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ANALOG DEVICES

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TEXAS INSTRUMENTS

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Due to the volatile nature of certain products, prices are subject to change without notice.

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‡ Limited stock - RoHS replacement available

RoHS

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Due to the volatile nature of certain products, prices are subject to change without notice.

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RoHS Compliant
Non-compliant
‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

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C = CYAN M = Magenta Y = Yellow B = Black/SING

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Due to the volatile nature of certain products, prices are subject to change without notice.

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● Compliant
◀ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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9215	AD9215BRUZ-65	1483
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9216	AD9216BCPZ-105	1484
9216	AD9216BCPZ-65	1484
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9216	XC9216A12CMR	1556
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9237	AD9237BCPZ-65	1486
9238	AD9238BSTZ-20	1486
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924	TS924IN.	1512
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9415	DG9415DQ-T1-E3	1516
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942	MAX942CSA+	1527
942	MAX942ESA+	1527
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942	TS942IN	1510
942	TS942IN.	1510
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9480	AD9480BSUZ-250	1483
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951	TS951ID	1509
951	TS951ILT	1496
951	TS951IN	1496
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9511	AD9511BCPZ	1521
9512	AD9512BCPZ	1521
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9637	DS9637ACN	1532
9637	UA9637ACD	1532
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9831	AD9831ASTZ	1522
9832	AD9832BRUZ	1522
9833	AD9833BRMZ	1484
9834	AD9834BRUZ	1522
9835	AD9835BRUZ	1522
9858	AD9858BSVZ	1522
9861	AD9861BCPZ-50	1522
9865	AD9865BCPZ	1522
9888	ADCS9888 Series	1492
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9952	AD9952YSVZ	1522
9953	AD9953YSV	1522
9954	AD9954YSVZ	1522
9956	AD9956YCPZ	1522
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RoHS ● Compliant ◀ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Supplier Abbreviations

CODE	SUPPLIER	CODE	SUPPLIER	CODE	SUPPLIER
AD	ANALOG DEVICES	INF	INFINEON	R'WELL	ROCKWELL
AGI	AGILENT TECHNOLOGIES	INTEL	INTEL	SAM	SAMSUNG
ALEG	ALLEGRO MICROSYSTEMS	INTS	INTERSIL	SAR	SARONIX (PERICOM)
ALL	ALLIANCE SEMICONDUCTOR	IR	INTERNATIONAL RECTIFIER	SEA	SEAGATE MICROELECTRONICS
ALT	ALTERA	ISD	INFORMATION STORAGE DEVICES	SEEQ	SEEQ
AMD	ADVANCED MICRO DEVICES	ISSI	INTEGRATED SILICON SOLUTIONS INC.	SEIK	SEIKO EPSON
AMIC	AMIC TECHNOLOGY	LAT	LATTICE SEMICONDUCTOR CORP.	SERC	SONY ERICSSON
AMS	ADVANCED MONOLITHIC SYSTEMS	LSI	LSI COMPUTER SYSTEMS INC.	SFT	SOFTEC MICROSYSTEMS
AV	AVAGO	LT	LINEAR TECHNOLOGY	SG	SILICON GENERAL (LINFINITY MICRO)
ATM	ATMEL	LUC	LUCENT TECHNOLOGIES	SLAB	SILICON LABORATORIES
AVX	AVX-KYOCERA	MAX	MAXIM - DALLAS	SLX	VISHAY SILICONIX
BAN	BANEASA	MC	MULTICOMP	SMC	STANDARD MICROSYSTEM CORP.
BB	BURR-BROWN - TEXAS INSTRUMENTS	MCHIP	MICROCHIP TECHNOLOGY	SNX	SCENIX (UBICOM)
BBD	BLUEBIRD ELECTRONICS	MICR	MICREL	SON	SONY
B'MARQ	BENCHMARQ MICROELECTRONICS INC. - TEXAS INSTRUMENTS	ML	MICRO LINEAR CORPORATION	SST	SILICON STORAGE TECHNOLOGY, INC.
BSI	BRILLIANCE SEMICONDUCTOR INC.	MP	MICRO POWER	ST	ST MICROELECTRONICS
CAT	CATALYST SEMICONDUCTOR	MSC	MICROCOMPUTERS SYSTEMS COMPONENTS	STECH	STARTECH
CBLU	CONNECT BLUE	MTL	MITEL SEMICONDUCTOR	SYN	SYNTAQ
CMAC	CMAC - FREQUENCY PRODUCTS	MXIC	MACRONIX	TEL	TELCOM SEMICONDUCTOR
CMD	CALIFORNIA MICRO DEVICES CORP.	MXL	MICRO CRYSTAL	TEM	TEMIC - ATMEL
CS	CHERRY SEMICONDUCTORS - ON SEMICONDUCTOR	NEC	NEC ELECTRONICS	TI	TEXAS INSTRUMENTS
CYAN	CYAN TECHNOLOGY	NJRC	NEW JAPANESE RADIO CORP.	TOP	TOPLESS
CYG	CYGNAL INTEGRATED PRODUCTS INC.	NPC	NIPPON PRECISION CIRCUITS	TOR	TOREX SEMICONDUCTOR
CYP	CYPRESS SEMICONDUCTOR	NSC	NATIONAL SEMICONDUCTOR	TOSH	TOSHIBA
CYRIX	CYRIX	NVE	NVE CORPORATION	TS	TAIWAN SEMICONDUCTOR
DAL	DALLAS - MAXIM	OKI	OKI	UMC	UNITED MICROELECTRONICS CORP.
ELAN	ELANTEC - INTERSIL	ON	ON SEMICONDUCTOR	UNI	UNITRODE - TEXAS INSTRUMENTS
ERIC	ERICSSON	OPT	OPTEK	USM	US MICROCHIP
EXAR	EXAR CORPORATION	PARA	PARADIGM	WB	WINBOND ELECTRONICS
FCH	FAIRCHILD SEMICONDUCTOR	PERF	PERFORMANCE SEMICONDUCTOR	WD	WESTERN DIGITAL
FSL	FREESCALE SEMICONDUCTOR	PLES	GEC-PLESSEY SEMICONDUCTOR	WSI	WAFERSCALE INTEGRATION INC. (ST MICROELECTRONICS)
FUJ	FUJITSU	PINT	POWER INTEGRATIONS INC.	XCR	XICOR (INTERSIL)
GOLD	GOLDSTAR	PS	PHILIPS	XLX	XILINX
HON	HONEYWELL	PT	POWER TRENDS - TEXAS INSTRUMENTS	YAG	YAGEO
HT	HOLTEK	QUAN	QUANTUM RESEARCH	ZAR	ZARLINK
HYUN	HYUNDAI	RAM	RAMTRON	ZET	ZETEX
ICT	INFORMATION CHIPS AND TECHNOLOGY INC.	RAY	RAYTHEON	ZILOG	ZILOG
ICW	IC WORKS	REN	RENESAS	ZMD	ZENTRUM MICROELECTRONICS
IDT	INTEGRATED DEVICE TECHNOLOGY				

210491

UHS Tiny Logic

FAIRCHILD SEMICONDUCTOR

These CMOS Ultra High Speed devices provide single gate functions in a small SOT23-5 package. The bus switches feature Low On-Resistance and minimal propagation delay.

413255

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
NC7SZ02M5.	FCH	5	SOT-23	Quad 2 Input Positive NOR Gate	SMD 345-7874▲‡	1.99	1.45	1.16
NC7SZ02M5	FCH	5	SOT-23	Quad 2 Input Positive NOR Gate	SMD 101-3808●	1.99	1.64	1.29
NC7SZ04M5	FCH	5	SOT-23	Hex Inverter	SMD 101-3809●	1.99	1.64	1.29
NC7SZ08M5	FCH	5	SOT-23	Quad 2 Input Positive AND Gate	SMD 101-3807●	1.99	1.64	1.29
NC7SZ125M5	FCH	5	SOT-23	Tri-State Quad Buffer	SMD 101-3811●	1.99	1.64	1.29
NC7SZ32M5	FCH	5	SOT-23	Quad 2 Input Positive OR Gate	SMD 101-3810●	1.99	1.64	1.29
NC7SZ66M5	FCH	5	SOT-23	Low Power Bilateral Switch	SMD 101-3761●	1.76	1.44	1.13
NC7SZ66P5	FCH	5	SC70	TinyLogic Low Voltage UHS Single SPST Normally Open Bus Switch	SMD 110-2167●	1.40	0.94	0.81
NC7SZ384M5.	FCH	5	SOT-23	High-Speed, Low-Power CMOS Bus Switch	SMD 111-107‡	1.53	1.28	1.02
NC7SZ384M5	FCH	5	SOT-23	High-Speed, Low-Power CMOS Bus Switch	SMD 101-3764●	1.81	1.44	1.13
NC7SZD384M5.	FCH	5	SOT-23	High-Speed, Low-Power CMOS Bus Switch	SMD 111-119‡	1.76	1.40	1.10
NC7SZD384M5	FCH	5	SOT-23	High-Speed, Low-Power CMOS Bus Switch	SMD 101-3765●	1.76	1.44	1.13

HS Tiny Logic

FAIRCHILD SEMICONDUCTOR

HS series features CMOS input compatibility with 74HC series.

413257

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
NC7S00M5	FCH	5	SOT-23	Quad 2 Input NAND Gate	SMD 101-4131●	2.05	1.64	1.29
NC7S02M5.	FCH	5	SOT-23	Quad 2 Input Positive NOR Gate	SMD 685-902‡	1.73	1.45	1.16
NC7S02M5	FCH	5	SOT-23	Quad 2 Input Positive NOR Gate	SMD 101-4132●	2.05	1.64	1.29
NC7S04M5.	FCH	5	SOT-23	Hex Inverter	SMD 685-914‡	1.73	1.45	1.16
NC7S04M5	FCH	5	SOT-23	Hex Inverter	SMD 101-4133●	2.05	1.64	1.29
NC7S08M5	FCH	5	SOT-23	Quad 2 Input Positive AND Gate	SMD 101-4135●	2.05	1.64	1.29
NC7S14M5	FCH	5	SOT-23	Hex Schmitt Trigger	SMD 101-4136●	1.81	1.44	1.13
NC7S32M5	FCH	5	SOT-23	Quad 2 Input Positive OR Gate	SMD 101-4137●	2.05	1.64	1.29
NC7S86M5	FCH	5	SOT-23	Quad 2-Input Exclusive OR Gate	SMD 101-4138●	2.05	1.64	1.29

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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74VHC Very High Speed CMOS Logic

FAIRCHILD SEMICONDUCTOR

An enhanced version of the industry's popular high speed HC family, offering low noise and low power. Operates at three times the speed and with twice the drive of HC technology. The devices have true CMOS inputs.

413258

Mftrs List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
74VHC00M	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 101-4102●	0.74	0.59	0.40
74VHC02M..	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 676-056▲‡	0.74	0.57	0.39
74VHC02M	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 101-4103●	0.74	0.59	0.40
74VHC04M..	FCH	14	SOIC	Hex Inverter	SMD 676-068▲‡	0.74	0.52	0.35
74VHC04M	FCH	14	SOIC	Hex Inverter	SMD 101-4104●	0.74	0.59	0.40
74VHC04N..	FCH	14	DIL	Hex Inverter	678-922▲‡	1.02	0.66	0.55
74VHC04N	FCH	14	DIL	Hex Inverter	101-4126●	1.02	0.75	0.56
74VHC08M..	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 676-070▲‡	0.74	0.52	0.36
74VHC08M	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 101-4105●	0.74	0.59	0.40
74VHC08N	FCH	14	DIL	Quad 2 Input Positive AND Gate	680-576▲	0.95	0.71	0.54
74VHC14M	FCH	14	SOIC	Hex Schmitt Trigger	SMD 101-4106●	0.88	0.70	0.48
74VHC14N	FCH	14	DIL	Hex Schmitt Trigger	101-4127●	0.95	0.70	0.53
74VHC32M..	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 676-093▲‡	0.74	0.52	0.36
74VHC32M	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 101-4107●	0.74	0.59	0.40
74VHC32N	FCH	14	DIL	Quad 2 Input Positive OR Gate	680-590▲	0.96	0.66	0.50
74VHC74M.	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 676-100▲‡	0.88	0.62	0.42
74VHC74M	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 101-4108●	0.88	0.70	0.48
74VHC74N	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	101-4128●	1.09	0.78	0.59
74VHC86M.	FCH	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 676-111▲‡	0.88	0.62	0.42
74VHC86M	FCH	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 101-4111●	0.88	0.70	0.48
74VHC86N	FCH	14	DIL	Quad 2-Input Exclusive OR Gate	680-618▲	0.95	0.66	0.51
74VHC123AM..	FCH	16	SOIC	Dual One Shot Multivibrator	SMD 676-123▲‡	1.36	1.02	0.77
74VHC123AM	FCH	16	SOIC	Dual One Shot Multivibrator	SMD 101-4112●	1.61	1.16	0.87
74VHC123AN	FCH	16	DIL	Dual One Shot Multivibrator	681-799▲	1.32	0.90	0.75
74VHC125M.	FCH	14	SOIC	Tri-State Quad Buffer	SMD 676-135▲‡	1.36	1.02	0.77
74VHC125M	FCH	14	SOIC	Tri-State Quad Buffer	SMD 101-4113●	1.61	1.16	0.87
74VHC125N	FCH	14	DIL	Tri-State Quad Buffer	682-111▲	1.09	0.71	0.54
74VHC132M	FCH	14	SOIC	Quad Schmitt Trigger	SMD 101-4114●	0.72	0.53	0.40
74VHC132N	FCH	14	DIL	Quad Schmitt Trigger	682-184▲	1.21	0.87	0.65
74VHC138M.	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 676-159▲‡	1.36	1.02	0.77
74VHC138M	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 101-4115●	1.61	1.16	0.87
74VHC138N	FCH	16	DIL	Expandable 3/8 Decoder	682-196▲	1.23	0.90	0.74
74VHC157M	FCH	16	SOIC	Quad 2 Input Multiplexer	SMD 676-160▲	1.09	0.78	0.58
74VHC157N	FCH	16	DIL	Quad 2 Input Multiplexer	682-421▲	1.45	1.04	0.78
74VHC244M	FCH	20	SOIC	Octal Tri-State Buffer	SMD 101-4116●	1.93	1.39	1.04
74VHC244N..	FCH	20	DIL	Octal Tri-State Buffer	682-494▲‡	1.32	0.94	0.71
74VHC244N	FCH	20	DIL	Octal Tri-State Buffer	101-4129●	1.49	1.07	0.80
74VHC245M.	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 676-184▲‡	1.63	1.22	0.92
74VHC245M	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 101-4117●	1.93	1.39	1.04
74VHC245N	FCH	20	DIL	Octal Tri-State Transceiver	683-528▲	1.32	0.94	0.71
74VHC373M	FCH	20	SOIC	Tri-State Octal Transparent Latch	SMD 676-196▲	1.63	1.22	0.92
74VHC373N	FCH	20	DIL	Tri-State Octal Transparent Latch	684-119▲	1.78	0.72	0.54
74VHC374N	FCH	20	DIL	Tri-State Octal D Flip/Flop	684-132▲	1.32	0.94	0.71
74VHC541M..	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 676-214▲‡	1.80	1.22	0.92
74VHC541M	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 101-4118●	1.93	1.39	1.04
74VHC573M	FCH	20	SOIC	Octal D Type Latches	SMD 101-4119●	1.93	1.39	1.04
74VHC573N.	FCH	20	DIL	Octal D Type Latches	684-156▲‡	1.63	1.22	0.92
74VHC573N	FCH	20	DIL	Octal D Type Latches	101-4130●	1.93	1.39	1.04
74VHC574M	FCH	20	SOIC	Octal D Type Flip/Flop	SMD 101-4120●	1.93	1.39	1.04
74VHC574N	FCH	20	DIL	Octal D Type Flip/Flop	684-168▲	1.45	0.94	0.71
74VHC4046M.	FCH	16	SOIC	Phase Locked Loop	SMD 676-240▲‡	2.64	1.91	1.53
74VHC4046M	FCH	16	SOIC	Phase Locked Loop	SMD 101-4121●	2.64	2.17	1.70
74VHC4051M	FCH	16	SOIC	Single 8 Channel Multiplexer	SMD 676-251▲	1.09	0.78	0.58
74VHC4051N	FCH	16	DIL	Single 8 Channel Multiplexer	684-181▲	1.35	0.97	0.73
74VHC4052M.	FCH	16	SOIC	Differential 4 Channel Multiplexer	SMD 676-263▲‡	1.95	1.05	0.81
74VHC4052M	FCH	16	SOIC	Differential 4 Channel Multiplexer	SMD 101-4123●	1.12	0.80	0.60
74VHC4052N	FCH	16	DIL	Differential 4 Channel Multiplexer	684-867▲	1.35	0.97	0.73
74VHC4053M.	FCH	16	SOIC	Triple 2 Channel Multiplexer	SMD 676-275▲‡	1.09	0.78	0.58
74VHC4053M	FCH	16	SOIC	Triple 2 Channel Multiplexer	SMD 101-4124●	1.09	0.80	0.60
74VHC4066M	FCH	14	SOIC	Quad Bi-Lateral Switch	SMD 101-4125●	1.09	0.80	0.60

74AHC Picogate CMOS Logic

PHILIPS TEXAS INSTRUMENTS

A range of devices containing a single logic gate with an operating range of 2.0 to 5.5V Vcc.

413287

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
74AHC1G00GW/T1	PS	5	SOT-353	Quad 2 Input NAND Gate	SMD 120-1257●	0.67	0.53	0.40	0.27	– –
SN74AHC1G00DBVR.	TI	5	SOT-23	Quad 2 Input NAND Gate	SMD 355-8150	0.58	0.45	0.31	0.21	– –
SN74AHC1G00DBVR	TI	5	SOT-23	Quad 2 Input NAND Gate	SMD 110-5915●	0.76	0.59	0.40	0.28	– –
SN74AHC1G00DBVR	TI	5	SOT-23	Quad 2 Input NAND Gate	SMD 110-5915●	0.76	0.59	0.40	0.28	– –
74AHC1G02GW/T1	PS	5	SOT-353	Quad 2 Input Positive NOR Gate	SMD 121-1734●	0.78	0.62	0.49	0.39	– –
74AHC1G04GW/T1.	PS	5	SOT-353	Hex Inverter	SMD 302-5690‡	0.79	0.64	0.48	0.32	– –
74AHC1G04GW/T1	PS	5	SOT-353	Hex Inverter	SMD 108-5239●	0.82	0.65	0.49	0.33	– –
74AHC1GU04GW/T1	PS	5	SOT-353	Hex Inverter	SMD 120-1258●	0.82	0.65	0.49	0.33	– –
SN74AHC1G04DBVR.	TI	5	SOT-23	Hex Inverter	SMD 355-8162	0.62	0.48	0.33	0.22	– –
SN74AHC1G04DBVR	TI	5	SOT-23	Hex Inverter	SMD 110-5916●	0.76	0.59	0.40	0.28	– –
74AHC1G08GW/T1.	PS	5	SOT-353	Quad 2 Input Positive AND Gate	SMD 302-5718‡	0.79	0.64	0.48	0.32	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
74AHC1G08GW/T1	PS	5	SOT-353	Quad 2 Input Positive AND Gate	SMD 108-5240	0.82	0.65	0.49	0.33	– –
SN74AHC1G08DBVR.	TI	5	SOT-23	Quad 2 Input Positive AND Gate	SMD 355-8174	0.95	0.74	0.51	0.34	– –
SN74AHC1G08DBVR	TI	5	SOT-23	Quad 2 Input Positive AND Gate	SMD 110-5918	0.76	0.59	0.40	0.28	– –
74AHC1G14GW/T1	PS	5	SOT-353	Hex Schmitt Trigger	SMD 108-5241	0.67	0.53	0.40	0.27	– –
SN74AHC1G14DBVR.	TI	5	SOT-23	Hex Schmitt Trigger	SMD 355-8186	0.62	0.48	0.33	0.22	– –
SN74AHC1G14DBVR	TI	5	SOT-23	Hex Schmitt Trigger	SMD 110-5919	0.76	0.59	0.40	0.28	– –
74AHC1G32GW/T1	PS	5	SOT-353	Quad 2 Input Positive OR Gate	SMD 108-5242	0.64	0.53	0.40	0.27	– –
SN74AHC1G32DBVR.	TI	5	SOT-23	Quad 2 Input Positive OR Gate	SMD 355-8198	0.72	0.56	0.38	0.26	– –
SN74AHC1G32DBVR	TI	5	SOT-23	Quad 2 Input Positive OR Gate	SMD 110-5920	0.76	0.59	0.40	0.28	– –
SN74AHC1G125DBVR.	TI	5	SOT-23	Tri-State Quad Buffer	SMD 355-8204	0.61	0.47	0.32	0.22	– –
SN74AHC1G125DBVR	TI	5	SOT-23	Tri-State Quad Buffer	SMD 110-5921	0.76	0.59	0.40	0.28	– –

74HC Picogate CMOS Logic

PHILIPS

A range, tenth the size of a SO14 package, with a sixth of the power dissipation. Supports CMOS switching input levels.

413294

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
74HC1G00GW	PS	5	SOT-353	Quad 2 Input NAND Gate	SMD 108-5249	1.39	1.11	0.84	0.56	– –
74HC1G02GW.	PS	5	SOT-353	Quad 2 Input Positive NOR Gate	SMD 302-5883‡	1.35	1.08	0.81	0.54	– –
74HC1G02GW	PS	5	SOT-353	Quad 2 Input Positive NOR Gate	SMD 108-5250	1.39	1.11	0.84	0.56	– –
74HC1G04GW.	PS	5	SOT-353	Hex Inverter	SMD 302-5895‡	1.35	1.08	0.81	0.54	– –
74HC1G04GW	PS	5	SOT-353	Hex Inverter	SMD 108-5251	1.39	1.11	0.84	0.56	– –
74HC1GU04GW.	PS	5	SOT-353	Hex Inverter	SMD 302-5901‡	0.71	0.57	0.42	0.28	– –
74HC1GU04GW	PS	5	SOT-353	Hex Inverter	SMD 108-5252	0.73	0.58	0.44	0.29	– –
74HC1G08GW.	PS	5	SOT-353	Quad 2 Input Positive AND Gate	SMD 302-5913‡	1.35	1.08	0.81	0.54	– –
74HC1G08GW	PS	5	SOT-353	Quad 2 Input Positive AND Gate	SMD 108-5253	1.39	1.11	0.84	0.56	– –
74HC1G14GW.	PS	5	SOT-353	Hex Schmitt Trigger	SMD 302-5925‡	0.71	0.57	0.42	0.28	– –
74HC1G14GW	PS	5	SOT-353	Hex Schmitt Trigger	SMD 108-5254	0.72	0.58	0.44	0.29	– –
74HC1G32GW.	PS	5	SOT-353	Quad 2 Input Positive OR Gate	SMD 302-5937‡	1.37	1.09	0.82	0.55	– –
74HC1G32GW	PS	5	SOT-353	Quad 2 Input Positive OR Gate	SMD 108-5255	1.41	1.13	0.84	0.56	– –
74HC1G66GW	PS	5	SOT-353	Low Power Bilateral Switch	SMD 108-5257	1.23	0.98	0.74	0.52	– –
74HC1G86GW	PS	5	SOT-353	Quad 2-Input Exclusive OR Gate	SMD 108-5258	1.59	1.28	0.96	0.64	– –
74HC1G125GW.	PS	5	SOT-353	Tri-State Quad Buffer	SMD 302-5962‡	1.30	1.04	0.78	0.55	– –
74HC1G125GW	PS	5	SOT-353	Tri-State Quad Buffer	SMD 108-5259	1.34	1.07	0.80	0.56	– –
74HC1G126GW..	PS	5	SOT-353	Tri-State Quad Buffer	SMD 302-5974‡	0.96	0.77	0.58	0.39	– –
74HC1G126GW	PS	5	SOT-353	Tri-State Quad Buffer	SMD 108-5260	0.99	0.79	0.60	0.40	– –

74HCT Picogate CMOS Logic

PHILIPS TEXAS INSTRUMENTS

A range of devices containing a single logic gate with TTL compatible inputs.

413295

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
SN74AHCT1G00DBVR.	TI	5	SOT-23	Quad 2 Input NAND Gate	SMD 355-8216	0.57	0.44	0.30	0.21	– –
SN74AHCT1G00DBVR	TI	5	SOT-23	Quad 2 Input NAND Gate	SMD 110-5922	0.76	0.59	0.40	0.28	– –
74HCT1G02GW.	PS	5	SOT-353	Quad 2 Input Positive NOR Gate	SMD 302-5998‡	1.03	0.82	0.62	0.41	– –
74HCT1G02GW	PS	5	SOT-353	Quad 2 Input Positive NOR Gate	SMD 108-5261	1.06	0.85	0.64	0.42	– –
74HCT1G04GW.	PS	5	SOT-353	Hex Inverter	SMD 302-6000‡	0.63	0.50	0.38	0.25	– –
74HCT1G04GW	PS	5	SOT-353	Hex Inverter	SMD 108-5262	0.65	0.52	0.39	0.26	– –
SN74AHCT1G04DBVR.	TI	5	SOT-23	Hex Inverter	SMD 355-8228	0.60	0.46	0.32	0.22	– –
SN74AHCT1G04DBVR	TI	5	SOT-23	Hex Inverter	SMD 110-5923	0.76	0.59	0.40	0.28	– –
74HCT1G08GW.	PS	5	SOT-353	Quad 2 Input Positive AND Gate	SMD 302-6012‡	0.63	0.50	0.38	0.25	– –
74HCT1G08GW	PS	5	SOT-353	Quad 2 Input Positive AND Gate	SMD 108-5263	0.65	0.52	0.39	0.26	– –
SN74AHCT1G08DBVR.	TI	5	SOT-23	Quad 2 Input Positive AND Gate	SMD 355-8230	0.69	0.53	0.36	0.25	– –
SN74AHCT1G08DBVR	TI	5	SOT-23	Quad 2 Input Positive AND Gate	SMD 110-5924	0.76	0.59	0.40	0.28	– –
74HCT1G14GW.	PS	5	SOT-353	Hex Schmitt Trigger	SMD 302-6024‡	0.63	0.50	0.38	0.25	– –
74HCT1G14GW	PS	5	SOT-353	Hex Schmitt Trigger	SMD 108-5264	0.65	0.52	0.39	0.26	– –
SN74AHCT1G14DBVR.	TI	5	SOT-23	Hex Schmitt Trigger	SMD 355-8241	0.76	0.59	0.40	0.28	– –
SN74AHCT1G14DBVR	TI	5	SOT-23	Hex Schmitt Trigger	SMD 110-5925	0.76	0.59	0.40	0.28	– –
74HCT1G32GW.	PS	5	SOT-353	Quad 2 Input Positive OR Gate	SMD 302-6036‡	1.17	0.94	0.70	0.47	– –
74HCT1G32GW	PS	5	SOT-353	Quad 2 Input Positive OR Gate	SMD 108-5265	1.21	0.97	0.72	0.48	– –
SN74AHCT1G32DBVR.	TI	5	SOT-23	Quad 2 Input Positive OR Gate	SMD 355-8253	0.83	0.64	0.44	0.30	– –
SN74AHCT1G32DBVR	TI	5	SOT-23	Quad 2 Input Positive OR Gate	SMD 110-5926	0.76	0.59	0.40	0.28	– –
74HCT1G86GW.	PS	5	SOT-353	Quad 2-Input Exclusive OR Gate	SMD 302-6050‡	0.86	0.69	0.51	0.34	– –
74HCT1G86GW	PS	5	SOT-353	Quad 2-Input Exclusive OR Gate	SMD 108-5266	0.88	0.71	0.53	0.35	– –
74HCT1G125GW.	PS	5	SOT-353	Tri-State Quad Buffer	SMD 302-6061‡	0.86	0.69	0.51	0.34	– –
74HCT1G125GW	PS	5	SOT-353	Tri-State Quad Buffer	SMD 108-5267	0.88	0.71	0.53	0.35	– –
SN74AHCT1G125DBVR.TI		5	SOT-23	Tri-State Quad Buffer	SMD 355-8265	0.60	0.46	0.32	0.22	– –
SN74AHCT1G125DBVR TI		5	SOT-23	Tri-State Quad Buffer	SMD 110-5927	0.76	0.59	0.40	0.28	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

74HC High Speed CMOS Logic

413298

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
					MIXED QUANTITY PRICING					
74HC00D	PS	14	SOIC	Quad 2 Input NAND Gate	SMD 120-1310●	0.75	0.60	0.45	0.30	– –
74HC00N	PS	14	DIL	Quad 2 Input NAND Gate	380-349●	0.68	0.54	0.41	0.27	– –
CD74HC00M.	TI	14	SOIC	Quad 2 Input NAND Gate	SMD 558-552	0.89	0.69	0.47	0.32	– –
CD74HC00M	TI	14	SOIC	Quad 2 Input NAND Gate	SMD 110-3152●	0.94	0.67	0.50	0.34	– –
M74HC00B1R	ST	14	DIL	Quad 2 Input NAND Gate	975-5411●	0.70	0.55	0.46	0.35	– –
M74HC00B1R.	ST	14	DIL	Quad 2 Input NAND Gate	311-1702▲‡	0.70	0.55	0.46	0.35	– –
M74HC00M1R	ST	14	SOIC	Quad 2 Input NAND Gate	SMD 109-4276●	0.57	0.46	0.40	0.34	– –
MC74HC00ADG	ON	14	SOIC	Quad 2 Input NAND Gate	SMD 966-6885●	0.90	0.70	0.48	0.33	– –
MC74HC00ANG	ON	14	DIL	Quad 2 Input NAND Gate	966-5773●	0.97	0.69	0.52	0.35	– –
MM74HC00M..	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 379-190▲‡	0.95	0.71	0.54	0.40	– –
MM74HC00M	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 101-3953●	1.13	0.81	0.61	0.41	– –
MM74HC00N..	FCH	14	DIL	Quad 2 Input NAND Gate	354-8582▲‡	0.73	0.59	0.40	0.30	– –
MM74HC00N	FCH	14	DIL	Quad 2 Input NAND Gate	101-3840●	0.86	0.67	0.46	0.31	– –
SN74HC00D	TI	14	SOIC	QUADRUPLE 2-INPUT POSITIVE-NAND GATES	SMD 959-0870●	0.89	0.69	0.47	0.32	– –
SN74HC00N	TI	14	DIL	QUADRUPLE 2-INPUT POSITIVE-NAND GATES	959-0889●	1.03	0.79	0.59	0.37	– –
SN74HC00PW	TI	14	TSSOP	Quad 2 Input NAND Gate	SMD 959-0897●	0.89	0.69	0.47	0.32	– –
74HC02D	PS	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 120-1312●	0.75	0.60	0.45	0.30	– –
74HC02N	PS	14	DIL	Quad 2 Input Positive NOR Gate	380-350●	0.68	0.54	0.41	0.27	– –
CD74HC02M..	TI	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 558-564	0.97	0.74	0.56	0.35	– –
CD74HC02M	TI	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 110-3153●	0.94	0.67	0.50	0.34	– –
M74HC02B1R.	ST	14	DIL	Quad 2 Input Positive NOR Gate	311-1714▲	0.70	0.55	0.46	0.35	– –
M74HC02B1R	ST	14	DIL	Quad 2 Input Positive NOR Gate	109-4277●	0.72	0.56	0.47	0.36	– –
M74HC02M1R	ST	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 109-4278●	0.56	0.45	0.39	0.34	– –
MC74HC02ADG	ON	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 966-6893●	0.69	0.54	0.40	0.26	– –
MC74HC02ANG	ON	14	DIL	Quad 2 Input Positive NOR Gate	966-5781●	0.97	0.69	0.52	0.35	– –
MM74HC02M..	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 379-207▲‡	0.95	0.71	0.54	0.40	– –
MM74HC02M	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 101-3954●	1.13	0.81	0.61	0.41	– –
MM74HC02N..	FCH	14	DIL	Quad 2 Input Positive NOR Gate	378-239▲‡	0.95	0.71	0.54	0.40	– –
MM74HC02N	FCH	14	DIL	Quad 2 Input Positive NOR Gate	101-3911●	1.13	0.81	0.61	0.41	– –
SN74HC02D	TI	14	SOIC	QUADRUPLE 2-INPUT POSITIVE-NOR GATES	SMD 959-0900●	0.89	0.69	0.47	0.32	– –
SN74HC02NG4	TI	14	DIL	Quad 2 Input Positive NOR Gate	959-0919●	1.80	1.44	1.13	0.78	– –
SN74HC02PW	TI	14	TSOP	QUADRUPLE 2-INPUT POSITIVE-NOR GATES	SMD 959-0927●	0.89	0.69	0.47	0.32	– –
74HC03D.	PS	14	SOIC	Quad 2 Input Positive NAND Gate	SMD 117-377‡	0.73	0.58	0.44	0.29	– –
74HC03D	PS	14	SOIC	Quad 2 Input Positive NAND Gate	SMD 108-5231●	0.75	0.60	0.45	0.30	– –
74HC03N	PS	14	DIL	Quad 2 Input Positive NAND Gate	117-389●	0.68	0.54	0.41	0.27	– –
M74HC03B1R.	ST	14	DIL	Quad 2 Input Positive NAND Gate	311-1726▲	0.70	0.55	0.46	0.35	– –
SN74HC03D	TI	14	SOIC	Quadruple 2-Input Positive-NAND Gates	SMD 959-0935●	0.89	0.69	0.47	0.32	– –
74HC04D	PS	14	SOIC	Hex Inverter	SMD 120-1313●	0.75	0.60	0.45	0.30	– –
74HC04N	PS	14	DIL	Hex Inverter	380-362●	0.68	0.54	0.41	0.27	– –
74HCU04D.	PS	14	SOIC	Hex Inverter	SMD 492-280‡	0.73	0.58	0.44	0.29	– –
74HCU04D	PS	14	SOIC	Hex Inverter	SMD 108-5327●	0.75	0.60	0.45	0.30	– –
CD74HC04M..	TI	14	SOIC	Hex Inverter	SMD 558-576	0.97	0.74	0.56	0.35	– –
CD74HC04M	TI	14	SOIC	Hex Inverter	SMD 110-3154●	0.94	0.67	0.50	0.34	– –
MC74HC04ANG	ON	14	DIL	Hex Inverter	966-5790●	0.97	0.69	0.52	0.35	– –
MC74HCU04ANG	ON	14	DIL	Hex inverter	966-6052●	0.97	0.69	0.52	0.35	– –
MM74HC04M..	FCH	14	SOIC	Hex Inverter	SMD 379-220▲‡	0.95	0.71	0.54	0.40	– –
MM74HC04M	FCH	14	SOIC	Hex Inverter	SMD 101-3955●	1.13	0.81	0.61	0.41	– –
MM74HC04N..	FCH	14	DIL	Hex Inverter	378-252▲‡	0.95	0.71	0.54	0.40	– –
MM74HC04N	FCH	14	DIL	Hex Inverter	101-3912●	1.13	0.81	0.61	0.41	– –
MM74HCU04M..	FCH	14	SOIC	Hex Inverter	SMD 354-8697▲‡	1.09	0.75	0.54	0.40	– –
MM74HCU04M	FCH	14	SOIC	Hex Inverter	SMD 101-3849●	1.09	0.81	0.61	0.41	– –
MM74HCU04N	FCH	14	DIL	Hex Inverter	121-5387●	0.86	0.70	0.67	0.48	– –
SN74HC04D	TI	14	SOIC	Hex Inverter	SMD 959-0943●	0.89	0.69	0.47	0.32	– –
SN74HC04N	TI	14	DIL	HEX INVERTERS	959-0951●	1.03	0.79	0.59	0.37	– –
SN74HC04PW	TI	14	TSSOP	Hex Inverter	SMD 959-0960●	0.89	0.69	0.47	0.32	– –
SN74HC05D	TI	14	SOIC	Hex Inverter (OC)	SMD 959-0978●	0.89	0.69	0.47	0.32	– –
74HC08D	PS	14	SOIC	Quad 2 Input Positive AND Gate	SMD 120-1314●	0.75	0.60	0.45	0.30	– –
74HC08N	PS	14	DIL	Quad 2 Input Positive AND Gate	380-374●	0.68	0.54	0.41	0.27	– –
CD74HC08M.	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 558-588	0.69	0.53	0.36	0.25	– –
CD74HC08M	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 110-3156●	0.94	0.67	0.50	0.34	– –
M74HC08B1R.	ST	14	DIL	Quad 2 Input Positive AND Gate	311-1738▲‡	0.70	0.55	0.46	0.35	– –
M74HC08B1R	ST	14	DIL	Quad 2 Input Positive AND Gate	975-5420●	0.70	0.55	0.46	0.35	– –
M74HC08M1R.	ST	14	SOIC	Quad 2 Input Positive AND Gate	SMD 311-4090▲	0.56	0.45	0.39	0.34	– –
M74HC08M1R	ST	14	SOIC	Quad 2 Input Positive AND Gate	SMD 109-4280●	0.57	0.45	0.40	0.34	– –
MC74HC08ADG	ON	14	SOIC	Quad 2-Input AND Gate	SMD 966-6907●	0.90	0.70	0.48	0.33	– –
MC74HC08ANG	ON	14	DIL	Quad 2-Input AND Gate	966-5803●	0.97	0.69	0.52	0.35	– –
MM74HC08M..	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 379-244▲‡	0.95	0.71	0.54	0.40	– –
MM74HC08M	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 101-3957●	1.13	0.81	0.61	0.41	– –
MM74HC08N..	FCH	14	DIL	Quad 2 Input Positive AND Gate	378-276▲‡	0.95	0.71	0.54	0.40	– –
MM74HC08N	FCH	14	DIL	Quad 2 Input Positive AND Gate	101-3913●	1.13	0.81	0.61	0.41	– –
SN74HC08D	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 959-0986●	0.55	0.39	0.29	0.20	– –
SN74HC08N	TI	14	DIL	Quad 2 Input Positive AND Gate	959-0994●	1.03	0.79	0.59	0.37	– –
SN74HC08PW	TI	14	TSSOP	Quad 2 Input Positive AND Gate	SMD 959-1001●	0.89	0.69	0.47	0.32	– –
74HC10D.	PS	14	SOIC	Triple 3 Input Positive NAND Gate	SMD 492-450‡	0.73	0.58	0.44	0.29	– –
74HC10D	PS	14	SOIC	Triple 3 Input Positive NAND Gate	SMD 108-5336●	0.75	0.60	0.45	0.30	– –
74HC10N	PS	14	DIL	Triple 3 Input Positive NAND Gate	380-386●	0.68	0.54	0.41	0.27	– –
M74HC10B1R.	ST	14	DIL	Triple 3 Input Positive NAND Gate	311-1740▲‡	0.70	0.55	0.46	0.35	– –
M74HC10B1R	ST	14	DIL	Triple 3 Input Positive NAND Gate	975-5438●	0.70	0.55	0.46	0.35	– –
SN74HC10D	TI	14	SOIC	Triple 3 Input Positive NAND Gate	SMD 959-1010●	0.89	0.69	0.47	0.32	– –
74HC11D	PS	14	SOIC	Triple 3 Input Positive AND Gate	SMD 120-1315●	0.75	0.60	0.45	0.30	– –
74HC11N	PS	14	DIL	Triple 3 Input Positive AND Gate	380-398●	0.68	0.54	0.41	0.27	– –
M74HC11B1R	ST	14	DIL	Triple 3 Input Positive AND Gate	311-1751▲	0.70	0.55	0.46	0.35	– –
74HC14D	PS	14	SOIC	Hex Schmitt Trigger	SMD 120-1316●	0.75	0.60	0.45	0.30	– –
74HC14N	PS	14	DIL	Hex Schmitt Trigger	380-404●	0.68	0.54	0.41	0.27	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
CD74HC14E	TI	14	DIL	74HC High Speed CMOS Logic Hex Schmitt-Trigered Inverter	225-9783●	0.38	0.29	0.23	– –	– –
CD74HC14M.	TI	14	SOIC	Hex Schmitt Trigger	SMD 558-667	0.81	0.63	0.43	0.29	– –
CD74HC14M	TI	14	SOIC	Hex Schmitt Trigger	SMD 110-3160●	0.94	0.67	0.50	0.34	– –
M74HC14M1R	ST	14	SOIC	Hex Schmitt Trigger	SMD 109-4287●	0.73	0.58	0.51	0.44	– –
MC74HC14ADG	ON	14	SOIC	Hex Schmitt Trigger	SMD 966-6931●	0.99	0.77	0.52	0.36	– –
MC74HC14ANG	ON	14	DIL	Hex Schmitt Trigger	966-5854●	1.02	0.73	0.55	0.37	– –
MM74HC14M..	FCH	14	SOIC	Hex Schmitt Trigger	SMD 379-268▲‡	0.95	0.71	0.54	0.40	– –
MM74HC14M	FCH	14	SOIC	Hex Schmitt Trigger	SMD 101-3958●	1.13	0.81	0.61	0.41	– –
MM74HC14N	FCH	14	DIL	Hex Schmitt Trigger	101-3914●	1.13	0.81	0.61	0.41	– –
SN74HC14D	TI	14	SOIC	Hex Schmitt Trigger	SMD 959-4566●	0.89	0.69	0.47	0.32	– –
SN74HC14N	TI	14	DIL	Hex Schmitt Trigger	959-1125●	1.03	0.79	0.59	0.37	– –
SN74HC14PW	TI	14	TSSOP	Hex Schmitt Trigger	SMD 959-1133●	0.89	0.69	0.47	0.32	– –
74HC20N	PS	14	DIL	Dual 4 Input Positive NAND Gate	120-1277●	0.70	0.56	0.42	0.28	– –
M74HC20B1R.	ST	14	DIL	Dual 4 Input Positive NAND Gate	311-1763▲‡	0.78	0.61	0.51	0.39	– –
M74HC20B1R	ST	14	DIL	Dual 4 Input Positive NAND Gate	975-5446●	0.78	0.61	0.51	0.39	– –
74HC21D.	PS	14	SOIC	Dual 4 Input Positive AND Gate	SMD 492-334‡	0.73	0.58	0.44	0.29	– –
74HC21D	PS	14	SOIC	Dual 4 Input Positive AND Gate	SMD 108-5328●	0.75	0.60	0.45	0.30	– –
74HC21N	PS	14	DIL	Dual 4 Input Positive AND Gate	380-428●	0.68	0.54	0.41	0.27	– –
74HC27D.	PS	14	SOIC	Triple 3 Input NOR Gate	SMD 117-468‡	0.73	0.58	0.44	0.29	– –
74HC27D	PS	14	SOIC	Triple 3 Input NOR Gate	SMD 108-5234●	0.75	0.60	0.45	0.30	– –
M74HC27B1R.	ST	14	DIL	Triple 3 Input NOR Gate	311-1775▲	0.69	0.54	0.45	0.35	– –
M74HC27B1R	ST	14	DIL	Triple 3 Input NOR Gate	109-4293●	0.71	0.55	0.46	0.36	– –
74HC30D	PS	14	SOIC	8 Input Positive NAND Gate	SMD 120-1251●	0.75	0.60	0.45	0.30	– –
74HC30N	PS	14	DIL	8 Input Positive NAND Gate	380-441●	0.68	0.54	0.41	0.27	– –
M74HC30B1R	ST	14	DIL	8 Input Positive NAND Gate	109-4296●	0.71	0.55	0.46	0.36	– –
74HC32D.	PS	14	SOIC	Quad 2 Input Positive OR Gate	SMD 492-346‡	0.73	0.58	0.44	0.29	– –
74HC32D	PS	14	SOIC	Quad 2 Input Positive OR Gate	SMD 108-5329●	0.75	0.60	0.45	0.30	– –
74HC32N	PS	14	DIL	Quad 2 Input Positive OR Gate	380-453●	0.68	0.54	0.41	0.27	– –
M74HC32M1R	ST	14	SOIC	Quad 2 Input Positive OR Gate	SMD 109-4297●	0.55	0.44	0.39	0.33	– –
MC74HC32ADG	ON	14	SOIC	Quad 2-input OR gate	SMD 966-6966●	0.87	0.70	0.48	0.33	– –
MC74HC32ANG	ON	14	DIL	Quad 2-input OR gate	966-5935●	0.96	0.69	0.52	0.35	– –
MM74HC32M..	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 379-293▲‡	0.95	0.71	0.54	0.40	– –
MM74HC32M	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 101-3959●	1.13	0.81	0.61	0.41	– –
MM74HC32N	FCH	14	DIL	Quad 2 Input Positive OR Gate	101-3915●	1.13	0.81	0.61	0.41	– –
SN74HC32D	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 959-1427●	0.89	0.69	0.47	0.32	– –
SN74HC32N	TI	14	DIL	Quad 2 Input Positive OR Gate	959-1435●	1.03	0.79	0.59	0.37	– –
74HC42N	PS	16	DIL	BCD to Decimal Decoder	380-465●	1.24	0.99	0.74	0.50	– –
M74HC73B1R.	ST	14	DIL	Dual J-K Master Slave Flip/Flop	311-1805▲	0.94	0.74	0.62	0.48	– –
M74HC73B1R	ST	14	DIL	Dual J-K Master Slave Flip/Flop	109-4308●	0.96	0.75	0.63	0.48	– –
74HC74D	PS	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 120-1317●	0.84	0.67	0.50	0.34	– –
74HC74N	PS	14	DIL	Dual D Type Edge Triggered Flip/Flop	380-477●	0.74	0.59	0.45	0.30	– –
CD74HC74M..	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 558-930	0.83	0.64	0.44	0.30	– –
CD74HC74M	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 110-3175●	0.94	0.67	0.50	0.34	– –
M74HC74M1R	ST	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 109-4309●	0.77	0.62	0.54	0.46	– –
MC74HC74ADG	ON	14	SOIC	4-bit D Latch	SMD 966-7016●	0.98	0.76	0.52	0.35	– –
MC74HC74ANG	ON	14	DIL	4-bit D Latch	966-6044●	1.14	0.88	0.66	0.42	– –
MM74HC74AM..	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 379-300▲‡	0.81	0.65	0.48	0.34	– –
MM74HC74AM	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 101-3960●	0.96	0.73	0.55	0.35	– –
MM74HC74AN..	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	378-379▲‡	0.80	0.64	0.44	0.33	– –
MM74HC74AN	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	101-3916●	1.13	0.81	0.61	0.41	– –
SN74HC74D	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 959-1680●	0.89	0.69	0.47	0.32	– –
SN74HC74NG4	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	959-1699●	1.82	1.45	1.14	0.79	– –
SN74HC74PW	TI	14	TSSOP	Dual D Type Edge Triggered Flip/Flop	SMD 959-1702●	0.89	0.69	0.47	0.32	– –
74HC75D.	PS	16	SOIC	Quad Bi-Stable Latch	SMD 492-360‡	1.50	1.20	0.90	0.60	– –
74HC75D	PS	16	SOIC	Quad Bi-Stable Latch	SMD 108-5330●	1.55	1.24	0.93	0.62	– –
74HC85N	PS	16	DIL	4 Bit Magnitude Comparator	380-489●	1.10	0.90	0.67	0.46	– –
CD74HC85M	TI	16	SOIC	74HC, High Speed CMOS Logic 4-Bit Magnitude Comparator	SMD 838-9110●	1.58	1.26	1.01	0.69	– –
M74HC85B1R	ST	16	DIL	4 Bit Magnitude Comparator	311-1830▲	1.10	0.84	0.63	0.49	– –
74HC86D	PS	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 108-5331●	0.97	0.78	0.58	0.39	– –
74HC86N	PS	14	DIL	Quad 2-Input Exclusive OR Gate	380-490●	0.84	0.67	0.50	0.33	– –
M74HC86B1R.	ST	14	DIL	Quad 2-Input Exclusive OR Gate	311-2536▲	0.73	0.57	0.47	0.37	– –
M74HC86B1R	ST	14	DIL	Quad 2-Input Exclusive OR Gate	109-4310●	1.41	1.08	0.81	0.61	– –
M74HC86M1R	ST	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 109-4311●	0.58	0.46	0.41	0.35	– –
MM74HC86M.	FCH	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 354-8703▲‡	0.81	0.65	0.48	0.34	– –
MM74HC86M	FCH	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 101-3850●	0.96	0.73	0.55	0.35	– –
SN74HC86D	TI	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 959-1710●	0.89	0.69	0.47	0.32	– –
SN74HC86NG4	TI	14	DIL	Quad 2-Input Exclusive OR Gate	959-1729●	1.00	0.76	0.57	0.36	– –
74HC93N	PS	14	DIL	4 Bit Binary Counter	121-1735●	2.45	1.96	1.47	0.98	– –
M74HC107B1R.	ST	14	DIL	Dual J-K Master Slave Flip/Flop	311-2548▲	1.53	1.17	0.88	0.67	– –
M74HC107B1R	ST	14	DIL	Dual J-K Master Slave Flip/Flop	121-8310●	1.58	1.21	0.90	0.68	– –
74HC123D	PS	16	SOIC	Dual One Shot Multivibrator	SMD 108-5332●	1.46	1.17	0.88	0.58	– –
74HC123N	PS	16	DIL	Dual One Shot Multivibrator	380-519●	1.07	0.88	0.66	0.45	– –
CD74HC123M..	TI	16	SOIC	Dual One Shot Multivibrator	SMD 558-618	1.24	0.95	0.71	0.45	– –
CD74HC123M	TI	16	SOIC	Dual One Shot Multivibrator	SMD 110-3157●	0.94	0.67	0.50	0.34	– –
M74HC123B1R.	ST	16	DIL	Dual One Shot Multivibrator	311-2550▲	1.27	0.99	0.83	0.64	– –
M74HC123B1R	ST	16	DIL	Dual One Shot Multivibrator	109-4281●	1.28	1.00	0.84	0.65	– –
M74HC126B1R	ST	14	DIL	Dual One Shot Multivibrator	311-2573▲	0.75	0.59	0.49	0.38	– –
MM74HC123AM..	FCH	16	SOIC	Dual One Shot Multivibrator	SMD 379-347▲‡	0.88	0.69	0.52	0.35	– –
MM74HC123AM	FCH	16	SOIC	Dual One Shot Multivibrator	SMD 101-3961●	1.01	0.78	0.53	0.36	– –
MM74HC123AN.	FCH	16	DIL	Dual One Shot Multivibrator	378-446▲‡	0.90	0.67	0.50	0.37	– –
MM74HC123AN	FCH	16	DIL	Dual One Shot Multivibrator	101-3917●	1.06	0.76	0.57	0.38	– –
74HC125D	PS	14	SOIC	Tri-State Quad Buffer	SMD 120-1318●	1.20	0.96	0.72	0.48	– –
74HC125N	PS	14	DIL	Tri-State Quad Buffer	380-520●	0.90	0.74	0.55	0.38	– –
M74HC125B1R.	ST	14	DIL	Tri-State Quad Buffer	311-2561▲	0.75	0.59	0.49	0.38	– –
M74HC125B1R	ST	14	DIL	Tri-State Quad Buffer	109-4283●	0.75	0.59	0.49	0.38	– –
MC74HC125ADG	ON	14	SOIC	Quad 3-state buffer	SMD 966-6915●	0.80	0.62	0.46	0.29	– –
MC74HC125ANG	ON	14	DIL	Quad 3-state buffer	966-5811●	1.20	0.86	0.65	0.43	– –
MM74HC125M..	FCH	14	SOIC	Tri-State Quad Buffer	SMD 379-359▲‡	0.85	0.68	0.51	0.36	– –
MM74HC125M	FCH	14	SOIC	Tri-State Quad Buffer	SMD 101-3962●	1.01	0.77	0.58	0.37	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
MM74HC125N..	FCH	14	DIL	Tri-State Quad Buffer	378-458▲‡	1.16	0.87	0.65	0.48	– –
MM74HC125N	FCH	14	DIL	Tri-State Quad Buffer	101-3918●	1.37	0.98	0.74	0.49	– –
SN74HC125D	TI	14	SOIC	Tri-State Quad Buffer	SMD 959-1028●	1.08	0.82	0.62	0.39	– –
SN74HC125NG4	TI	14	DIL	Tri-State Quad Buffer	959-1036●	2.01	1.60	1.26	0.87	– –
CD74HC126M	TI	14	SOIC	74HC High Speed CMOS Logic Quad Non-Inverting Buffers with 3-State Outputs	SMD 838-9012●	1.25	0.90	0.67	0.45	– –
74HC126D	PS	14	SOIC	Tri-State Quad Buffer	SMD 108-5233●	1.20	0.96	0.72	0.48	– –
74HC126N	PS	14	DIL	Tri-State Quad Buffer	117-407●	0.90	0.74	0.55	0.38	– –
MM74HC126M..	FCH	14	SOIC	Tri-State Quad Buffer	SMD 354-8715▲‡	0.85	0.69	0.47	0.35	– –
MM74HC126M	FCH	14	SOIC	Tri-State Quad Buffer	SMD 101-3851●	1.01	0.78	0.53	0.36	– –
MM74HC126N.	FCH	14	DIL	Tri-State Quad Buffer	378-460▲‡	0.88	0.66	0.49	0.36	– –
MM74HC126N	FCH	14	DIL	Tri-State Quad Buffer	101-3921●	1.04	0.75	0.56	0.37	– –
SN74HC126D	TI	14	SOIC	Tri-State Quad Buffer	SMD 959-1044●	1.08	0.82	0.62	0.39	– –
74HC132D	PS	14	SOIC	Quad Schmitt Trigger	SMD 120-1319●	1.04	0.83	0.62	0.41	– –
74HC132N	PS	14	DIL	Quad Schmitt Trigger	380-532●	0.86	0.71	0.53	0.35	– –
CD74HC132M..	TI	14	SOIC	Quad Schmitt Trigger	SMD 558-631	0.84	0.65	0.44	0.30	– –
CD74HC132M	TI	14	SOIC	Quad Schmitt Trigger	SMD 110-3158●	1.25	0.90	0.67	0.45	– –
M74HC132M1R	ST	14	SOIC	Quad Schmitt Trigger	SMD 109-4284●	0.90	0.72	0.63	0.54	– –
MC74HC132ADG	ON	14	SOIC	Quad 2-Input NAND Schmitt gate	SMD 966-6923●	0.64	0.46	0.34	0.23	– –
MC74HC132ANG	ON	14	DIL	Quad 2-Input NAND Schmitt gate	966-5820●	1.20	0.86	0.65	0.43	– –
MM74HC132M..	FCH	14	SOIC	Quad Schmitt Trigger	SMD 379-360▲‡	0.85	0.69	0.47	0.35	– –
MM74HC132M	FCH	14	SOIC	Quad Schmitt Trigger	SMD 101-3963●	1.01	0.78	0.53	0.36	– –
MM74HC132N	FCH	14	DIL	Quad Schmitt Trigger	101-3922●	1.53	1.10	0.82	0.55	– –
SN74HC132D	TI	14	SOIC	Quad Schmitt Trigger	SMD 959-1052●	1.08	0.82	0.62	0.39	– –
SN74HC132NG4	TI	14	DIL	Quad Schmitt Trigger	959-1060●	2.03	1.62	1.27	0.88	– –
74HC138D	PS	16	SOIC	Expandable 3/8 Decoder	SMD 120-1320●	1.10	0.88	0.66	0.44	– –
74HC138N	PS	16	DIL	Expandable 3/8 Decoder	380-544●	0.93	0.74	0.56	0.37	– –
CD74HC138M	TI	16	SOIC	Expandable 3/8 Decoder	SMD 958-9562●	1.25	0.90	0.67	0.45	– –
M74HC138M1R	ST	16	SOIC	Expandable 3/8 Decoder	SMD 109-4285●	1.06	0.85	0.74	0.63	– –
MC74HC138ANG	ON	16	DIL	3-8 Line decoder/Multiplexer	966-5838●	1.16	0.83	0.62	0.42	– –
MM74HC138M..	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 379-372▲‡	1.16	0.87	0.65	0.48	– –
MM74HC138M	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 101-3964●	1.37	0.98	0.74	0.49	– –
MM74HC138N..	FCH	16	DIL	Expandable 3/8 Decoder	378-495▲‡	1.16	0.87	0.65	0.48	– –
MM74HC138N	FCH	16	DIL	Expandable 3/8 Decoder	101-3923●	1.37	0.98	0.74	0.49	– –
SN74HC138D	TI	16	SOIC	Expandable 3/8 Decoder	SMD 959-1079●	1.08	0.82	0.62	0.39	– –
SN74HC138N	TI	16	DIL	Expandable 3/8 Decoder	959-1087●	0.94	0.67	0.50	0.34	– –
SN74HC138PW	TI	16	TSSOP	Expandable 3/8 Decoder	SMD 959-1095●	1.08	0.82	0.62	0.39	– –
74HC139D	PS	16	SOIC	Dual 2 to 4 Decoder Demultiplexer	SMD 108-5333●	1.06	0.88	0.66	0.44	– –
74HC139N	PS	16	DIL	Dual 2 to 4 Decoder Demultiplexer	380-556●	0.93	0.74	0.56	0.37	– –
CD74HC139M.	TI	16	SOIC	Dual 2 to 4 Decoder Demultiplexer	SMD 558-655	1.00	0.76	0.57	0.36	– –
CD74HC139M	TI	16	SOIC	Dual 2 to 4 Decoder Demultiplexer	SMD 110-3159●	1.25	0.90	0.67	0.45	– –
M74HC139M1R	ST	16	SOIC	Dual 2 to 4 Decoder Demultiplexer	SMD 109-4286●	0.84	0.67	0.59	0.50	– –
MC74HC139ANG	ON	16	DIL	Dual 1-4 Decoder	966-5846●	1.30	0.93	0.69	0.47	– –
SN74HC139D	TI	16	SOIC	Dual 2 to 4 Decoder Demultiplexer	SMD 959-1109●	1.08	0.82	0.62	0.39	– –
SN74HC139NG4	TI	16	DIL	Dual 2 to 4 Decoder Demultiplexer	959-1117●	2.01	1.60	1.26	0.87	– –
74HC151D	PS	16	SOIC	8 Line Multiplexer	SMD 120-1321●	1.04	0.72	0.65	0.55	– –
74HC151N	PS	16	DIL	8 Line Multiplexer	380-568●	1.40	1.15	0.86	0.59	– –
M74HC151B1R	ST	16	DIL	8 Line Multiplexer	311-2585▲	0.94	0.74	0.62	0.48	– –
M74HC151M1R	ST	16	SOIC	8 Line Multiplexer	SMD 109-4288●	0.76	0.60	0.53	0.45	– –
MM74HC151M.	FCH	16	SOIC	8 Line Multiplexer	SMD 354-8740▲‡	0.99	0.74	0.56	0.41	– –
MM74HC151M	FCH	16	SOIC	8 Line Multiplexer	SMD 101-3852●	1.18	0.84	0.63	0.42	– –
MM74HC151N..	FCH	16	DIL	8 Line Multiplexer	378-525▲‡	1.36	1.02	0.77	0.56	– –
MM74HC151N	FCH	16	DIL	8 Line Multiplexer	101-3924●	1.61	1.16	0.87	0.58	– –
74HC153D	PS	16	SOIC	Dual 4 Input Multiplexer	SMD 120-1248●	1.28	1.06	0.80	0.56	– –
74HC153N	PS	16	DIL	Dual 4 Input Multiplexer	380-570●	1.40	1.15	0.86	0.59	– –
SN74HC153D	TI	16	SOIC	Dual 4 Input Multiplexer	SMD 959-1141●	1.08	0.82	0.62	0.39	– –
CD74HC154M	TI	24	SOIC	74HC High Speed CMOS Logic 4-to-16 Line Decoder/Demultiplexer	SMD 164-0550●	0.78	0.64	0.53	– –	– –
MM74HC154N	FCH	24	DIL	4 Line to 16 Line Decoder Demultiplexer	101-3925●	2.66	2.12	1.66	1.16	– –
MM74HC154WM.	FCH	24	SOIC	4 Line to 16 Line Decoder Demultiplexer	SMD 354-8752▲‡	2.32	1.71	1.35	1.01	– –
MM74HC154WM	FCH	24	SOIC	4 Line to 16 Line Decoder Demultiplexer	SMD 101-3854●	2.32	1.91	1.50	1.04	– –
74HC157D.	PS	16	SOIC	Quad 2 Input Multiplexer	SMD 492-449‡	1.29	1.03	0.77	0.54	– –
74HC157D	PS	16	SOIC	Quad 2 Input Multiplexer	SMD 108-5334●	1.33	1.06	0.80	0.56	– –
74HC157N	PS	16	DIL	Quad 2 Input Multiplexer	380-593●	1.40	1.15	0.86	0.59	– –
MC74HC157ADG	ON	16	SOIC	Quad 2-1-line Data Selectors/Multiplexers	SMD 966-6940●	1.04	0.80	0.60	0.38	– –
MC74HC157ANG	ON	16	DIL	Quad 2-1-line Data Selectors/Multiplexers	966-5862●	1.11	0.79	0.60	0.40	– –
MM74HC157M.	FCH	16	SOIC	Quad 2 Input Multiplexer	SMD 379-402▲‡	0.99	0.74	0.56	0.41	– –
MM74HC157M	FCH	16	SOIC	Quad 2 Input Multiplexer	SMD 101-3965●	1.18	0.84	0.63	0.42	– –
MM74HC157N.	FCH	16	DIL	Quad 2 Input Multiplexer	378-550▲‡	1.29	0.97	0.73	0.54	– –
MM74HC157N	FCH	16	DIL	Quad 2 Input Multiplexer	101-3926●	1.53	1.10	0.82	0.55	– –
SN74HC157D	TI	16	SOIC	Quad 2 Input Multiplexer	SMD 959-1150●	0.94	0.67	0.50	0.34	– –
SN74HC157NG4	TI	16	DIL	Quad 2 Input Multiplexer	959-1168●	2.27	1.81	1.42	0.99	– –
74HC161N	PS	16	DIL	Synchronous 4 Bit Binary Counter	380-600●	1.36	1.11	0.83	0.57	– –
M74HC161B1R	ST	16	DIL	Synchronous 4 Bit Binary Counter	311-2627▲	1.34	1.04	0.88	0.67	– –
MM74HC161N	FCH	16	DIL	Synchronous 4 Bit Binary Counter	378-586▲	5.16	4.13	3.21	3.05	– –
SN74HC161D	TI	16	SOIC	Synchronous 4 Bit Binary Counter	SMD 959-1176●	1.08	0.82	0.62	0.39	– –
M74HC163B1R.	ST	16	DIL	Binary Synchronous 4 Bit Counter	311-2640▲‡	1.06	0.81	0.61	0.47	– –
M74HC163B1R	ST	16	DIL	Binary Synchronous 4 Bit Counter	975-5454●	1.06	0.81	0.61	0.47	– –
74HC164D	PS	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD 108-5337●	1.29	1.03	0.77	0.52	– –
74HC164N	PS	14	DIL	8 Bit Serial In/Parallel Out Shift Register	380-623●	0.96	0.79	0.59	0.40	– –
CD74HC164M.	TI	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD 558-692	0.90	0.69	0.52	0.33	– –
CD74HC164M	TI	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD 110-3161●	1.25	0.90	0.67	0.45	– –
M74HC164B1R	ST	14	DIL	8 Bit Serial In/Parallel Out Shift Register	311-2652▲	1.10	0.84	0.63	0.49	– –
M74HC164M1R	ST	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD 109-4289●	1.15	0.92	0.80	0.69	– –
MC74HC164ANG	ON	14	DIL	Serial-in parallel-out shift register	966-5870●	1.20	0.86	0.65	0.43	– –
MM74HC164M..	FCH	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD 379-426▲‡	1.50	1.12	0.84	0.62	– –
MM74HC164M	FCH	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD 101-3966●	1.77	1.27	0.95	0.64	– –
MM74HC164N..	FCH	14	DIL	8 Bit Serial In/Parallel Out Shift Register	378-616▲‡	0.84	0.80	0.76	0.45	– –
MM74HC164N	FCH	14	DIL	8 Bit Serial In/Parallel Out Shift Register	101-3927●	1.77	1.27	0.95	0.64	– –
SN74HC164D	TI	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD 959-1184●	1.08	0.82	0.62	0.39	– –
74HC165D	PS	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD 120-1249●	1.29	1.03	0.77	0.52	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
74HC165N	PS	16	DIL	8 Bit Parallel In/Serial Out Shift Register	380-635	0.96	0.79	0.59	0.40	– –
CD74HC165M	TI	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD 110-3162	1.25	0.90	0.67	0.45	– –
M74HC165M1R.	ST	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD 311-4284	1.12	0.90	0.78	0.67	– –
M74HC165M1R	ST	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD 109-4290	1.13	0.90	0.79	0.68	– –
MC74HC165ADG	ON	16	SOIC	8-bit parallel to serial converter	SMD 966-4483	1.10	0.85	0.64	0.41	– –
MM74HC165M	FCH	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD 101-3967	1.77	1.27	0.95	0.64	– –
MM74HC165N..	FCH	16	DIL	8 Bit Parallel In/Serial Out Shift Register	378-628 ‡	1.50	1.12	0.84	0.62	– –
MM74HC165N	FCH	16	DIL	8 Bit Parallel In/Serial Out Shift Register	101-3928	1.77	1.27	0.95	0.64	– –
SN74HC165DG4	TI	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD 959-1192	1.84	1.46	1.15	0.80	– –
SN74HC165NG4	TI	16	DIL	8 Bit Parallel In/Serial Out Shift Register	959-1206	2.05	1.64	1.29	0.89	– –
CD74HC166M	TI	16	SOIC	74HC High Speed CMOS Logic 8-Bit Parallel-In/ Serial-Out Shift Register	SMD 838-9020	1.25	0.90	0.67	0.45	– –
M74HC174B1R	ST	16	DIL	Hex D Type Flip/Flop with Clear	311-2603	1.10	0.84	0.63	0.49	– –
MC74HC174ADG	ON	16	SOIC	Hex D-type Flip-Flops	SMD 966-6958	1.10	0.85	0.64	0.41	– –
MM74HC174M.	FCH	16	SOIC	Hex D Type Flip/Flop with Clear	SMD 379-440 ‡	1.43	1.07	0.80	0.59	– –
MM74HC174M	FCH	16	SOIC	Hex D Type Flip/Flop with Clear	SMD 101-3969	1.69	1.21	0.91	0.61	– –
MM74HC174N..	FCH	16	DIL	Hex D Type Flip/Flop with Clear	378-641 ‡	1.10	0.83	0.62	0.46	– –
MM74HC174N	FCH	16	DIL	Hex D Type Flip/Flop with Clear	101-3929	1.30	0.94	0.70	0.47	– –
SN74HC174D	TI	16	SOIC	Hex D Type Flip/Flop with Clear	SMD 959-1214	1.08	0.82	0.62	0.39	– –
M74HC175B1R	ST	16	DIL	Quad D Type Edge Triggered Flip/Flop	311-2615	1.10	0.84	0.63	0.49	– –
M74HC175M1R	ST	16	SOIC	Quad D Type Edge Triggered Flip/Flop	SMD 311-4296	1.12	0.90	0.78	0.67	– –
MM74HC175M.	FCH	16	SOIC	Quad D Type Edge Triggered Flip/Flop	SMD 354-8776 ‡	1.02	0.77	0.57	0.42	– –
MM74HC175M	FCH	16	SOIC	Quad D Type Edge Triggered Flip/Flop	SMD 101-3855	1.21	0.87	0.65	0.44	– –
MM74HC175N..	FCH	16	DIL	Quad D Type Edge Triggered Flip/Flop	378-653 ‡	1.10	0.83	0.62	0.46	– –
MM74HC175N	FCH	16	DIL	Quad D Type Edge Triggered Flip/Flop	101-3930	1.30	0.94	0.70	0.47	– –
SN74HC175D	TI	16	SOIC	Quad D Type Edge Triggered Flip/Flop	SMD 959-1222	1.08	0.82	0.62	0.39	– –
SN74HC175NG4	TI	16	DIL	Quad D Type Edge Triggered Flip/Flop	959-1230	2.08	1.65	1.30	0.90	– –
74HC191D	PS	16	SOIC	Synchronous Binary Up/Down Counter	SMD 121-1739	1.40	1.12	0.84	0.59	– –
74HC191N	PS	16	DIL	Synchronous Binary Up/Down Counter	380-660	1.24	0.99	0.74	0.50	– –
CD74HC191M	TI	16	SOIC	Synchronous Binary Up/Down Counter	SMD 558-710	1.25	0.90	0.67	0.45	– –
CD74HC191ME4	TI	16	SOIC	Synchronous Binary Up/Down Counter	SMD 121-4448	1.25	0.90	0.67	0.45	– –
CD74HC195M	TI	16	SOIC	74HC High Speed CMOS Logic 4-Bit Parallel Access Register	SMD 838-9039	1.80	1.29	0.97	0.65	– –

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
74HC221D	PS	16	SOIC	Dual Monostable Multivibrator with Clear	SMD 108-5338	2.07	1.68	1.26	0.88	– –
74HC221N	PS	16	DIL	Dual Monostable Multivibrator with Clear	120-1250	1.86	1.49	1.12	0.75	– –
74HC237N	PS	16	DIL	3 to 8 Line Latched Decoder	117-444	1.27	1.01	0.76	0.51	– –
74HC238N	PS	16	DIL	3 to 8 Line Non-Inverting Decoder	380-684	1.27	1.01	0.76	0.51	– –
CD74HC238E	TI	16	DIL	74HC High Speed CMOS Logic 3-to-8 Line Decoder Demultiplexer Inverting and Non-Inverting	226-0025	0.53	0.44	0.35	– –	– –
CD74HC238M	TI	16	SOIC	74HC High Speed CMOS Logic 3-to-8 Line Decoder Demultiplexer Inverting and Non-Inverting	SMD 164-0756	0.53	0.44	0.35	– –	– –
74HC240D	PS	20	SOIC	Octal Tri-State Inverter Buffer	SMD 108-5273	1.20	0.96	0.72	0.48	– –
74HC240N	PS	20	DIL	Octal Tri-State Inverter Buffer	380-696	0.79	0.65	0.49	0.33	– –
M74HC240B1R	ST	20	DIL	Octal Tri-State Inverter Buffer	311-3310	1.23	0.96	0.81	0.62	– –
MC74HC240ANG	ON	20	DIL	Octal buffer - 3 state inverting	966-5889	1.72	1.23	0.92	0.62	– –
MM74HC240N..	FCH	20	DIL	Octal Tri-State Inverter Buffer	378-720 ‡	1.50	1.12	0.84	0.62	– –
MM74HC240N	FCH	20	DIL	Octal Tri-State Inverter Buffer	101-3931	1.77	1.27	0.95	0.64	– –
MM74HC240WM..	FCH	20	SOIC	Octal Tri-State Inverter Buffer	SMD 379-463 ‡	1.50	1.12	0.84	0.62	– –
MM74HC240WM	FCH	20	SOIC	Octal Tri-State Inverter Buffer	SMD 101-3971	1.77	1.27	0.95	0.64	– –
SN74HC240DW	TI	20	SOIC	Octal Tri-State Inverter Buffer	SMD 959-1249	1.17	0.84	0.63	0.42	– –
SN74HC240NG4	TI	20	DIL	Octal Tri-State Inverter Buffer	959-1257	2.78	2.22	1.74	1.21	– –
M74HC241B1R.	ST	20	DIL	Octal Tri-State Buffer	311-3322	1.23	0.96	0.81	0.62	– –
M74HC241B1R	ST	20	DIL	Octal Tri-State Buffer	121-8312	1.66	1.14	0.94	0.48	– –
SN74HC241DW	TI	20	SOIC	Octal Tri-State Buffer	SMD 959-1265	1.09	0.79	0.59	0.40	– –
74HC244D	PS	20	SOIC	Octal Tri-State Buffer	SMD 120-1322	1.28	1.02	0.77	0.51	– –
M74HC244B1R.	ST	20	DIL	Octal Tri-State Buffer	311-3334	1.23	0.96	0.81	0.62	– –
M74HC244B1R	ST	20	DIL	Octal Tri-State Buffer	109-4291	1.23	0.96	0.81	0.62	– –
MC74HC244ANG	ON	20	DIL	Octal buffer - three state non-inverting	966-5897	1.60	1.14	0.86	0.58	– –
MM74HC244N	FCH	20	DIL	Octal Tri-State Buffer	101-3933	1.77	1.27	0.95	0.64	– –
MM74HC244WM.	FCH	20	SOIC	Octal Tri-State Buffer	SMD 379-475 ‡	1.50	1.12	0.84	0.62	– –
MM74HC244WM	FCH	20	SOIC	Octal Tri-State Buffer	SMD 101-3972	1.77	1.27	0.95	0.64	– –
SN74HC244DW	TI	20	SOIC	Octal Tri-State Buffer	SMD 959-1273	1.17	0.84	0.63	0.42	– –
SN74HC244N	TI	20	DIL	Octal Tri-State Buffer	959-1281	1.29	0.93	0.69	0.47	– –
74HC245D	PS	20	SOIC	Octal Tri-State Transceiver	SMD 120-1324	1.28	1.02	0.77	0.51	– –
74HC245N	PS	20	DIL	Octal Tri-State Transceiver	380-714	0.90	0.72	0.54	0.36	– –
CD74HC245M..	TI	20	SOIC	Octal Tri-State Transceiver	SMD 558-758	1.14	0.88	0.66	0.42	– –
CD74HC245M	TI	20	SOIC	Octal Tri-State Transceiver	SMD 110-3163	1.49	1.07	0.80	0.54	– –
MC74HC245ANG	ON	20	DIL	Octal bus transciever with 3 state outputs	966-5919	1.72	1.23	0.92	0.62	– –
MM74HC245AN..	FCH	20	DIL	Octal Tri-State Transceiver	378-770 ‡	1.50	1.12	0.84	0.62	– –
MM74HC245AN	FCH	20	DIL	Octal Tri-State Transceiver	101-3934	1.77	1.27	0.95	0.64	– –
MM74HC245AWM..	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 379-487 ‡	1.50	1.12	0.84	0.62	– –
MM74HC245AWM	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 101-3973	1.77	1.27	0.95	0.64	– –
SN74HC245DW	TI	20	SOIC	Octal Tri-State Transceiver	SMD 959-1290	1.17	0.84	0.63	0.42	– –
SN74HC245NG4	TI	20	DIL	Octal Tri-State Transceiver	959-1303	2.83	2.26	1.77	1.23	– –
M74HC251B1R.	ST	16	DIL	Data Selector/Multiplexer	311-3346 ‡	1.05	0.82	0.69	0.53	– –
M74HC251B1R	ST	16	DIL	Data Selector/Multiplexer	975-5462	1.05	0.82	0.69	0.53	– –
MM74HC251M.	FCH	16	SOIC	Data Selector/Multiplexer	SMD 354-8788 ‡	0.99	0.74	0.56	0.41	– –
MM74HC251M	FCH	16	SOIC	Data Selector/Multiplexer	SMD 101-3856	1.18	0.84	0.63	0.42	– –
MM74HC251N..	FCH	16	DIL	Data Selector/Multiplexer	378-781 ‡	1.29	0.97	0.73	0.54	– –
MM74HC251N	FCH	16	DIL	Data Selector/Multiplexer	101-3935	1.53	1.10	0.82	0.55	– –
SN74HC251D	TI	16	SOIC	Data Selector/Multiplexer	SMD 959-1311	1.03	0.79	0.59	0.37	– –
SN74HC251NG4	TI	16	DIL	Data Selector/Multiplexer	959-1320	1.47	1.17	0.94	0.64	– –
SN74HC253D	TI	16	SOIC	Tri-State Dual 4 Input Multiplexer	SMD 959-1338	0.94	0.67	0.50	0.34	– –
M74HC257B1R	ST	16	DIL	Tri-State Quad 2 Input Multiplexer	975-5470	1.08	0.84	0.70	0.54	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
					MIXED QUANTITY PRICING					
SN74HC257D	TI	16	SOIC	Tri-State Quad 2 Input Multiplexer	SMD 959-1346 ●	1.03	0.79	0.59	0.37	– –
SN74HC257NG4	TI	16	DIL	Tri-State Quad 2 Input Multiplexer	959-1354 ●	1.47	1.17	0.94	0.64	– –
74HC259D	PS	16	SOIC	Verrou adressable 8 bits	SMD 108-5339 ●	1.55	1.24	0.93	0.62	– –
M74HC259B1R.	ST	16	DIL	Verrou adressable 8 bits	311-3360 ▲	1.16	0.89	0.67	0.52	– –
M74HC259B1R	ST	16	DIL	8 Bit Addressable Latch	109-4292 ●	1.19	0.91	0.69	0.53	– –
M74HC259M1R	ST	16	SOIC	8 Bit Addressable Latch	SMD 311-4387 ▲	1.18	0.94	0.82	0.71	– –
MM74HC259M..	FCH	16	SOIC	8 Bit Addressable Latch	SMD 379-499 ▲‡	1.29	0.97	0.73	0.54	– –
MM74HC259M	FCH	16	SOIC	8 Bit Addressable Latch	SMD 101-3974 ●	1.53	1.10	0.82	0.55	– –
MM74HC259N	FCH	16	DIL	8 Bit Addressable Latch	101-3936 ●	1.53	1.10	0.82	0.55	– –
SN74HC259DG4	TI	16	SOIC	8 Bit Addressable Latch	SMD 959-1362 ●	1.78	1.28	0.96	0.64	– –
SN74HC259NG4	TI	16	DIL	8 Bit Addressable Latch	959-1370 ●	1.47	1.17	0.94	0.64	– –
74HC273D.	PS	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 492-553‡	1.24	0.99	0.75	0.50	– –
74HC273D	PS	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 108-5340 ●	1.28	1.02	0.77	0.51	– –
74HC273N	PS	20	DIL	Octal D Type Flip/Flop with Clear	380-726 ●	0.90	0.72	0.54	0.36	– –
CD74HC273M.	TI	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 558-760	1.16	0.89	0.67	0.42	– –
CD74HC273M	TI	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 110-3164 ●	1.49	1.07	0.80	0.54	– –
M74HC273B1R	ST	20	DIL	Octal D Type Flip/Flop with Clear	311-3371 ▲	0.97	0.74	0.56	0.43	– –
MC74HC273ANG	ON	20	DIL	8-bit register with clear	966-5927 ●	1.60	1.14	0.86	0.58	– –
MM74HC273N.	FCH	20	DIL	Octal D Type Flip/Flop with Clear	378-835 ▲‡	1.50	1.12	0.84	0.62	– –
MM74HC273N	FCH	20	DIL	Octal D Type Flip/Flop with Clear	101-3937 ●	1.77	1.27	0.95	0.64	– –
MM74HC273WM	FCH	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 101-3975 ●	1.77	1.27	0.95	0.64	– –
SN74HC273DW	TI	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 959-1389 ●	0.80	0.57	0.43	0.29	– –
SN74HC273N	TI	20	DIL	Octal D Type Flip/Flop with Clear	959-1397 ●	0.94	0.67	0.50	0.34	– –
SN74HC273PWG4	TI	20	TSSOP	Octal D Type Flip/Flop with Clear	SMD 959-1400 ●	1.07	0.82	0.61	0.39	– –
SN74HC27D	TI	14	SOIC	Octal D Type Flip/Flop with Clear	SMD 959-1419 ●	0.89	0.69	0.47	0.32	– –
M74HC299B1R.	ST	20	DIL	8 Bit Shift/Storage Register	311-3383 ▲	1.96	1.50	1.10	0.87	– –
M74HC299B1R	ST	20	DIL	8 Bit Shift/Storage Register	109-4295 ●	2.01	1.54	1.14	0.90	– –
74HC365N	PS	16	DIL	Tri-State Hex Buffer	380-740 ●	1.24	0.99	0.74	0.50	– –
M74HC365B1R	ST	16	DIL	Tri-State Hex Buffer	975-5489 ●	0.99	0.77	0.65	0.50	– –
CD74HC366M	TI	16	SOIC	74HC High Speed CMOS Logic Hex Buffers/Line Drivers with Inverting 3-State Outputs	SMD 838-9047 ●	1.25	0.90	0.67	0.45	– –
M74HC367B1R.	ST	16	DIL	Tri-State Hex Buffer	311-3401 ▲‡	0.99	0.77	0.65	0.50	– –
M74HC367B1R	ST	16	DIL	Tri-State Hex Buffer	975-5497 ●	0.99	0.77	0.65	0.50	– –
SN74HC367D	TI	16	SOIC	Tri-State Hex Buffer	SMD 959-1443 ●	1.02	0.73	0.55	0.37	– –
M74HC368B1R	ST	16	DIL	Tri-State Hex Inverter	975-5500 ●	0.99	0.77	0.65	0.50	– –
M74HC368M1R.	ST	16	SOIC	Tri-State Hex Inverter	SMD 311-4417 ▲	0.79	0.63	0.55	0.47	– –
M74HC368M1R	ST	16	SOIC	Tri-State Hex Inverter	SMD 109-4298 ●	0.81	0.65	0.57	0.49	– –
CD74HC373M.	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 558-783	2.21	1.76	1.38	0.96	– –
74HC373D	PS	20	SOIC	Tri-State Octal Transparent Latch	SMD 108-5341 ●	1.28	1.02	0.77	0.51	– –
CD74HC373M	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 110-3165 ●	1.49	1.07	0.80	0.54	– –
M74HC373M1R.	ST	20	SOIC	Tri-State Octal Transparent Latch	SMD 311-4429 ▲	0.99	0.79	0.69	0.59	– –
M74HC373M1R	ST	20	SOIC	Tri-State Octal Transparent Latch	SMD 109-4299 ●	0.99	0.79	0.69	0.59	– –
MC74HC373ANG	ON	20	DIL	PDIP-20 2-6V Transparent Non-Inverting	966-5943 ●	1.60	1.14	0.86	0.58	– –
MM74HC373N..	FCH	20	DIL	Tri-State Octal Transparent Latch	378-914 ▲‡	1.50	1.12	0.84	0.62	– –
MM74HC373N	FCH	20	DIL	Tri-State Octal Transparent Latch	101-3938 ●	1.77	1.27	0.95	0.64	– –
MM74HC373WM	FCH	20	SOIC	Tri-State Octal Transparent Latch	SMD 101-3976 ●	1.77	1.27	0.95	0.64	– –
SN74HC373DW	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 959-1451 ●	1.17	0.84	0.63	0.42	– –
SN74HC373NG4	TI	20	DIL	Tri-State Octal Transparent Latch	959-1460 ●	2.83	2.25	1.77	1.23	– –
74HC374D	PS	20	SOIC	Tri-State Octal D Flip/Flop	SMD 108-5342 ●	1.28	1.02	0.77	0.51	– –
74HC374N	PS	20	DIL	Tri-State Octal D Flip/Flop	380-763 ●	0.90	0.72	0.54	0.36	– –
CD74HC374M	TI	20	SOIC	Tri-State Octal D Flip/Flop	SMD 838-9055 ●	1.49	1.07	0.80	0.54	– –
MC74HC374AN	ON	20	DIL	Tri-State Octal D Flip/Flop	701-452 ▲	1.55	1.11	0.83	0.56	– –
MM74HC374N	FCH	20	DIL	Tri-State Octal D Flip/Flop	101-3939 ●	1.11	0.85	0.64	0.40	– –
MM74HC374WM..	FCH	20	SOIC	Tri-State Octal D Flip/Flop	SMD 379-530 ▲‡	1.50	1.12	0.84	0.62	– –
MM74HC374WM	FCH	20	SOIC	Tri-State Octal D Flip/Flop	SMD 101-3977 ●	1.77	1.27	0.95	0.64	– –
SN74HC374DW	TI	20	SOIC	Tri-State Octal D Flip/Flop	SMD 959-1478 ●	1.17	0.84	0.63	0.42	– –
SN74HC374NG4	TI	20	DIL	Tri-State Octal D Flip/Flop	959-1486 ●	2.84	2.27	1.78	1.24	– –
74HC377D	PS	20	SOIC	Octal D Type Flip/Flop with Enable	SMD 108-5235 ●	1.55	1.24	0.93	0.62	– –
74HC377N	PS	20	DIL	Octal D Type Flip/Flop with Enable	380-775 ●	1.13	0.92	0.69	0.48	– –
CD74HC377M.	TI	20	SOIC	Octal D Type Flip/Flop with Enable	SMD 558-801	0.94	0.72	0.54	0.34	– –
CD74HC377M	TI	20	SOIC	Octal D Type Flip/Flop with Enable	SMD 110-3166 ●	1.49	1.07	0.80	0.54	– –
SN74HC377DW	TI	20	SOIC	Octal D Type Flip/Flop with Enable	SMD 959-1494 ●	0.94	0.67	0.50	0.34	– –
74HC390D..	PS	16	SOIC	Dual Decade Ripple Counter	SMD 492-589	1.19	0.95	0.71	0.50	– –
74HC390D	PS	16	SOIC	Dual Decade Ripple Counter	SMD 108-5343 ●	1.22	0.98	0.73	0.52	– –
74HC390N	PS	16	DIL	Dual Decade Ripple Counter	380-787 ●	1.30	1.06	0.80	0.55	– –
M74HC390B1R	ST	16	DIL	Dual Decade Ripple Counter	311-3309 ▲	1.19	0.91	0.69	0.53	– –
MC74HC390ANG	ON	16	DIL	Dual Decade Ripple Counter	119-1835 ●	1.52	1.08	0.81	0.55	– –
74HC393D.	PS	14	SOIC	Dual 4 Bit Binary Ripple Counter	SMD 492-590‡	1.19	0.95	0.71	0.50	– –
74HC393D	PS	14	SOIC	Dual 4 Bit Binary Ripple Counter	SMD 108-5344 ●	1.22	0.98	0.73	0.52	– –
74HC393N	PS	14	DIL	Dual 4 Bit Binary Ripple Counter	380-799 ●	1.30	1.06	0.80	0.55	– –
M74HC393B1R	ST	14	DIL	Dual 4 Bit Binary Ripple Counter	311-3802 ▲	1.15	0.88	0.66	0.51	– –
M74HC393M1R	ST	14	SOIC	Dual 4 Bit Binary Ripple Counter	SMD 311-4442 ▲	1.16	0.93	0.81	0.70	– –
MM74HC393M..	FCH	14	SOIC	Dual 4 Bit Binary Ripple Counter	SMD 354-8790 ▲‡	1.36	1.02	0.77	0.56	– –
MM74HC393M	FCH	14	SOIC	Dual 4 Bit Binary Ripple Counter	SMD 101-3857 ●	1.61	1.16	0.87	0.58	– –
MM74HC393N..	FCH	14	DIL	Dual 4 Bit Binary Ripple Counter	378-940 ▲‡	0.93	0.74	0.56	0.37	– –
MM74HC393N	FCH	14	DIL	Dual 4 Bit Binary Ripple Counter	101-3940 ●	1.06	0.76	0.57	0.38	– –
SN74HC393D	TI	14	SOIC	Dual 4 Bit Binary Ripple Counter	SMD 959-1508 ●	0.98	0.75	0.56	0.36	– –
SN74HC393NG4	TI	14	DIL	Dual 4 Bit Binary Ripple Counter	959-1516 ●	1.50	1.19	0.95	0.65	– –
CD74HC423M.	TI	16	SOIC	Multivibrator (no trigger from clear)	SMD 332-0390	1.56	1.16	0.87	0.58	– –
CD74HC423M	TI	16	SOIC	Multivibrator (no trigger from clear)	SMD 110-2950 ●	1.33	0.95	0.72	0.48	– –
74HC540D	PS	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 108-5274 ●	1.29	1.03	0.77	0.52	– –
74HC540N	PS	20	DIL	Octal Buffer and Line DR/RX Inverted	380-805 ●	0.96	0.79	0.59	0.40	– –
CD74HC540M	TI	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 958-9589 ●	1.56	1.12	0.84	0.56	– –
MC74HC540ANG	ON	20	DIL	Octal 3-State Inverting Buffer	966-5994 ●	1.95	1.39	1.04	0.70	– –
MM74HC540N.	FCH	20	DIL	Octal Buffer and Line DR/RX Inverted	354-8600 ▲‡	1.33	1.11	0.88	0.66	– –
MM74HC540N	FCH	20	DIL	Octal Buffer and Line DR/RX Inverted	101-3842 ●	1.57	1.25	1.00	0.68	– –
MM74HC540WM.	FCH	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 379-566 ▲‡	1.33	1.11	0.88	0.66	– –
MM74HC540WM	FCH	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 101-3978 ●	1.57	1.25	1.00	0.68	– –
SN74HC540DW	TI	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 959-1540 ●	1.09	0.79	0.59	0.40	– –
SN74HC540NG4	TI	20	DIL	Octal Buffer and Line DR/RX Inverted	959-1559 ●	2.56	2.04	1.60	1.11	– –
74HC541D	PS	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 120-1325 ●	1.13	0.91	0.68	0.45	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
74HC541N	PS	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	380-817●	0.86	0.70	0.53	0.36	– –
	TI	20	DIL	Octal Buffers And Line Drivers With 3-State Outputs	226-0580●	0.64	0.53	0.41	– –	– –
CD74HC541E										
CD74HC541MG4	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 958-9597●	2.57	2.05	1.61	1.12	– –
MC74HC541ANG	ON	20	DIL	PDIP-20 2-6V Octal, 3-State Non-Inverting	966-6001●	1.89	1.35	1.01	0.68	– –
MM74HC541N.	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	354-8612▲‡	1.43	1.19	0.95	0.71	– –
MM74HC541N	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	101-3843●	1.69	1.35	1.08	0.74	– –
MM74HC541WM	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 101-3979●	1.69	1.35	1.08	0.74	– –
SN74HC541DW	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 959-1567●	1.09	0.79	0.59	0.40	– –
SN74HC541NG4	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	959-1575●	2.63	2.10	1.65	1.14	– –
SN74HC541PW	TI	20	TSSOP	Octal Buffer and Line DR/RX Non-Inverting	SMD 959-1583●	1.09	0.79	0.59	0.40	– –
M74HC563B1R.	ST	20	DIL	Inverted Octal D Type Latch	311-3814▲	1.03	0.79	0.59	0.46	– –
M74HC563B1R	ST	20	DIL	Inverted Octal D Type Latch	121-8313●	1.49	1.14	0.85	0.66	– –
SN74HC563DW	TI	20	SOIC	Inverted Octal D Type Latch	SMD 959-1591●	2.05	1.64	1.29	0.89	– –
74HC573D	PS	20	SOIC	Octal D Type Latches	SMD 120-1326●	1.13	0.91	0.68	0.45	– –
74HC573N	PS	20	DIL	Octal D Type Latches	380-829●	0.86	0.70	0.53	0.36	– –
CD74HC573M	TI	20	SOIC	Octal D Type Latches	SMD 958-9384●	1.56	1.12	0.84	0.56	– –
M74HC573B1R.	ST	20	DIL	Octal D Type Latches	311-3826▲	1.03	0.79	0.59	0.46	– –
M74HC573B1R	ST	20	DIL	Octal D Type Latches	109-4306●	1.06	0.81	0.61	0.47	– –
M74HC573M1R.	ST	20	SOIC	Octal D Type Latches	SMD 311-4466▲	1.05	0.84	0.74	0.63	– –
M74HC573M1R	ST	20	SOIC	Octal D Type Latches	SMD 109-4307●	1.06	0.85	0.74	0.63	– –
MC74HC573ANG	ON	20	DIL	PDIP-20 2-6V Transparent Non-Inverting	966-6010●	1.72	1.23	0.92	0.62	– –
MM74HC573N..	FCH	20	DIL	Octal D Type Latches	378-987▲‡	1.52	1.20	0.88	0.66	– –
MM74HC573N	FCH	20	DIL	Octal D Type Latches	101-3941●	1.52	1.25	1.00	0.68	– –
MM74HC573WM..	FCH	20	SOIC	Octal D Type Latches	SMD 379-580▲‡	1.45	1.17	0.97	0.66	– –
MM74HC573WM	FCH	20	SOIC	Octal D Type Latches	SMD 101-3982●	1.57	1.25	1.00	0.68	– –
SN74HC573ADW	TI	20	SOIC	Octal D Type Latches	SMD 959-1605●	1.17	0.84	0.63	0.42	– –
SN74HC573AN	TI	20	DIL	Octal D Type Latches	959-1613●	1.29	0.93	0.69	0.47	– –
74HC574D	PS	20	SOIC	Octal D Type Flip/Flop	SMD 108-5345●	1.13	0.91	0.68	0.45	– –
74HC574N	PS	20	DIL	Octal D Type Flip/Flop	380-830●	0.86	0.70	0.53	0.36	– –
CD74HC574M.	TI	20	SOIC	Octal D Type Flip/Flop	SMD 558-928	1.17	0.84	0.63	0.42	– –
CD74HC574M	TI	20	SOIC	Octal D Type Flip/Flop	SMD 110-3174●	1.56	1.12	0.84	0.56	– –
MC74HC574ANG	ON	20	DIL	PDIP-20 2-6V CMOS, Octal D-Type,Non-Inverting	966-6028●	1.72	1.23	0.92	0.62	– –
MM74HC574N.	FCH	20	DIL	Octal D Type Flip/Flop	378-999▲‡	1.52	1.20	0.97	0.66	– –
MM74HC574N	FCH	20	DIL	Octal D Type Flip/Flop	101-3942●	1.52	1.25	1.00	0.68	– –
MM74HC574WM	FCH	20	SOIC	Octal D Type Flip/Flop	SMD 101-3983●	1.57	1.25	1.00	0.68	– –
SN74HC574DW	TI	20	SOIC	Octal D Type Flip/Flop	SMD 959-1621●	1.17	0.84	0.63	0.42	– –
SN74HC574NG4	TI	20	DIL	Octal D Type Flip/Flop	959-1630●	2.81	2.24	1.76	1.22	– –
MM74HC589M	FCH	16	SOIC	8 Bit Shift Register with Input Latch	SMD 101-3858●	4.53	3.47	2.65	2.33	– –
MM74HC589N	FCH	16	DIL	8 Bit Shift Register with Input Latch	121-2945●	2.35	1.85	1.32	0.92	– –
MM74HC594M	FCH	16	SOIC	8-Bit Shift Register with Output Register	SMD 101-3859●	8.51	6.57	4.43	3.07	– –
MM74HC594N.	FCH	16	DIL	8-Bit Shift Register with Output Register	354-8624▲‡	1.87	1.36	1.08	0.81	– –
MM74HC594N	FCH	16	DIL	8-Bit Shift Register with Output Register	101-3844●	1.87	1.54	1.21	0.84	– –
SN74HC594DW	TI	16	SOIC	8-Bit Shift Register with Output Register	SMD 959-1648●	1.47	1.17	0.94	0.64	– –
74HC595D	PS	16	SOIC	8 Bit Shift Register with Output Latch	SMD 120-1269●	1.40	1.12	0.84	0.59	– –
74HC595N	PS	16	DIL	8 Bit Shift Register with Output Latch	316-6028●	1.24	0.99	0.74	0.50	– –
MC74HC595ADG	ON	16	SOIC	SOIC-16 8-Bit 3 State Shift	SMD 966-7008●	0.97	0.69	0.52	0.35	– –
MC74HC595ANG	ON	16	DIL	PDIP-16 8-Bit 3 State Shift	966-6036●	1.62	1.16	0.87	0.58	– –
MM74HC595M..	FCH	16	SOIC	8 Bit Shift Register with Output Latch	SMD 354-8831▲‡	1.08	0.78	0.60	0.39	– –
MM74HC595M	FCH	16	SOIC	8 Bit Shift Register with Output Latch	SMD 101-3860●	1.08	0.85	0.64	0.40	– –
MM74HC595N..	FCH	16	DIL	8 Bit Shift Register with Output Latch	354-8636▲‡	0.95	0.68	0.51	0.34	– –
MM74HC595N	FCH	16	DIL	8 Bit Shift Register with Output Latch	101-3845●	0.95	0.70	0.52	0.35	– –
SN74HC595D	TI	16	SOIC	8 Bit Shift Register with Output Latch	SMD 959-1656●	1.17	0.84	0.63	0.42	– –
SN74HC595NG4	TI	16	DIL	8 Bit Shift Register with Output Latch	959-1664●	2.28	1.81	1.42	0.99	– –
74HC688D.	PS	20	SOIC	8 Bit Magnitude Comparator	SMD 117-500‡	1.72	1.39	1.05	0.73	– –
74HC688D	PS	20	SOIC	8 Bit Magnitude Comparator	SMD 108-5236●	1.78	1.44	1.08	0.76	– –
M74HC688M1R	ST	20	SOIC	8 Bit Magnitude Comparator	SMD 311-4480▲	1.55	1.24	1.08	0.93	– –
MM74HC688N.	FCH	20	DIL	8 Bit Magnitude Comparator	379-025▲‡	1.48	1.23	0.99	0.74	– –
MM74HC688N	FCH	20	DIL	8 Bit Magnitude Comparator	101-3943●	1.75	1.40	1.10	0.76	– –
MM74HC688WM.	FCH	20	SOIC	8 Bit Magnitude Comparator	SMD 379-608▲‡	1.48	1.23	0.99	0.74	– –
MM74HC688WM	FCH	20	SOIC	8 Bit Magnitude Comparator	SMD 101-3984●	1.75	1.40	1.10	0.76	– –
SN74HC688NG4	TI	20	DIL	8 Bit Magnitude Comparator	959-1672●	2.78	2.13	1.57	1.35	– –
74HC4017N	PS	16	DIL	Decade Counter/Divider	120-1278●	1.28	1.02	0.77	0.51	– –
M74HC4017B1R.	ST	16	DIL	Decade Counter/Divider	311-3840▲	1.19	0.91	0.68	0.53	– –
M74HC4017B1R	ST	16	DIL	Decade Counter/Divider	109-4301●	1.19	0.91	0.68	0.53	– –
	TI	16	SOIC	74HC High Speed CMOS Logic 14-Stage Binary Counter	SMD 838-9063●	1.08	0.82	0.62	0.39	– –
CD74HC4020M										
M74HC4020B1R.	ST	16	DIL	14 Stage Ripple Carry Binary Counter	311-3851▲‡	1.44	1.10	0.82	0.64	– –
M74HC4020B1R	ST	16	DIL	14 Stage Ripple Carry Binary Counter	975-5519●	1.44	1.10	0.82	0.64	– –
M74HC4020M1R.	ST	16	SOIC	14 Stage Ripple Carry Binary Counter	SMD 311-4491▲	1.46	1.16	1.02	0.87	– –
M74HC4020M1R	ST	16	SOIC	14 Stage Ripple Carry Binary Counter	SMD 109-4302●	1.46	1.16	1.02	0.87	– –
MC74HC4020ANG	ON	16	DIL	14 bit binary counter	966-5951●	1.39	0.99	0.74	0.50	– –
74HC4024N	PS	14	DIL	7 Bit Binary Counter	380-878●	1.24	0.99	0.74	0.50	– –
74HC4040N	PS	16	DIL	12 Bit Binary Ripple Counter/Divider	380-880●	1.24	0.99	0.74	0.50	– –
M74HC4040M1R	ST	16	SOIC	12 Bit Binary Ripple Counter/Divider	SMD 109-4303●	1.37	1.10	0.96	0.82	– –
MC74HC4040ANG	ON	16	DIL	12 bit binary counter	966-5960●	1.39	0.99	0.74	0.50	– –
MM74HC4040M	FCH	16	SOIC	12 Bit Binary Ripple Counter/Divider	SMD 101-3985●	1.93	1.39	1.04	0.70	– –
MM74HC4040N..	FCH	16	DIL	12 Bit Binary Ripple Counter/Divider	379-062▲‡	0.97	0.73	0.55	0.40	– –
MM74HC4040N	FCH	16	DIL	12 Bit Binary Ripple Counter/Divider	101-3945●	1.15	0.83	0.62	0.42	– –
SN74HC4040DG4	TI	16	SOIC	12 Bit Binary Ripple Counter/Divider	SMD 959-1524●	1.06	0.76	0.57	0.38	– –
74HC4046AD.	PS	16	SOIC	Phase Locked Loop	SMD 492-668‡	2.24	1.81	1.36	0.95	– –
74HC4046AD	PS	16	SOIC	Phase Locked Loop	SMD 108-5346●	2.31	1.86	1.40	0.98	– –
74HC4046AN	PS	16	DIL	Phase Locked Loop	380-891●	2.00	1.60	1.20	0.80	– –
CD74HC4046AM.	TI	16	SOIC	Phase Locked Loop	SMD 558-837	0.94	0.67	0.50	0.34	– –
CD74HC4046AM	TI	16	SOIC	Phase Locked Loop	SMD 110-3169●	1.17	0.84	0.63	0.42	– –
MM74HC4046M	FCH	16	SOIC	Phase Locked Loop	SMD 101-3986●	2.72	2.17	1.70	1.18	– –
MM74HC4046N..	FCH	16	DIL	Phase Locked Loop	379-074▲‡	1.27	0.91	0.68	0.46	– –
MM74HC4046N	FCH	16	DIL	Phase Locked Loop	101-3946●	1.27	0.94	0.70	0.47	– –
74HC4049N	PS	16	DIL	Hex Inverting Buffer	121-7205●	1.17	0.98	0.72	– –	– –
MM74HC4049M.	FCH	16	SOIC	Hex Inverting Buffer	SMD 354-8867▲‡	1.50	1.12	0.84	0.62	– –
MM74HC4049M	FCH	16	SOIC	Hex Inverting Buffer	SMD 101-3861●	1.77	1.27	0.95	0.64	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
MM74HC4049N.	FCH	16	DIL	Hex Inverting Buffer	379-086▲‡	1.50	1.12	0.84	0.62	– –
MM74HC4049N	FCH	16	DIL	Hex Inverting Buffer	101-3947●	1.77	1.27	0.95	0.64	– –
74HC4050D	PS	16	SOIC	Hex Buffer	SMD 108-5272●	1.22	0.98	0.73	0.52	– –
74HC4050N	PS	16	DIL	Hex Buffer	380-908●	1.30	1.06	0.80	0.55	– –
CD74HC4050M	TI	16	SOIC	74HC High Speed CMOS Logic Hex Non-Inverting Buffers	SMD 164-3824●	0.44	0.35	0.29	– –	– –
MM74HC4050M.	FCH	16	SOIC	Hex Buffer	SMD 354-8879▲‡	1.50	1.12	0.84	0.62	– –
MM74HC4050M	FCH	16	SOIC	Hex Buffer	SMD 101-3862●	1.77	1.27	0.95	0.64	– –
MM74HC4050N.	FCH	16	DIL	Hex Buffer	379-098▲‡	1.50	1.12	0.84	0.62	– –
MM74HC4050N	FCH	16	DIL	Hex Buffer	101-3948●	1.77	1.27	0.95	0.64	– –
74HC4051D	PS	16	SOIC	Single 8 Channel Multiplexer	SMD 120-1327●	1.29	1.03	0.77	0.52	– –
74HC4051N	PS	16	DIL	Single 8 Channel Multiplexer	380-910●	0.96	0.79	0.59	0.40	– –
CD74HC4051M.	TI	16	SOIC	Single 8 Channel Multiplexer	SMD 558-849	1.48	1.06	0.80	0.53	– –
CD74HC4051M	TI	16	SOIC	Single 8 Channel Multiplexer	SMD 110-3170●	1.08	0.82	0.62	0.39	– –
CD74HC4051PWR	TI	16	TSSOP	74HC High Speed CMOS 8-Channel Analog Multiplexer/Demultiplexer	SMD 838-9071●	1.08	0.82	0.62	0.39	– –
MC74HC4051AN	ON	16	DIL	Single 8 Channel Multiplexer	334-8453▲	1.44	1.03	0.77	0.52	– –
MM74HC4051M..	FCH	16	SOIC	Single 8 Channel Multiplexer	SMD 354-8880▲‡	1.33	1.11	0.88	0.66	– –
MM74HC4051M	FCH	16	SOIC	Single 8 Channel Multiplexer	SMD 101-3863●	1.57	1.25	1.00	0.68	– –
MM74HC4051N.	FCH	16	DIL	Single 8 Channel Multiplexer	354-8650▲‡	1.33	1.11	0.88	0.66	– –
MM74HC4051N	FCH	16	DIL	Single 8 Channel Multiplexer	101-3846●	1.57	1.25	1.00	0.68	– –
74HC4052D	PS	16	SOIC	Differential 4 Channel Multiplexer	SMD 120-1328●	1.29	1.03	0.77	0.52	– –
74HC4052N	PS	16	DIL	Differential 4 Channel Multiplexer	380-921●	0.96	0.79	0.59	0.40	– –
CD74HC4052M..	TI	16	SOIC	Differential 4 Channel Multiplexer	SMD 558-850	1.00	0.72	0.54	0.36	– –
CD74HC4052M	TI	16	SOIC	Differential 4 Channel Multiplexer	SMD 110-3171●	0.94	0.67	0.50	0.34	– –
MC74HC4052ADG	ON	16	SOIC	Dual 4 input analogue multiplexer	SMD 966-6974●	1.06	0.77	0.58	0.39	– –
MC74HC4052ANG	ON	16	DIL	Dual 4 input analogue multiplexer	966-4548●	1.48	1.06	0.79	0.53	– –
MM74HC4052M..	FCH	16	SOIC	Differential 4 Channel Multiplexer	SMD 354-8892▲‡	1.33	1.11	0.88	0.66	– –
MM74HC4052M	FCH	16	SOIC	Differential 4 Channel Multiplexer	SMD 101-3866●	1.57	1.25	1.00	0.68	– –
MM74HC4052N..	FCH	16	DIL	Differential 4 Channel Multiplexer	354-8661▲‡	1.33	1.11	0.88	0.66	– –
MM74HC4052N	FCH	16	DIL	Differential 4 Channel Multiplexer	101-3847●	1.57	1.25	1.00	0.68	– –
74HC4053D	PS	16	SOIC	Triple 2 Channel Multiplexer	SMD 120-1329●	1.29	1.03	0.77	0.52	– –
74HC4053N	PS	16	DIL	Triple 2 Channel Multiplexer	380-933●	0.96	0.79	0.59	0.40	– –
CD74HC4053M..	TI	16	SOIC	Triple 2 Channel Multiplexer	SMD 558-862	0.89	0.68	0.51	0.32	– –
CD74HC4053M	TI	16	SOIC	Triple 2 Channel Multiplexer	SMD 110-3172●	0.98	0.75	0.56	0.36	– –
MC74HC4053ADG	ON	16	SOIC	Triple 2 input analogue multiplexer	SMD 966-6982●	1.08	0.77	0.58	0.39	– –
MC74HC4053ANG	ON	16	DIL	Triple 2 input analogue multiplexer	966-5978●	1.48	1.06	0.79	0.53	– –
MM74HC4053M..	FCH	16	SOIC	Triple 2 Channel Multiplexer	SMD 354-8909▲‡	1.33	1.11	0.88	0.66	– –
MM74HC4053M	FCH	16	SOIC	Triple 2 Channel Multiplexer	SMD 101-3867●	1.57	1.25	1.00	0.68	– –
MM74HC4053N..	FCH	16	DIL	Triple 2 Channel Multiplexer	354-8673▲‡	1.41	1.11	0.88	0.66	– –
MM74HC4053N	FCH	16	DIL	Triple 2 Channel Multiplexer	101-3848●	1.57	1.25	1.00	0.68	– –
MM74HC541N	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	101-3843●	1.69	1.35	1.08	0.74	– –
CD74HC4051E	TI	16	DIL	74HC High Speed CMOS 8-Channel Analog Multiplexer/Demultiplexer	226-0359●	0.63	0.49	0.41	– –	– –
74HC4060D	PS	16	SOIC	14 Stage Ripple Carry Binary Counter	SMD 120-1252●	1.40	1.12	0.84	0.59	– –
74HC4060N	PS	16	DIL	14 Stage Ripple Carry Binary Counter	380-945●	1.24	0.99	0.74	0.50	– –
CD74HC4060M	TI	16	SOIC	74HC High Speed CMOS Logic 14-Stage Binary Counter with Oscillator	SMD 226-0426●	0.64	0.53	0.44	– –	– –
M74HC4060B1R	ST	16	DIL	14 Stage Ripple Carry Binary Counter	311-3863▲	1.32	1.01	0.76	0.59	– –
MM74HC4060N..	FCH	16	DIL	14 Stage Ripple Carry Binary Counter	379-104▲‡	1.43	1.19	0.95	0.71	– –
MM74HC4060N	FCH	16	DIL	14 Stage Ripple Carry Binary Counter	101-3949●	1.69	1.35	1.08	0.74	– –
74HC4066D	PS	14	SOIC	Quad Bi-Lateral Switch	SMD 120-1330●	1.41	1.13	0.84	0.56	– –
74HC4066N	PS	14	DIL	Quad Bi-Lateral Switch	380-957●	1.04	0.85	0.64	0.44	– –
CD74HC4066M	TI	14	SOIC	74HC High Speed CMOS Logic Quad Bilateral Switches	SMD 226-0440●	0.44	0.35	0.29	– –	– –
CD74HC4066PW	TI	14	TSSOP	74HC High Speed CMOS Logic Quad Bilateral Switches	SMD 838-9080●	1.08	0.82	0.62	0.39	– –
M74HC4066M1R	ST	14	SOIC	Quad Bi-Lateral Switch	SMD 109-4304●	0.80	0.64	0.56	0.48	– –
MC74HC4066ADG	ON	14	SOIC	Quad analogue switch	SMD 966-6990●	1.04	0.80	0.60	0.38	– –
MM74HC4066N..	FCH	14	DIL	Quad Bi-Lateral Switch	379-116▲‡	1.36	1.02	0.77	0.56	– –
MM74HC4066N	FCH	14	DIL	Quad Bi-Lateral Switch	101-3950●	1.61	1.16	0.87	0.58	– –
CD74HC4075M	TI	14	SOIC	Triple 3 Input OR Gate	SMD 958-9570●	0.94	0.67	0.50	0.34	– –
M74HC4075B1R.	ST	14	DIL	Triple 3 Input OR Gate	311-3875▲	0.69	0.54	0.45	0.35	– –
M74HC4075B1R	ST	14	DIL	Triple 3 Input OR Gate	109-4305●	0.69	0.54	0.45	0.35	– –
M74HC4078B1R	ST	14	DIL	8 Input NOR/OR Gate	975-5527●	0.69	0.54	0.45	0.35	– –
74HC4094D	PS	16	SOIC	8 Bit Shift Register/Latch	SMD 120-1331●	1.29	1.03	0.77	0.52	– –
74HC4094N	PS	16	DIL	8 Bit Shift Register/Latch	380-970●	0.96	0.79	0.59	0.40	– –
CD74HC4094M	TI	16	SOIC	8 Bit Shift Register/Latch	SMD 110-3173●	0.94	0.67	0.50	0.34	– –
MM74HC4316M.	FCH	16	SOIC	Quad Analogue Switch	SMD 354-8910▲‡	3.94	3.08	2.17	1.48	– –
MM74HC4316M	FCH	16	SOIC	Quad Analogue Switch	SMD 101-3868●	4.67	3.49	2.41	1.52	– –
MM74HC4316N	FCH	16	DIL	Quad Analogue Switch	379-141▲	1.18	0.88	0.66	0.49	– –
MM74HC4514N..	FCH	24	DIL	4 Bit Latch/4 to 16 Line Decoder (High)	379-165▲‡	2.23	1.94	1.52	1.06	– –
MM74HC4514N	FCH	24	DIL	4 Bit Latch/4 to 16 Line Decoder (High)	101-3951●	2.51	2.00	1.57	1.09	– –
MM74HC4514WM.	FCH	24	SOIC	4 Bit Latch/4 to 16 Line Decoder (High)	SMD 354-8922▲‡	2.28	1.76	1.41	1.06	– –
MM74HC4514WM	FCH	24	SOIC	4 Bit Latch/4 to 16 Line Decoder (High)	SMD 101-3869●	2.51	2.00	1.57	1.09	– –
74HC4520N	PS	16	DIL	Dual Synchronous Up Counter	381-019●	1.45	1.18	0.89	0.59	– –
74HC4538D	PS	16	SOIC	Dual Monostable Multivibrator	SMD 120-1332●	1.61	1.30	0.98	0.69	– –
74HC4538N	PS	16	DIL	Dual Monostable Multivibrator	381-020●	1.43	1.14	0.86	0.57	– –
CD74HC4538M	TI	16	SOIC	High Speed CMOS Logic Dual Retriggerable Precision Monostable Multivibrators	SMD 164-2820●	0.94	0.75	0.62	– –	– –
MC74HC4538ANG	ON	16	DIL	PDIP-16 3-6V Dual Precision MonoStable	966-5986●	1.76	1.26	0.94	0.63	– –
MM74HC4538M.	FCH	16	SOIC	Dual Monostable Multivibrator	SMD 379-670▲‡	1.48	1.23	0.99	0.74	– –
MM74HC4538M	FCH	16	SOIC	Dual Monostable Multivibrator	SMD 101-3987●	1.75	1.40	1.10	0.76	– –
MM74HC4538N..	FCH	16	DIL	Dual Monostable Multivibrator	379-177▲‡	1.29	0.93	0.69	0.47	– –
MM74HC4538N	FCH	16	DIL	Dual Monostable Multivibrator	101-3952●	1.29	0.95	0.72	0.48	– –
M74HC4543B1R.	ST	16	DIL	BCD to 7 Segment Latch/Decoder/Driver for LCDs	311-3905▲‡	1.24	0.95	0.71	0.55	– –
M74HC4543B1R	ST	16	DIL	BCD to 7 Segment Latch/Decoder/Driver for LCDs	975-5535●	1.24	0.95	0.71	0.55	– –
SN74HC4851D	TI	16	SOIC	8-Channel Analog Multiplexer/Demultiplexer	SMD 959-1532●	1.25	0.90	0.67	0.45	– –
74HC40103N	PS	16	DIL	8 Bit Synchronous Binary Down Counter	120-1279●	2.26	1.80	1.35	0.90	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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74HCT High Speed CMOS Logic

FAIRCHILD SEMICONDUCTOR · PHILIPS · ST · TEXAS INSTRUMENTS · ON Semiconductor

413302

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
					MIXED QUANTITY PRICING					
74HCT00D.	PS	14	SOIC	Quad 2 Input NAND Gate	SMD 489-384‡	0.65	0.52	0.39	0.26	– –
74HCT00D	PS	14	SOIC	Quad 2 Input NAND Gate	SMD 108-5297●	0.67	0.53	0.40	0.27	– –
74HCT00N	PS	14	DIL	Quad 2 Input NAND Gate	381-755●	0.84	0.67	0.50	0.34	– –
CD74HCT00E..	TI	14	DIL	Quad 2 Input NAND Gate	381-056	1.10	0.84	0.63	0.40	– –
CD74HCT00E	TI	14	DIL	Quad 2 Input NAND Gate	110-5962●	1.25	0.90	0.67	0.45	– –
M74HCT00B1R.	ST	14	DIL	Quad 2 Input NAND Gate	311-1301▲	0.68	0.49	0.39	0.30	– –
M74HCT00B1R	ST	14	DIL	Quad 2 Input NAND Gate	109-4313●	0.68	0.49	0.39	0.30	– –
MM74HCT00M..	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 382-723▲‡	0.85	0.68	0.51	0.36	– –
MM74HCT00M	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 101-3988●	1.01	0.77	0.58	0.37	– –
MM74HCT00N.	FCH	14	DIL	Quad 2 Input NAND Gate	382-735▲‡	0.95	0.71	0.54	0.40	– –
MM74HCT00N	FCH	14	DIL	Quad 2 Input NAND Gate	101-3989●	1.13	0.81	0.61	0.41	– –
SN74HCT00D	TI	14	SOIC	Quad 2 Input NAND Gate	SMD 959-1737●	0.89	0.69	0.47	0.32	– –
SN74HCT00NG4	TI	14	DIL	Quad 2 Input NAND Gate	959-1745●	1.82	1.45	1.14	0.79	– –
74HCT02D	PS	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 108-5298●	0.67	0.53	0.40	0.27	– –
74HCT02N	PS	14	DIL	Quad 2 Input Positive NOR Gate	381-767●	0.84	0.67	0.50	0.34	– –
CD74HCT02E..	TI	14	DIL	Quad 2 Input Positive NOR Gate	381-068	1.17	0.90	0.67	0.43	– –
CD74HCT02E	TI	14	DIL	Quad 2 Input Positive NOR Gate	110-5963●	1.25	0.90	0.67	0.45	– –
CD74HCT02M	TI	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 110-3127●	0.94	0.67	0.50	0.34	– –
SN74HCT02D	TI	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 959-1753●	0.89	0.69	0.47	0.32	– –
74HCT04D.	PS	14	SOIC	Hex Inverter	SMD 489-402‡	0.65	0.52	0.39	0.26	– –
74HCT04D	PS	14	SOIC	Hex Inverter	SMD 108-5299●	0.67	0.53	0.40	0.27	– –
74HCT04N	PS	14	DIL	Hex Inverter	381-780●	0.84	0.67	0.50	0.34	– –
CD74HCT04E..	TI	14	DIL	Hex Inverter	381-081	1.11	0.85	0.63	0.40	– –
CD74HCT04E	TI	14	DIL	Hex Inverter	110-5964●	1.25	0.90	0.67	0.45	– –
CD74HCT04M..	TI	14	SOIC	Hex Inverter	SMD 539-247	0.97	0.74	0.56	0.35	– –
CD74HCT04M	TI	14	SOIC	Hex Inverter	SMD 110-3128●	0.94	0.67	0.50	0.34	– –
M74HCT04B1R.	ST	14	DIL	Hex Inverter	311-1313▲‡	0.68	0.49	0.39	0.30	– –
M74HCT04B1R	ST	14	DIL	Hex Inverter	975-5390●	0.68	0.49	0.39	0.30	– –
MM74HCT04M..	FCH	14	SOIC	Hex Inverter	SMD 382-747▲‡	0.95	0.71	0.54	0.40	– –
MM74HCT04M	FCH	14	SOIC	Hex Inverter	SMD 101-3990●	1.13	0.81	0.61	0.41	– –
MM74HCT04N.	FCH	14	DIL	Hex Inverter	382-759▲‡	0.88	0.66	0.50	0.37	– –
MM74HCT04N	FCH	14	DIL	Hex Inverter	101-3991●	1.05	0.75	0.56	0.38	– –
SN74HCT04D	TI	14	SOIC	Hex Inverter	SMD 959-1761●	0.89	0.69	0.47	0.32	– –
SN74HCT04NG4	TI	14	DIL	Hex Inverter	959-1770●	1.81	1.44	1.13	0.79	– –
SN74HCU04D	TI	14	SOIC	Hex Inverter	SMD 959-2148●	0.89	0.69	0.47	0.32	– –
MM74HCT05M.	FCH	14	SOIC	Hex Inverter (OC)	SMD 354-8960▲‡	1.05	0.79	0.59	0.43	– –
MM74HCT05M	FCH	14	SOIC	Hex Inverter (OC)	SMD 101-3873●	1.24	0.89	0.67	0.45	– –
MM74HCT05N.	FCH	14	DIL	Hex Inverter (OC)	354-8934▲‡	1.05	0.79	0.59	0.43	– –
MM74HCT05N	FCH	14	DIL	Hex Inverter (OC)	101-3870●	1.24	0.89	0.67	0.45	– –
74HCT08D	PS	14	SOIC	Quad 2 Input Positive AND Gate	SMD 108-5301●	0.67	0.53	0.40	0.27	– –
74HCT08N	PS	14	DIL	Quad 2 Input Positive AND Gate	381-792●	0.84	0.67	0.50	0.34	– –
CD74HCT08E..	TI	14	DIL	Quad 2 Input Positive AND Gate	381-093	1.11	0.85	0.63	0.40	– –
CD74HCT08E	TI	14	DIL	Quad 2 Input Positive AND Gate	110-5965●	1.25	0.90	0.67	0.45	– –
CD74HCT08M.	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 539-259	0.86	0.67	0.46	0.31	– –
CD74HCT08M	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 110-3129●	0.94	0.67	0.50	0.34	– –
M74HCT08B1R	ST	14	DIL	Quad 2 Input Positive AND Gate	311-1325▲	0.68	0.49	0.39	0.30	– –
MM74HCT08M..	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 572-240▲‡	0.85	0.68	0.51	0.36	– –
MM74HCT08M	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 101-4075●	1.01	0.77	0.58	0.37	– –
MM74HCT08N.	FCH	14	DIL	Quad 2 Input Positive AND Gate	382-784▲‡	1.11	0.88	0.66	0.46	– –
MM74HCT08N	FCH	14	DIL	Quad 2 Input Positive AND Gate	101-3992●	1.31	1.00	0.75	0.48	– –
SN74HCT08D	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 959-1788●	0.89	0.69	0.47	0.32	– –
SN74HCT08NG4	TI	14	DIL	Quad 2 Input Positive AND Gate	959-1796●	1.82	1.45	1.14	0.79	– –
74HCT10D.	PS	14	SOIC	Triple 3 Input Positive NAND Gate	SMD 489-426‡	0.65	0.52	0.39	0.26	– –
74HCT10D	PS	14	SOIC	Triple 3 Input Positive NAND Gate	SMD 108-5302●	0.67	0.53	0.40	0.27	– –
74HCT10N	PS	14	DIL	Triple 3 Input Positive NAND Gate	121-1736●	0.86	0.69	0.52	0.35	– –
M74HCT10B1R	ST	14	DIL	Triple 3 Input Positive NAND Gate	311-1337▲	0.68	0.49	0.39	0.30	– –
74HCT14D	PS	14	SOIC	Hex Schmitt Trigger	SMD 120-1304●	0.67	0.53	0.40	0.27	– –
74HCT14N	PS	14	DIL	Hex Schmitt Trigger	381-822●	0.84	0.67	0.50	0.34	– –
CD74HCT14E..	TI	14	DIL	Hex Schmitt Trigger	381-123	1.10	0.84	0.63	0.40	– –
CD74HCT14E	TI	14	DIL	Hex Schmitt Trigger	110-5967●	1.25	0.90	0.67	0.45	– –
CD74HCT14M..	TI	14	SOIC	Hex Schmitt Trigger	SMD 539-260	0.97	0.74	0.56	0.35	– –
CD74HCT14M	TI	14	SOIC	Hex Schmitt Trigger	SMD 110-3130●	0.94	0.67	0.50	0.34	– –
MC74HCT14ANG	ON	14	DIL	Hex Schmitt Trigger	966-6079●	0.97	0.69	0.52	0.35	– –
MM74HCT14M	FCH	14	SOIC	Hex Schmitt Trigger	SMD 101-3874●	0.96	0.73	0.55	0.35	– –
MM74HCT14N.	FCH	14	DIL	Hex Schmitt Trigger	354-8946▲‡	0.99	0.79	0.59	0.41	– –
MM74HCT14N	FCH	14	DIL	Hex Schmitt Trigger	101-3871●	1.17	0.89	0.67	0.43	– –
SN74HCT14D	TI	14	SOIC	Hex Schmitt Trigger	SMD 959-1842●	0.89	0.69	0.47	0.32	– –
SN74HCT14NG4	TI	14	DIL	Hex Schmitt Trigger	959-1850●	1.82	1.45	1.14	0.79	– –
74HCT20N	PS	14	DIL	Dual 4 Input Positive NAND Gate	121-1737●	0.86	0.69	0.52	0.35	– –
74HCT27N	PS	14	DIL	Triple 3 Input NOR Gate	381-858●	0.84	0.67	0.50	0.34	– –
74HCT30D	PS	14	SOIC	8 Input Positive NAND Gate	SMD 108-5303●	0.67	0.53	0.40	0.27	– –
74HCT30N	PS	14	DIL	8 Input Positive NAND Gate	381-860●	0.84	0.67	0.50	0.34	– –
74HCT32D	PS	14	SOIC	Quad 2 Input Positive OR Gate	SMD 120-1305●	0.67	0.53	0.40	0.27	– –
74HCT32N	PS	14	DIL	Quad 2 Input Positive OR Gate	381-871●	0.84	0.67	0.50	0.34	– –
CD74HCT32E..	TI	14	DIL	Quad 2 Input Positive OR Gate	381-160	1.07	0.82	0.62	0.39	– –
CD74HCT32E	TI	14	DIL	Quad 2 Input Positive OR Gate	110-5968●	1.25	0.90	0.67	0.45	– –
CD74HCT32M.	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 539-272	0.83	0.64	0.48	0.30	– –
CD74HCT32M	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 110-3132●	0.94	0.67	0.50	0.34	– –
MM74HCT32M..	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 382-796▲‡	0.85	0.68	0.51	0.36	– –
MM74HCT32M	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 101-3994●	1.01	0.77	0.58	0.37	– –
MM74HCT32N.	FCH	14	DIL	Quad 2 Input Positive OR Gate	382-802▲‡	0.88	0.66	0.50	0.37	– –
MM74HCT32N	FCH	14	DIL	Quad 2 Input Positive OR Gate	101-3995●	1.05	0.75	0.56	0.38	– –
SN74HCT32D	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 959-1974●	0.89	0.69	0.47	0.32	– –
SN74HCT32NG4	TI	14	DIL	Quad 2 Input Positive OR Gate	959-1982●	1.82	1.45	1.14	0.79	– –

Prices are in Singapore Dollars and exclusive of GST.
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C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
					MIXED QUANTITY PRICING					
74HCT74D.	PS	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD489-487‡	0.72	0.58	0.43	0.29	– –
74HCT74D	PS	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD108-5304●	0.72	0.60	0.45	0.30	– –
74HCT74N	PS	14	DIL	Dual D Type Edge Triggered Flip/Flop	381-901●	0.91	0.73	0.55	0.37	– –
CD74HCT74E..	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	381-172	0.83	0.64	0.44	0.30	– –
CD74HCT74E	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	110-5969●	1.25	0.90	0.67	0.45	– –
CD74HCT74M	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD539-284	0.94	0.67	0.50	0.34	– –
CD74HCT74ME4	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD121-4442●	0.94	0.67	0.50	0.34	– –
MC74HCT74ANG	ON	14	DIL	4-bit D Latch	966-6087●	1.14	0.88	0.66	0.42	– –
MM74HCT74M..	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD382-826▲‡	0.89	0.71	0.54	0.37	– –
MM74HCT74M	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD101-3996●	1.06	0.81	0.61	0.39	– –
MM74HCT74N..	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	382-838▲‡	1.00	0.80	0.60	0.42	– –
MM74HCT74N	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	101-3997●	1.19	0.91	0.68	0.43	– –
SN74HCT74D	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD959-2121●	0.89	0.69	0.47	0.32	– –
SN74HCT74NG4	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	959-2130●	1.81	1.44	1.13	0.79	– –
74HCT85N	PS	16	DIL	4 Bit Magnitude Comparator	381-925●	1.21	0.97	0.73	0.49	– –
74HCT86D.	PS	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD489-499‡	0.84	0.67	0.50	0.34	– –
74HCT86D	PS	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD108-5305●	0.86	0.69	0.52	0.35	– –
74HCT86N	PS	14	DIL	Quad 2-Input Exclusive OR Gate	120-1280●	1.06	0.85	0.64	0.42	– –
CD74HCT86E..	TI	14	DIL	Quad 2-Input Exclusive OR Gate	381-202	1.27	0.97	0.73	0.46	– –
CD74HCT86E	TI	14	DIL	Quad 2-Input Exclusive OR Gate	110-5970●	1.41	1.01	0.76	0.51	– –
CD74HCT86M.	TI	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD539-296	0.78	0.60	0.41	0.28	– –
CD74HCT86M	TI	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD110-3133●	1.25	0.90	0.67	0.45	– –
74HCT107N	PS	14	DIL	Dual J-K Master Slave Flip/Flop	381-950●	1.13	0.90	0.68	0.45	– –
74HCT109N	PS	16	DIL	Dual J-K Positive Edge Triggered Flip/Flop	381-962●	1.13	0.90	0.68	0.45	– –
74HCT112N	PS	16	DIL	Dual J-K Negative Edge Triggered Flip/Flop	381-974●	1.25	1.00	0.75	0.50	– –
74HCT123D.	PS	16	SOIC	Dual One Shot Multivibrator	SMD489-505‡	1.21	0.97	0.73	0.49	– –
74HCT123D	PS	16	SOIC	Dual One Shot Multivibrator	SMD108-5306●	1.25	1.00	0.75	0.50	– –
74HCT123N	PS	16	DIL	Dual One Shot Multivibrator	381-986●	1.17	0.95	0.71	0.48	– –
CD74HCT123E..	TI	16	DIL	Dual One Shot Multivibrator	381-226	1.23	0.94	0.71	0.45	– –
CD74HCT123E	TI	16	DIL	Dual One Shot Multivibrator	110-5971●	1.03	0.74	0.56	0.37	– –
CD74HCT123M..	TI	16	SOIC	Dual One Shot Multivibrator	SMD539-302	0.84	0.65	0.44	0.30	– –
CD74HCT123M	TI	16	SOIC	Dual One Shot Multivibrator	SMD110-3134●	0.94	0.67	0.50	0.34	– –
74HCT125D	PS	14	SOIC	Tri-State Quad Buffer	SMD120-1306●	1.03	0.82	0.62	0.41	– –
74HCT125N	PS	14	DIL	Tri-State Quad Buffer	381-998●	1.00	0.80	0.60	0.40	– –
CD74HCT125E..	TI	14	DIL	Tri-State Quad Buffer	381-238	1.03	0.79	0.59	0.37	– –
CD74HCT125E	TI	14	DIL	Tri-State Quad Buffer	110-5973●	1.41	1.01	0.76	0.51	– –
CD74HCT125M.	TI	14	SOIC	Tri-State Quad Buffer	SMD539-314	0.94	0.67	0.50	0.34	– –
CD74HCT125M	TI	14	SOIC	Tri-State Quad Buffer	SMD110-3135●	1.25	0.90	0.67	0.45	– –
SN74HCT125D	TI	14	SOIC	Tri-State Quad Buffer	SMD959-1800●	1.08	0.82	0.62	0.39	– –
CD74HCT126E.	TI	14	DIL	Tri-State Quad Buffer	381-240	1.03	0.79	0.59	0.38	– –
CD74HCT126E	TI	14	DIL	Tri-State Quad Buffer	110-5974●	1.03	0.74	0.56	0.37	– –
74HCT132D.	PS	14	SOIC	Quad Schmitt Trigger	SMD489-529‡	0.90	0.72	0.54	0.36	– –
74HCT132D	PS	14	SOIC	Quad Schmitt Trigger	SMD108-5307●	0.92	0.74	0.55	0.37	– –
74HCT132N	PS	14	DIL	Quad Schmitt Trigger	382-012●	1.09	0.87	0.65	0.43	– –
CD74HCT132E..	TI	14	DIL	Quad Schmitt Trigger	381-251	1.23	0.89	0.66	0.45	– –
CD74HCT132E	TI	14	DIL	Quad Schmitt Trigger	110-5975●	1.03	0.74	0.56	0.37	– –
CD74HCT132M..	TI	14	SOIC	Quad Schmitt Trigger	SMD539-326	1.23	0.89	0.66	0.45	– –
CD74HCT132M	TI	14	SOIC	Quad Schmitt Trigger	SMD110-3136●	0.94	0.67	0.50	0.34	– –
74HCT138D	PS	16	SOIC	Expandable 3/8 Decoder	SMD120-1307●	0.98	0.78	0.59	0.39	– –
74HCT138N	PS	16	DIL	Expandable 3/8 Decoder	382-024●	1.14	0.91	0.69	0.46	– –
CD74HCT138E	TI	16	DIL	Expandable 3/8 Decoder	110-5976●	1.41	1.01	0.76	0.51	– –
CD74HCT138M.	TI	16	SOIC	Expandable 3/8 Decoder	SMD539-338	1.06	0.81	0.61	0.39	– –
CD74HCT138M	TI	16	SOIC	Expandable 3/8 Decoder	SMD110-3137●	1.25	0.90	0.67	0.45	– –
M74HCT138B1R.	ST	16	DIL	Expandable 3/8 Decoder	311-1362▲‡	1.28	0.91	0.73	0.57	– –
M74HCT138B1R	ST	16	DIL	Expandable 3/8 Decoder	975-5403●	1.28	0.91	0.73	0.57	– –
MC74HCT138ANG	ON	16	DIL	3-8 Line decoder/Multiplexer	966-6060●	1.37	0.98	0.74	0.49	– –
MM74HCT138M..	FCH	16	SOIC	Expandable 3/8 Decoder	SMD382-851▲‡	1.16	0.87	0.65	0.48	– –
MM74HCT138M	FCH	16	SOIC	Expandable 3/8 Decoder	SMD101-3998●	1.37	0.98	0.74	0.49	– –
MM74HCT138N	FCH	16	DIL	Expandable 3/8 Decoder	101-3999●	1.37	0.98	0.74	0.49	– –
SN74HCT138D	TI	16	SOIC	Expandable 3/8 Decoder	SMD959-1818●	1.08	0.82	0.62	0.39	– –
SN74HCT138NG4	TI	16	DIL	Expandable 3/8 Decoder	959-1826●	2.28	1.81	1.42	0.99	– –
74HCT139D.	PS	16	SOIC	Dual 2 to 4 Decoder Demultiplexer	SMD489-566‡	0.95	0.76	0.57	0.38	– –
74HCT139D	PS	16	SOIC	Dual 2 to 4 Decoder Demultiplexer	SMD108-5308●	0.98	0.78	0.59	0.39	– –
74HCT139N	PS	16	DIL	Dual 2 to 4 Decoder Demultiplexer	382-036●	1.14	0.91	0.69	0.46	– –
CD74HCT139E..	TI	16	DIL	Dual 2 to 4 Decoder Demultiplexer	381-287	0.88	0.67	0.50	0.32	– –
CD74HCT139E	TI	16	DIL	Dual 2 to 4 Decoder Demultiplexer	110-5977●	1.41	1.01	0.76	0.51	– –
SN74HCT139D	TI	16	SOIC	Dual 2 to 4 Decoder Demultiplexer	SMD959-1834●	1.08	0.82	0.62	0.39	– –
74HCT151D	PS	16	SOIC	8 Line Multiplexer	SMD108-5309●	1.68	1.34	1.01	0.67	– –
74HCT151N	PS	16	DIL	8 Line Multiplexer	382-050●	1.55	1.24	0.93	0.62	– –
74HCT153N	PS	16	DIL	Dual 4 Input Multiplexer	382-061●	1.55	1.24	0.93	0.62	– –
74HCT154N	PS	24	DIL	4 Line to 16 Line Decoder Demultiplexer	382-073●	3.62	2.90	2.17	1.52	– –
74HCT157D	PS	16	SOIC	Quad 2 Input Multiplexer	SMD120-1308●	1.68	1.34	1.01	0.67	– –
74HCT157N	PS	16	DIL	Quad 2 Input Multiplexer	121-1738●	1.60	1.28	0.96	0.64	– –
CD74HCT157M	TI	16	SOIC	Quad 2 Input Multiplexer	SMD539-351	1.25	0.90	0.67	0.45	– –
CD74HCT157ME4	TI	16	SOIC	Quad 2 Input Multiplexer	SMD121-4443●	1.25	0.90	0.67	0.45	– –
SN74HCT157D	TI	16	SOIC	Quad 2 Input Multiplexer	SMD959-1869●	1.09	0.79	0.59	0.40	– –
74HCT161D	PS	16	SOIC	Synchronous 4 Bit Binary Counter	SMD108-5312●	1.62	1.29	0.97	0.65	– –
74HCT161N	PS	16	DIL	Synchronous 4 Bit Binary Counter	382-115●	1.50	1.20	0.90	0.60	– –
CD74HCT163E.	TI	16	DIL	Binary Synchronous 4 Bit Counter	381-329	1.02	0.78	0.58	0.37	– –
CD74HCT163E	TI	16	DIL	Binary Synchronous 4 Bit Counter	110-5979●	1.03	0.74	0.56	0.37	– –
74HCT164N	PS	14	DIL	8 Bit Serial In/Parallel Out Shift Register	120-1282●	1.09	0.88	0.66	0.44	– –
CD74HCT164E	TI	14	DIL	8 Bit Serial In/Parallel Out Shift Register	110-5981●	1.03	0.74	0.56	0.37	– –
CD74HCT164M	TI	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD539-363	0.94	0.67	0.50	0.34	– –
CD74HCT164ME4	TI	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD121-4444●	0.94	0.67	0.50	0.34	– –
MM74HCT164M	FCH	14	SOIC	8 Bit Serial In/Parallel Out Shift Register	SMD101-3875●	1.77	1.27	0.95	0.64	– –
MM74HCT164N.	FCH	14	DIL	8 Bit Serial In/Parallel Out Shift Register	354-8958▲‡	1.10	0.83	0.62	0.46	– –
MM74HCT164N	FCH	14	DIL	8 Bit Serial In/Parallel Out Shift Register	101-3872●	1.30	0.94	0.70	0.47	– –
74HCT165D	PS	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD120-1266●	1.06	0.88	0.66	0.44	– –
74HCT165N	PS	16	DIL	8 Bit Parallel In/Serial Out Shift Register	382-140●	1.06	0.85	0.64	0.43	– –
CD74HCT165E..	TI	16	DIL	8 Bit Parallel In/Serial Out Shift Register	381-342	1.00	0.76	0.57	0.36	– –
CD74HCT165E	TI	16	DIL	8 Bit Parallel In/Serial Out Shift Register	110-5982●	1.03	0.74	0.56	0.37	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
CD74HCT165M.	TI	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD 539-375	1.19	0.85	0.64	0.43	– –
CD74HCT165M	TI	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	SMD 110-3138●	0.94	0.67	0.50	0.34	– –
74HCT166N	PS	16	DIL	8 Bit Parallel In/Serial Out Shift Register	382-152●	1.55	1.24	0.93	0.62	– –
CD74HCT174E..	TI	16	DIL	Hex D Type Flip/Flop with Clear	381-354	1.01	0.77	0.58	0.37	– –
CD74HCT174E	TI	16	DIL	Hex D Type Flip/Flop with Clear	110-5983●	1.03	0.74	0.56	0.37	– –
CD74HCT174M.	TI	16	SOIC	Hex D Type Flip/Flop with Clear	SMD 539-387	1.15	0.82	0.62	0.41	– –
CD74HCT174M	TI	16	SOIC	Hex D Type Flip/Flop with Clear	SMD 110-3139●	0.94	0.67	0.50	0.34	– –
CD74HCT175E..	TI	16	DIL	Quad D Type Edge Triggered Flip/Flop	381-366	1.34	0.96	0.72	0.48	– –
CD74HCT175E	TI	16	DIL	Quad D Type Edge Triggered Flip/Flop	110-5984●	1.03	0.74	0.56	0.37	– –
74HCT193N	PS	16	DIL	Synchronous Binary Up/Down Counter	382-218●	1.47	1.18	0.88	0.62	– –
74HCT221D.	PS	16	SOIC	Dual Monostable Multivibrator with Clear	SMD 489-645‡	2.14	1.71	1.29	0.86	– –
74HCT221D	PS	16	SOIC	Dual Monostable Multivibrator with Clear	SMD 108-5313●	2.21	1.77	1.32	0.88	– –
74HCT221N	PS	16	DIL	Dual Monostable Multivibrator with Clear	120-1283●	2.02	1.66	1.37	– –	– –
74HCT238N	PS	16	DIL	3 to 8 Line Non-Inverting Decoder	382-231●	1.50	1.20	0.90	0.63	– –
CD74HCT238M.	TI	16	SOIC	3 to 8 Line Non-Inverting Decoder	SMD 539-417	1.06	0.81	0.61	0.39	– –
CD74HCT238M	TI	16	SOIC	3 to 8 Line Non-Inverting Decoder	SMD 121-2768●	1.17	0.84	0.63	0.42	– –
74HCT240N	PS	20	DIL	Octal Tri-State Inverter Buffer	382-243●	0.88	0.70	0.53	0.35	– –
MM74HCT240N.	FCH	20	DIL	Octal Tri-State Inverter Buffer	382-991▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT240N	FCH	20	DIL	Octal Tri-State Inverter Buffer	101-4000●	1.77	1.27	0.95	0.64	– –
MM74HCT240WM..	FCH	20	SOIC	Octal Tri-State Inverter Buffer	SMD 354-9008▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT240WM	FCH	20	SOIC	Octal Tri-State Inverter Buffer	SMD 101-3878●	1.77	1.27	0.95	0.64	– –
SN74HCT240DW	TI	20	SOIC	Octal Tri-State Inverter Buffer	SMD 959-1877●	1.17	0.84	0.63	0.42	– –
SN74HCT240NG4	TI	20	DIL	Octal Tri-State Inverter Buffer	959-1885●	2.78	2.22	1.74	1.21	– –
74HCT241N	PS	20	DIL	Octal Tri-State Buffer	120-1284●	0.90	0.72	0.54	0.36	– –
74HCT244D.	PS	20	SOIC	Octal Tri-State Buffer	SMD 489-669	1.10	0.88	0.66	0.44	– –
74HCT244D	PS	20	SOIC	Octal Tri-State Buffer	SMD 108-5314●	1.14	0.91	0.68	0.46	– –
74HCT244N	PS	20	DIL	Octal Tri-State Buffer	382-267●	1.10	0.88	0.66	0.44	– –
CD74HCT244E..	TI	20	DIL	Octal Tri-State Buffer	381-421	1.34	0.96	0.72	0.49	– –
CD74HCT244E	TI	20	DIL	Octal Tri-State Buffer	110-5985●	1.88	1.35	1.01	0.68	– –
CD74HCT244M..	TI	20	SOIC	Octal Tri-State Buffer	SMD 539-430	1.10	0.85	0.63	0.40	– –
CD74HCT244M	TI	20	SOIC	Octal Tri-State Buffer	SMD 110-3140●	1.49	1.07	0.80	0.54	– –
M74HCT244B1R.	ST	20	DIL	Octal Tri-State Buffer	311-1398▲	1.80	1.29	1.03	0.80	– –
MM74HCT244N..	FCH	20	DIL	Octal Tri-State Buffer	383-016▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT244N	FCH	20	DIL	Octal Tri-State Buffer	101-4001●	1.77	1.27	0.95	0.64	– –
MM74HCT244WM..	FCH	20	SOIC	Octal Tri-State Buffer	SMD 383-028▲‡	2.04	1.70	1.36	1.02	– –
MM74HCT244WM	FCH	20	SOIC	Octal Tri-State Buffer	SMD 101-4002●	2.42	1.93	1.51	1.05	– –
SN74HCT244DW	TI	20	SOIC	Octal Tri-State Buffer	SMD 959-1893●	1.17	0.84	0.63	0.42	– –
SN74HCT244NG4	TI	20	DIL	Octal Tri-State Buffer	959-1907●	2.90	2.31	1.81	1.26	– –
SN74HCT244PW	TI	20	TSSOP	Octal Tri-State Buffer	SMD 959-1915●	1.17	0.84	0.63	0.42	– –
MC74HCT245ANG	ON	20	DIL	Octal Tri-State Transceiver	119-1836●	1.76	1.40	1.20	0.78	– –
74HCT245D.	PS	20	SOIC	Octal Tri-State Transceiver	SMD 489-670	1.10	0.88	0.66	0.44	– –
74HCT245D	PS	20	SOIC	Octal Tri-State Transceiver	SMD 108-5315●	1.14	0.91	0.68	0.46	– –
74HCT245N	PS	20	DIL	Octal Tri-State Transceiver	382-279●	1.06	0.88	0.66	0.44	– –
CD74HCT245E..	TI	20	DIL	Octal Tri-State Transceiver	381-433	1.61	1.15	0.87	0.58	– –
CD74HCT245E	TI	20	DIL	Octal Tri-State Transceiver	110-5986●	1.88	1.35	1.01	0.68	– –
CD74HCT245M..	TI	20	SOIC	Octal Tri-State Transceiver	SMD 539-442	1.15	0.88	0.66	0.42	– –
CD74HCT245M	TI	20	SOIC	Octal Tri-State Transceiver	SMD 110-3141●	1.49	1.07	0.80	0.54	– –
MC74HCT273ANG	ON	20	DIL	Octal D Type Flip/Flop with Clear	119-1837●	1.56	1.37	1.20	0.78	– –
MM74HCT245N..	FCH	20	DIL	Octal Tri-State Transceiver	383-030▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT245N	FCH	20	DIL	Octal Tri-State Transceiver	101-4003●	1.77	1.27	0.95	0.64	– –
MM74HCT245WM..	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 383-041▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT245WM	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 101-4004●	1.77	1.27	0.95	0.64	– –
SN74HCT245DW	TI	20	SOIC	Octal Tri-State Transceiver	SMD 959-1923●	1.17	0.84	0.63	0.42	– –
SN74HCT245NG4	TI	20	DIL	Octal Tri-State Transceiver	959-1931●	2.84	2.27	1.78	1.24	– –
74HCT257N	PS	16	DIL	Tri-State Quad 2 Input Multiplexer	382-280●	1.38	1.10	0.83	0.55	– –
CD74HCT259E	TI	16	DIL	8 Bit Addressable Latch	381-445	1.17	0.87	0.65	0.44	– –
CD74HCT259EE4	TI	16	DIL	8 Bit Addressable Latch	121-4402●	1.17	0.86	0.65	0.43	– –
CD74HCT259M	TI	16	SOIC	8 Bit Addressable Latch	SMD 958-9600●	1.09	0.79	0.59	0.40	– –
74HCT273N	PS	20	DIL	Octal D Type Flip/Flop with Clear	382-309●	1.10	0.88	0.66	0.44	– –
CD74HCT273E..	TI	20	DIL	Octal D Type Flip/Flop with Clear	381-457	1.14	0.88	0.66	0.42	– –
CD74HCT273E	TI	20	DIL	Octal D Type Flip/Flop with Clear	110-5987●	1.88	1.35	1.01	0.68	– –
CD74HCT273M..	TI	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 539-466	0.99	0.71	0.53	0.36	– –
CD74HCT273M	TI	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 110-3142●	1.49	1.07	0.80	0.54	– –
MM74HCT273N.	FCH	20	DIL	Octal D Type Flip/Flop with Clear	383-089▲‡	0.90	0.67	0.50	0.37	– –
MM74HCT273N	FCH	20	DIL	Octal D Type Flip/Flop with Clear	101-4005●	1.06	0.76	0.57	0.38	– –
MM74HCT273WM..	FCH	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 354-8995▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT273WM	FCH	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 101-3876●	1.77	1.27	0.95	0.64	– –
SN74HCT273DW	TI	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 959-1940●	1.09	0.79	0.59	0.40	– –
SN74HCT273NG4	TI	20	DIL	Octal D Type Flip/Flop with Clear	959-1958●	2.59	2.06	1.62	1.12	– –
SN74HCT273PW	TI	20	TSSOP	Octal D Type Flip/Flop with Clear	SMD 959-1966●	1.09	0.79	0.59	0.40	– –
74HCT367N	PS	16	DIL	Tri-State Hex Buffer	382-346●	1.47	1.18	0.88	0.62	– –
74HCT373N	PS	20	DIL	Tri-State Octal Transparent Latch	382-358●	1.06	0.88	0.66	0.44	– –
CD74HCT373E..	TI	20	DIL	Tri-State Octal Transparent Latch	381-500	1.34	0.96	0.72	0.49	– –
CD74HCT373E	TI	20	DIL	Tri-State Octal Transparent Latch	110-5988●	1.88	1.35	1.01	0.68	– –
CD74HCT373M.	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 539-478	0.98	0.75	0.56	0.36	– –
CD74HCT373M	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 110-3144●	1.49	1.07	0.80	0.54	– –
MC74HCT373AN	ON	20	DIL	Tri-State Octal Transparent Latch	701-750▲	1.55	1.11	0.83	0.56	– –
MM74HCT373N..	FCH	20	DIL	Tri-State Octal Transparent Latch	383-107▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT373N	FCH	20	DIL	Tri-State Octal Transparent Latch	101-4007●	1.77	1.27	0.95	0.64	– –
MM74HCT373WM..	FCH	20	SOIC	Tri-State Octal Transparent Latch	SMD 383-119▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT373WM	FCH	20	SOIC	Tri-State Octal Transparent Latch	SMD 101-4008●	1.77	1.27	0.95	0.64	– –
SN74HCT373DW	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 959-1990●	1.17	0.84	0.63	0.42	– –
SN74HCT373NG4	TI	20	DIL	Tri-State Octal Transparent Latch	959-2008●	2.83	2.25	1.77	1.23	– –
74HCT374D	PS	20	SOIC	Tri-State Octal D Flip/Flop	SMD 108-5316●	1.14	0.91	0.68	0.46	– –
74HCT374N	PS	20	DIL	Tri-State Octal D Flip/Flop	382-360●	1.10	0.88	0.66	0.44	– –
CD74HCT374E..	TI	20	DIL	Tri-State Octal D Flip/Flop	381-512	1.08	0.77	0.58	0.39	– –
CD74HCT374E	TI	20	DIL	Tri-State Octal D Flip/Flop	110-5989●	1.88	1.35	1.01	0.68	– –
MM74HCT374N	FCH	20	DIL	Tri-State Octal D Flip/Flop	101-4009●	1.77	1.27	0.95	0.64	– –
MM74HCT374WM..	FCH	20	SOIC	Tri-State Octal D Flip/Flop	SMD 383-132▲‡	1.50	1.12	0.84	0.62	– –
MM74HCT374WM	FCH	20	SOIC	Tri-State Octal D Flip/Flop	SMD 101-4010●	1.77	1.27	0.95	0.64	– –
SN74HCT374DW	TI	20	SOIC	Tri-State Octal D Flip/Flop	SMD 959-2016●	1.17	0.84	0.63	0.42	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
SN74HCT374NG4	TI	20	DIL	Tri-State Octal D Flip/Flop	959-2024●	2.78	2.22	1.74	1.21	– –
74HCT393D	PS	14	SOIC	Dual 4 Bit Binary Ripple Counter	SMD 108-5317●	1.55	1.24	0.93	0.62	– –
74HCT393N	PS	14	DIL	Dual 4 Bit Binary Ripple Counter	382-395●	1.44	1.15	0.86	0.58	– –
CD74HCT393E..	TI	14	DIL	Dual 4 Bit Binary Ripple Counter	381-548	1.02	0.82	0.61	0.39	– –
CD74HCT393E	TI	14	DIL	Dual 4 Bit Binary Ripple Counter	110-5990●	1.02	0.73	0.55	0.37	– –
74HCT540D.	PS	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 492-073‡	1.07	0.86	0.64	0.43	– –
74HCT540D	PS	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 108-5318●	1.10	0.88	0.66	0.44	– –
74HCT540N	PS	20	DIL	Octal Buffer and Line DR/RX Inverted	382-413●	1.06	0.85	0.64	0.43	– –
CD74HCT540E.	TI	20	DIL	Octal Buffer and Line DR/RX Inverted	381-573	1.52	1.22	0.97	0.66	– –
CD74HCT540E	TI	20	DIL	Octal Buffer and Line DR/RX Inverted	110-5992●	1.88	1.35	1.01	0.68	– –
MM74HCT540N.	FCH	20	DIL	Octal Buffer and Line DR/RX Inverted	383-156▲‡	1.68	1.40	1.12	0.84	– –
MM74HCT540N	FCH	20	DIL	Octal Buffer and Line DR/RX Inverted	101-4011●	1.99	1.59	1.25	0.87	– –
MM74HCT540WM	FCH	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 101-3879●	1.57	1.25	1.00	0.68	– –
SN74HCT540DW	TI	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 959-2032●	1.09	0.79	0.59	0.40	– –
SN74HCT540NG4	TI	20	DIL	Octal Buffer and Line DR/RX Inverted	959-2040●	2.34	1.87	1.47	1.02	– –
74HCT541D.	PS	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 492-085‡	0.94	0.75	0.57	0.38	– –
74HCT541D	PS	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 108-5319●	0.97	0.78	0.58	0.39	– –
74HCT541N	PS	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	382-425●	0.93	0.76	0.57	0.38	– –
CD74HCT541E..	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	381-585	1.49	1.07	0.80	0.54	– –
CD74HCT541E	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	110-5993●	1.88	1.35	1.01	0.68	– –
MM74HCT541N.	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	383-168▲‡	1.43	1.19	0.95	0.71	– –
MM74HCT541N	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	101-4012●	1.69	1.35	1.08	0.74	– –
MM74HCT541WM..	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 383-170▲‡	1.43	1.19	0.95	0.71	– –
MM74HCT541WM	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 101-4013●	1.69	1.35	1.08	0.74	– –
SN74HCT541DW	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 959-2059●	1.09	0.79	0.59	0.40	– –
SN74HCT541NG4	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	959-2067●	2.62	2.09	1.64	1.14	– –
SN74HCT541PW	TI	20	TSSOP	Octal Buffer and Line DR/RX Non-Inverting	SMD 959-2075●	1.09	0.79	0.59	0.40	– –
CD74HCT563M	TI	20	SOIC	74HCT, High-Speed CMOS Logic Octal Inverting-Transparent Latch, Three-State Outputs	SMD 838-9136●	1.17	0.84	0.63	0.42	– –
74HCT573D	PS	20	SOIC	Octal D Type Latches	SMD 120-1309●	0.97	0.78	0.58	0.39	– –
74HCT573N	PS	20	DIL	Octal D Type Latches	382-449●	0.95	0.76	0.57	0.38	– –
CD74HCT573E..	TI	20	DIL	Octal D Type Latches	381-597	1.52	1.09	0.82	0.55	– –
CD74HCT573E	TI	20	DIL	Octal D Type Latches	110-5994●	1.88	1.35	1.01	0.68	– –
CD74HCT573M..	TI	20	SOIC	Octal D Type Latches	SMD 539-521	1.12	0.86	0.65	0.41	– –
CD74HCT573M	TI	20	SOIC	Octal D Type Latches	SMD 110-3145●	1.49	1.07	0.80	0.54	– –
M74HCT573B1R.	ST	20	DIL	Octal D Type Latches	311-1404▲	1.29	0.93	0.74	0.58	– –
M74HCT573B1R	ST	20	DIL	Octal D Type Latches	109-4314●	1.29	0.93	0.74	0.58	– –
MC74HCT573ANG	ON	20	DIL	Octal D Type Latches	119-1838●	1.76	1.43	1.14	0.94	– –
MM74HCT573N..	FCH	20	DIL	Octal D Type Latches	572-263▲‡	1.11	0.87	0.68	0.46	– –
MM74HCT573N	FCH	20	DIL	Octal D Type Latches	101-4077●	1.30	0.94	0.70	0.47	– –
MM74HCT573WM	FCH	20	SOIC	Octal D Type Latches	SMD 101-4076●	1.63	1.30	1.04	0.71	– –
SN74HCT573DW	TI	20	SOIC	Octal D Type Latches	SMD 959-2083●	1.17	0.84	0.63	0.42	– –
SN74HCT573NG4	TI	20	DIL	Octal D Type Latches	959-2091●	2.93	2.33	1.83	1.27	– –
74HCT574D	PS	20	SOIC	Octal D Type Flip/Flop	SMD 108-5320●	0.97	0.78	0.58	0.39	– –
74HCT574N	PS	20	DIL	Octal D Type Flip/Flop	382-450●	0.95	0.76	0.57	0.38	– –
CD74HCT574E..	TI	20	DIL	Octal D Type Flip/Flop	381-603	1.65	1.18	0.89	0.60	– –
CD74HCT574E	TI	20	DIL	Octal D Type Flip/Flop	110-5995●	1.88	1.35	1.01	0.68	– –
CD74HCT574M.	TI	20	SOIC	Octal D Type Flip/Flop	SMD 539-533	1.14	0.88	0.66	0.42	– –
CD74HCT574M	TI	20	SOIC	Octal D Type Flip/Flop	SMD 110-3146●	1.49	1.07	0.80	0.54	– –
MC74HCT574AN	ON	20	DIL	Octal D Type Flip/Flop	701-786▲	1.67	1.19	0.89	0.60	– –
MM74HCT574N..	FCH	20	DIL	Octal D Type Flip/Flop	383-181▲‡	1.33	1.11	0.88	0.66	– –
MM74HCT574N	FCH	20	DIL	Octal D Type Flip/Flop	101-4014●	1.57	1.25	1.00	0.68	– –
MM74HCT574WM	FCH	20	SOIC	Octal D Type Flip/Flop	SMD 101-4015●	1.57	1.25	1.00	0.68	– –
SN74HCT574DWG4	TI	20	SOIC	Octal D Type Flip/Flop	SMD 959-2105●	2.63	2.10	1.65	1.14	– –
SN74HCT574NG4	TI	20	DIL	Octal D Type Flip/Flop	959-2113●	2.78	2.22	1.74	1.21	– –
74HCT640N	PS	20	DIL	Octal Bus Transceiver	382-474●	2.59	2.07	1.55	1.09	– –
74HCT688D.	PS	20	SOIC	8 Bit Magnitude Comparator	SMD 492-115‡	1.83	1.47	1.10	0.73	– –
74HCT688D	PS	20	SOIC	8 Bit Magnitude Comparator	SMD 108-5321●	1.89	1.51	1.13	0.76	– –
74HCT688N	PS	20	DIL	8 Bit Magnitude Comparator	382-504●	1.85	1.48	1.11	0.78	– –
CD74HCT688M.	TI	20	SOIC	8 Bit Magnitude Comparator	SMD 539-557	1.67	1.20	0.90	0.60	– –
CD74HCT688M	TI	20	SOIC	8 Bit Magnitude Comparator	SMD 110-3147●	1.56	1.12	0.84	0.56	– –
74HCT4040N	PS	16	DIL	12 Bit Binary Ripple Counter/Divider	382-553●	1.47	1.18	0.88	0.62	– –
CD74HCT4040M.	TI	16	SOIC	12 Bit Binary Ripple Counter/Divider	SMD 539-570	1.22	0.88	0.66	0.44	– –
74HCT4046AD.	PS	16	SOIC	Phase Locked Loop	SMD 492-139‡	2.38	1.90	1.43	0.95	– –
CD74HCT4040M	TI	16	SOIC	12 Bit Binary Ripple Counter/Divider	SMD 110-3148●	1.25	0.90	0.67	0.45	– –
74HCT4046AD	PS	16	SOIC	Phase Locked Loop	SMD 108-5322●	2.45	1.96	1.47	0.98	– –
74HCT4046AN	PS	16	DIL	Phase Locked Loop	382-565●	2.38	1.90	1.43	1.00	– –
CD74HCT4046AM	TI	16	SOIC	74HCT, High Speed CMOS Logic Phase-Locked-Loop with VCO	SMD 749-4117●	0.68	0.56	0.44	– –	– –
74HCT4051D.	PS	16	SOIC	Single 8 Channel Multiplexer	SMD 492-140‡	1.07	0.86	0.64	0.43	– –
74HCT4051D	PS	16	SOIC	Single 8 Channel Multiplexer	SMD 108-5324●	1.10	0.88	0.66	0.44	– –
74HCT4051N	PS	16	DIL	Single 8 Channel Multiplexer	382-577●	1.06	0.85	0.64	0.43	– –
74HCT4053D.	PS	16	SOIC	Triple 2 Channel Multiplexer	SMD 492-152‡	1.07	0.86	0.64	0.43	– –
74HCT4053D	PS	16	SOIC	Triple 2 Channel Multiplexer	SMD 108-5325●	1.10	0.88	0.66	0.44	– –
74HCT4053N	PS	16	DIL	Triple 2 Channel Multiplexer	382-590●	1.06	0.85	0.64	0.43	– –
CD74HCT4053M.	TI	16	SOIC	Triple 2 Channel Multiplexer	SMD 539-582	0.89	0.68	0.51	0.32	– –
CD74HCT4053M	TI	16	SOIC	Triple 2 Channel Multiplexer	SMD 110-3149●	0.98	0.75	0.56	0.36	– –
74HCT4060N	PS	16	DIL	14 Stage Ripple Carry Binary Counter	382-607●	1.47	1.18	0.88	0.62	– –
74HCT4066D	PS	14	SOIC	Quad Bi-Lateral Switch	SMD 120-1271●	1.21	0.97	0.72	0.48	– –
74HCT4066N	PS	14	DIL	Quad Bi-Lateral Switch	120-1285●	1.18	0.95	0.71	0.47	– –
CD74HCT4066M.	TI	14	SOIC	Quad Bi-Lateral Switch	SMD 539-594	0.97	0.75	0.51	0.35	– –
CD74HCT4066M	TI	14	SOIC	Quad Bi-Lateral Switch	SMD 110-3150●	1.33	0.95	0.72	0.48	– –
74HCT4094D.	PS	16	SOIC	8 Bit Shift Register/Latch	SMD 492-164‡	1.07	0.86	0.64	0.43	– –
74HCT4094D	PS	16	SOIC	8 Bit Shift Register/Latch	SMD 108-5326●	1.10	0.88	0.66	0.44	– –
74HCT4094N	PS	16	DIL	8 Bit Shift Register/Latch	382-632●	1.06	0.85	0.64	0.43	– –
74HCT4511N	PS	16	DIL	BCD to 7 Segment Decoder Driver	382-668●	2.35	1.88	1.41	0.99	– –
74HCT4538N	PS	16	DIL	Dual Monostable Multivibrator	382-693●	1.70	1.36	1.02	0.71	– –
CD74HCT4538M.	TI	16	SOIC	Dual Monostable Multivibrator	SMD 539-600	1.88	1.35	1.01	0.68	– –
CD74HCT4538M	TI	16	SOIC	Dual Monostable Multivibrator	SMD 110-3151●	1.41	1.01	0.76	0.51	– –
CD74HCT7046AE.	TI	16	DIL	Phase Locked Loop	381-743	3.37	2.58	1.90	1.64	– –
CD74HCT7046AE	TI	16	DIL	Phase Locked Loop	110-5996●	3.62	2.77	2.04	1.76	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1390 Date: 21-08-06 time: 23:21

74AHC Advanced High Speed CMOS Logic

NEW

TEXAS INSTRUMENTS

411409

Function	Mftrs. List No.	Mftr.	Pins	Pkg	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
Quad 2 Input NAND Gate	SN74AHC00D	TI	14	SOIC	SMD 959-0439	0.89	0.69	0.47
Quad 2 Input NAND Gate	SN74AHC00PW	TI	14	TSSOP	SMD 959-0447	0.89	0.69	0.47
Quad 2 Input Positive NOR Gate	SN74AHC02PW	TI	14	TSSOP	SMD 959-0455	0.89	0.69	0.47
Quad 2 Input Positive AND Gate	SN74AHC08PW	TI	14	TSSOP	SMD 959-0463	0.89	0.69	0.47
Hex Schmitt Trigger	SN74AHC14D	TI	14	SOIC	SMD 959-0501	0.89	0.69	0.47
Hex Schmitt Trigger	SN74AHC14PW	TI	14	TSSOP	SMD 959-0510	0.89	0.69	0.47
Quad 2 Input Positive OR Gate	SN74AHC32D	TI	14	SOIC	SMD 959-0552	0.89	0.69	0.47
Quad 2 Input Positive OR Gate	SN74AHC32PW	TI	14	TSSOP	SMD 959-0560	0.89	0.69	0.47
Dual D Type Edge Triggered Flip/Flop	SN74AHC74PW	TI	14	TSSOP	SMD 959-0609	0.89	0.69	0.47
Quad Schmitt Trigger	SN74AHC132PW	TI	14	TSSOP	SMD 959-0471	1.08	0.82	0.62
Expandable 3/8 Decoder	SN74AHC138PW	TI	16	TSSOP	SMD 959-0480	1.08	0.82	0.62
Dual 2 to 4 Decoder Demultiplexer	SN74AHC139PW	TI	16	TSSOP	SMD 959-0498	1.08	0.82	0.62
Octal Tri-State Buffer	SN74AHC244PW	TI	20	TSSOP	SMD 959-0528	1.17	0.84	0.63
Octal Tri-State Transceiver	SN74AHC245PW	TI	20	TSSOP	SMD 959-0536	0.94	0.67	0.50
Octal D Type Flip/Flop with Clear	SN74AHC273PW	TI	20	TSSOP	SMD 959-0544	1.09	0.79	0.59
Data Selector/Multiplexer	SN74AHC541PW	TI	20	TSSOP	SMD 959-0579	1.09	0.79	0.59
Octal D Type Latches	SN74AHC573PW	TI	20	TSSOP	SMD 959-0587	1.17	0.84	0.63
Octal D Type Flip/Flop	SN74AHC574PW	TI	20	TSSOP	SMD 959-0595	1.17	0.84	0.63

74AHCT Advanced High Speed CMOS Logic

NEW

TEXAS INSTRUMENTS

411456

Function	Mftrs. List No.	Mftr.	Pins	Pkg	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
Quad 2 Input Positive AND Gate	SN74AHCT08D	TI	14	SOIC	SMD 959-0617	0.89	0.69	0.47
Quad 2 Input Positive AND Gate	SN74AHCT08PW	TI	14	TSSOP	SMD 959-0625	0.89	0.69	0.47
Hex Schmitt Trigger	SN74AHCT14D	TI	14	SOIC	SMD 959-0668	0.89	0.69	0.47
Hex Schmitt Trigger	SN74AHCT14PW	TI	14	TSSOP	SMD 959-0676	0.89	0.69	0.47
Quad 2 Input Positive OR Gate	SN74AHCT32D	TI	14	SOIC	SMD 959-0730	0.89	0.69	0.47
Quad 2 Input Positive OR Gate	SN74AHCT32PW	TI	14	TSSOP	SMD 959-0749	0.89	0.69	0.47
Dual D Type Edge Triggered Flip/Flop	SN74AHCT74D	TI	14	SOIC	SMD 959-0781	0.89	0.69	0.47
Dual D Type Edge Triggered Flip/Flop	SN74AHCT74PW	TI	14	TSSOP	SMD 959-0790	0.89	0.69	0.47
Tri-State Quad Buffer	SN74AHCT125PW	TI	14	TSSOP	SMD 959-0633	1.08	0.82	0.62
Expandable 3/8 Decoder	SN74AHCT138PW	TI	16	TSSOP	SMD 959-0641	1.08	0.82	0.62
Octal Tri-State Buffer	SN74AHCT244DW	TI	20	SOIC	SMD 959-0692	1.17	0.84	0.63
Octal Tri-State Buffer	SN74AHCT244PW	TI	20	TSSOP	SMD 959-0706	1.17	0.84	0.63
Octal Tri-State Transceiver	SN74AHCT245DW	TI	20	SOIC	SMD 959-0714	1.17	0.84	0.63
Octal Tri-State Transceiver	SN74AHCT245PW	TI	20	TSSOP	SMD 959-0722	1.17	0.84	0.63
Tri-State Octal Transparent Latch	SN74AHCT373PW	TI	20	TSSOP	SMD 959-0757	1.17	0.84	0.63
Octal Buffer and Line DR/RX Non-Inverting	SN74AHCT541PW	TI	20	TSSOP	SMD 959-0765	1.17	0.84	0.63
Octal D Type Latches	SN74AHCT573PW	TI	20	TSSOP	SMD 959-0773	1.17	0.84	0.63
Tri-State Output 16-Bit Bus Transceiver	SN74AHCT16245DLG4	TI	48	SSOP	SMD 959-0684	2.93	2.24	1.65



Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products,
prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1391 Date: 21-08-06 time:23:22

74LCX Low Voltage CMOS Logic (SO)

FAIRCHILD SEMICONDUCTOR

High speed CMOS Low Voltage Logic allowing for interface with 3V and 5V devices, power management, subsystems isolation during power failure and live insertion.

Suffix M=0.150" wide, WM=0.300" wide

413316

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
74LCX00M..	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 111-867▲‡	0.87	0.68	0.51
74LCX00M	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 101-3771●	1.01	0.77	0.58
74LCX02M..	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 111-879▲‡	1.36	1.02	0.77
74LCX02M	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 101-3772●	1.61	1.16	0.87
74LCX04M..	FCH	14	SOIC	Hex Inverter	SMD 111-880▲‡	1.36	1.02	0.77
74LCX04M	FCH	14	SOIC	Hex Inverter	SMD 101-3773●	1.61	1.16	0.87
74LCX08M.	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 111-892▲‡	0.87	0.68	0.51
74LCX08M	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 101-3775●	1.01	0.77	0.58
74LCX14M..	FCH	14	SOIC	Hex Schmitt Trigger	SMD 111-922▲‡	0.89	0.62	0.51
74LCX14M	FCH	14	SOIC	Hex Schmitt Trigger	SMD 101-3778●	0.89	0.70	0.53
74LCX32M..	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 111-983▲‡	0.85	0.68	0.51
74LCX32M	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 101-3784●	1.01	0.77	0.58
74LCX74M..	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 112-057▲‡	0.89	0.62	0.51
74LCX74M	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 101-3791●	0.89	0.70	0.53
74LCX125M	FCH	14	SOIC	Tri-State Quad Buffer	SMD 101-3776●	1.51	1.20	0.96
74LCX138M	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 101-3777●	1.51	1.20	0.96
74LCX157M..	FCH	16	SOIC	Quad 2 Input Multiplexer	SMD 111-934▲‡	1.32	1.06	0.85
74LCX157M	FCH	16	SOIC	Quad 2 Input Multiplexer	SMD 101-3779●	1.51	1.20	0.96
74LCX240WM.	FCH	20	SOIC	Octal Tri-State Inverter Buffer	SMD 111-946▲‡	2.13	1.70	1.28
74LCX240WM	FCH	20	SOIC	Octal Tri-State Inverter Buffer	SMD 101-3780●	2.52	1.93	1.42
74LCX244WM	FCH	20	SOIC	Octal Tri-State Buffer	SMD 101-3781●	2.52	1.93	1.42
74LCX245WM.	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 111-960▲‡	2.13	1.70	1.28
74LCX245WM	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 101-3782●	2.52	1.93	1.42
74LCX257M	FCH	16	SOIC	Tri-State Quad 2 Input Multiplexer	SMD 101-3783●	2.11	1.69	1.32
74LCX373WM	FCH	20	SOIC	Tri-State Octal Transparent Latch	SMD 111-995▲	2.13	1.70	1.28
74LCX374WM	FCH	20	SOIC	Tri-State Octal D Flip/Flop	SMD 101-3785●	2.52	1.93	1.42
74LCX540WM	FCH	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 101-3787●	2.52	1.93	1.42
74LCX541WM.	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 112-021▲‡	2.13	1.70	1.28
74LCX541WM	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 101-3788●	2.52	1.93	1.42
74LCX573WM..	FCH	20	SOIC	Octal D Type Latches	SMD 112-033▲‡	2.13	1.70	1.28
74LCX573WM	FCH	20	SOIC	Octal D Type Latches	SMD 101-3789●	2.52	1.93	1.42
74LCX574WM	FCH	20	SOIC	Octal D Type Flip/Flop	SMD 101-3790●	2.52	1.93	1.42

74LV Low Voltage CMOS Logic (SO)

PHILIPS TEXAS INSTRUMENTS

Low Voltage High Speed CMOS Logic is a 3.3V version of the HCMOS family.

413317

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
74LV04D.	PS	14	SOIC	Hex Inverter	SMD 568-880‡	1.33	1.07	0.80	0.53
74LV04D	PS	14	SOIC	Hex Inverter	SMD 108-5353●	1.35	1.10	0.82	0.55
SN74LV04APW	TI	14	TSSOP	Hex Inverter	NEW SMD 959-2474●	0.89	0.69	0.47	0.32
74LV08D.	PS	14	SOIC	Quad 2 Input Positive AND Gate	SMD 568-892‡	1.33	1.07	0.80	0.53
74LV08D	PS	14	SOIC	Quad 2 Input Positive AND Gate	SMD 108-5354●	1.37	1.10	0.82	0.55
SN74LV08AD	TI	14	SOIC	Quad 2 Input Positive AND Gate	NEW SMD 959-2482●	0.89	0.69	0.47	0.32
SN74LV08APW	TI	14	TSSOP	Quad 2 Input Positive AND Gate	NEW SMD 959-2490●	0.89	0.69	0.47	0.32
74LV14D.	PS	14	SOIC	Hex Schmitt Trigger	SMD 568-909‡	1.50	1.20	0.90	0.60
74LV14D	PS	14	SOIC	Hex Schmitt Trigger	SMD 108-5355●	1.55	1.24	0.93	0.62
SN74LV14AD	TI	14	SOIC	Hex Schmitt Trigger	NEW SMD 959-2547●	0.89	0.69	0.47	0.32
SN74LV14APW	TI	14	TSSOP	Hex Schmitt Trigger	NEW SMD 959-2555●	0.89	0.69	0.47	0.32
SN74LV32AD	TI	14	SOIC	Quad 2 Input Positive OR Gate	NEW SMD 959-2601●	0.89	0.69	0.47	0.32
SN74LV32APW	TI	14	TSSOP	Quad 2 Input Positive OR Gate	NEW SMD 959-2610●	0.89	0.69	0.47	0.32
74LV74D	PS	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 108-5356●	1.63	1.30	0.98	0.65
SN74LV125AD	TI	14	SOIC	Tri-State Quad Buffer	NEW SMD 959-2504●	0.98	0.75	0.56	0.36
SN74LV125APW	TI	14	TSSOP	Tri-State Quad Buffer	NEW SMD 959-2512●	0.98	0.75	0.56	0.36
SN74LV132APW	TI	14	TSSOP	Quad Schmitt Trigger	NEW SMD 959-2520●	0.98	0.75	0.56	0.36
SN74LV139APWG4	TI	16	TSSOP	Dual 2 to 4 Decoder Demultiplexer	NEW SMD 959-2539●	0.98	0.75	0.56	0.36
SN74LV165APW	TI	16	TSSOP	8 Bit Parallel In/Serial Out Shift Register	NEW SMD 959-2563●	1.72	1.23	0.93	0.62
SN74LV240APW	TI	20	TSSOP	Octal Tri-State Inverter Buffer	NEW SMD 959-2571●	1.25	0.90	0.67	0.45
74LV244D.	PS	20	SOIC	Octal Tri-State Buffer	SMD 568-960‡	2.00	1.60	1.20	0.80
74LV244D	PS	20	SOIC	Octal Tri-State Buffer	SMD 108-5357●	2.06	1.65	1.24	0.82
SN74LV244APW	TI	20	TSSOP	Octal Tri-State Buffer	NEW SMD 959-2580●	1.25	0.90	0.67	0.45
74LV245D.	PS	20	SOIC	Octal Tri-State Transceiver	SMD 568-971‡	2.00	1.60	1.20	0.80
74LV245D	PS	20	SOIC	Octal Tri-State Transceiver	SMD 108-5358●	2.06	1.65	1.24	0.82
SN74LV273APW	TI	20	TSSOP	Octal D Type Flip/Flop with Clear	NEW SMD 959-2598●	1.88	1.35	1.01	0.68
74LV573D	PS	20	SOIC	Octal D Type Latches	SMD 120-1336●	2.35	1.88	1.41	0.94
SN74LV573APW	TI	20	TSSOP	Octal D Type Latches	NEW SMD 959-2644●	1.25	0.90	0.67	0.45
SN74LV4052APW	TI	16	TSSOP	Differential 4 Channel Multiplexer	NEW SMD 959-2628●	1.47	1.17	0.94	0.64
SN74LV4066APW	TI	14	TSSOP	Quad Bi-Lateral Switch	NEW SMD 959-2636●	1.47	1.17	0.94	0.64

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1392 Date: 23-08-06 time: 11:39

74LVC Low Voltage CMOS Logic

TEXAS INSTRUMENTS

A range of devices fabricated from EPIC™ (Enhanced-Performance Implanted CMOS) process. Low voltage operation 2.7V to 3.6V with 3.3V/5.5V tolerant inputs. <0.8V ground Bounce at 3.3V and enhanced ESD protection.

413320

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
SN74LVC00AD.	TI	14	SOIC	Quad 2 Input NAND Gate	SMD 355-8290	0.91	0.71	0.48
SN74LVC00AD	TI	14	SOIC	Quad 2 Input NAND Gate	SMD 110-2970	0.95	0.74	0.50
SN74LVC00APWR.	TI	14	TSSOP	Quad 2 Input NAND Gate	SMD 355-8356	0.76	0.58	0.44
SN74LVC00APWR	TI	14	TSSOP	Quad 2 Input NAND Gate	SMD 110-5931	0.95	0.74	0.50
SN74LVC02APW	TI	14	TSSOP	Quad 2 Input Positive NOR Gate	SMD 959-2652	0.78	0.60	0.45
SN74LVC04AD.	TI	14	SOIC	Hex Inverter	SMD 355-8307	0.90	0.70	0.48
SN74LVC04AD	TI	14	SOIC	Hex Inverter	SMD 110-2971	0.95	0.74	0.50
SN74LVC04APWR.	TI	14	TSSOP	Hex Inverter	SMD 355-8368	0.77	0.59	0.44
SN74LVC04APWR	TI	14	TSSOP	Hex Inverter	SMD 110-2976	0.95	0.74	0.50
SN74LVC07AD	TI	14	SOIC	Hex Buffer Driver (OC)	SMD 959-2660	0.95	0.74	0.50
SN74LVC07APW	TI	14	TSSOP	Hex Buffer Driver (OC)	SMD 959-2679	0.95	0.74	0.50
SN74LVC08AD.	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 355-8319	0.90	0.70	0.48
SN74LVC08AD	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 110-2972	0.95	0.74	0.50
SN74LVC08APWR.	TI	14	TSSOP	Quad 2 Input Positive AND Gate	SMD 355-8370	0.95	0.74	0.50
SN74LVC08APWR	TI	14	TSSOP	Quad 2 Input Positive AND Gate	SMD 110-2978	0.95	0.74	0.50
SN74LVC14AD	TI	14	SOIC	Hex Schmitt Trigger	SMD 110-2973	0.95	0.74	0.50
SN74LVC14APWR.	TI	14	TSSOP	Hex Schmitt Trigger	SMD 355-8381	0.78	0.60	0.45
SN74LVC14APWR	TI	14	TSSOP	Hex Schmitt Trigger	SMD 110-2979	0.95	0.74	0.50
SN74LVC32AD..	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 355-8332	0.90	0.70	0.48
SN74LVC32AD	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 110-2974	0.95	0.74	0.50
SN74LVC32APWR..	TI	14	TSSOP	Quad 2 Input Positive OR Gate	SMD 355-8393	0.88	0.68	0.46
SN74LVC32APWR	TI	14	TSSOP	Quad 2 Input Positive OR Gate	SMD 110-2980	0.95	0.74	0.50
SN74LVC74APW	TI	14	TSSOP	Dual D Type Edge Triggered Flip/Flop	SMD 959-2822	0.95	0.74	0.50
SN74LVC125AD.	TI	14	SOIC	Tri-State Quad Buffer	SMD 355-8344	1.06	0.76	0.57
SN74LVC125AD	TI	14	SOIC	Tri-State Quad Buffer	SMD 110-2975	0.88	0.67	0.50
SN74LVC125APWR..	TI	14	TSSOP	Tri-State Quad Buffer	SMD 355-8400	1.00	0.76	0.57
SN74LVC125APWR	TI	14	TSSOP	Tri-State Quad Buffer	SMD 110-2981	0.88	0.67	0.50
SN74LVC138AD	TI	16	SOIC	Expandable 3/8 Decoder	SMD 959-2687	0.88	0.67	0.50
SN74LVC138APW	TI	16	TSSOP	Expandable 3/8 Decoder	SMD 959-2695	0.88	0.67	0.50
SN74LVC139APW	TI	16	TSSOP	Dual 2 to 4 Decoder Demultiplexer	SMD 959-2709	0.88	0.67	0.50
SN74LVC157APW	TI	16	TSSOP	Quad 2 Input Multiplexer	SMD 959-2717	1.08	0.82	0.62
SN74LVC244ADW.	TI	20	SOIC	Octal Tri-State Buffer	SMD 355-8411	1.29	0.93	0.70
SN74LVC244ADW	TI	20	SOIC	Octal Tri-State Buffer	SMD 110-2982	1.08	0.82	0.62
SN74LVC244APWR.	TI	20	TSSOP	Octal Tri-State Buffer	SMD 355-8459	1.13	0.87	0.65
SN74LVC244APWR	TI	20	TSSOP	Octal Tri-State Buffer	SMD 110-5933	1.08	0.82	0.62
SN74LVC245ADW	TI	20	SOIC	Octal Tri-State Transceiver	SMD 110-2983	1.08	0.82	0.62
SN74LVC245APWR	TI	20	TSSOP	Octal Tri-State Transceiver	SMD 110-5934	1.17	0.84	0.63
SN74LVC373ADW.	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 355-8435	1.05	0.80	0.60
SN74LVC373ADW	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 110-5932	0.94	0.67	0.50
SN74LVC373APWR.	TI	20	TSSOP	Tri-State Octal Transparent Latch	SMD 355-8472	1.13	0.87	0.65
SN74LVC373APWR	TI	20	TSSOP	Tri-State Octal Transparent Latch	SMD 110-2984	0.94	0.67	0.50
SN74LVC374APWRE4	TI	20	TSSOP	74LVC Low Voltage CMOS Logic (SO)	SMD 121-4400	0.94	0.67	0.50
SN74LVC541APW	TI	20	TSSOP	Octal Buffer and Line DR/RX Non-Inverting	SMD 959-2792	0.94	0.67	0.50
SN74LVC573APW	TI	20	TSSOP	Octal D Type Latches	SMD 959-2806	0.94	0.67	0.50
SN74LVC574APW	TI	20	TSSOP	Octal D Type Flip/Flop	SMD 959-2814	0.94	0.67	0.50
SN74LVC2244APW	TI	20	TSSOP	Octal Tri-State Buffer with Resistor	SMD 959-2741	1.17	0.84	0.63
SN74LVC4245ADW	TI	24	SOIC	Tri-State Octal Translating Transceiver	SMD 959-2776	1.76	1.40	1.10
SN74LVC4245APW	TI	24	TSSOP	Tri-State Octal Translating Transceiver	SMD 959-2784	1.76	1.40	1.10

74LVCH Low Voltage High Speed CMOS Logic (SO)

TEXAS INSTRUMENTS

413330

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
SN74LVCH245APW	TI	20	TSSOP	Octal Tri-State Transceiver	SMD 959-2830	1.17	0.84	0.63
IDT74LVCH16244APV	IDT	48	SSOP	Tri-State Output 16-Bit Line Driver	SMD 119-477	7.78	5.10	4.47
IDT74LVCH16244APVG	IDT	48	SSOP	Tri-State Output 16-Bit Line Driver	SMD 121-8000	7.78	5.10	4.47
IDT74LVCH16245APV	IDT	48	SSOP	Tri-State Output 16-Bit Bus Transceiver	SMD 119-489	7.78	5.10	4.47
IDT74LVCH16245APVG	IDT	48	SSOP	Tri-State Output 16-Bit Bus Transceiver	SMD 121-8002	7.78	5.10	4.47
IDT74LVCH16373APV	IDT	48	SSOP	Tri-State Output 16-Bit Transparent Latch	SMD 119-490	8.64	5.37	4.47
IDT74LVCH16374APV	IDT	48	SSOP	Tri-State Output 16-Bit D-Type Flip-Flop	SMD 119-507	8.64	5.37	4.47
IDT74LVCH16374APVG	IDT	48	SSOP	Tri-State Output 16-Bit D-Type Flip-Flop	SMD 121-8015	8.64	5.37	4.47

Product Watch
obsolescence notification

- FREE to all account holders
- Notification of obsolete, end of line and end of stock items
- Replacement or upgrade recommendations

Advanced warning of obsolete components

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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74LVC1 Low Voltage CMOS Logic

TEXAS INSTRUMENTS

A range of single gate functions in an SOT-23 package with 1.65V to 5.5V operation.

413332

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
SN74LVC1G06DBVR.	TI	5	SOT-23	Hex Inverter Buffer/Driver (OC)	SMD 355-8277	0.67	0.52	0.36
SN74LVC1G06DBVR	TI	5	SOT-23	Hex Inverter Buffer/Driver (OC)	SMD 110-5928 ●	0.76	0.59	0.40
SN74LVC1G07DBVR.	TI	5	SOT-23	Hex Buffer Driver (OC)	SMD 355-8289	0.67	0.52	0.36
SN74LVC1G07DBVR	TI	5	SOT-23	Hex Buffer Driver (OC)	SMD 110-2969 ●	0.89	0.69	0.47
SN74LVC1T45DBVTG4	TI	6	SOP	BCD to Decimal Decoder/Driver (OC)	NEW SMD 959-2725 ●	1.86	1.48	1.16
SN74LVC1T45DCKTG4	TI	6	SOP	BCD to Decimal Decoder/Driver (OC)	NEW SMD 959-2733 ●	1.88	1.50	1.18
SN74LVC2T45DCTTG4	TI	8	SSOP	BCD to Decimal Decoder/Driver (OC)	NEW SMD 959-2750 ●	1.94	1.54	1.21
SN74LVC2T45DCUTG4	TI	8	VSSOP	BCD to Decimal Decoder/Driver (OC)	NEW SMD 959-2768 ●	1.85	1.48	1.16

74LVT Low Voltage Logic

FAIRCHILD SEMICONDUCTOR™ TEXAS INSTRUMENTS

413334

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
SN74LVT125D	TI	14	SOIC	Tri-State Quad Buffer	NEW SMD 959-2849 ●	2.35	1.87	1.47	1.02
74LVT240MTC	FCH	20	TSSOP	Octal Tri-State Inverter Buffer	SMD 325-2759 ▲	2.23	1.78	1.40	0.97
74LVT240WM	FCH	20	SOIC	Octal Tri-State Inverter Buffer	SMD 325-2760 ▲	1.94	1.62	1.29	0.97
74LVT244MTC.	FCH	20	TSSOP	Octal Tri-State Buffer	SMD 325-2516 ▲‡	2.23	1.78	1.40	0.97
74LVT244MTC	FCH	20	TSSOP	Octal Tri-State Buffer	SMD 101-3792 ●	2.23	1.83	1.44	1.00
74LVT244WM	FCH	20	SOIC	Octal Tri-State Buffer	SMD 101-3793 ●	2.23	1.83	1.44	1.00
SN74LVT244BDW	TI	20	SOIC	Octal Tri-State Buffer	NEW SMD 959-2857 ●	1.80	1.29	0.97	0.65
74LVT245MTC.	FCH	20	TSSOP	Octal Tri-State Transceiver	SMD 325-2553 ▲‡	3.51	2.76	2.58	1.80
74LVT245MTC	FCH	20	TSSOP	Octal Tri-State Transceiver	SMD 101-3794 ●	2.30	1.83	1.44	1.00
74LVT245WM..	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 325-2565 ▲‡	2.23	1.78	1.40	0.97
74LVT245WM	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 101-3795 ●	2.23	1.83	1.44	1.00
74LVT373MTC	FCH	20	TSSOP	Tri-State Octal Transparent Latch	SMD 325-2590 ▲	2.11	1.53	1.22	0.92
74LVT373WM	FCH	20	SOIC	Tri-State Octal Transparent Latch	SMD 325-2607 ▲	1.84	1.53	1.22	0.92
74LVT374WM	FCH	20	SOIC	Tri-State Octal D Flip/Flop	SMD 325-2620 ▲	2.11	1.53	1.22	0.92
74LVT573MTC.	FCH	20	TSSOP	Octal D Type Latches	SMD 325-2632 ▲‡	2.52	1.91	1.53	1.15
74LVT573MTC	FCH	20	TSSOP	Octal D Type Latches	SMD 101-3796 ●	2.72	2.17	1.70	1.18
74LVT573WM	FCH	20	SOIC	Octal D Type Latches	SMD 325-2644 ▲	2.52	1.91	1.53	1.15
74LVT574MTC.	FCH	14	TSSOP	Octal D Type Flip/Flop	SMD 325-2656 ▲‡	2.52	1.91	1.53	1.15
74LVT574MTC	FCH	14	TSSOP	Octal D Type Flip/Flop	SMD 101-3797 ●	2.72	2.17	1.70	1.18
74LVT574WM	FCH	20	SOIC	Octal D Type Flip/Flop	SMD 101-3799 ●	2.72	2.17	1.70	1.18
74LVT16244MTD.	FCH	48	TSSOP	Tri-State Output 16-Bit Line Driver	SMD 325-2711 ▲‡	5.61	3.98	3.21	2.94
74LVT16244MTD	FCH	48	TSSOP	Tri-State Output 16-Bit Line Driver	SMD 101-3802 ●	5.61	4.51	3.44	3.03
74LVT16245MTD.	FCH	48	TSSOP	Tri-State Output 16-Bit Bus Transceiver	SMD 325-2723 ▲‡	5.61	3.98	3.21	2.94
74LVT16245MTD	FCH	48	TSSOP	Tri-State Output 16-Bit Bus Transceiver	SMD 101-3803 ●	5.61	4.51	3.44	3.03
74LVT16373MTD.	FCH	48	TSSOP	Tri-State Output 16-Bit Transparent Latch	SMD 325-2735 ▲‡	4.97	3.98	3.09	2.94
74LVT16373MTD	FCH	48	TSSOP	Tri-State Output 16-Bit Transparent Latch	SMD 101-3805 ●	5.89	4.51	3.44	3.03
74LVT16374MTD.	FCH	48	TSSOP	Tri-State Output 16-Bit D-Type Flip-Flop	SMD 325-2747 ▲‡	4.97	3.98	3.09	2.94
74LVT16374MTD	FCH	48	TSSOP	Tri-State Output 16-Bit D-Type Flip-Flop	SMD 101-3806 ●	5.89	4.51	3.44	3.03
74LVT162244MTD.	FCH	48	TSSOP	Tri-State Output 16-Bit Buffer/Line Driver	SMD 325-2681 ▲‡	5.36	4.28	3.33	3.17
74LVT162244MTD	FCH	48	TSSOP	Tri-State Output 16-Bit Buffer/Line Driver	SMD 101-3800 ●	6.34	4.85	3.71	3.26
74LVT162245MTD.	FCH	48	TSSOP	Tri-State Output 16-Bit Transceiver	SMD 325-2693 ▲‡	5.36	4.28	3.33	3.17
74LVT162245MTD	FCH	48	TSSOP	Tri-State Output 16-Bit Transceiver	SMD 101-3801 ●	6.34	4.85	3.71	3.26

74LVTH Low Voltage High Speed Logic

FAIRCHILD SEMICONDUCTOR™

413627

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
SN74LVTH125D	TI	14	SOIC	Tri-State Quad Buffer	NEW SMD 959-2865 ●	1.09	0.79	0.59	0.40
SN74LVTH125PW	TI	14	TSSOP	Tri-State Quad Buffer	NEW SMD 959-2873 ●	1.09	0.79	0.59	0.40
SN74LVTH244APW	TI	20	TSSOP	Octal Tri-State Buffer	NEW SMD 959-2890 ●	1.56	1.12	0.84	0.56
SN74LVTH245APW	TI	20	TSSOP	Octal Tri-State Transceiver	NEW SMD 959-2903 ●	1.56	1.12	0.84	0.56
SN74LVTH573PW	TI	20	TSSOP	Octal D Type Latches	NEW SMD 959-2920 ●	1.56	1.12	0.84	0.56
SN74LVTH16245ADLG4	TI	48	SSOP	Tri-State Output 16-Bit Bus Transceiver	NEW SMD 959-2881 ●	2.33	1.86	1.46	1.01

74LVX Low Voltage CMOS Logic

FAIRCHILD SEMICONDUCTOR™

Low Voltage CMOS Logic with 5V tolerant inputs and translation capability.

413336

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
74LVX00M	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 101-4090 ●	0.97	0.77	0.53	0.36
74LVX02M	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 642-400 ▲	0.97	0.75	0.51	0.35
74LVX04M..	FCH	14	SOIC	Hex Inverter	SMD 642-411 ▲‡	0.87	0.69	0.51	0.35
74LVX04M	FCH	14	SOIC	Hex Inverter	SMD 101-4091 ●	0.99	0.77	0.53	0.36
74LVX08M.	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 642-423 ▲‡	0.84	0.72	0.51	0.35
74LVX08M	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 101-4093 ●	0.99	0.77	0.53	0.36

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
74LVX14M..	FCH	14	SOIC	Hex Schmitt Trigger	SMD642-472▲‡	1.00	0.78	0.53	0.36
74LVX14M	FCH	14	SOIC	Hex Schmitt Trigger	SMD101-4097●	1.00	0.80	0.55	0.37
74LVX32M..	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD642-460▲‡	0.84	0.68	0.47	0.35
74LVX32M	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD101-4096●	0.99	0.77	0.53	0.36
74LVX74M	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD642-484▲	0.84	0.72	0.63	0.51
74LVX125M	FCH	14	SOIC	Tri-State Quad Buffer	SMD101-4099●	0.95	0.75	0.56	0.36
74LVX138M	FCH	16	SOIC	Expandable 3/8 Decoder	SMD101-4100●	1.35	1.00	0.75	0.50
74LVX273M.	FCH	20	SOIC	Octal D Type Flip/Flop with Clear	SMD642-496▲‡	1.41	1.12	0.90	0.61
74LVX273M	FCH	20	SOIC	Octal D Type Flip/Flop with Clear	SMD101-4098●	1.41	1.16	0.92	0.63
74LVX374M	FCH	20	SOIC	Tri-State Octal D Flip/Flop	SMD642-447▲	1.63	1.22	0.92	0.68
74LVX3245WM..	FCH	24	SOIC	Tri-State Octal Translating Transceiver	SMD642-435▲‡	3.60	2.55	2.07	1.79
74LVX3245WM	FCH	24	SOIC	Tri-State Octal Translating Transceiver	SMD101-4094●	3.60	2.89	2.13	1.84
74LVXC3245WM	FCH	24	SOIC	Tri-State Octal Translating Transceiver	SMD101-4089●	4.15	3.27	2.41	2.08
74LVX4245WM..	FCH	24	SOIC	Tri-State Octal Translating Transceiver	SMD642-459▲‡	2.84	2.26	1.78	1.23
74LVX4245WM	FCH	24	SOIC	Tri-State Octal Translating Transceiver	SMD101-4095●	2.84	2.33	1.83	1.27
74LVXC4245WM..	FCH	24	SOIC	Tri-State Octal Translating Transceiver	SMD642-526▲‡	4.15	3.18	2.34	2.02
74LVXC4245WM	FCH	24	SOIC	Tri-State Octal Translating Transceiver	SMD101-4101●	4.15	3.27	2.41	2.08

74C CMOS Logic

74C offers low power consumption and high noise immunity.

413340

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
MM74C00N	FCH	14	DIL	Quad 2 Input NAND Gate	101-3902●	2.91	2.29	1.69
MM74C74N.	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	377-910▲‡	4.08	3.12	2.30
MM74C74N	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	101-3903●	4.08	3.22	2.37
MM74C221N..	FCH	16	DIL	Dual Monostable Multivibrator with Clear	378-021▲‡	9.34	7.15	5.46
MM74C221N	FCH	16	DIL	Dual Monostable Multivibrator with Clear	101-3904●	9.34	7.36	5.62
MM74C240N	FCH	20	DIL	Octal Tri-State Inverter Buffer	378-033▲	8.56	6.55	5.00
MM74C244N..	FCH	20	DIL	Octal Tri-State Buffer	378-045▲‡	8.56	6.55	5.00
MM74C244N	FCH	20	DIL	Octal Tri-State Buffer	101-3905●	8.56	6.75	5.15
MM74C373N	FCH	20	DIL	Tri-State Octal Transparent Latch	378-057▲	8.37	6.41	4.89
MM74C906N..	FCH	14	DIL	Open Drain Buffer (Active Pull Down)	378-094▲‡	4.62	3.54	2.61
MM74C906N	FCH	14	DIL	Open Drain Buffer (Active Pull Down)	101-3906●	4.62	3.64	2.68
MM74C914N..	FCH	14	DIL	Hex Schmitt Trigger,External Voltage Inputs	378-148▲‡	6.38	4.88	3.73
MM74C914N	FCH	14	DIL	Hex Schmitt Trigger,External Voltage Inputs	101-3908●	6.38	5.03	3.84
MM74C922N	FCH	18	DIL	16 Key Keyboard Encoder	101-3909●	13.33	10.51	8.71
MM74C923N..	FCH	20	DIL	20 Key Keyboard Encoder	378-173▲‡	13.33	10.20	8.45
MM74C923N	FCH	20	DIL	20 Key Keyboard Encoder	101-3910●	13.33	10.51	8.71

74AC Advanced CMOS Logic

74AC offers high speed, reduced power consumption and has CMOS input voltage level compatibility.

413341

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
74AC00SC..	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD687-674▲‡	0.78	0.63	0.47	0.33
74AC00SC	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD101-4139●	0.93	0.71	0.53	0.34
CD74AC00M.	TI	14	SOIC	Quad 2 Input NAND Gate	SMD485-755	0.94	0.73	0.50	0.34
CD74AC00M	TI	14	SOIC	Quad 2 Input NAND Gate	SMD110-3061●	1.09	0.79	0.59	0.40
SN74AC00D	TI	14	SOIC	Quad 2 Input NAND Gate	SMD959-0200●	0.88	0.67	0.50	0.32
74AC02PC..	FCH	14	DIL	Quad 2 Input Positive NOR Gate	383-491▲‡	0.60	0.45	0.39	0.36
74AC02PC	FCH	14	DIL	Quad 2 Input Positive NOR Gate	101-4016●	1.13	0.81	0.61	0.41
74AC02SC..	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD687-844▲‡	0.78	0.63	0.47	0.33
74AC02SC	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD101-4156●	0.93	0.71	0.53	0.34
CD74AC02M	TI	14	SOIC	Quad 2 Input Positive NOR Gate	SMD958-9546●	1.09	0.79	0.59	0.40
74AC04PC	FCH	14	DIL	Hex Inverter	101-4017●	0.97	0.69	0.52	0.35
74AC04SC..	FCH	14	SOIC	Hex Inverter	SMD687-686▲‡	0.78	0.63	0.47	0.33
74AC04SC	FCH	14	SOIC	Hex Inverter	SMD101-4140●	0.93	0.71	0.53	0.34
CD74AC04E	TI	14	DIL	Hex Inverter	110-2987●	1.17	0.84	0.63	0.42
CD74AC04M.	TI	14	SOIC	Hex Inverter	SMD485-779	0.85	0.66	0.45	0.31
CD74AC04M	TI	14	SOIC	Hex Inverter	SMD110-3062●	1.09	0.79	0.59	0.40
SN74AC04D	TI	14	SOIC	Hex Inverter	SMD959-0218●	0.88	0.67	0.50	0.32
CD74AC05M..	TI	14	SOIC	Hex Inverter (OC)	SMD485-780	0.81	0.62	0.47	0.30
CD74AC05M	TI	14	SOIC	Hex Inverter (OC)	SMD110-3063●	1.09	0.79	0.59	0.40
74AC08PC..	FCH	14	DIL	Quad 2 Input Positive AND Gate	383-510▲‡	0.95	0.71	0.54	0.40
74AC08PC	FCH	14	DIL	Quad 2 Input Positive AND Gate	101-4019●	1.13	0.81	0.61	0.41
74AC08SC..	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD687-820▲‡	0.78	0.63	0.47	0.33
74AC08SC	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD101-4155●	0.93	0.71	0.53	0.34
CD74AC08M..	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD485-792	0.89	0.69	0.47	0.32
CD74AC08M	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD110-3065●	1.09	0.79	0.59	0.40
SN74AC08D	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD959-0226●	0.88	0.69	0.47	0.32
74AC10PC..	FCH	14	DIL	Triple 3 Input Positive NAND Gate	383-521▲‡	0.99	0.79	0.59	0.41
74AC10PC	FCH	14	DIL	Triple 3 Input Positive NAND Gate	101-4021●	1.17	0.89	0.67	0.43
74AC11PC	FCH	14	DIL	Triple 3 Input Positive AND Gate	383-533▲	0.99	0.79	0.59	0.41
74AC14PC..	FCH	14	DIL	Hex Schmitt Trigger	383-545▲‡	0.99	0.79	0.59	0.41
74AC14PC	FCH	14	DIL	Hex Schmitt Trigger	101-4022●	1.17	0.89	0.67	0.43
74AC14SC	FCH	14	SOIC	Hex Schmitt Trigger	SMD101-4141●	0.90	0.70	0.48	0.33
CD74AC14M.	TI	14	SOIC	Hex Schmitt Trigger	SMD488-938	1.16	0.83	0.62	0.42
CD74AC14M	TI	14	SOIC	Hex Schmitt Trigger	SMD110-6055●	1.09	0.79	0.59	0.40

Prices are in Singapore Dollars and exclusive of GST.
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C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
SN74AC14D	TI	14	SOIC	Hex Schmitt Trigger	SMD 959-0234 ●	0.88	0.69	0.47	0.32
74AC32PC..	FCH	14	DIL	Quad 2 Input Positive OR Gate	383-557 ▲‡	0.99	0.79	0.59	0.41
74AC32PC	FCH	14	DIL	Quad 2 Input Positive OR Gate	101-4023 ●	1.17	0.89	0.67	0.43
74AC32SC	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 101-4142 ●	0.93	0.71	0.53	0.34
CD74AC32M.	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 489-013	0.89	0.68	0.51	0.32
CD74AC32M	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 110-3073 ●	1.07	0.79	0.59	0.40
SN74AC32D	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 959-0269 ●	0.88	0.67	0.50	0.32
74AC74PC	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	101-4024 ●	1.17	0.89	0.67	0.43
74AC74SC..	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 687-716 ▲‡	0.80	0.64	0.48	0.34
74AC74SC	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 101-4143 ●	0.95	0.72	0.54	0.35
CD74AC74EG4	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	958-9554 ●	2.05	1.63	1.28	0.89
CD74AC74M..	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 489-050	1.36	0.98	0.73	0.49
CD74AC74M	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 110-3078 ●	1.09	0.79	0.59	0.40
SN74AC74D	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 959-0307 ●	0.88	0.69	0.47	0.32
74AC86SC..	FCH	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 687-789 ▲‡	0.80	0.64	0.48	0.34
74AC86SC	FCH	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 101-4151 ●	0.95	0.72	0.54	0.35
CD74AC86E.	TI	14	DIL	Quad 2-Input Exclusive OR Gate	383-302	0.78	0.60	0.45	0.29
CD74AC86E	TI	14	DIL	Quad 2-Input Exclusive OR Gate	110-5997 ●	1.17	0.84	0.63	0.42
CD74AC86M.	TI	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 489-098	1.98	1.58	1.24	0.86
CD74AC86M	TI	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 110-3082 ●	1.09	0.79	0.59	0.40
74AC138PC..	FCH	16	DIL	Expandable 3/8 Decoder	383-570 ▲‡	0.96	0.71	0.53	0.36
74AC138PC	FCH	16	DIL	Expandable 3/8 Decoder	101-4025 ●	1.02	0.73	0.55	0.37
CD74AC138M..	TI	16	SOIC	Expandable 3/8 Decoder	SMD 488-940	1.16	0.89	0.67	0.42
CD74AC138M	TI	16	SOIC	Expandable 3/8 Decoder	SMD 110-3066 ●	1.09	0.79	0.59	0.40
74AC139PC	FCH	16	DIL	Dual 2 to 4 Decoder Demultiplexer	383-582 ▲	0.99	0.69	0.53	0.36
CD74AC157M.	TI	16	SOIC	Quad 2 Input Multiplexer	SMD 488-951	1.40	1.00	0.75	0.51
CD74AC157M	TI	16	SOIC	Quad 2 Input Multiplexer	SMD 110-3068 ●	1.41	1.01	0.76	0.51
CD74AC161E.	TI	16	DIL	Synchronous 4 Bit Binary Counter	383-363	1.45	1.04	0.78	0.52
CD74AC161E	TI	16	DIL	Synchronous 4 Bit Binary Counter	110-2991 ●	1.33	0.95	0.72	0.48
CD74AC161M	TI	16	SOIC	Synchronous 4 Bit Binary Counter	SMD 110-3069 ●	1.25	0.90	0.67	0.45
CD74AC161M.	TI	16	SOIC	Synchronous 4 Bit Binary Counter	SMD 488-963	1.44	1.03	0.77	0.52
74AC244PC..	FCH	20	DIL	Octal Tri-State Buffer	383-624 ▲‡	1.06	0.80	0.60	0.44
74AC244PC	FCH	20	DIL	Octal Tri-State Buffer	101-4026 ●	1.26	0.90	0.68	0.45
74AC244SC.	FCH	20	SOIC	Octal Tri-State Buffer	SMD 687-819 ▲‡	1.63	1.36	1.09	0.82
74AC244SC	FCH	20	SOIC	Octal Tri-State Buffer	SMD 101-4154 ●	1.93	1.54	1.21	0.84
CD74AC244E.	TI	20	DIL	Octal Tri-State Buffer	383-399	1.91	1.37	1.03	0.69
CD74AC244E	TI	20	DIL	Octal Tri-State Buffer	110-5998 ●	1.56	1.12	0.84	0.56
CD74AC244M	TI	20	SOIC	Octal Tri-State Buffer	SMD 110-3070 ●	1.56	1.12	0.84	0.56
SN74AC244PW	TI	20	TSSOP	Octal Tri-State Buffer	SMD 959-0242 ●	1.56	1.12	0.84	0.56
74AC245PC..	FCH	20	DIL	Octal Tri-State Transceiver	383-636 ▲‡	1.63	1.36	1.09	0.82
74AC245PC	FCH	20	DIL	Octal Tri-State Transceiver	101-4027 ●	1.93	1.54	1.21	0.84
74AC245SC	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 101-4153 ●	1.93	1.54	1.21	0.84
CD74AC245M.	TI	20	SOIC	Octal Tri-State Transceiver	SMD 488-999	1.40	1.00	0.75	0.51
CD74AC245M	TI	20	SOIC	Octal Tri-State Transceiver	SMD 110-3071 ●	1.56	1.12	0.84	0.56
SN74AC245DW	TI	20	SOIC	Octal Tri-State Transceiver	SMD 959-0250 ●	1.56	1.12	0.84	0.56
CD74AC257M	TI	16	SOIC	Quad 2-Input Non-Inverting Multiplexers with 3-State Outputs, 74AC CMOS Logic	SMD 838-9004 ●	1.52	1.22	0.97	0.66
74AC273PC..	FCH	20	DIL	Octal D Type Flip/Flop with Clear	383-648 ▲‡	1.22	0.92	0.69	0.51
74AC273PC	FCH	20	DIL	Octal D Type Flip/Flop with Clear	101-4028 ●	1.45	1.04	0.78	0.52
CD74AC273M.	TI	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 489-001	1.04	0.75	0.56	0.38
CD74AC273M	TI	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 110-3072 ●	1.47	1.17	0.94	0.64
CD74AC373M.	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 489-025	1.26	0.90	0.68	0.45
CD74AC373M	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 110-3074 ●	1.56	1.12	0.84	0.56
SN74AC373DW	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 959-0277 ●	1.56	1.12	0.84	0.56
74AC374PC	FCH	20	DIL	Tri-State Octal D Flip/Flop	383-661 ▲	1.22	0.92	0.69	0.51
74AC541PC	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	383-685 ▲	2.04	1.70	1.36	1.02
74AC541SC..	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 687-790 ▲‡	2.04	1.70	1.36	1.02
74AC541SC	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 101-4152 ●	2.42	1.93	1.51	1.05
CD74AC541E	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	383-454	1.56	1.12	0.84	0.56
CD74AC541EE4	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	121-4403 ●	1.56	1.12	0.84	0.56
CD74AC541M.	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 489-049	1.24	0.89	0.67	0.45
CD74AC541M	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 110-3075 ●	1.56	1.12	0.84	0.56
CD74AC573E.	TI	20	DIL	Octal D Type Latches	383-466	1.56	1.12	0.84	0.56
CD74AC573E	TI	20	DIL	Octal D Type Latches	110-5999 ●	1.56	1.12	0.84	0.56
CD74AC573M.	TI	20	SOIC	Octal D Type Latches	SMD 489-074	0.89	0.68	0.51	0.32
CD74AC573M	TI	20	SOIC	Octal D Type Latches	SMD 110-3079 ●	1.53	1.12	0.84	0.56
SN74AC573DW	TI	20	SOIC	Octal D Type Latches	SMD 959-0285 ●	1.56	1.12	0.84	0.56
SN74AC573PW	TI	20	TSSOP	Octal D Type Latches	SMD 959-0293 ●	1.56	1.12	0.84	0.56
CD74AC574M.	TI	20	SOIC	Octal D Type Flip/Flop	SMD 489-086	1.13	0.81	0.61	0.41
CD74AC574M	TI	20	SOIC	Octal D Type Flip/Flop	SMD 110-3081 ●	1.56	1.12	0.84	0.56
74AC16244DLG4	TI	48	SSOP	Tri-State Output 16-Bit Line Driver	SMD 958-9481 ●	2.69	2.06	1.51	1.31

74ACT Advanced CMOS Logic

74ACT offers high speed, reduced power consumption and has TTL input voltage level compatibility.

413342

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
74ACT00SC..	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 687-728 ▲‡	0.78	0.63	0.47	0.33
74ACT00SC	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 101-4144 ●	0.93	0.71	0.53	0.34
CD74ACT00E..	TI	14	DIL	Quad 2 Input NAND Gate	383-697	1.03	0.79	0.59	0.38
CD74ACT00E	TI	14	DIL	Quad 2 Input NAND Gate	110-2992 ●	1.17	0.84	0.63	0.42
CD74ACT00M.	TI	14	SOIC	Quad 2 Input NAND Gate	SMD 489-104	0.91	0.71	0.48	0.33
CD74ACT00M	TI	14	SOIC	Quad 2 Input NAND Gate	SMD 110-3083 ●	1.09	0.79	0.59	0.40
SN74ACT00D	TI	14	SOIC	Quad 2 Input NAND Gate	NEW SMD 959-0315 ●	0.88	0.67	0.50	0.32
CD74ACT02M.	TI	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 489-116	0.94	0.67	0.50	0.34

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
					MIXED QUANTITY PRICING				
CD74ACT02M	TI	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 110-3084 ●	1.08	0.79	0.59	0.40
74ACT04SC..	FCH	14	SOIC	Hex Inverter	SMD 687-730 ▲‡	1.09	0.82	0.61	0.45
74ACT04SC	FCH	14	SOIC	Hex Inverter	SMD 101-4145 ●	1.29	0.92	0.69	0.47
CD74ACT04E..	TI	14	DIL	Hex Inverter	383-715	1.03	0.79	0.59	0.38
CD74ACT04E	TI	14	DIL	Hex Inverter	110-2993 ●	1.17	0.84	0.63	0.42
CD74ACT04M.	TI	14	SOIC	Hex Inverter	SMD 489-128	0.94	0.67	0.50	0.34
CD74ACT04M	TI	14	SOIC	Hex Inverter	SMD 110-3085 ●	1.09	0.79	0.59	0.40
SN74ACT04D	TI	14	SOIC	Hex Inverter	NEW SMD 959-0323 ●	0.88	0.69	0.47	0.32
SN74ACT04PWG4	TI	14	TSSOP	Hex Inverter	NEW SMD 959-0331 ●	0.88	0.67	0.50	0.32
74ACT08SC..	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 687-741 ▲‡	0.78	0.63	0.47	0.33
74ACT08SC	FCH	14	SOIC	Quad 2 Input Positive AND Gate	SMD 101-4147 ●	0.93	0.71	0.53	0.34
CD74ACT08E.	TI	14	DIL	Quad 2 Input Positive AND Gate	383-727	0.87	0.67	0.50	0.32
CD74ACT08E	TI	14	DIL	Quad 2 Input Positive AND Gate	110-6000 ●	1.17	0.84	0.63	0.42
CD74ACT08M.	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 489-130	0.88	0.68	0.46	0.32
CD74ACT08M	TI	14	SOIC	Quad 2 Input Positive AND Gate	SMD 110-3086 ●	1.09	0.79	0.59	0.40
CD74ACT573M	TI	20	SOIC	Octal D Type Latches	SMD 110-3096 ●	1.56	1.12	0.84	0.56
CD74ACT14E..	TI	14	DIL	Hex Schmitt Trigger	383-740	0.96	0.73	0.55	0.35
CD74ACT14E	TI	14	DIL	Hex Schmitt Trigger	110-2994 ●	1.17	0.84	0.63	0.42
CD74ACT14M..	TI	14	SOIC	Hex Schmitt Trigger	SMD 489-141	0.92	0.70	0.53	0.34
CD74ACT14M	TI	14	SOIC	Hex Schmitt Trigger	SMD 110-3087 ●	1.09	0.79	0.59	0.40
SN74ACT14D	TI	14	SOIC	Hex Schmitt Trigger	NEW SMD 959-0340 ●	0.78	0.60	0.45	0.29
74ACT32SC..	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 687-765 ▲‡	0.78	0.63	0.47	0.33
74ACT32SC	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 101-4149 ●	0.93	0.71	0.53	0.34
CD74ACT32M	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 110-3092 ●	1.09	0.79	0.59	0.40
SN74ACT32D	TI	14	SOIC	Quad 2 Input Positive OR Gate	NEW SMD 959-0382 ●	0.88	0.67	0.50	0.32
74ACT74PC	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	384-010 ▲	1.02	0.77	0.57	0.42
74ACT74SC..	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 687-868 ▲‡	0.80	0.64	0.48	0.34
74ACT74SC	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 101-4159 ●	0.95	0.72	0.54	0.35
CD74ACT74EE4	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	120-2015 ●	1.17	0.84	0.63	0.42
CD74ACT74M.	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 489-270	1.09	0.84	0.63	0.40
CD74ACT74M	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 110-3098 ●	1.09	0.79	0.59	0.40
SN74ACT74D	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	NEW SMD 959-0420 ●	0.88	0.69	0.47	0.32
CD74ACT86M.	TI	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 489-281	0.98	0.76	0.52	0.35
CD74ACT86M	TI	14	SOIC	Quad 2-Input Exclusive OR Gate	SMD 110-3099 ●	1.09	0.79	0.59	0.40
74ACT138PC	FCH	16	DIL	Expandable 3/8 Decoder	384-021 ▲	0.93	0.71	0.53	0.36
74ACT138SC	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 101-4161 ●	1.08	0.85	0.64	0.40
CD74ACT138M.	TI	16	SOIC	Expandable 3/8 Decoder	SMD 489-293	0.94	0.67	0.50	0.34
CD74ACT138M	TI	16	SOIC	Expandable 3/8 Decoder	SMD 110-3100 ●	1.09	0.79	0.59	0.40
74ACT163PC	FCH	16	DIL	Binary Synchronous 4 Bit Counter	384-057 ▲	1.02	0.77	0.57	0.42
CD74ACT163M.	TI	16	SOIC	Binary Synchronous 4 Bit Counter	SMD 489-311	1.16	0.83	0.62	0.42
CD74ACT163M	TI	16	SOIC	Binary Synchronous 4 Bit Counter	SMD 110-3102 ●	1.25	0.90	0.67	0.45
CD74ACT164E.	TI	14	DIL	8 Bit Serial In/Parallel Out Shift Register	383-855	2.16	1.72	1.35	0.94
CD74ACT164E	TI	14	DIL	8 Bit Serial In/Parallel Out Shift Register	110-2995 ●	1.41	1.01	0.76	0.51
74ACT240PC	FCH	20	DIL	Octal Tri-State Inverter Buffer	384-070 ▲	1.22	0.92	0.69	0.51
74ACT244PC..	FCH	20	DIL	Octal Tri-State Buffer	384-082 ▲‡	1.18	0.88	0.66	0.49
74ACT244PC	FCH	20	DIL	Octal Tri-State Buffer	101-4029 ●	1.39	1.00	0.75	0.50
74ACT244SC..	FCH	20	SOIC	Octal Tri-State Buffer	SMD 687-777 ▲‡	1.63	1.36	1.09	0.82
74ACT244SC	FCH	20	SOIC	Octal Tri-State Buffer	SMD 101-4150 ●	1.93	1.54	1.21	0.84
CD74ACT244E.	TI	20	DIL	Octal Tri-State Buffer	383-892	1.56	1.12	0.84	0.56
CD74ACT244E	TI	20	DIL	Octal Tri-State Buffer	110-6001 ●	1.56	1.12	0.84	0.56
CD74ACT244M.	TI	20	SOIC	Octal Tri-State Buffer	SMD 489-189	1.12	0.80	0.60	0.40
CD74ACT244M	TI	20	SOIC	Octal Tri-State Buffer	SMD 110-3089 ●	1.56	1.12	0.84	0.56
SN74ACT244DW	TI	20	SOIC	Octal Tri-State Buffer	NEW SMD 959-0358 ●	1.56	1.12	0.84	0.56
74ACT245PC..	FCH	20	DIL	Octal Tri-State Transceiver	384-094 ▲‡	1.02	0.80	0.60	0.40
74ACT245PC	FCH	20	DIL	Octal Tri-State Transceiver	101-4030 ●	1.49	1.07	0.80	0.54
74ACT245SC..	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 687-753 ▲‡	1.63	1.36	1.09	0.82
74ACT245SC	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 101-4148 ●	1.93	1.54	1.21	0.84
CD74ACT245E.	TI	20	DIL	Octal Tri-State Transceiver	383-909	1.53	1.10	0.82	0.55
CD74ACT245E	TI	20	DIL	Octal Tri-State Transceiver	110-6002 ●	1.53	1.12	0.84	0.56
CD74ACT245M..	TI	20	SOIC	Octal Tri-State Transceiver	SMD 489-190	1.24	0.89	0.66	0.45
CD74ACT245M	TI	20	SOIC	Octal Tri-State Transceiver	SMD 110-3091 ●	1.53	1.12	0.84	0.56
SN74ACT245DW	TI	20	SOIC	Octal Tri-State Transceiver	NEW SMD 959-0366 ●	1.56	1.12	0.84	0.56
SN74ACT245PW	TI	20	TSSOP	Octal Tri-State Transceiver	NEW SMD 959-0374 ●	1.56	1.12	0.84	0.56
CD74ACT273E.	TI	20	DIL	Octal D Type Flip/Flop with Clear	383-910	1.56	1.12	0.84	0.56
CD74ACT273E	TI	20	DIL	Octal D Type Flip/Flop with Clear	110-6003 ●	1.56	1.12	0.84	0.56
74ACT373PC	FCH	20	DIL	Tri-State Octal Transparent Latch	384-100 ▲	1.22	0.92	0.69	0.51
CD74ACT373M.	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 489-220	0.95	0.68	0.51	0.34
CD74ACT373M	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 110-3093 ●	1.56	1.12	0.84	0.56
74ACT374PC..	FCH	20	DIL	Tri-State Octal D Flip/Flop	384-112 ▲‡	1.22	0.92	0.69	0.51
74ACT374PC	FCH	20	DIL	Tri-State Octal D Flip/Flop	101-4032 ●	1.45	1.04	0.78	0.52
CD74ACT374M.	TI	20	SOIC	Tri-State Octal D Flip/Flop	SMD 489-232	1.24	0.89	0.67	0.45
CD74ACT374M	TI	20	SOIC	Tri-State Octal D Flip/Flop	SMD 110-3094 ●	1.53	1.12	0.84	0.56
74ACT377PC	FCH	20	DIL	Octal D Type Flip/Flop with Enable	384-124 ▲	1.47	1.24	0.99	0.68
CD74ACT541E..	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	383-960	1.91	1.37	1.03	0.69
CD74ACT541E	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	110-6005 ●	1.56	1.12	0.84	0.56
CD74ACT541M..	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 489-244	1.11	0.80	0.60	0.40
CD74ACT541M	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 110-3095 ●	1.56	1.12	0.84	0.56
74ACT573PC.	FCH	20	DIL	Octal D Type Latches	384-136 ▲‡	2.04	1.70	1.36	1.02
74ACT573PC	FCH	20	DIL	Octal D Type Latches	101-4033 ●	2.42	1.93	1.51	1.05
CD74ACT573E.	TI	20	DIL	Octal D Type Latches	383-971	1.56	1.12	0.84	0.56
CD74ACT573E	TI	20	DIL	Octal D Type Latches	110-2996 ●	1.56	1.12	0.84	0.56
CD74ACT573M.	TI	20	SOIC	Octal D Type Latches	SMD 489-256	1.56	1.12	0.84	0.56
CD74ACT573M	TI	20	SOIC	Octal D Type Latches	SMD 110-3096 ●	1.56	1.12	0.84	0.56
SN74ACT573DW	TI	20	SOIC	Octal D Type Latches	NEW SMD 959-0390 ●	1.56	1.12	0.84	0.56
SN74ACT573PW	TI	20	TSSOP	Octal D Type Latches	NEW SMD 959-0404 ●	1.56	1.12	0.84	0.56
74ACT574PC..	FCH	20	DIL	Octal D Type Flip/Flop	384-148 ▲‡	1.33	1.00	0.75	0.55
74ACT574PC	FCH	20	DIL	Octal D Type Flip/Flop	101-4034 ●	1.58	1.13	0.85	0.57
74ACT574SC..	FCH	20	SOIC	Octal D Type Flip/Flop	SMD 687-856 ▲‡	2.04	1.70	1.36	1.02
74ACT574SC	FCH	20	SOIC	Octal D Type Flip/Flop	SMD 101-4157 ●	2.42	1.93	1.51	1.05
CD74ACT574M.	TI	20	SOIC	Octal D Type Flip/Flop	SMD 489-268	0.99	0.71	0.53	0.36
CD74ACT574M	TI	20	SOIC	Octal D Type Flip/Flop	SMD 110-3097 ●	1.56	1.12	0.84	0.56

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1397 Date: 21-08-06 time:23:30

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
SN74ACT574DW	TI	20	SOIC	Octal D Type Flip/Flop	NEW SMD 959-0412	1.56	1.12	0.84	0.56
CD74ACT646E	TI	24	DIL	Octal TS Bus Transceiver Non-Inverting	110-6007	4.37	3.35	2.46	2.13
CD74ACT646ENE4	TI	24	DIL	Octal TS Bus Transceiver Non-Inverting	121-9428	4.69	3.59	2.64	2.28
CD74ACT646M.	TI	24	SOIC	Octal TS Bus Transceiver Non-Inverting	SMD 489-323	4.35	3.33	2.45	2.12
CD74ACT646M	TI	24	SOIC	Octal TS Bus Transceiver Non-Inverting	SMD 110-3103	4.69	3.59	2.64	2.28
74ACT16244DL	TI	48	SSOP	Tri-State Output 16-Bit Line Driver	NEW SMD 958-9490	2.59	1.98	1.46	1.26
74ACT16245DL	TI	48	SSOP	Tri-State Output 16-Bit Bus Transceiver	NEW SMD 958-9503	2.59	1.98	1.46	1.26
74ACT16374DLG4	TI	48	SSOP	Tri-State Output 16-Bit D-Type Flip-Flop	NEW SMD 958-9511	2.59	1.98	1.46	1.26

74ABT Advanced Bus Interface Logic (SO)

PHILIPS TEXAS INSTRUMENTS

As well as offering the fastest speeds available, each ABT device delivers low power dissipation and low noise during simultaneous switching of all outputs. In addition the Philips QUBiC advanced BiCMOS process offers standby power of essentially zero.

413351

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
74ABT125D.	PS	14	SOIC	Tri-State Quad Buffer	SMD 568-790‡	1.70	1.36	1.02	0.71
74ABT125D	PS	14	SOIC	Tri-State Quad Buffer	SMD 108-5352	1.75	1.40	1.05	0.74
SN74ABT125D	TI	14	SOIC	Tri-State Quad Buffer	SMD 959-0099	1.25	0.90	0.67	0.45
74ABT244D.	PS	20	SOIC	Octal Tri-State Buffer	SMD 539-077‡	1.63	1.36	1.02	0.71
74ABT244D	PS	20	SOIC	Octal Tri-State Buffer	SMD 108-5348	1.75	1.40	1.05	0.74
74ABT244N	PS	20	DIL	Octal Tri-State Buffer	204-160	1.81	1.45	1.09	0.76
SN74ABT244ADW	TI	20	SOIC	Octal Tri-State Buffer	SMD 959-0145	1.56	1.12	0.84	0.56
74ABT245D.	PS	20	SOIC	Octal Tri-State Transceiver	SMD 539-089‡	1.70	1.36	1.02	0.71
74ABT245D	PS	20	SOIC	Octal Tri-State Transceiver	SMD 108-5349	1.75	1.40	1.05	0.74
SN74ABT245BDW	TI	20	SOIC	Octal Tri-State Transceiver	SMD 959-0153	1.41	1.01	0.76	0.51
SN74ABT245BPW	TI	20	TSSOP	Octal Tri-State Transceiver	SMD 959-0161	1.41	1.01	0.76	0.51
74ABT541D.	PS	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 539-090‡	2.43	1.95	1.46	1.02
74ABT541D	PS	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 108-5350	2.50	2.00	1.50	1.05
SN74ABT541BDW	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	NEW SMD 959-0170	1.80	1.29	0.97	0.65
74ABT573AD.	PS	20	SOIC	Octal D Type Latches	SMD 539-107‡	2.37	1.95	1.46	1.02
74ABT573AD	PS	20	SOIC	Octal D Type Latches	SMD 108-5351	2.50	2.00	1.50	1.05
SN74ABT573ADW	TI	20	SOIC	Octal D Type Latches	SMD 959-0188	1.56	1.12	0.84	0.56
SN74ABT8646DLG4	TI	28	SSOP	Scan Test Device with Octal Bus Transceiver and Register	SMD 959-0196	18.96	14.51	11.91	10.72
SN74ABT16244ADLG4	TI	48	SSOP	Tri-State Output 16-Bit Line Driver	SMD 959-0102	2.35	1.87	1.47	1.02
SN74ABT16245ADLG4	TI	48	SSOP	Tri-State Output 16-Bit Bus Transceiver	SMD 959-0110	2.35	1.87	1.47	1.02
SN74ABT16373ADLG4	TI	48	SSOP	Tri-State Output 16-Bit Transparent Latch	SMD 959-0129	2.58	2.06	1.62	1.12
SN74ABT16374ADLG4	TI	48	SSOP	Tri-State Output 16-Bit D-Type Flip-Flop	SMD 959-0137	2.58	2.06	1.62	1.12

74BCT BiCMOS Logic

NEW TEXAS INSTRUMENTS

411477

Function	Mftrs. List No.	Mftr.	Pins	Pkg	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
Octal Tri-State Transceiver	SN74BCT245DW	TI	20	SOIC	SMD 959-0838	5.72	4.38	3.34
10-Bit Bus/MOS Memory Drivers With 3-State Outputs	SN74BCT2827CDW	TI	24	SOIC	SMD 959-0846	6.38	4.88	3.73

74CBTLV Low Voltage Crossbar Technology Logic

NEW TEXAS INSTRUMENTS

411489

Function	Mftrs. List No.	Mftr.	Pins	Pkg	Order Code	Price Each 1+	25+	100+
						MIXED QUANTITY PRICING		
Tri-State Octal Translating Transceiver	SN74CBTLV3245APW	TI	20	TSSOP	SMD 959-0854	1.72	1.23	0.93
Quad 2:1 Mux/Demux Bus Switch	SN74CBTLV3257PW	TI	16	TSSOP	SMD 959-0862	1.72	1.23	0.93



● Compliant
◄ Non-compliant
++ Limited stock - RoHS replacement available
RoHS

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74LS Low Power Schottky TTL

FAIRCHILD SEMICONDUCTOR ON Semiconductor TEXAS INSTRUMENTS

Low Power Schottky offers the same speed as standard TTL but at one-fifth the power consumption.

413356

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
SN74LS00D	TI	14	SOIC	Quad 2 Input NAND Gate	NEW SMD 959-2156	1.02	0.73	0.55	0.37
SN74LS00N.	TI	14	DIL	Quad 2 Input NAND Gate	110-6069	1.02	0.73	0.55	0.37
SN74LS02N.	TI	14	DIL	Quad 2 Input Positive NOR Gate	110-6071	1.02	0.73	0.55	0.37
SN74LS04D	TI	14	SOIC	Hex Inverter	NEW SMD 959-4574	1.02	0.73	0.55	0.37
SN74LS04N..	TI	14	DIL	Hex Inverter	110-6072	1.17	0.90	0.67	0.43
SN74LS05D	TI	14	SOIC	Hex Inverter (OC)	NEW SMD 959-2164	1.02	0.73	0.55	0.37
SN74LS05N.	TI	14	DIL	Hex Inverter (OC)	237-5280	0.46	– –	– –	– –
SN74LS05N	TI	14	DIL	Hex Inverter (OC)	NEW 110-5903	1.02	0.73	0.55	0.37
SN74LS06D	TI	14	SOIC	Hex Inverter Buffer/Driver (OC)	NEW SMD 959-2172	1.76	1.40	1.10	0.76
SN74LS06NG4	TI	14	DIL	Hex Inverter Buffer/Driver (OC)	NEW 959-2180	1.86	1.48	1.16	0.81
SN74LS07D	TI	14	SOIC	Hex Buffer Driver (OC)	NEW SMD 959-2199	1.76	1.40	1.10	0.76
SN74LS07NG4	TI	14	DIL	Hex Buffer Driver (OC)	NEW 959-2202	3.82	2.92	2.15	1.86
SN74LS08NG4	TI	14	DIL	Quad 2 Input Positive AND Gate	NEW 959-2210	1.36	0.98	0.73	0.49
SN74LS10NG4	TI	14	DIL	Triple 3 Input Positive NAND Gate	NEW 959-2229	1.84	1.46	1.15	0.80
SN74LS14D	TI	14	SOIC	Hex Schmitt Trigger	SMD 959-2326	1.08	0.82	0.62	0.39
SN74LS14N.	TI	14	DIL	Hex Schmitt Trigger	NEW 110-6073	0.98	0.70	0.53	0.35
SN74LS32D	TI	14	SOIC	Quad 2 Input Positive OR Gate	SMD 959-2393	0.94	0.67	0.50	0.34
SN74LS32N.	TI	14	DIL	Quad 2 Input Positive OR Gate	NEW 110-6074	1.10	0.85	0.63	0.40
SN74LS47N.	TI	16	DIL	BCD to 7 Segment Decoder/Driver (15V)	110-6075	2.57	2.10	1.65	1.15
SN74LS74AD	TI	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 959-2466	1.02	0.73	0.55	0.37
SN74LS74AN	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	110-5907	1.02	0.73	0.55	0.37
SN74LS75N.	TI	16	DIL	Quad Bi-Stable Latch	NEW 110-6076	2.69	2.06	1.51	1.31
SN74LS85N.	TI	16	DIL	4 Bit Magnitude Comparator	110-6078	1.80	1.29	0.97	0.65
SN74LS86AN.	TI	14	DIL	Quad 2-Input Exclusive OR Gate	110-6079	0.94	0.67	0.50	0.34
SN74LS123D.	TI	16	SOIC	Dual One Shot Multivibrator	SMD 237-5709	0.42	– –	– –	– –
SN74LS123D	TI	16	SOIC	Dual One Shot Multivibrator	SMD 110-5904	1.33	0.95	0.72	0.48
SN74LS123NE4	TI	16	DIL	Dual One Shot Multivibrator	959-2237	1.33	0.95	0.72	0.48
SN74LS125AD	TI	14	SOIC	Tri-State Quad Buffer	SMD 959-2245	1.33	0.95	0.72	0.48
SN74LS125ANG4	TI	14	DIL	Tri-State Quad Buffer	959-2253	2.56	2.04	1.60	1.11
SN74LS132NG4	TI	14	DIL	Quad Schmitt Trigger	959-2261	2.72	2.17	1.70	1.18
SN74LS138D	TI	16	SOIC	Expandable 3/8 Decoder	SMD 959-2288	1.33	0.95	0.72	0.48
SN74LS138N.	TI	16	DIL	Expandable 3/8 Decoder	NEW 110-6080	1.33	0.95	0.72	0.48
SN74LS139ANG4	TI	16	DIL	Dual 2 to 4 Decoder Demultiplexer	NEW 959-2296	2.55	2.03	1.60	1.11
SN74LS145D	TI	16	SOIC	BCD to Decimal Decoder/Driver (OC)	NEW SMD 959-2300	1.47	1.17	0.94	0.64
SN74LS145NG4	TI	16	DIL	BCD to Decimal Decoder/Driver (OC)	959-2318	3.06	2.34	1.72	1.49
SN74LS157N	TI	16	DIL	Quad 2 Input Multiplexer	110-5906	1.33	0.95	0.72	0.48
SN74LS164NE4	TI	14	DIL	8 Bit Serial In/Parallel Out Shift Register	117-8439	1.30	0.95	0.72	0.48
SN74LS165AD	TI	16	SOIC	8 Bit Parallel In/Serial Out Shift Register	NEW SMD 959-2334	1.17	0.84	0.63	0.42
SN74LS193N.	TI	16	DIL	Synchronous Binary Up/Down Counter	110-6082	1.98	1.58	1.24	0.86
SN74LS240N.	TI	20	DIL	Octal Tri-State Inverter Buffer	NEW 110-6083	1.53	1.12	0.84	0.56
SN74LS244DW	TI	20	SOIC	Octal Tri-State Buffer	SMD 959-2342	1.56	1.12	0.84	0.56
SN74LS244N.	TI	20	DIL	Octal Tri-State Buffer	NEW 110-6084	1.56	1.12	0.84	0.56
SN74LS245DW	TI	20	SOIC	Octal Tri-State Transceiver	NEW SMD 959-2350	1.56	1.12	0.84	0.56
SN74LS245N.	TI	20	DIL	Octal Tri-State Transceiver	NEW 110-6085	1.56	1.12	0.84	0.56
SN74LS247NG4	TI	16	DIL	BCD-To-Seven-Segment Decoders/Drivers	959-2369	5.09	3.90	2.98	2.62
SN74LS259BNG4	TI	16	DIL	8 Bit Addressable Latch	959-2377	3.01	2.30	1.69	1.46
SN74LS273NG4	TI	20	DIL	Octal D Type Flip/Flop with Clear	959-2385	1.69	1.21	0.91	0.61
SN74LS373DW	TI	20	SOIC	Tri-State Octal Transparent Latch	SMD 959-2407	1.56	1.12	0.84	0.56
SN74LS373N.	TI	20	DIL	Tri-State Octal Transparent Latch	110-6086	1.56	1.12	0.84	0.56
SN74LS374DW	TI	20	SOIC	Tri-State Octal D Flip/Flop	SMD 959-2415	1.56	1.12	0.84	0.56
SN74LS374NG4	TI	20	DIL	Tri-State Octal D Flip/Flop	959-2423	2.83	2.25	1.77	1.23
SN74LS390N.	TI	16	DIL	Dual Decade Ripple Counter	541-7041	2.05	1.64	1.29	0.89
SN74LS390NE4	TI	16	DIL	Dual Decade Ripple Counter	121-4446	2.05	1.64	1.29	0.89
SN74LS393N.	TI	14	DIL	Dual 4 Bit Binary Ripple Counter	NEW 110-6087	1.68	1.34	1.07	0.73
SN74LS541DWG4	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 959-2431	3.06	2.34	1.72	1.49
SN74LS541NG4	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	NEW 959-2440	1.64	1.30	1.04	0.71
SN74LS684N	TI	20	DIL	8 Bit Magnitude Comparator	541-7065	7.70	5.89	4.50	3.96
SN74LS684NE4	TI	20	DIL	8 Bit Magnitude Comparator	121-4447	7.70	5.89	4.50	3.96
SN74LS688NG4	TI	20	DIL	8 Bit Magnitude Comparator	NEW 959-2458	3.42	2.67	1.96	1.70

74ALS Advanced Low Power Schottky TTL

FAIRCHILD SEMICONDUCTOR TEXAS INSTRUMENTS

413363

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
DM74ALS00AN..	FCH	14	DIL	Quad 2 Input NAND Gate	792-275▲‡	0.91	0.68	0.51	0.38
DM74ALS00AN	FCH	14	DIL	Quad 2 Input NAND Gate	101-4162	1.08	0.77	0.58	0.39
SN74ALS00AD	TI	14	SOIC	Quad 2 Input NAND Gate	SMD 958-9392	1.17	0.84	0.63	0.42
SN74ALS00AN	TI	14	DIL	Quad 2 Input NAND Gate	NEW 110-5945	1.29	0.93	0.69	0.47
DM74ALS02N	FCH	14	DIL	Quad 2 Input Positive NOR Gate	792-263▲	0.91	0.68	0.51	0.38
SN74ALS02AN	TI	14	DIL	Quad 2 Input Positive NOR Gate	110-5946	1.21	0.87	0.65	0.44
DM74ALS03BN	FCH	14	DIL	Quad 2 Input Positive NAND Gate	792-299▲	0.79	0.59	0.44	0.33
DM74ALS04BM	FCH	14	SOIC	Hex Inverter	SMD 632-508▲	0.82	0.62	0.46	0.34
DM74ALS04BN	FCH	14	DIL	Hex Inverter	792-305▲	0.91	0.68	0.51	0.38
SN74ALS04BD	TI	14	SOIC	Hex Inverter	SMD 958-9406	1.17	0.84	0.63	0.42
SN74ALS04BN..	TI	14	DIL	Hex Inverter	377-223	1.14	0.82	0.61	0.41
SN74ALS04BN	TI	14	DIL	Hex Inverter	NEW 110-5947	1.21	0.87	0.65	0.44
DM74ALS05AN	FCH	14	DIL	Hex Inverter (OC)	101-4163	1.08	0.77	0.58	0.39

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
SN74ALS08N..	TI	14	DIL	Quad 2 Input Positive AND Gate	377-247	1.68	1.21	0.91	0.61
SN74ALS08N	TI	14	DIL	Quad 2 Input Positive AND Gate	110-5948●	1.21	0.87	0.65	0.44
SN74ALS74AN	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	110-5950●	1.41	1.01	0.76	0.51
DM74ALS09N	FCH	14	DIL	Quad 2 Input Positive AND Gate (OC)	792-317▲	0.91	0.68	0.51	0.38
DM74ALS10AN	FCH	14	DIL	Triple 3 Input Positive NAND Gate	792-329▲	0.91	0.68	0.51	0.38
DM74ALS11AN	FCH	14	DIL	Triple 3 Input Positive AND Gate	793-127▲	0.91	0.68	0.51	0.38
DM74ALS14N	FCH	14	DIL	Hex Schmitt Trigger	101-4176●	4.15	3.27	2.41	2.08
DM74ALS20AN	FCH	14	DIL	Dual 4 Input Positive NAND Gate	793-140▲	0.79	0.59	0.44	0.33
DM74ALS21AN	FCH	14	DIL	Dual 4 Input Positive AND Gate	793-152▲	0.79	0.59	0.44	0.33
DM74ALS27N	FCH	14	DIL	Triple 3 Input NOR Gate	792-330▲	0.99	0.74	0.56	0.41
DM74ALS32M	FCH	14	SOIC	Quad 2 Input Positive OR Gate	SMD 632-510▲	0.95	0.62	0.46	0.34
DM74ALS32N..	FCH	14	DIL	Quad 2 Input Positive OR Gate	792-342▲‡	1.02	0.77	0.57	0.42
DM74ALS32N	FCH	14	DIL	Quad 2 Input Positive OR Gate	101-4164●	1.21	0.87	0.65	0.44
SN74ALS32N	TI	14	DIL	Quad 2 Input Positive OR Gate	110-5949	1.17	0.84	0.63	0.42
SN74ALS32NE4	TI	14	DIL	Quad 2 Input Positive OR Gate	121-9427●	1.17	0.84	0.63	0.42
SN74ALS573CN..	TI	20	DIL	Dual J-K Master Slave Flip/Flop	377-510	1.95	1.56	1.22	0.85
SN74ALS573CN	TI	20	DIL	Dual J-K Master Slave Flip/Flop	110-5960●	1.80	1.29	0.97	0.65
DM74ALS74AM	FCH	14	SOIC	Dual D Type Edge Triggered Flip/Flop	SMD 632-521▲	1.29	0.63	0.52	0.39
DM74ALS74AN	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	792-457▲	1.14	0.82	0.61	0.41
SN74ALS574BN..	TI	20	DIL	Dual D Type Edge Triggered Flip/Flop	377-521	1.95	1.56	1.22	0.85
SN74ALS574BN	TI	20	DIL	Dual D Type Edge Triggered Flip/Flop	110-5961●	1.80	1.29	0.97	0.65
SN74ALS74AN..	TI	14	DIL	Dual D Type Edge Triggered Flip/Flop	377-296	2.07	1.48	1.09	0.75
DM74ALS86N.	FCH	14	DIL	Quad 2-Input Exclusive OR Gate	792-469▲‡	0.99	0.74	0.56	0.41
DM74ALS86N	FCH	14	DIL	Quad 2-Input Exclusive OR Gate	101-4170●	1.18	0.84	0.63	0.42
DM74ALS125N.	FCH	14	DIL	Tri-State Quad Buffer	792-913▲‡	2.68	2.14	1.61	1.50
DM74ALS125N	FCH	14	DIL	Tri-State Quad Buffer	101-4175●	3.17	2.43	1.79	1.54
DM74ALS138M.	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 632-533▲‡	1.70	1.23	0.99	0.74
DM74ALS138M	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 101-4078●	1.70	1.40	1.10	0.76
DM74ALS138N..	FCH	16	DIL	Expandable 3/8 Decoder	792-470▲‡	1.09	0.78	0.58	0.39
DM74ALS138N	FCH	16	DIL	Expandable 3/8 Decoder	101-4172●	1.09	0.80	0.60	0.40
SN74ALS138N	TI	16	DIL	Expandable 3/8 Decoder	110-5951●	1.63	1.17	0.88	0.59
DM74ALS151N	FCH	16	DIL	8 Line Multiplexer	793-188▲	1.09	0.78	0.58	0.39
DM74ALS153N.	FCH	16	DIL	Dual 4 Input Multiplexer	793-176▲‡	1.27	0.91	0.68	0.46
DM74ALS153N	FCH	16	DIL	Dual 4 Input Multiplexer	101-4177●	1.27	0.94	0.70	0.47
DM74ALS163BN	FCH	16	DIL	Binary Synchronous 4 Bit Counter	792-482▲	1.27	0.91	0.68	0.46
DM74ALS175N	FCH	16	DIL	Quad D Type Edge Triggered Flip/Flop	793-073▲	1.32	0.95	0.71	0.48
DM74ALS240AN	FCH	20	DIL	Octal Tri-State Inverter Buffer	792-494▲	1.49	0.97	0.80	0.54
SN74ALS240AN	TI	20	DIL	Octal Tri-State Inverter Buffer	110-5952●	1.47	1.17	0.94	0.64
DM74ALS244AN..	FCH	20	DIL	Octal Tri-State Buffer	792-500▲‡	1.40	1.17	0.93	0.70
DM74ALS244AN	FCH	20	DIL	Octal Tri-State Buffer	101-4173●	1.40	1.17	0.93	0.70
DM74ALS244AWM.	FCH	20	SOIC	Octal Tri-State Buffer	SMD 632-545▲‡	1.79	1.49	1.19	0.89
DM74ALS244AWM	FCH	20	SOIC	Octal Tri-State Buffer	SMD 101-4082●	2.11	1.69	1.32	0.92
SN74ALS244CDW	TI	20	SOIC	Octal Tri-State Buffer	SMD 958-9414●	1.80	1.29	0.97	0.65
SN74ALS244CN..	TI	20	DIL	Octal Tri-State Buffer	377-405	1.70	1.25	0.94	0.63
SN74ALS244CN	TI	20	DIL	Octal Tri-State Buffer	NEW 110-5953●	1.80	1.29	0.97	0.65
DM74ALS245AN..	FCH	20	DIL	Octal Tri-State Transceiver	792-512▲‡	1.83	0.84	0.72	0.54
DM74ALS245AN	FCH	20	DIL	Octal Tri-State Transceiver	101-4174●	1.39	1.00	0.75	0.50
SN74ALS245ADW..	TI	20	SOIC	Octal Tri-State Transceiver	SMD 526-046	1.54	1.11	0.83	0.56
SN74ALS245ADW	TI	20	SOIC	Octal Tri-State Transceiver	SMD 110-6068●	1.88	1.35	1.01	0.68
SN74ALS245AN..	TI	20	DIL	Octal Tri-State Transceiver	377-417	2.07	1.48	1.09	0.75
SN74ALS245AN	TI	20	DIL	Octal Tri-State Transceiver	110-5955●	1.88	1.35	1.01	0.68
DM74ALS273N	FCH	20	DIL	Octal D Type Flip/Flop with Clear	792-524▲	1.63	1.06	0.87	0.59
DM74ALS273WM.	FCH	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 632-569▲‡	2.14	1.79	1.43	1.07
DM74ALS273WM	FCH	20	SOIC	Octal D Type Flip/Flop with Clear	SMD 101-4083●	2.54	2.02	1.59	1.10
DM74ALS373N	FCH	20	DIL	Tri-State Octal Transparent Latch	792-536▲	1.53	1.00	0.75	0.55
DM74ALS373WM	FCH	20	SOIC	Tri-State Octal Transparent Latch	SMD 101-4084●	2.11	1.69	1.32	0.92
SN74ALS374AN..	TI	20	DIL	Tri-State Octal D Flip/Flop	377-454	1.95	1.56	1.22	0.85
SN74ALS374AN	TI	20	DIL	Tri-State Octal D Flip/Flop	110-5956●	1.80	1.29	0.97	0.65
DM74ALS534N	FCH	20	DIL	Inverting Octal D Flip/Flop	792-639▲	2.04	1.62	1.27	0.88
DM74ALS540AN	FCH	20	DIL	Octal Buffer and Line DR/RX Inverted	792-354▲	1.89	1.51	1.19	0.82
SN74ALS540DW	TI	20	SOIC	Octal Buffer and Line DR/RX Inverted	SMD 959-0803●	3.47	2.66	1.96	1.69
SN74ALS540N..	TI	20	DIL	Octal Buffer and Line DR/RX Inverted	377-480	1.70	1.22	0.91	0.61
SN74ALS540N	TI	20	DIL	Octal Buffer and Line DR/RX Inverted	110-5958●	3.47	2.66	1.96	1.69
DM74ALS541N.	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	792-366▲‡	1.93	1.41	1.14	0.84
DM74ALS541N	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	101-4165●	1.93	1.58	1.24	0.86
DM74ALS541WM.	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 632-594▲‡	2.67	1.87	1.40	1.31
DM74ALS541WM	FCH	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	NEW SMD 101-4085●	2.67	2.12	1.56	1.35
SN74ALS541DWG4	TI	20	SOIC	Octal Buffer and Line DR/RX Non-Inverting	SMD 959-0811●	4.65	3.56	2.62	2.27
SN74ALS541N..	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	377-491	5.30	4.22	3.32	2.30
SN74ALS541N	TI	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	110-5959●	2.17	1.73	1.36	0.94
DM74ALS573BN..	FCH	20	DIL	Octal D Type Latches	792-378▲‡	1.58	1.26	1.01	0.69
DM74ALS573BN	FCH	20	DIL	Octal D Type Latches	101-4166●	1.58	1.30	1.04	0.71
SN74ALS573CDW	TI	20	SOIC	Octal D Type Latches	NEW SMD 959-0820●	1.80	1.29	0.97	0.65
DM74ALS574AN	FCH	20	DIL	Octal D Type Flip/Flop	101-4167●	1.80	1.50	1.20	0.90
DM74ALS645AN..	FCH	20	DIL	Octal Bus Transceiver	792-408▲‡	3.32	2.31	1.73	1.62
DM74ALS645AN	FCH	20	DIL	Octal Bus Transceiver	101-4168●	3.32	2.62	1.93	1.67
DM74ALS652NT	FCH	24	DIL	Octal Bus Transceiver Non-Inverting	101-4169●	7.92	6.24	4.77	4.19

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74F 'FAST' TTL

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74F offer very high switching speeds together with the output drive capability of LS TTL.

413364

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
74F00PC..	FCH	14	DIL	Quad 2 Input NAND Gate	376-061▲	0.68	0.50	0.38	0.26
74F00SC	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 632-636▲	0.88	0.70	0.53	0.37
N74F00N	PS	14	DIL	Quad 2 Input NAND Gate	376-590●	1.00	0.80	0.60	0.40
74F02PC	FCH	14	DIL	Quad 2 Input Positive NOR Gate	376-073▲	0.84	0.67	0.46	0.35
74F02SC	FCH	14	SOIC	Quad 2 Input Positive NOR Gate	SMD 632-648▲	0.77	0.62	0.42	0.32
74F04PC..	FCH	14	DIL	Hex Inverter	376-085▲‡	0.78	0.62	0.43	0.32
74F04PC	FCH	14	DIL	Hex Inverter	101-3884●	0.78	0.62	0.43	0.32
SN74F04D..	TI	14	SOIC	Hex Inverter	SMD 485-573	1.00	0.78	0.53	0.36
SN74F04D	TI	14	SOIC	Hex Inverter	SMD 110-6054●	0.88	0.67	0.50	0.32
N74F07N	PS	14	DIL	Hex driver with open collector outputs	120-1276●	4.07	2.51	2.02	– –
74F08PC..	FCH	14	DIL	Quad 2 Input Positive AND Gate	376-097▲‡	0.68	0.50	0.38	0.26
74F08PC	FCH	14	DIL	Quad 2 Input Positive AND Gate	101-3885●	0.74	0.57	0.39	0.26
74F10PC	FCH	14	DIL	Triple 3 Input Positive NAND Gate	376-103▲	0.77	0.62	0.42	0.32
74F11PC	FCH	14	DIL	Triple 3 Input Positive AND Gate	376-115▲	0.55	0.42	0.29	0.20
74F14PC..	FCH	14	DIL	Hex Schmitt Trigger	376-127▲‡	0.79	0.61	0.42	0.28
74F14PC	FCH	14	DIL	Hex Schmitt Trigger	101-3886●	0.79	0.63	0.43	0.29
74F30PC	FCH	14	DIL	8 Input Positive NAND Gate	376-152▲	0.86	0.54	0.42	0.33
74F32PC..	FCH	14	DIL	Quad 2 Input Positive OR Gate	376-164▲‡	0.88	0.71	0.53	0.37
74F32PC	FCH	14	DIL	Quad 2 Input Positive OR Gate	101-3887●	1.05	0.80	0.60	0.38
74F38PC	FCH	14	DIL	Quad 2 Input NAND Buffer (OC)	376-188▲	0.75	0.48	0.36	0.30
74F38SC	FCH	14	SOIC	Quad 2 Input NAND Buffer (OC)	SMD 632-685▲	0.81	0.60	0.42	0.30
74F74PC..	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	376-190▲‡	0.89	0.64	0.44	0.33
74F74PC	FCH	14	DIL	Dual D Type Edge Triggered Flip/Flop	101-3888●	0.94	0.72	0.50	0.34
74F86PC.	FCH	14	DIL	Quad 2-Input Exclusive OR Gate	376-206▲‡	1.02	0.77	0.57	0.42
74F86PC	FCH	14	DIL	Quad 2-Input Exclusive OR Gate	101-3891●	1.21	0.87	0.65	0.44
74F112PC.	FCH	16	DIL	Dual J-K Negative Edge Triggered Flip/Flop	376-218▲‡	0.95	0.76	0.52	0.39
74F112PC	FCH	16	DIL	Dual J-K Negative Edge Triggered Flip/Flop	101-3892●	1.13	0.86	0.59	0.40
74F125PC	FCH	14	DIL	Tri-State Quad Buffer	376-231▲	1.13	0.81	0.55	0.42
74F125SC..	FCH	14	SOIC	Tri-State Quad Buffer	SMD 632-715▲‡	0.96	0.73	0.50	0.34
74F125SC	FCH	14	SOIC	Tri-State Quad Buffer	SMD 101-4086●	0.96	0.76	0.52	0.35
74F138PC..	FCH	16	DIL	Expandable 3/8 Decoder	376-243▲‡	1.23	0.90	0.60	0.44
74F138PC	FCH	16	DIL	Expandable 3/8 Decoder	101-3893●	1.23	0.97	0.67	0.45
74F138SC..	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 632-727▲‡	1.23	0.86	0.60	0.44
74F138SC	FCH	16	SOIC	Expandable 3/8 Decoder	SMD 101-4087●	1.23	0.97	0.67	0.45
74F14PC	FCH	14	DIL	Hex Schmitt Trigger	101-3886●	0.79	0.63	0.43	0.29
SN74F138D	TI	16	SOIC	Expandable 3/8 Decoder	SMD 959-4558●	1.08	0.82	0.62	0.39
74F139PC	FCH	16	DIL	Dual 2 to 4 Decoder Demultiplexer	376-255▲	1.23	0.90	0.60	0.44
74F153PC	FCH	16	DIL	Dual 4 Input Multiplexer	376-267▲	1.16	0.88	0.60	0.41
74F157APC	FCH	16	DIL	Quad 2 Input Multiplexer	376-279▲	1.16	0.88	0.61	0.41
74F161APC	FCH	16	DIL	Synchronous 4 Bit Binary Counter	376-292▲	1.41	0.99	0.69	0.51
74F163APC	FCH	16	DIL	Binary Synchronous 4 Bit Counter	376-309▲	1.41	0.93	0.69	0.51
74F164APC	FCH	14	DIL	8 Bit Serial In/Parallel Out Shift Register	376-310▲	1.32	0.97	0.75	0.54
74F174PC	FCH	16	DIL	Hex D Type Flip/Flop with Clear	376-334▲	1.44	1.03	0.70	0.52
74F174SC	FCH	16	SOIC	Hex D Type Flip/Flop with Clear	SMD 632-752▲	1.16	0.87	0.65	0.48
74F175PC	FCH	16	DIL	Quad D Type Edge Triggered Flip/Flop	376-346▲	1.49	0.97	0.73	0.54
74F193PC..	FCH	16	DIL	Synchronous Binary Up/Down Counter	376-371▲‡	3.26	2.61	2.04	1.92
74F193PC	FCH	16	DIL	Synchronous Binary Up/Down Counter	101-3894●	3.26	2.61	2.04	1.92
74F240PC.	FCH	20	DIL	Octal Tri-State Inverter Buffer	376-383▲‡	1.33	1.00	0.75	0.55
74F240PC	FCH	20	DIL	Octal Tri-State Inverter Buffer	101-3895●	1.58	1.13	0.85	0.57
74F244PC	FCH	20	DIL	Octal Tri-State Buffer	376-401▲	1.50	1.12	0.84	0.62
74F245PC	FCH	20	DIL	Octal Tri-State Transceiver	101-3896●	1.36	0.98	0.73	0.49
74F245SC.	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 632-776▲‡	1.50	1.12	0.84	0.62
74F245SC	FCH	20	SOIC	Octal Tri-State Transceiver	SMD 101-4088●	1.77	1.27	0.95	0.64
SN74F245DW	TI	20	SOIC	Octal Tri-State Transceiver	SMD 958-9422●	1.25	0.90	0.67	0.45
74F257APC	FCH	16	DIL	Tri-State Quad 2 Input Multiplexer	376-437▲	1.35	0.97	0.73	0.49
74F373PC.	FCH	20	DIL	Tri-State Octal Transparent Latch	376-450▲‡	1.50	1.12	0.84	0.62
74F373PC	FCH	20	DIL	Tri-State Octal Transparent Latch	101-3897●	1.77	1.27	0.95	0.64
74F373SC	FCH	20	SOIC	Tri-State Octal Transparent Latch	SMD 632-788▲	1.29	0.78	0.69	0.54
74F374PC	FCH	20	DIL	Tri-State Octal D Flip/Flop	376-462▲	1.50	1.12	0.84	0.62
74F521PC..	FCH	20	DIL	Octal Comparator	376-474▲‡	1.43	1.19	0.95	0.71
74F521PC	FCH	20	DIL	Octal Comparator	101-3898●	1.69	1.35	1.08	0.74
74F541PC..	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	376-486▲‡	2.28	1.70	1.28	1.19
74F541PC	FCH	20	DIL	Octal Buffer and Line DR/RX Non-Inverting	101-3899●	2.52	1.93	1.42	1.23
74F543SPC	FCH	24	DIL	Octal Registered Transceiver	101-3900●	3.18	2.50	1.84	1.59
74F573PC.	FCH	20	DIL	Octal D Type Latches	376-504▲‡	1.92	1.33	0.91	0.69
74F573PC	FCH	20	DIL	Octal D Type Latches	101-3901●	1.92	1.51	1.04	0.71
74F574PC	FCH	20	DIL	Octal D Type Flip/Flop	376-516▲	1.26	1.20	0.96	0.69
CY74FCT825CTQCT	TI	24	SSOP	74FCT, 8-Bit Bus Interface Flip-Flops with 3-State Outputs	SMD 838-9144●	1.76	1.40	1.10	0.76
74F827SPC	FCH	24	DIL	10 Bit Buffer/Line Driver	376-565▲	2.98	2.38	1.79	1.67

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74 TTL

Designed for use in basic circuits where speed and power consumption are not critical.

413366

Mftrs. List No.	Mftrs. List No.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+
						MIXED QUANTITY PRICING			
SN7400N..	TI	14	DIL	Quad 2 Input NAND Gate	372-183	1.65	1.31	1.05	0.72
SN7400N	TI	14	DIL	Quad 2 Input NAND Gate	NEW 110-5937●	2.05	1.64	1.29	0.89
SN7404NG4	TI	14	DIL	Hex Inverter	NEW 959-0056●	2.49	1.98	1.56	1.08
SN7406D	TI	14	SOIC	Hex Inverter Buffer/Driver (OC)	NEW SMD 959-0064●	1.88	1.50	1.18	0.82
SN7406N..	TI	14	DIL	Hex Inverter Buffer/Driver (OC)	372-304	1.40	1.00	0.75	0.51
SN7406N	TI	14	DIL	Hex Inverter Buffer/Driver (OC)	NEW 110-5938●	2.05	1.64	1.29	0.89
SN7407D	TI	14	SOIC	Hex Buffer Driver (OC)	NEW SMD 959-0072●	1.88	1.50	1.18	0.82
SN7407N..	TI	14	DIL	Hex Buffer Driver (OC)	372-330	1.39	1.00	0.75	0.50
SN7407N	TI	14	DIL	Hex Buffer Driver (OC)	110-5939●	1.88	1.50	1.18	0.82
SN7417N..	TI	14	DIL	Hex Buffer/Driver (OC)	372-493	1.65	1.31	1.05	0.72
SN7417N	TI	14	DIL	Hex Buffer/Driver (OC)	110-5940●	2.23	1.78	1.40	0.97
SN7425N..	TI	14	DIL	Dual 4 Input Positive NOR Gate	372-535	2.73	2.17	1.71	1.19
SN7425N	TI	14	DIL	Dual 4 Input Positive NOR Gate	NEW 110-5941●	2.84	2.28	1.68	1.45
SN7447ANG4	TI	16	DIL	BCD to 7 Segment Decoder/Driver (15V)	NEW 959-0080●	7.60	5.81	4.44	3.90
SN74121N..	TI	14	DIL	One Shot Multivibrator	372-936	3.23	2.47	1.82	1.57
SN74121N	TI	14	DIL	One Shot Multivibrator	110-5943●	3.70	2.92	2.15	1.86
SN74123N	TI	16	DIL	Dual One Shot Multivibrator	110-5908●	4.11	3.14	2.31	2.00
SN74128N..	TI	16	DIL	Quad 2 Input NOR Line Driver	373-000	3.07	2.45	1.92	1.33
SN74128N	TI	16	DIL	Quad 2 Input NOR Line Driver	110-5944●	2.64	2.02	1.49	1.29
SN74150N	TI	24	DIL	16 Line Multiplexer	110-5909●	4.97	3.80	2.90	2.55

4000 CMOS

4000 CMOS offers low power consumption, high noise immunity and operates over 3V to 15V (18V max.).

413385

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
CD4001BCM	FCH	14	SOIC	Quad 2 Input NOR Gate	SMD 101-4053●	0.90	0.70	0.48	0.33	– –
CD4001BE..	TI	14	DIL	Quad 2 Input NOR Gate	573-619	0.95	0.74	0.50	0.34	– –
CD4001BE	TI	14	DIL	Quad 2 Input NOR Gate	110-6096	0.94	0.75	0.56	0.36	– –
HCF4001BM1	ST	14	SOIC	Quad 2 Input NOR Gate	SMD 109-4184●	0.62	0.47	0.41	0.32	– –
HEF4001BP	PS	14	DIL	Quad 2 Input NOR Gate	384-434●	0.87	0.69	0.52	0.35	– –
HEF4001BT.	PS	14	SOIC	Dual 2 Input NAND Gate (Driver)	SMD 386-870‡	0.65	0.52	0.39	0.26	– –
HEF4001BT	PS	14	SOIC	Dual 2 Input NAND Gate (Driver)	SMD 108-5277●	0.67	0.54	0.40	0.27	– –
MC14001BCPG	ON	14	DIL	Quad 2-Input NOR Gate	966-5455●	1.10	0.85	0.64	0.41	– –
MC14001BDG	ON	14	SOIC	Quad 2-Input NOR Gate	SMD 966-6303●	0.75	0.58	0.44	0.28	– –
MC14001UBDG	ON	14	SOIC	Quad 2 Input NOR Gate	SMD 119-1820●	0.89	0.68	0.52	0.33	– –
HEF4002BP	PS	14	DIL	Dual 4 Input NOR Gate	384-471●	1.33	1.07	0.80	0.53	– –
HEF4002BT	PS	14	SOIC	Dual 4 Input NOR Gate	SMD 108-5278●	0.90	0.72	0.54	0.36	– –
HCF4007UBEY	ST	14	DIL	Dual Complementary Pair plus Inverter	975-5543●	0.62	0.47	0.41	0.32	– –
MC14007UBCPG	ON	14	DIL	4000 CMOS	966-4556●	1.14	0.88	0.66	0.42	– –
MC14007UBDG	ON	14	SOIC	Dual Comparator Pair Plus Inverter	SMD 966-5110●	0.75	0.58	0.44	0.28	– –
MC14008BCPG	ON	16	DIL	4-Bit Full Adder	966-5757●	1.54	1.12	0.84	0.56	– –
HCF4009UBEY	ST	16	DIL	Hex Buffer (Inverting)	120-9160●	2.02	1.43	1.04	0.55	– –
CD4011BCM	FCH	14	SOIC	Quad 2 Input NAND Gate	SMD 101-4056●	0.90	0.70	0.48	0.33	– –
CD4011BE..	TI	14	DIL	Quad 2 Input NAND Gate	573-632	0.99	0.77	0.53	0.36	– –
CD4011BE	TI	14	DIL	Quad 2 Input NAND Gate	110-6098●	0.94	0.75	0.56	0.36	– –
HCF4011BM1.	ST	14	SOIC	Quad 2 Input NAND Gate	SMD 311-5781▲	0.62	0.47	0.41	0.32	– –
HCF4011BM1	ST	14	SOIC	Quad 2 Input NAND Gate	SMD 109-4186●	0.63	0.49	0.43	0.33	– –
HEF4011BP	PS	14	DIL	Quad 2 Input NAND Gate	384-574●	0.87	0.69	0.52	0.35	– –
HEF4011BT.	PS	14	SOIC	Quad 2 Input NAND Gate	SMD 386-893‡	0.65	0.52	0.39	0.26	– –
HEF4011BT	PS	14	SOIC	Quad 2 Input NAND Gate	SMD 108-5279●	0.67	0.54	0.40	0.27	– –
HEF4011UBP	PS	14	DIL	Quad 2 Input NAND Gate	120-1286●	1.14	0.94	0.65	0.51	– –
MC14011BCPG	ON	14	DIL	Quad 2-Input NAND Gate	966-5463●	1.10	0.85	0.64	0.41	– –
MC14011BDG	ON	14	SOIC	Quad 2-Input NAND Gate	SMD 966-6311●	0.93	0.71	0.54	0.34	– –
MC14012BCPG	ON	14	DIL	4000 CMOS	966-4572●	1.17	0.90	0.68	0.43	– –
MC14012BDG	ON	14	SOIC	4000 SERIES CMOS LOGIC (SO)	SMD 966-4840●	0.75	0.58	0.44	0.28	– –
CD4013BCN	FCH	14	DIL	Dual D Flip/Flop with Set/Reset	101-4035●	1.12	0.86	0.64	0.41	– –
CD4013BCM	FCH	14	SOIC	Dual D Flip/Flop with Set/Reset	SMD 101-4057●	0.90	0.70	0.48	0.33	– –
CD4013BE..	TI	14	DIL	Dual D Flip/Flop with Set/Reset	573-644	0.81	0.62	0.47	0.30	– –
CD4013BE	TI	14	DIL	Dual D Flip/Flop with Set/Reset	110-6099●	0.94	0.75	0.56	0.36	– –
CD4013BM	TI	14	SOIC	D Type Flip-Flop, 4000 CMOS Logic	SMD 112-2459●	0.85	0.64	0.44	– –	– –
HCF4013BM1	ST	14	SOIC	Dual D Flip/Flop with Set/Reset	SMD 109-4187●	0.82	0.63	0.55	0.43	– –
HEF4013BP	PS	14	DIL	Dual D Flip/Flop with Set/Reset	384-630●	1.25	1.00	0.75	0.50	– –
HEF4013BT	PS	14	SOIC	Dual D Flip/Flop with Set/Reset	SMD 120-1288●	0.84	0.67	0.50	0.33	– –
MC14013BCPG	ON	14	DIL	Dual Type D Flip-Flop	966-5471●	1.17	0.90	0.68	0.43	– –
MC14013BDG	ON	14	SOIC	Dual Type D Flip-Flop	SMD 966-6320●	0.84	0.65	0.49	0.31	– –
MC14014BCPG	ON	16	DIL	4000 CMOS	966-4580●	1.30	0.93	0.69	0.47	– –
MC14014BDG	ON	16	SOIC	8-Bit Static Shift register	SMD 966-5129●	1.02	0.73	0.55	0.37	– –
CD4015BE	TI	16	DIL	Registers, 4000 CMOS Logic	225-6447●	1.24	0.94	0.62	– –	– –
HCF4015BEY	ST	16	DIL	Dual 4 Bit Static Shift Register	311-8587▲	1.54	1.18	1.03	0.80	– –
HEF4015BP	PS	16	DIL	Dual 4 Bit Static Shift Register	384-677●	1.30	1.04	0.78	0.52	– –
MC14015BCPG	ON	16	DIL	4000 CMOS	966-4599●	1.30	0.93	0.69	0.47	– –
MC14015BDG	ON	16	SOIC	4000 SERIES CMOS LOGIC (SO)	SMD 966-4858●	1.09	0.78	0.58	0.39	– –
CD4016BCM	FCH	14	SOIC	Quad Bi-Lateral Switch	SMD 101-4058●	0.88	0.70	0.48	0.33	– –
CD4016BCN	FCH	14	DIL	Quad Bi-Lateral Switch	101-4070●	0.82	0.62	0.47	0.30	– –
HEF4016BP	PS	14	DIL	Quad Bi-Lateral Switch	384-690●	1.03	0.82	0.62	0.41	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1402 Date: 21-08-06 time: 23:38

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
MC14016BCPG	ON	14	DIL	Quad Analog Switch/Quad Multiplexer	966-5706	1.17	0.90	0.68	0.43	– –
MC14016BDG	ON	14	SOIC	Quad Analog Switch/Quad Multiplexer	SMD 966-6338	0.93	0.71	0.54	0.34	– –
CD4017BE..	TI	16	DIL	Decade Counter/Divider	573-656	1.26	0.90	0.68	0.45	– –
CD4017BE	TI	16	DIL	Decade Counter/Divider	110-6100	0.94	0.67	0.50	0.34	– –
HEF4017BP	PS	16	DIL	Decade Counter/Divider	384-720	1.36	1.08	0.81	0.54	– –
HEF4017BT.	PS	16	SOIC	Decade Counter/Divider	SMD 386-959‡	1.11	0.89	0.67	0.45	– –
HEF4017BT	PS	16	SOIC	Decade Counter/Divider	SMD 108-5280	1.15	0.92	0.69	0.46	– –
MC14017BCPG	ON	16	DIL	4000 CMOS	966-6621	1.40	1.00	0.75	0.50	– –
MC14018BCPG	ON	16	DIL	4000 CMOS	966-4602	1.57	1.12	0.84	0.57	– –
MC14018BD	ON	16	SOIC	Presettable Divide-by-N Counter	SMD 354-8340	1.10	0.78	0.59	0.39	– –
CD4020BE..	TI	16	DIL	14 Stage Ripple Carry Binary Counter	573-668	1.08	0.79	0.59	0.40	– –
CD4020BE	TI	16	DIL	14 Stage Ripple Carry Binary Counter	110-6101	1.08	0.79	0.59	0.40	– –
HEF4020BP	PS	16	DIL	14 Stage Ripple Carry Binary Counter	384-781	1.26	1.04	0.78	0.52	– –
HCF4020BEY	ST	16	DIL	14 Stage Ripple Carry Binary Counter	109-4188	1.47	1.13	0.99	0.77	– –
MC14020BCPG	ON	16	DIL	14-Bit Binary Counter	966-5480	1.56	1.11	0.83	0.56	– –
CD4021BCM	FCH	16	SOIC	8 Bit Static Shift Register	SMD 101-4059	1.02	0.73	0.55	0.37	– –
CD4021BCN	FCH	16	DIL	8 Bit Static Shift Register	101-4036	1.02	0.73	0.55	0.37	– –
HCF4021BEY	ST	16	DIL	8 Bit Static Shift Register	311-8642	1.50	1.15	1.00	0.78	– –
HCF4021BM1	ST	16	SOIC	8 Bit Static Shift Register	SMD 311-5823	1.50	1.15	1.00	0.78	– –
HEF4021BP	PS	16	DIL	8 Bit Static Shift Register	384-800	1.30	1.04	0.78	0.52	– –
MC14020BDG	ON	16	SOIC	8 Bit Static Shift Register	SMD 119-1821	1.20	0.86	0.64	0.43	– –
MC14021BCPG	ON	16	DIL	8-Bit Static Shift Register	966-5498	1.20	0.86	0.65	0.43	– –
MC14021BDG	ON	16	SOIC	8-Bit Static Shift Register	SMD 966-6346	1.03	0.74	0.55	0.37	– –
MC14022BDG	ON	16	SOIC	Octal Counter	SMD 966-5137	1.25	0.89	0.67	0.45	– –
HEF4023BP	PS	14	DIL	Triple 3 Input NAND Gate	384-847	0.87	0.69	0.52	0.35	– –
MC14023BCPG	ON	14	DIL	Triple 3-Input NAND Gate	966-5501	1.10	0.85	0.64	0.41	– –
MC14023BDG	ON	14	SOIC	Triple 3 Input NAND Gate	SMD 119-1823	1.02	0.78	0.58	0.37	– –
HEF4024BP	PS	14	DIL	7 Bit Binary Counter	384-860	1.30	1.04	0.78	0.52	– –
MC14024BCPG	ON	14	DIL	4000 CMOS	966-4610	1.23	0.89	0.67	0.45	– –
MC14024BDG	ON	14	SOIC	4000 SERIES CMOS LOGIC (SO)	SMD 966-4866	0.93	0.71	0.54	0.34	– –
HCF4025BEY	ST	14	DIL	Triple 3 Input NOR Gate	311-8680	0.62	0.47	0.41	0.32	– –
HEF4025BP	PS	14	DIL	Triple 3 Input NOR Gate	384-896	0.87	0.69	0.52	0.35	– –
MC14025BCPG	ON	14	DIL	Triple 3-Input NOR Gate	966-5285	1.10	0.85	0.64	0.41	– –
MC14025BDG	ON	14	SOIC	Triple 3 Input NOR Gate	SMD 119-1824	1.02	0.78	0.58	0.37	– –
CD4027BE..	TI	16	DIL	Dual J-K Flip/Flop	573-670	1.06	0.76	0.57	0.38	– –
CD4027BE	TI	16	DIL	Dual J-K Flip/Flop	110-6102	1.08	0.82	0.62	0.39	– –
HCF4027BEY	ST	16	DIL	Dual J-K Flip/Flop	120-6490	1.14	1.11	0.94	0.65	– –
HEF4027BP	PS	16	DIL	Dual J-K Flip/Flop	384-938	1.16	0.93	0.70	0.47	– –
HEF4027BT.	PS	16	SOIC	Dual J-K Flip/Flop	SMD 387-022‡	0.94	0.75	0.56	0.38	– –
HEF4027BT	PS	16	SOIC	Dual J-K Flip/Flop	SMD 108-5282	0.97	0.77	0.58	0.39	– –
MC14027BCPG	ON	16	DIL	Dual J-K Flip-Flop	966-5510	1.32	0.94	0.70	0.47	– –
MC14027BDG	ON	16	SOIC	Dual J-K Flip-Flop	SMD 966-6354	0.98	0.76	0.57	0.36	– –
HCF4028BEY.	ST	16	DIL	BCD-to-Decimal Decoder	311-8708	1.22	0.94	0.82	0.64	– –
HCF4028BEY	ST	16	DIL	BCD-to-Decimal Decoder	109-4189	1.78	1.42	1.25	1.07	– –
HEF4028BP	PS	16	DIL	BCD-to-Decimal Decoder	384-963	1.30	1.04	0.78	0.52	– –
MC14028BCPG	ON	16	DIL	BCD-to-Decimal Decoder	966-5528	1.11	0.82	0.61	0.41	– –
MC14028BDG	ON	16	SOIC	BCD-to-Decimal Decoder	SMD 966-6362	0.97	0.69	0.52	0.35	– –
MC14029BCPG	ON	16	DIL	4000 CMOS	966-4629	1.35	0.96	0.72	0.49	– –
CD4030BE	TI	14	DIL	Quad EXOR Gate, 4000 CMOS Logic	225-6721	0.85	0.64	0.44	– –	– –
HCF4030BEY	ST	14	DIL	Quad EX-OR Gate	311-8721	0.84	0.64	0.56	0.44	– –
HEF4030BP	PS	14	DIL	Quad EX-OR Gate	385-013	1.08	0.88	0.66	0.44	– –
HEF4030BT	PS	14	SOIC	Quad EX-OR Gate	SMD 120-1267	0.90	0.72	0.54	0.36	– –
CD4040BE..	TI	16	DIL	12 Bit Binary Ripple Counter/Divider	573-681	1.08	0.78	0.58	0.39	– –
CD4040BE	TI	16	DIL	12 Bit Binary Ripple Counter/Divider	110-6103	0.94	0.67	0.50	0.34	– –
HCF4040BM1	ST	16	SOIC	Compteur/Diviseur binaire 12 bits	SMD 109-4190	2.16	1.73	1.51	1.30	– –
HEF4040BP	PS	16	DIL	12 Bit Binary Ripple Counter/Divider	385-086	1.30	1.04	0.78	0.52	– –
HEF4040BT	PS	16	SOIC	12 Bit Binary Ripple Counter/Divider	SMD 120-1289	1.09	0.88	0.66	0.44	– –
MC14040BCPG	ON	16	DIL	12-Bit Binary Counter	966-5544	1.37	0.98	0.73	0.49	– –
MC14040BDG	ON	16	SOIC	12-Bit Binary Counter	SMD 966-6370	1.01	0.72	0.54	0.36	– –
HCF4042BEY.	ST	16	DIL	Quad bascules D verrou	311-8733	0.99	0.76	0.67	0.52	– –
HCF4042BEY	ST	16	DIL	Quad D Latch	109-4192	0.99	0.76	0.67	0.52	– –
MC14042BCPG	ON	16	DIL	4000 CMOS	966-4637	1.48	1.06	0.79	0.53	– –
MC14042BDG	ON	16	SOIC	4000 SERIES CMOS LOGIC (SO)	SMD 966-4874	1.27	0.91	0.68	0.46	– –
HEF4043BP	PS	16	DIL	Quad Tri-State NOR R/S Latch	385-165	1.30	1.04	0.78	0.52	– –
MC14043BCPG	ON	16	DIL	4000 CMOS	966-4645	1.29	0.92	0.69	0.46	– –
MC14043BDG	ON	16	SOIC	Quad R-S Latches	SMD 966-5145	1.14	0.89	0.67	0.43	– –
HEF4044BP	PS	16	DIL	Quad Tri-State NAND R/S Latch	385-190	1.30	1.04	0.78	0.52	– –
MC14044BCPG	ON	16	DIL	4000 CMOS	966-4653	1.48	1.06	0.79	0.53	– –
MC14044BDG	ON	16	SOIC	Quad R-S Latches	SMD 966-5153	1.07	0.77	0.58	0.39	– –
CD4046BE..	TI	16	DIL	Phase Locked Loop	573-693	1.70	1.22	0.92	0.61	– –
CD4046BE	TI	16	DIL	Phase Locked Loop	110-6104	1.09	0.79	0.59	0.40	– –
HEF4046BP	PS	16	DIL	Phase Locked Loop	385-219	1.51	1.26	0.94	0.63	– –
HEF4046BT.	PS	16	SOIC	Phase Locked Loop	SMD 387-071‡	1.31	1.05	0.79	0.53	– –
HEF4046BT	PS	16	SOIC	Phase Locked Loop	SMD 108-5283	1.35	1.08	0.81	0.54	– –
MC14046BCPG	ON	16	DIL	4000 CMOS	966-4661	1.50	1.09	0.82	0.55	– –
MC14046BDWG	ON	16	SOIC	Phase Locked Loop	SMD 966-6389	1.44	1.08	0.81	0.54	– –
CD4047BCN	FCH	14	DIL	Monostable/Astable Multivibrator	101-4037	1.17	0.89	0.67	0.43	– –
CD4047BE..	TI	14	DIL	Monostable/Astable Multivibrator	573-700	1.23	0.94	0.71	0.45	– –
CD4047BE	TI	14	DIL	Monostable/Astable Multivibrator	110-6105	1.02	0.73	0.55	0.37	– –
HEF4047BP	PS	14	DIL	Monostable/Astable Multivibrator	385-244	1.24	0.99	0.74	0.50	– –
HEF4047BT.	PS	14	SOIC	Monostable/Astable Multivibrator	SMD 387-083‡	1.50	1.20	0.90	0.60	– –
HEF4047BT	PS	14	SOIC	Monostable/Astable Multivibrator	SMD 108-5284	1.55	1.24	0.93	0.62	– –
CD4049UBCM	FCH	16	SOIC	Hex Inverting Buffer	SMD 101-4060	1.05	0.80	0.60	0.38	– –
CD4049UBCN	FCH	16	DIL	Hex Inverting Buffer	101-4038	1.05	0.80	0.60	0.38	– –
CD4049UBE..	TI	16	DIL	Hex Inverting Buffer	573-711	1.03	0.79	0.59	0.38	– –
CD4049UBE	TI	16	DIL	Hex Inverting Buffer	110-6106	1.03	0.74	0.56	0.37	– –
HCF4049UBM1	ST	16	SOIC	Hex Inverting Buffer	SMD 109-4193	0.73	0.56	0.49	0.38	– –
HEF4049BP	PS	16	DIL	Hex Inverting Buffer	385-281	0.96	0.77	0.58	0.38	– –
HEF4049BT	PS	16	SOIC	Hex Inverting Buffer	SMD 120-1290	0.96	0.77	0.57	0.38	– –
MC14049BCPG	ON	16	DIL	4000 CMOS	966-4670	1.17	0.86	0.65	0.43	– –
MC14049UBCPG	ON	16	DIL	4000 CMOS	966-4688	1.25	0.89	0.67	0.45	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1403 Date: 21-08-06 time:23:43

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
MC14049UBDG	ON	16	SOIC	Hex Inverting Buffer	SMD 966-5170 ●	0.93	0.71	0.54	0.34	– –
CD4050BCMX	FCH	16	SOIC	Hex Buffer	SMD 101-4061 ●	0.93	0.71	0.53	0.34	– –
CD4050BCN..	FCH	16	DIL	Hex Buffer	385-293 ▲‡	1.36	1.02	0.77	0.56	– –
CD4050BCN	FCH	16	DIL	Hex Buffer	101-4039 ●	1.61	1.16	0.87	0.58	– –
CD4050BE..	TI	16	DIL	Hex Buffer	573-723	0.83	0.64	0.48	0.30	– –
CD4050BE	TI	16	DIL	Hex Buffer	110-6108	0.94	0.67	0.50	0.34	– –
HCF4050BEY.	ST	16	DIL	Hex Buffer	311-8782 ▲	0.73	0.56	0.49	0.38	– –
HCF4050BEY	ST	16	DIL	Hex Buffer	109-4194 ●	0.74	0.56	0.49	0.38	– –
HEF4050BP	PS	16	DIL	Hex Buffer	385-311 ●	0.96	0.77	0.58	0.38	– –
HEF4050BT	PS	16	SOIC	Hex Buffer	SMD 108-5285 ●	0.96	0.77	0.57	0.38	– –
MC14050BCPG	ON	16	DIL	Hex Buffer	966-5552 ●	1.20	0.86	0.65	0.43	– –
MC14050BDG	ON	16	SOIC	Hex Buffer	SMD 966-6397 ●	0.98	0.76	0.57	0.36	– –
CD4051BCM	FCH	16	SOIC	Single 8 Channel Multiplexer	SMD 101-4062 ●	1.02	0.73	0.55	0.37	– –
CD4051BCN..	FCH	16	DIL	Single 8 Channel Multiplexer	385-323 ▲‡	0.86	0.65	0.49	0.36	– –
CD4051BCN	FCH	16	DIL	Single 8 Channel Multiplexer	101-4040 ●	1.02	0.73	0.55	0.37	– –
HEF4051BT	PS	16	SOIC	Single 8 Channel Multiplexer	SMD 120-1291 ●	0.93	0.74	0.56	0.37	– –
CD4051BE..	TI	16	DIL	Single 8 Channel Multiplexer	573-735	1.81	1.38	1.04	0.66	– –
HEF4053BT	PS	16	SOIC	Triple 2 Channel Multiplexer	SMD 120-1292 ●	0.93	0.74	0.56	0.37	– –
CD4051BE	TI	16	DIL	Single 8 Channel Multiplexer	110-6109 ●	1.02	0.73	0.55	0.37	– –
CD4051BM	TI	16	SOIC	Single 8-Channel Analog Multiplexer/Demultiplexer, 4000 CMOS Logic	SMD 838-8970 ●	0.94	0.67	0.50	0.34	– –
HCF4051BEY	ST	16	DIL	Single 8 Channel Multiplexer	975-5551 ●	1.05	0.80	0.70	0.55	– –
HEF4051BP	PS	16	DIL	Single 8 Channel Multiplexer	385-347 ●	1.07	0.90	0.67	0.45	– –
HEF4051BT	PS	16	SOIC	Single 8 Channel Multiplexer	SMD 120-1291 ●	0.93	0.74	0.56	0.37	– –
MC14051BCPG	ON	16	DIL	Analog Multiplexers/Demultiplexers	966-5684 ●	1.25	0.89	0.67	0.45	– –
MC14051BDG	ON	16	SOIC	Analog Multiplexers/Demultiplexers	SMD 966-6400 ●	1.13	0.87	0.65	0.41	– –
CD4052BCM	FCH	16	SOIC	Differential 4 Channel Multiplexer	SMD 101-4063 ●	1.26	0.91	0.68	0.46	– –
CD4052BCN	FCH	16	DIL	Differential 4 Channel Multiplexer	101-4041 ●	1.02	0.73	0.55	0.37	– –
CD4052BEG4	TI	16	DIL	Differential 4 Channel Multiplexer	958-9538 ●	2.05	1.63	1.28	0.89	– –
HCF4052BEY.	ST	16	DIL	Differential 4 Channel Multiplexer	311-8800 ▲	1.05	0.80	0.70	0.55	– –
HCF4052BEY	ST	16	DIL	Differential 4 Channel Multiplexer	109-4195 ●	1.07	0.82	0.71	0.56	– –
HEF4052BP	PS	16	DIL	Differential 4 Channel Multiplexer	385-360 ●	1.12	0.90	0.67	0.45	– –
HEF4052BT.	PS	16	SOIC	Differential 4 Channel Multiplexer	SMD 387-125‡	0.90	0.72	0.54	0.36	– –
HEF4052BT	PS	16	SOIC	Differential 4 Channel Multiplexer	SMD 108-5286 ●	0.93	0.74	0.56	0.37	– –
MC14052BCPG	ON	16	DIL	Analog Multiplexers/Demultiplexers	966-5692 ●	1.48	1.06	0.79	0.53	– –
CD4053BCM..	FCH	16	SOIC	Triple 2 Channel Multiplexer	SMD 505-330 ▲‡	1.07	0.80	0.60	0.44	– –
CD4053BCM	FCH	16	SOIC	Triple 2 Channel Multiplexer	SMD 101-4064 ●	1.26	0.91	0.68	0.46	– –
CD4053BCN	FCH	16	DIL	Triple 2 Channel Multiplexer	101-4042 ●	1.02	0.73	0.55	0.37	– –
CD4053BE..	TI	16	DIL	Triple 2 Channel Multiplexer	573-759	1.00	0.78	0.53	0.36	– –
CD4053BE	TI	16	DIL	Triple 2 Channel Multiplexer	110-6110 ●	1.08	0.82	0.62	0.39	– –
CD4053BM	TI	16	SOIC	Triple 2-Channel Analog Multiplexer/Demultiplexer, 4000 Logic	SMD 838-8989 ●	1.08	0.82	0.62	0.39	– –
HCF4053BM1.	ST	16	SOIC	Triple 2 Channel Multiplexer	SMD 311-5926 ▲	1.05	0.80	0.70	0.55	– –
HCF4053BM1	ST	16	SOIC	Triple 2 Channel Multiplexer	SMD 109-4196 ●	1.05	0.80	0.70	0.55	– –
HEF4053BP	PS	16	DIL	Triple 2 Channel Multiplexer	385-384 ●	1.12	0.90	0.67	0.45	– –
HEF4053BT	PS	16	SOIC	Triple 2 Channel Multiplexer	SMD 120-1292 ●	0.93	0.74	0.56	0.37	– –
MC14052BDG	ON	16	SOIC	Analog Multiplexers/Demultiplexers	SMD 966-6419 ●	1.13	0.87	0.65	0.41	– –
MC14053BCPG	ON	16	DIL	4000 CMOS	966-4696 ●	1.39	0.99	0.74	0.50	– –
MC14053BDG	ON	16	SOIC	Analog Multiplexers/Demultiplexers	SMD 966-6427 ●	1.13	0.87	0.65	0.41	– –
HEF4059BP	PS	24	DIL	Programmable Divide-by-N Counter	385-402 ●	11.67	9.33	7.00	4.67	– –
CD4060BCM	FCH	16	SOIC	14 Stage Ripple Carry Binary Counter	SMD 101-4065 ●	1.51	1.20	0.96	0.66	– –
CD4060BCN	FCH	16	DIL	14 Stage Ripple Carry Binary Counter	101-4044 ●	1.02	0.73	0.55	0.37	– –
CD4060BE..	TI	16	DIL	14 Stage Ripple Carry Binary Counter	573-760	0.95	0.68	0.51	0.34	– –
CD4060BE	TI	16	DIL	14 Stage Ripple Carry Binary Counter	110-6111 ●	0.94	0.67	0.50	0.34	– –
HCF4060BEY	ST	16	DIL	14 Stage Ripple Carry Binary Counter	120-6492 ●	1.53	1.14	1.04	0.72	– –
HEF4060BP	PS	16	DIL	14 Stage Ripple Carry Binary Counter	385-438 ●	1.30	1.04	0.78	0.52	– –
HEF4060BT	PS	16	SOIC	14 Stage Ripple Carry Binary Counter	SMD 120-1294 ●	1.09	0.88	0.66	0.44	– –
MC14060BCPG	ON	16	DIL	14-Stage Binary Counter/Oscillator	966-5560 ●	1.30	0.93	0.69	0.47	– –
MC14060BDG	ON	16	SOIC	14-Stage Binary Counter/Oscillator	SMD 966-6435 ●	1.02	0.73	0.55	0.37	– –

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
CD4066BCM..	FCH	14	SOIC	Quad Bi-Lateral Switch	SMD 505-353 ▲‡	0.76	0.62	0.42	0.32	– –
CD4066BCM	FCH	14	SOIC	Quad Bi-Lateral Switch	SMD 101-4066 ●	0.90	0.70	0.48	0.33	– –
CD4066BCN..	FCH	14	DIL	Quad Bi-Lateral Switch	385-451 ▲‡	0.94	0.75	0.57	0.40	– –
CD4066BCN	FCH	14	DIL	Quad Bi-Lateral Switch	101-4045 ●	1.12	0.86	0.64	0.41	– –
CD4066BE..	TI	14	DIL	Quad Bi-Lateral Switch	573-772	1.08	0.86	0.65	0.41	– –
CD4066BE	TI	14	DIL	Quad Bi-Lateral Switch	110-6112 ●	1.08	0.82	0.62	0.39	– –
HEF4066BP	PS	14	DIL	Quad Bi-Lateral Switch	385-475 ●	1.03	0.82	0.62	0.41	– –
HEF4066BT.	PS	14	SOIC	Quad Bi-Lateral Switch	SMD 387-150‡	0.81	0.65	0.49	0.33	– –
HEF4066BT	PS	14	SOIC	Quad Bi-Lateral Switch	SMD 108-5287 ●	0.84	0.67	0.50	0.33	– –
MC14066BCPG	ON	14	DIL	4000 CMOS	966-4700 ●	1.17	0.90	0.68	0.43	– –
MC14066BDG	ON	14	SOIC	Quad Analog Switch/Quad Multiplexer	SMD 966-6443 ●	0.98	0.76	0.57	0.36	– –
HEF4067BP	PS	24	DIL	16 Channel Analogue Multiplexer/Demultiplexer	385-499 ●	4.92	4.04	3.03	2.02	– –
MC14067BCPG	ON	24	DIL	4000 CMOS	966-4718 ●	2.80	2.24	1.76	1.22	– –
MC14067BDWG	ON	24	SOIC	4000 SERIES CMOS Logic (SO)	SMD 966-4882 ●	3.13	2.83	2.52	2.35	– –
HCF4068BEY	ST	14	DIL	8 Input NAND Gate	311-8836 ▲	0.89	0.68	0.60	0.47	– –
HEF4068BP	PS	14	DIL	8 Input NAND Gate	385-505 ●	1.45	1.16	0.87	0.58	– –
CD4069UBCN..	FCH	14	DIL	Hex Inverter	385-517 ▲‡	0.69	0.55	0.41	0.29	– –
CD4069UBCN	FCH	14	DIL	Hex Inverter	101-4046 ●	0.82	0.62	0.47	0.30	– –
CD4069UBE..	TI	14	DIL	Hex Inverter	573-784	1.13	0.86	0.65	0.41	– –
CD4069UBE	TI	14	DIL	Hex Inverter	110-6113 ●	1.08	0.82	0.62	0.39	– –
HCF4069UBEY	ST	14	DIL	Hex Inverter	975-5560 ●	0.64	0.49	0.43	0.34	– –
HCF4069UBM1.	ST	14	SOIC	Hex Inverter	SMD 311-5940 ▲	0.64	0.49	0.43	0.34	– –
HCF4069UBM1	ST	14	SOIC	Hex Inverter	SMD 109-4197 ●	0.64	0.49	0.43	0.34	– –
HEF4069UBP	PS	14	DIL	Hex Inverter	385-530 ●	0.93	0.77	0.58	0.38	– –
HEF4069UBT	PS	14	SOIC	Hex Inverter	SMD 120-1295 ●	0.96	0.77	0.57	0.38	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
MC14069UBCPG	ON	14	DIL	Hex Inverter	966-5579●	1.10	0.85	0.64	0.41	– –
MC14069UBDG	ON	14	SOIC	Hex Inverter	SMD 966-6451●	0.92	0.71	0.53	0.34	– –
CD4070BE..	TI	14	DIL	Quad Exclusive OR Gate	573-796	0.74	0.57	0.39	0.27	– –
CD4070BE	TI	14	DIL	Quad Exclusive OR Gate	110-6114●	1.08	0.82	0.62	0.39	– –
CD4070BM	TI	14	SOIC	Quad EXOR Gate, 4000 CMOS Logic	SMD 838-8997●	0.98	0.75	0.56	0.36	– –
HEF4070BP	PS	14	DIL	Quad Exclusive OR Gate	385-566●	0.87	0.69	0.52	0.35	– –
HEF4070BT.	PS	14	SOIC	Quad Exclusive OR Gate	SMD 387-186‡	0.65	0.52	0.39	0.26	– –
HEF4070BT	PS	14	SOIC	Quad Exclusive OR Gate	SMD 108-5288●	0.67	0.54	0.40	0.27	– –
MC14070BCPG	ON	14	DIL	Quad XOR Gate	966-5714●	1.01	0.72	0.54	0.36	– –
MC14070BDG	ON	14	SOIC	Quad XOR Gate	SMD 966-6460●	0.92	0.71	0.53	0.34	– –
CD4071BE..	TI	14	DIL	Quad 2 Input OR Gate	573-802	1.13	0.86	0.65	0.41	– –
CD4071BE	TI	14	DIL	Quad 2 Input OR Gate	110-6115●	1.08	0.82	0.62	0.39	– –
HEF4071BP	PS	14	DIL	Quad 2 Input OR Gate	385-591●	0.87	0.69	0.52	0.35	– –
HEF4071BT.	PS	14	SOIC	Quad 2 Input OR Gate	SMD 387-198‡	0.65	0.52	0.39	0.26	– –
HEF4071BT	PS	14	SOIC	Quad 2 Input OR Gate	SMD 108-5289●	0.67	0.54	0.40	0.27	– –
MC14071BCPG	ON	14	DIL	Quad 2-Input OR Gate	966-5587●	0.96	0.69	0.52	0.35	– –
MC14071BDG	ON	14	SOIC	Quad 2-Input OR Gate	SMD 966-6478●	0.92	0.71	0.53	0.34	– –
HCF4072BEY	ST	14	DIL	Dual 4 Input OR Gate	120-9161●	1.07	0.78	0.57	0.33	– –
HEF4072BP	PS	14	DIL	Dual 4 Input OR Gate	385-610●	1.10	0.88	0.66	0.44	– –
HCF4073BM1	ST	14	SOIC	Triple 3 Input AND Gate	SMD 311-5963▲	0.62	0.47	0.41	0.32	– –
HEF4073BP	PS	14	DIL	Triple 3 Input AND Gate	385-633●	0.86	0.69	0.52	0.35	– –
MC14073BCPG	ON	14	DIL	4000 CMOS	966-4726●	0.97	0.69	0.52	0.35	– –
HCF4075BEY.	ST	14	DIL	Triple 3 Input OR Gate	312-0132▲	0.70	0.54	0.47	0.36	– –
HCF4075BEY	ST	14	DIL	Triple 3 Input OR Gate	109-4198●	0.70	0.54	0.47	0.36	– –
HEF4075BP	PS	14	DIL	Triple 3 Input OR Gate	385-657●	0.87	0.69	0.52	0.35	– –
MC14076BCPG	ON	16	DIL	4-Bit D-Type Register with Three-State Outputs	966-6630●	1.48	1.06	0.79	0.53	– –
HCF4077BEY.	ST	14	DIL	Quad portes NOR Exclusif	312-0156▲	0.70	0.54	0.47	0.36	– –
HCF4077BEY	ST	14	DIL	Quad Exclusive NOR Gate	109-4199●	0.70	0.54	0.47	0.36	– –
HEF4077BP	PS	14	DIL	Quad Exclusive NOR Gate	385-694●	0.87	0.69	0.52	0.35	– –
MC14077BCPG	ON	14	DIL	4000 CMOS	966-4734●	1.08	0.85	0.64	0.41	– –
MC14077BDG	ON	14	SOIC	Quad Exclusive NOR Gate	SMD 966-6486●	0.87	0.67	0.50	0.32	– –
CD4081BE..	TI	14	DIL	Quad 2 Input AND Gate	573-814	0.78	0.60	0.45	0.29	– –
CD4081BE	TI	14	DIL	Quad 2 Input AND Gate	110-6116●	1.08	0.82	0.62	0.39	– –
CD4081BM	TI	14	SOIC	Quad 2-Input AND Gate, 4000 CMOS Logic	SMD 112-2563●	1.04	0.85	0.78	– –	– –
HCF4081BM1	ST	14	SOIC	Quad 2 Input AND Gate	SMD 109-4200●	0.62	0.47	0.41	0.32	– –
HEF4081BP	PS	14	DIL	Quad 2 Input AND Gate	385-736●	0.87	0.69	0.52	0.35	– –
HEF4081BT	PS	14	SOIC	Quad 2 Input AND Gate	SMD 108-5290●	0.67	0.54	0.40	0.27	– –
CD4093BCN	FCH	14	DIL	Quad 2 Input NAND Schmitt Trigger	101-4047●	1.12	0.86	0.64	0.41	– –
MC14093BCPG	ON	14	DIL	Quad 2-Input NAND Schmitt Trigger	966-5609●	0.97	0.69	0.52	0.35	– –
MC14081BCPG	ON	14	DIL	Quad 2-Input AND Gate	966-5595●	1.10	0.85	0.64	0.41	– –
MC14081BDG	ON	14	SOIC	Quad 2-Input AND Gate	SMD 966-6494●	0.87	0.67	0.50	0.32	– –
HCF4082BEY	ST	14	DIL	Dual 4 Input AND Gate	312-0168▲	1.01	0.77	0.68	0.53	– –
HEF4082BP	PS	14	DIL	Dual 4 Input AND Gate	385-750●	0.87	0.69	0.52	0.35	– –
MC14082BCPG	ON	14	DIL	4000 CMOS	966-4742●	1.10	0.85	0.64	0.41	– –
MC14082BDG	ON	14	SOIC	Dual 4-Input AND Gate	SMD 966-5188●	0.92	0.71	0.53	0.34	– –
CD4093BCM..	FCH	14	SOIC	Quad 2 Input NAND Schmitt Trigger	SMD 505-407▲‡	0.69	0.55	0.41	0.29	– –
CD4093BCM	FCH	14	SOIC	Quad 2 Input NAND Schmitt Trigger	SMD 101-4068●	0.82	0.62	0.47	0.30	– –
CD4093BCN..	FCH	14	DIL	Quad 2 Input NAND Schmitt Trigger	385-797▲‡	0.94	0.75	0.57	0.40	– –
CD4093BCN	FCH	14	DIL	Quad 2 Input NAND Schmitt Trigger	101-4047●	1.12	0.86	0.64	0.41	– –
CD4093BE..	TI	14	DIL	Quad 2 Input NAND Schmitt Trigger	573-826	0.99	0.77	0.53	0.36	– –
CD4093BE	TI	14	DIL	Quad 2 Input NAND Schmitt Trigger	110-6117●	1.08	0.82	0.62	0.39	– –
CD4093BM	TI	14	SOIC	Quad 2-Input NAND Schmitt Triggers, 4000 CMOS Logic	SMD 112-2605●	1.04	0.85	0.78	– –	– –
HEF4093BP	PS	14	DIL	Quad 2 Input NAND Schmitt Trigger	385-815●	0.95	0.76	0.57	0.38	– –
HEF4093BT	PS	14	SOIC	Quad 2 Input NAND Schmitt Trigger	SMD 120-1296●	0.75	0.60	0.45	0.30	– –
MC14093BDG	ON	14	SOIC	Quad 2-Input NAND Schmitt Trigger	SMD 966-6508●	0.87	0.67	0.50	0.32	– –
CD4094BE..	TI	16	DIL	8 Bit Shift Register/Latch	573-838	1.45	1.04	0.78	0.52	– –
CD4094BE	TI	16	DIL	8 Bit Shift Register/Latch	110-6118●	1.02	0.73	0.55	0.37	– –
HEF4094BP	PS	16	DIL	8 Bit Shift Register/Latch	385-840●	1.30	1.04	0.78	0.52	– –
HEF4094BT	PS	16	SOIC	8 Bit Shift Register/Latch	SMD 120-1297●	1.09	0.88	0.66	0.44	– –
MC14094BCPG	ON	16	DIL	4000 CMOS	966-4750●	1.29	0.93	0.69	0.47	– –
MC14094BDG	ON	16	SOIC	8-Bit Shift/Store Register with Three-State Outputs	SMD 966-6516●	1.13	0.87	0.66	0.42	– –
CD4098BE..	TI	16	DIL	Retriggerable Dual Monostable Multivibrator	573-840	0.93	0.71	0.53	0.34	– –
CD4098BE	TI	16	DIL	Retriggerable Dual Monostable Multivibrator	110-6121●	1.03	0.74	0.56	0.37	– –
HCF4099BEY.	ST	16	DIL	8 Bit Addressable Latch	312-0181▲‡	1.43	1.09	0.95	0.74	– –
HCF4099BEY	ST	16	DIL	8 Bit Addressable Latch	975-5578●	1.43	1.09	0.95	0.74	– –
MC14099BCPG	ON	16	DIL	8-Bit Addressable Latches	966-5722●	1.56	1.24	0.99	0.68	– –
MC14099BDWG	ON	16	SOIC	8-Bit Addressable Latches	SMD 966-5196●	1.53	1.22	0.97	0.66	– –
HEF4104BP	PS	16	DIL	Tri-State Quad Low Voltage to High Voltage Translator	385-890●	2.67	2.13	1.60	1.07	– –
MC14106BCPG	ON	14	DIL	Hex Schmitt Trigger	966-5765●	1.11	0.79	0.59	0.40	– –
MC14106BDG	ON	14	SOIC	Hex Schmitt Trigger	SMD 966-6524●	0.98	0.76	0.57	0.36	– –
HEF4069UBT	PS	14	SOIC	Hex Inverter	SMD 120-1295●	0.96	0.77	0.57	0.38	– –
MC14174BCPG	ON	16	DIL	Hex D-Type Flip-Flop	966-6648●	1.25	0.89	0.67	0.45	– –
MC14175BDG	ON	16	SOIC	4000 SERIES CMOS Logic (SO)	SMD 966-4890●	1.07	0.76	0.57	0.38	– –
MC14490DWG	ON	16	SOIC	Hex Contact Bounce Eliminator (3 to 18V dc)	SMD 119-1828●	11.13	8.54	6.52	6.14	– –
MC14490PG	ON	16	DIL	Hex Bounce Eliminator	966-4947●	10.16	7.79	5.95	5.23	– –
MC14503BCPG	ON	16	DIL	4000 CMOS	966-4769●	1.57	1.12	0.84	0.57	– –
MC14503BDG	ON	16	SOIC	Hex Noninverting Buffer, 3 State	SMD 966-5200●	1.18	0.85	0.63	0.43	– –
MC14504BCPG	ON	16	DIL	Hex Level Shifter	966-5064●	2.33	2.13	1.89	1.75	– –
MC14504BDG	ON	16	SOIC	Hex Level Shifter	SMD 966-5218●	2.15	1.71	1.34	0.93	– –
CD4511BE..	TI	16	DIL	BCD to 7 Segment Decoder Driver	573-851	1.45	1.04	0.78	0.52	– –
CD4511BE	TI	16	DIL	BCD to 7 Segment Decoder Driver	110-6122●	1.02	0.73	0.55	0.37	– –
HCF4511BEY.	ST	16	DIL	Driver décodeur BCD vers 7 segments	312-0211▲	1.76	1.34	1.16	0.92	– –
HCF4511BEY	ST	16	DIL	BCD to 7 Segment Decoder Driver	109-4201●	1.79	1.37	1.18	0.94	– –
HEF4511BP	PS	16	DIL	BCD to 7 Segment Decoder Driver	386-005●	1.30	1.04	0.78	0.52	– –
HEF4511BT.	PS	16	SOIC	BCD to 7 Segment Decoder Driver	SMD 387-290‡	1.06	0.85	0.64	0.43	– –
HEF4511BT	PS	16	SOIC	BCD to 7 Segment Decoder Driver	SMD 108-5291●	1.09	0.88	0.66	0.44	– –
MC14511BCPG	ON	16	DIL	BCD-to-7 Segment Latch/Decoder/Driver	966-5617●	1.53	1.09	0.82	0.55	– –
MC14511BDG	ON	16	SOIC	BCD-to-7 Segment Latch/Decoder/Driver	SMD 966-6532●	1.32	0.94	0.70	0.47	– –
MC14512BCPG	ON	16	DIL	8-Channel Data Selector	966-5625●	1.39	0.99	0.74	0.50	– –
MC14512BDG	ON	16	SOIC	8-Channel Data Selector	SMD 966-6540●	1.20	0.86	0.65	0.43	– –
MC14513BCPG	ON	18	DIL	BCD-to-7 Segment Latch/Decoder/Driver	966-5269●	4.16	3.77	3.35	3.13	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
HEF4514BP	PS	24	DIL	4 Bit Latch/4 to 16 Line Decoder (High)	386-042●	3.76	3.08	2.31	1.54	– –
HEF4514BT	PS	24	SOIC	4 Bit Latch/4 to 16 Line Decoder (High)	SMD 120-1298●	3.97	3.17	2.38	1.59	– –
MC14514BCPG	ON	24	DIL	4000 CMOS	966-4777●	2.80	2.24	1.76	1.22	– –
MC14515BCPG	ON	24	DIL	4000 CMOS	966-4785●	2.60	1.98	1.46	1.26	– –
HCF4516BEY	ST	16	DIL	Binary Up/Down Counter	120-9162●	2.15	2.05	1.73	0.94	– –
HEF4516BP	PS	16	DIL	Binary Up/Down Counter	386-080●	1.62	1.30	0.97	0.65	– –
MC14516BCPG	ON	16	DIL	Binary Up/Down Counter	966-5293●	1.67	1.19	0.89	0.60	– –
MC14516BDG	ON	16	SOIC	4000 SERIES CMOS Logic (SO)	SMD 966-4904●	1.56	1.11	0.83	0.56	– –
CD4518BE..	TI	16	DIL	Dual Synchronous Up Counter	573-863	1.95	1.40	1.05	0.70	– –
CD4518BE	TI	16	DIL	Dual Synchronous Up Counter	110-6123●	1.03	0.74	0.56	0.37	– –
HCF4518BEY.	ST	16	DIL	Dual Synchronous Up Counter	312-0247▲‡	1.34	1.03	0.90	0.70	– –
HCF4518BEY	ST	16	DIL	Dual Synchronous Up Counter	975-5586●	1.34	1.03	0.90	0.70	– –
HEF4518BP	PS	16	DIL	Dual Synchronous Up Counter	386-133●	1.30	1.04	0.78	0.52	– –
MC14518BCPG	ON	16	DIL	Dual BCD Up Counter	966-5633●	1.60	1.27	1.02	0.69	– –
MC14518BDWG	ON	16	SOIC	Dual Synchronous Up Counter	SMD 119-1825●	1.68	1.34	1.06	0.72	– –
HEF4520BP	PS	16	DIL	Dual Synchronous Up Counter	386-182●	1.30	1.04	0.78	0.52	– –
HEF4520BT.	PS	16	SOIC	Dual Synchronous Up Counter	SMD 387-344‡	1.06	0.85	0.64	0.43	– –
HEF4520BT	PS	16	SOIC	Dual Synchronous Up Counter	SMD 108-5292●	1.09	0.88	0.66	0.44	– –
MC14520BCPG	ON	16	DIL	Dual BCD Up Counter	966-5676●	1.60	1.27	1.02	0.69	– –
MC14520BDWG	ON	16	SOIC	Dual BCD Up Counter	SMD 966-6559●	1.53	1.22	0.97	0.66	– –
HEF4521BP	PS	16	DIL	24 Stage Frequency Divider	386-194●	1.71	1.37	1.03	0.69	– –
HEF4521BT	PS	16	SOIC	24 Stage Frequency Divider	SMD 108-5294●	1.67	1.33	1.00	0.67	– –
MC14521BCPG	ON	16	DIL	4000 CMOS	966-4793●	1.50	1.19	0.95	0.65	– –
HEF4526BP	PS	16	DIL	Divide-by-N Counter (Binary)	386-236●	2.15	1.72	1.29	0.86	– –
MC14526BCPG	ON	16	DIL	Presettable 4-Bit Down Counters	966-5730●	1.80	1.43	1.12	0.78	– –
MC14526BDWG	ON	16	SOIC	4000 SERIES CMOS Logic (SO)	SMD 966-4912●	1.64	1.30	1.04	0.71	– –
HEF4528BP	PS	16	DIL	Dual Retriggerable Resettable/Monostable Multivibrator	386-273●	1.44	1.15	0.86	0.58	– –
HEF4528BT.	PS	16	SOIC	Dual Retriggerable Resettable/Monostable Multivibrator	SMD 387-381‡	1.19	0.95	0.71	0.48	– –
HEF4528BT	PS	16	SOIC	Dual Retriggerable Resettable/Monostable Multivibrator	SMD 108-5295●	1.22	0.98	0.73	0.49	– –
MC14528BCPG	ON	16	DIL	Dual Monostable Multivibrator	966-5749●	1.76	1.26	0.94	0.63	– –
MC14528BDG	ON	16	SOIC	Dual Monostable Multivibrator	SMD 966-6567●	1.25	0.93	0.69	0.47	– –
HCF4532BEY	ST	16	DIL	8 Input Priority Encoder	120-6493●	1.94	1.55	1.36	1.16	– –
MC14532BCPG	ON	16	DIL	8-Bit Priority Encoder	966-5641●	1.53	1.22	0.97	0.66	– –
MC14532BDG	ON	16	SOIC	8-Bit Priority Encoder	SMD 966-5226●	1.77	1.26	0.95	0.63	– –
MC14536BCPG	ON	16	DIL	4000 CMOS	966-4807●	1.74	1.38	1.09	0.76	– –
MC14536BDWG	ON	16	SOIC	Programmable Timer	SMD 966-5234●	1.64	1.30	1.04	0.71	– –
CD4538BCN..	FCH	16	DIL	Dual Monostable Multivibrator	386-315▲‡	1.02	0.77	0.57	0.42	– –
CD4538BCN	FCH	16	DIL	Dual Monostable Multivibrator	101-4048●	1.21	0.87	0.65	0.44	– –
HEF4538BP	PS	16	DIL	Dual Monostable Multivibrator	386-339●	1.44	1.15	0.86	0.58	– –
HEF4538BT	PS	16	SOIC	Dual Monostable Multivibrator	SMD 120-1299●	1.22	0.98	0.73	0.49	– –
MC14538BCPG	ON	16	DIL	Dual Precision Monostable	966-5650●	1.53	1.09	0.82	0.55	– –
MC14538BDG	ON	16	SOIC	Dual Precision Monostable	SMD 966-6575●	1.20	0.86	0.65	0.43	– –
MC14538BDWG	ON	16	SOIC	4000 SERIES CMOS Logic (SO)	SMD 966-4920●	1.53	1.12	0.84	0.57	– –
CD4541BCMX..	FCH	14	SOIC	Programmable Oscillator Timer	SMD 505-420▲‡	1.44	1.11	0.93	0.49	– –
CD4541BCMX	FCH	14	SOIC	Programmable Oscillator Timer	SMD 101-4069●	2.11	1.69	1.32	0.92	– –
CD4541BCN..	FCH	14	DIL	Programmable Oscillator Timer	386-352▲‡	0.99	0.71	0.53	0.36	– –
CD4541BCN	FCH	14	DIL	Programmable Oscillator Timer	101-4049●	0.99	0.73	0.55	0.37	– –
CD4541BE..	TI	14	DIL	Programmable Oscillator Timer	573-887	0.85	0.65	0.49	0.31	– –
CD4541BE	TI	14	DIL	Programmable Oscillator Timer	110-6124●	1.08	0.82	0.62	0.39	– –
HEF4541BP	PS	14	DIL	Programmable Oscillator Timer	386-376●	1.24	0.99	0.74	0.50	– –
HEF4541BT	PS	14	SOIC	Programmable Oscillator Timer	SMD 108-5296●	1.48	1.24	0.93	0.62	– –
MC14541BCPG	ON	14	DIL	Programmable Oscillator-Timer	966-5668●	1.20	0.86	0.65	0.43	– –
MC14541BDG	ON	14	SOIC	Programmable Oscillator-Timer	SMD 966-6583●	1.04	0.80	0.60	0.38	– –
HEF4543BP	PS	16	DIL	BCD to 7 Segment Latch/Decoder/Driver for LCDs	386-390●	1.33	1.07	0.80	0.53	– –
MC14543BCPG	ON	16	DIL	4000 CMOS	966-4815●	1.48	1.06	0.79	0.53	– –
MC14543BDG	ON	16	SOIC	4000 SERIES CMOS Logic (SO)	SMD 966-4939●	1.02	0.73	0.55	0.37	– –
MC14551BCPG	ON	16	DIL	Quad 2-Channel Analog Multiplexer/Demultiplexer	966-5072●	6.27	5.33	4.11	3.72	– –
MC14551BDG	ON	16	SOIC	Quad 2-Channel Analog Multiplexer/Demultiplexer	SMD 966-5242●	4.16	3.77	3.35	3.13	– –
HCF4555BEY.	ST	16	DIL	Double décodeur binaire de 1 à 4 (sortie Haut actif)	312-0260▲	1.34	1.03	0.90	0.70	– –
HCF4555BEY	ST	16	DIL	Dual Binary-to-1 of 4 Decoder (Active High Outputs)	109-4202●	1.98	1.58	1.38	1.19	– –
HEF4555BP	PS	16	DIL	Dual Binary-to-1 of 4 Decoder (Active High Outputs)	386-431●	1.43	1.14	0.86	0.57	– –
MC14555BCPG	ON	16	DIL	Dual Binary to 1-of-4 Decoder/Demultiplexer	966-5277●	1.76	1.26	0.94	0.63	– –
MC14555BDG	ON	16	SOIC	Dual Binary to 1-of-4 Decoder/Demultiplexer	SMD 966-5250●	1.53	1.09	0.82	0.55	– –
HCF4556BEY.	ST	16	DIL	Dual Binary-to-1 of 4 Decoder/Demultiplexer (Inverting)	312-0272▲‡	1.34	1.03	0.90	0.70	– –
HCF4556BEY	ST	16	DIL	Dual Binary-to-1 of 4 Decoder/Demultiplexer (Inverting)	975-5594●	1.34	1.03	0.90	0.70	– –
MC14556BCPG	ON	16	DIL	Logic CMOS Decoder/Demultiplexer 1-4	966-4823●	1.67	1.19	0.89	0.60	– –
MC14557BCPG	ON	16	DIL	1-to-64 Bit Variable Length Shift Register	119-1819●	3.29	2.98	2.65	2.48	– –
MC14569BCPG	ON	16	DIL	Programmable Dual Binary/BCD Counter	119-1831●	6.87	5.84	4.50	4.08	– –
MC14569BDWG	ON	16	SOIC	Programmable Dual Binary/BCD Counter	SMD 120-9631●	10.42	6.48	5.70	– –	– –
MC14572UBCPG	ON	16	DIL	Hex Gate	966-5080●	1.47	1.05	0.79	0.53	– –
MC14584BCPG	ON	14	DIL	Hex Schmitt Trigger	966-5099●	1.16	0.83	0.62	0.42	– –
MC14584BDG	ON	14	SOIC	Hex Schmitt Trigger	SMD 966-5102●	0.97	0.69	0.52	0.35	– –
HCF4585BEY	ST	16	DIL	4 Bit Magnitude Comparator	312-0284▲	1.50	1.15	1.00	0.78	– –
HEF4585BP	PS	16	DIL	4 Bit Magnitude Comparator	386-522●	1.52	1.22	0.91	0.61	– –
MC14585BCPG	ON	16	DIL	4000 CMOS	966-4831●	1.39	0.99	0.75	0.50	– –
MC14585BDG	ON	16	SOIC	4 Bit Magnitude Comparator	SMD 119-1839●	1.37	0.98	0.73	0.49	– –
CD4724BCN	FCH	16	DIL	8 Bit Addressable Latch	101-4050●	2.27	1.73	1.32	1.16	– –
HCF40103BEY	ST	16	DIL	8 Bit Synchronous Binary Down Counter	975-5888●	2.47	1.89	1.63	1.29	– –
CD40106BCM..	FCH	14	SOIC	Hex Schmitt Trigger	SMD 505-171▲‡	1.29	0.97	0.73	0.54	– –
CD40106BCM	FCH	14	SOIC	Hex Schmitt Trigger	SMD 101-4054●	1.53	1.10	0.82	0.55	– –
CD40106BCN..	FCH	14	DIL	Hex Schmitt Trigger	386-649▲‡	0.88	0.71	0.53	0.37	– –
CD40106BCN	FCH	14	DIL	Hex Schmitt Trigger	101-4051●	1.05	0.80	0.60	0.38	– –
CD40106BE	TI	14	DIL	Hex Schmitt Trigger	110-6097	0.94	0.75	0.56	0.36	– –
CD40106BM	TI	14	SOIC	Hex Schmitt Trigger	SMD 958-9520●	0.98	0.75	0.56	0.36	– –
HCF40106BEY	ST	14	DIL	Hex Schmitt Trigger	975-5608●	0.94	0.72	0.63	0.49	– –
HCF40106BM1	ST	14	SOIC	Hex Schmitt Trigger	SMD 109-4185●	0.97	0.74	0.65	0.50	– –
HEF40106BP	PS	14	DIL	Hex Schmitt Trigger	386-662●	0.95	0.76	0.57	0.38	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1406 Date: 21-08-06 time:23:44

Mftrs. List No.	Mftr.	Pins	Pkg	Function	Order Code	Price Each 1+	25+	100+	250+	+
						MIXED QUANTITY PRICING				
HEF40106BT	PS	14	SOIC	Hex Schmitt Trigger	SMD 120-1301	0.75	0.60	0.45	0.30	– –
HCF40107BEY	ST	8	DIL	Dual 2 Input NAND Gate (Driver)	975-5896	1.55	1.18	1.03	0.81	– –
CD40147BE	TI	16	DIL	10-to-4-Line BCD Prority Encoder, 4000 CMOS Logic	386-704	2.23	1.78	1.40	0.97	– –
CD40174BEG4	TI	16	DIL	Hex D Flip/Flop	959-4540	2.26	1.80	1.42	0.98	– –
HEF40244BP	PS	20	DIL	Octal Buffers with Tri-State Outputs	386-820	3.73	2.99	2.24	1.49	– –

Emitter Coupled Logic

Emitter Coupled Logic (ECL)

These ECL devices offer high-speed operation with low skew and jitter, the range includes clock distribution and translation devices for interface to other logic families. The family is particularly suited to broadband communications including fibre data transmission, wide area networking (WAN) and Automatic Test equipment (ATE).

SMD

ON Semiconductor

229971

	Pins/ Package		Mftrs. List No.	Order Code	Price Each 1+	25+	100+
111	28/PLCC	4 bit Flip-Flop	MC100E111FNG	SMD 119-2060	41.01	30.53	25.28
131	28/PLCC	Low power VCO	MC100E131FNG	SMD 119-2062	42.32	35.35	27.63
16	8/SOIC	Differential driver/receiver	MC100EL16DG	SMD 119-2064	13.27	10.15	8.41
34	18/SOIC	1:3 Clock driver - Div 2/4/8	MC100EL34DG	SMD 119-2065	19.97	15.28	12.65
56	20/SOIC	Dual differential 2:1 multiplexer	MC100EL56DWG	SMD 119-2066	20.77	19.40	18.42
58	8/SOIC	2:1 Differential multiplexer	MC100EL58DG	SMD 119-2067	16.08	13.48	10.81
20	8/TSSOP	TTL/PECL Translator	MC100ELT20DTG	SMD 119-2068	10.19	8.53	6.84
21	8/SOIC	PECL/TTL Translator	MC100ELT21DG	SMD 119-2069	12.36	9.48	7.24
22	8/SOIC	Dual TTL/PECL Translator	MC100ELT22DG	SMD 119-2070	14.96	11.47	8.76
23	8/SOIC	Dual TTL/PECL Translator	MC100ELT23DG	SMD 119-2071	11.91	9.12	6.97
24	8/SOIC	TTL/ECL Translator	MC100ELT24DG	SMD 119-2072	13.79	10.55	8.73
25	8/SOIC	ECL/TTL/ Translator	MC100ELT25DG	SMD 119-2074	14.33	10.99	8.39
16	8/SOIC	Differential driver/receiver	MC100EP16DG	SMD 119-2075	12.62	9.66	8.04
20	8/TSSOP	LVTTL/LVPECL translator	MC100EPT20DTG	SMD 119-2076	16.61	12.71	10.74
21	8/TSSOP	LCPEC/LVTTL translator	MC100EPT21DTG	SMD 119-2077	16.83	12.88	10.67
20	8/TSSOP	Dual LVTTL/LVPECL translator	MC100EPT22DTG	SMD 119-2078	22.13	20.13	19.68
25	8/TSSOP	ECL/TTL translator	MC100EPT25DTG	SMD 119-2079	34.95	26.02	21.54
14	20/SOIC	1:5 Clock distribution circuit	MC100LVEL14DWG	SMD 119-2080	23.37	19.50	16.09
16	8/SOIC	Differential driver/receiver	MC100LVEL16DG	SMD 119-2081	16.40	12.55	10.40
32	8/SOIC	Differential ÷2 divider	MC100LVEL32DG	SMD 119-2082	13.12	11.00	8.93
89	8/SOIC	Coaxial cable driver	MC10EL89DG	SMD 119-2083	16.21	13.28	10.81
1648	8/SOIC	5V ECL Voltage Controlled Oscillator	MC100EL1648DG	SMD 119-2063	22.78	17.44	14.31

Emitter Coupled Logic (ECL)

NEW

MICREL®

422985

	Pins/ Package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
100EL11	8/SOIC	5V/3V 1:2 Differential Fanout Buffer	SY100EL11VZG	SMD 110-0688	6.05	5.01	4.28
100EL16	8/MSOP	5V/3V Differential Receiver	SY100EL16VZG	SMD 110-0687	5.21	4.30	3.67
100EL31	8/SOIC	D Flip-Flop with Set & Reset	SY100EL31ZG	SMD 110-0691	8.63	7.19	6.14
100EL32	8/SOIC	5V/3.3V ÷ 2 Divider	SY100EL32VZG	SMD 110-0690	6.48	5.40	4.60
100EL56	20/SOIC	5V/3.3V Dual Differential 2:1 Multiplexer	SY100EL56VZG	SMD 110-0689	8.59	7.16	6.09
100ELT22	8/SOIC	3.3V Dual TTL-to-Differential PECL Translator	SY100ELT22LZG	SMD 110-0684	4.98	4.13	3.53
100ELT22	8/SOIC	Dual TTL-to-Differential PECL Translator	SY100ELT22ZG	SMD 110-0682	4.98	4.13	3.53
100ELT23	8/SOIC	3.3V Dual Differential LVPECL-to-LVTTL Translator	SY100ELT23LZG	SMD 110-0686	4.98	4.13	3.53
100ELT23	8/SOIC	Dual Differential PECL Translator	SY100ELT23ZG	SMD 110-0685	4.98	4.13	3.53
55851	8/MSOP	2.5V/3V/5V, 3.0GHz CML AnyGate™Any Logic W/50 Or 100 Outputs	SY55851AUKG	SMD 110-0698	19.40	16.14	13.81
55855	10/MSOP	Dual CML/PECL/LVPECL-to-LVDS Translator	SY55855VKG	SMD 110-0692	15.43	12.86	10.97
55857	10/MSOP	2.5Gbps Any Input-to-LVPECL Dual Translator	SY55857LKG	SMD 110-0693	15.43	12.86	10.97
55858	32/TQFP	2.5V/3.3V/5V 3.0GHz Dual 2 X 2 CML Crosspoint Switch w/Internal Termination	SY55858UHG	SMD 110-0694	28.03	23.34	19.95
89828	64/TQFP	3.3V 1GHz Dual 1:10 Precision LVDS Fanout Buffer/Translator with 2:1 Input Multiplexer	SY89828LHG	SMD 110-0700	45.90	– –	– –
89831	16/MLF	2GHz Any Diff. In-to-LVPECL Ultra Low-Jitter and Skew 1:4 Fanout Buffer/Translator w/Internal Termination	SY89831UMG	SMD 110-0696	15.40	12.82	10.93
89833	16/MLF	3.3V, 2GHz Any Differential INPUT-to-LVDS 1:4 Fanout Buffer/Translator w/Internal Termination	SY89833LMG	SMD 110-0697	15.40	12.82	10.93
89874	16/MLF	2.5GHz Any Diff. In-to-LVPECL Programmable Clock Divider/Fanout Buffer with Internal Termination	SY89874UMG	SMD 110-0699	16.76	13.93	11.90

Programmable Logic Devices

GAL® Generic Array Logic (Trademark of Lattice Semiconductors) devices are fabricated using very high-speed Electrically Erasable CMOS (E^2CMOS), which offers the highest degree of testability and quality of any process technology, as well as instant erasability, making GAL devices ideal for prototyping and manufacturing. GAL devices can directly replace PAL devices in nearly every application. They offer the low power consumption of CMOS (¼ to ½ that of bipolar devices). Output logic macrocells are utilised to allow the user to configure outputs as needed. By bringing all these features together into a single product line, the GAL family is ideally suited to replace TTL random logic, low-density gate arrays, and all other programmable logic. The GAL family offers the benefits of reduced system cost, product size and power requirements, as well as higher reliability and greater simplified system design.

210582

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

210923

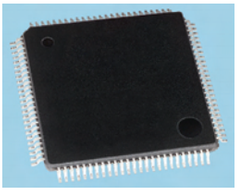
	Mftr.	Pins	Pkg	Description	P'gation Delay (ns)max	Supply Current (mA)max	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
16L8	TI		DIL	Octal 16 input AND/OR invert gate array	7.5	180	TIBPAL16L8-7CN	790-345	27.03	16.44	11.01
16LV8	LAT	20	PLCC	CMOS EEPLD, Low Voltage 3.3V, 16 i/p, 8 prog. o/p Logic Macrocells	8	70	GAL16LV8D-5LJ	SMD 332-7486▲‡	12.15	9.12	8.34
16LV8	LAT	20	PLCC	CMOS EEPLD, Low Voltage 3.3V, 16 i/p, 8 prog. o/p Logic Macrocells	8	70	GAL16LV8D-5LJN	SMD 969-9686●	12.15	9.12	8.93
16V8	LAT	20	PLCC	CMOS EEPLD, Low Power, 16 i/p, 8 prog., o/p Logic Macrocells	3.5	115	GAL16V8D-3LJ	SMD 413-9689▲‡	26.55	20.13	18.16
16V8	LAT	20	PLCC	CMOS EEPLD, Low Power, 16 i/p, 8 prog., o/p Logic Macrocells	3.5	115	GAL16V8D-3LJN	SMD 969-9759●	26.55	20.13	18.16
16V8	LAT	20	PLCC	CMOS EEPLD, Low Power, 16 i/p, 8 prog., o/p Logic Macrocells	7.5	115	GAL16V8D-7LJN	SMD 969-9732●	6.33	4.80	4.32
16V8	LAT	20	DIL	CMOS EEPLD, Low Power, 16 i/p, 8 prog., o/p Logic Macrocells	7.5	115	GAL16V8D-7LPN	969-9740●	6.33	4.80	4.32
16V8	LAT	20	PLCC	CMOS EEPLD - 16 i/p, 8 prog. o/p Logic Macrocells	10	115	GAL16V8D-10LJ	SMD 332-7498▲‡	5.35	3.93	3.77
16V8	LAT	20	PLCC	CMOS EEPLD - 16 i/p, 8 prog. o/p Logic Macrocells	10	115	GAL16V8D-10LJN	SMD 969-9694●	5.35	3.93	3.39
16V8	LAT	20	DIL	CMOS EEPLD - 16 i/p, 8 prog. o/p Logic Macrocells	10	115	GAL16V8D-10LPN	110-1471●	12.12	9.86	8.46
16V8	LAT	20	PLCC	CMOS EEPLD - 16 i/p, 8 prog. o/p Logic Macrocells	15	90	GAL16V8D-15LJN	SMD 969-9708●	3.21	2.28	2.10
16V8	LAT	20	DIL	CMOS EEPLD - 16 i/p, 8 prog. o/p Logic Macrocells	15	90	GAL16V8D15LPN	969-9953●	6.67	5.67	5.01
16V8	LAT	20	PLCC	CMOS EEPLD, Quarter Power, 16 i/p, 8 prog., o/p Logic Macrocells	15	55	GAL16V8D-15QJN	SMD 969-9783●	4.02	3.03	2.74
16V8	LAT	20	DIL	CMOS EEPLD - 16 i/p, 8 prog. o/p Logic Macrocells, Quarter power	15	55	GAL16V8D-15QPN	969-9678●	3.65	2.74	– –
16V8	LAT	20	PLCC	CMOS EEPLD	25	90	GAL16V8D-25LJ	SMD 563-407▲‡	6.29	5.02	4.32
16V8	LAT	20	PLCC	CMOS EEPLD	25	90	GAL16V8D25LJN	SMD 969-9970●	6.29	5.02	4.32
16V8	LAT	20	DIL	CMOS EEPLD - 16 i/p, 8 prog. o/p Logic Macrocells	25	90	GAL16V8D25LPN	969-9961●	6.29	5.02	4.32
16V8	LAT	20	PLCC	CMOS EEPLD, Quarter Power, 16 i/p, 8 prog., o/p Logic Macrocells	25	55	GAL16V8D-25QJN	SMD 969-9775●	3.30	2.49	2.25
16V8	LAT	20	DIL	CMOS EEPLD, Quarter Power, 16 i/p, 8 prog., o/p Logic Macrocells.	25	55	GAL16V8D-25QPN	969-9767●	3.30	2.49	2.23
16V8	LAT	20	DIL	GAL16V8 compatible CMOS, Zero Standby Power, Erasable PLD	15	100	GAL16V8Z-15QP	271-652	13.88	10.20	8.64
18V10	LAT	20	DIL	CMOS EEPLD - 18 i/p, 10 prog, o/p Logic Macrocells	20	115	GAL18V10B-20LP	703-540	9.26	6.90	6.33
18CV8	ICT	20	DIL	CMOS EEPLD - 18 i/p, 8 prog, o/p Logic Macrocells	15	45	PEEL18CV8P15	120-9621●	10.45	8.24	6.58
18CV8	ICT	20	DIL	CMOS EEPLD - 18 i/p, 8 prog, o/p Logic Macrocells	25	37	PEEL18CV8P25	120-9622●	9.34	7.36	5.79
18CV8	ICT	20	SOIC	CMOS EEPLD - 18 i/p, 8 prog, o/p Logic Macrocells	25	37	PEEL18CV8J25	SMD 120-9625●	9.34	7.36	5.79
20RA10	LAT	24	DIL	CMOS EEPLD, High Speed Asynchronous, 20 i/p, 8 prog. o/p Logic Macrocells	15	100	GAL20RA10B-15LP	332-7413	22.65	16.08	14.65
20RA10	LAT	24	DIL	CMOS EEPLD, High Speed Asynchronous, 20 i/p, 8 prog. o/p Logic Macrocells	20	100	GAL20RA10B-20LP	332-7425	16.42	12.18	– –
20V8	LAT	24	DIL	CMOS EEPLD, 20 i/p, 8 prog. o/p Logic Macrocells, Quarter Power.	25	55	GAL20V8B-25QP	332-7462	4.10	3.25	2.73

210718

	Mftr.	Pins	Pkg	Description	P'gation Delay (ns) max.	Supply Current (mA) max.	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
20V8	LAT	28	PLCC	CMOS EEPLD, 20 i/p, 8 prog. o/p Logic Macrocells.	15	90	GAL20V8B-15LJN	SMD 110-1465●	3.97	3.28	2.77
20V8	LAT	28	PLCC	CMOS EEPLD (PLCC Package)	25	90	GAL20V8B-25LJ	SMD 563-419	6.66	4.47	3.78
20V8	LAT	28	PLCC	CMOS EEPLD	25	90	GAL20V8B-25LJN	SMD 110-1469●	6.66	4.47	3.78
20V8	LAT	24	DIL	CMOS EEPLD - 20 i/p 8 prog. o/p Logic Macrocells	25	90	GAL20V8B-25LP	445-381	6.37	4.16	3.39
20V8	LAT	24	DIL	CMOS EEPLD, 20 i/p, 8 prog. o/p Logic Macrocells, Quarter Power	25	55	GAL20V8B-25QP	332-7462	4.10	3.25	2.73
20V8	LAT	24	DIL	GAL20V8 compatible CMOS, Zero Standby Power, ErasablePLD	15	100	GAL20V8Z-15QP	271-664	23.04	15.90	13.53
20V8	LAT	24	DIL	CMOS EEPLD, 20 i/p, 8 prog. o/p Logic Macrocells, Quarter Power	25	55	GAL20V8B-25QP	332-7462	4.10	3.25	2.73
22CV10	ICT	24	DIL	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	15	135	PEEL22CV10AP15	120-9623●	21.03	16.73	13.41
22CV10	ICT	24	DIL	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	25	67	PEEL22CV10AP25	120-9624●	17.67	14.06	11.23
22CV10	ICT	28	SOIC	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	15	135	PEEL22CV10AJ15	SMD 120-9626●	18.52	12.34	10.58
22CV10	ICT	28	PLCC	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	25	67	PEEL22CV10AJ25	SMD 120-9627●	17.80	13.44	11.56
22CV10	ICT	24	DIL	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	10	135	PEEL22CV10AP10	120-9628●	27.50	21.03	18.10
22LV10	LAT	28	PLCC	CMOS EEPLD, Low Voltage, 5V tolerant, 22 i/p, 10 prog. o/p Logic Macrocells	7.5	75	GAL22LV10C-7LJ	SMD 413-9963	13.29	10.08	9.08
22V10	LAT	28	PLCC	CMOS In-System Programmable EEPLD, Low Power, 22 i/p, 10 prog., o/p Logic Macrocells	10	140	ISPGAL22V10C-10LJ	SMD 413-9926	13.14	9.96	8.96
22V10	LAT	28	PLCC	CMOS In-System Programmable EEPLD, Low Power, 22 i/p, 10 prog., o/p Logic Macrocells (PLCC Package).	10	140mA	ISPGAL22V10C-10LJN	SMD 110-1467●	13.14	9.96	8.96
22V10	LAT	28	PLCC	CMOS In-System Programmable EEPLD, Low Power, 22 i/p, 10 prog., o/p Logic Macrocells	15	140	ISPGAL22V10C-15LJ	SMD 413-9914	11.58	8.79	7.91
22V10	LAT	28	PLCC	CMOS In-System Programmable EEPLD, Low Power, 22 i/p, 10 prog., o/p Logic Macrocells (PLCC Package).	15	140	ISPGAL22V10C-15LJN	SMD 110-1466●	11.58	8.79	7.91
22V10	LAT	28	PLCC	CMOS EEPLD, Low Power, 22 i/p, 10 prog., o/p Logic Macrocells.	7.5	140	GAL22V10D-7LJN	SMD 969-9805●	24.09	18.24	16.46
22V10	LAT	28	PLCC	CMOS EEPLD, Low Power, 22 i/p, 10 prog., o/p Logic Macrocells.	10	130	GAL22V10D-10LJN	SMD 969-9791●	13.14	9.96	8.96
22V10	LAT	28	PLCC	CMOS EEPLD, Quarter Power, 22 i/p, 10 prog., o/p Logic Macrocells	10	55	GAL22V10D-10QJN	SMD 969-9864●	20.76	15.69	14.17
22V10	LAT	24	DIL	CMOS EEPLD, Quarter Power, 22 i/p, 10 prog., o/p Logic Macrocells.	10	55	GAL22V10D-10QPN	969-9848●	20.76	15.69	14.93
22V10	LAT	28	PLCC	CMOS EEPLD	15	130	GAL22V10D-15LJN	SMD 969-9635●	18.00	13.70	12.73
22V10	LAT	24	DIL	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	15	130	GAL22V10D-15LPN	969-9643●	17.97	13.70	12.89
22V10	LAT	28	PLCC	CMOS EEPLD, Quarter Power, 22 i/p, 10 prog., o/p Logic Macrocells	15	55	GAL22V10D-15QJN	SMD 969-9830●	14.22	10.77	10.23
22V10	LAT	24	DIL	CMOS EEPLD, Quarter Power, 22 i/p, 10 prog., o/p Logic Macrocells.	15	55	GAL22V10D-15QPN	969-9821●	14.22	10.77	10.23
22V10	LAT	24	DIL	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	25	130	GAL22V10D-25LPN	969-9651●	14.50	10.49	9.15
22V10	LAT	28	PLCC	CMOS EEPLD, Quarter Power, 22 i/p, 10 prog., o/p Logic Macrocells	25	55	GAL22V10D-25QJN	SMD 969-9813●	9.78	7.41	7.11
22V10	LAT	24	DIL	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	25	55	GAL22V10D-25QP	116-786▲‡	14.31	10.15	8.79
22V10	LAT	24	DIL	CMOS EEPLD - 22 i/p, 10 prog. o/p Logic Macrocells	25	55	GAL22V10D-25QPN	969-9660●	14.31	10.15	8.79
22V10	LAT	28	SSOP	CMOS EEPLD, In-circuit Programmable, 22 i/p, 10 prog. o/p Logic Macrocells	15	140	ISPGAL22V10C15LK	SMD 332-7670	12.84	8.97	8.06

Ultra37000 CPLD Family

CYPRESS



The Ultra37000™ family of CMOS CPLDs provides a range of high-density programmable logic solutions with excellent system performance. The architecture is based on a number of logic blocks that are connected by a Programmable Interconnect Matrix (PIM). Each logic block features its own product term array, product term allocator, and 16 macrocells. The PIM distributes signals from the logic block outputs and all input pins to the logic block inputs.

NEW

387100

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

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Device	Macrocells	Gate Equivalents	I/O Pins	Vcc	Speed (ns)	Supply Current (mA)	Pins/ Package	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
37064	64	2000	69	5	6	10	100 TQFP	CY37064P100-125AXC	SMD 891-1347	23.99	20.38	17.07
37064	64	2000	37	5	6	10	44 TQFP	CY37064P44-125AXC	SMD 891-1355	16.34	13.87	11.63
37128	128	3800	69	5	6.5	10	100 TQFP	CY37128P100-100AXC	SMD 891-1363	37.89	29.00	24.32
37128	128	3800	133	5	6.5	10	160 TQFP	CY37128P160-100AXC	SMD 891-1371	46.68	35.71	29.95

MACH - Macro Array CMOS High-Density

210492

Mftrs. List No.	Macrocell	Gate Equivalents	I/Os	Flip-Flops	Speed (ns)	Pins/Package	Order Code	Price Each 1+	10+	100+
MACH 4										
M4A5-32/32-10JC	32		33		15	44 PLCC	SMD 354-7942	11.37	8.44	7.92
M4A5-64/32-10JC	64		33		7	44 PLCC	SMD 354-7954	14.04	10.43	9.88
M4-128N/64-15JC	128	5000	64	192	15	84 PLCC	SMD 301-0089	42.07	36.94	33.96
M4A3-128/64-10VNC	128				10	100 TQFP	SMD 969-9880	35.58	26.97	24.33
M4A5-128/64-10YC	128	5000	64	192	10	100 PQFP	SMD 301-0119	54.00	47.03	40.62
M4A5-192/96-10VNC	192				10	144 TQFP	SMD 969-9872	94.20	70.65	65.70
M4A5-256/128-10YC	256				10	208 PQFP	SMD 414-0011	142.56	106.92	99.43

MAX3000/7000s

These devices are ideal for system-level integration, featuring ISP, six output enable signals, two global clocks, fast input registers and programmable slew-rate control. ISP uses JTAG, allowing for devices to be programmed and the design board functionally tested, saving on manufacturing steps and on testing times.

210897

Mftrs. List No.	Gates	Macrocells	I/O pins	Speed (ns)	voltage	Pins/Package	Order Code	Price Each 1+	25+	+
EPM7064SLC44-5N		64	68	6		44PLCC	SMD 992-5899	63.50	52.50	– –
EPM7064STC44-10N		64	68	10		44TQFP	SMD 992-5902	15.18	11.62	– –

Spartan and Spartan-XL FPGAs

XILINX

The Spartan and the Spartan-XL families are a high-volume production FPGA solution that delivers all the key requirements for ASIC replacement up to 40,000 gates. These requirements include high performance, on-chip RAM, core solutions and prices that, in high volume, approach and in many cases are equivalent to mask programmed ASIC devices. The Spartan series is the result of years of FPGA design experience and feedback from thousands of customers. By streamlining the Spartan series feature set, leveraging advanced process technologies and focusing on total cost management, the Spartan series delivers the key features required by ASIC and other high-volume logic users while avoiding the initial cost, long development cycles and inherent risk of conventional ASICs.

- First ASIC replacement FPGA for high-volume production with on-chip RAM
- Streamlined feature set based on XC4000 architecture
- System performance beyond 80 MHz
- Unlimited reprogrammability
- Low cost
- Available in both 5V and 3.3V (XL) versions.
- On-chip SelectRAM™ memory
- Fully PCI compliant
- Full readback capability for program verification and internal node observability
- Dedicated high-speed carry logic
- Internal 3-state bus capability
- Eight global low-skew clock or signal networks
- IEEE 1149.1-compatible Boundary Scan logic
- 3.3V supply for low power with 5V tolerant I/Os (XL only)
- 12 mA or 24 mA output drive (XL only)

Device	Logic Cells	Max. System Gates	Typical Gate Range Logic and RAM	Configurable Logic Block Matrix	No. of Flip-Flops	Total Distributed RAM Bits	Max. User I/O
05/05XL	238	5000	2000 - 5000	10 x 10	360	3200	77
10/10XL	466	10000	3000 - 10000	14 x 14	616	6272	112
40/40XL	1862	40000	13000 - 40000	28 x 28	2016	25088	224

234926

Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
05 100	VTQFP	SPARTAN(tm) FPGA, 5000 gates, 77 I/O lines, 4ns propagation delay, 3.3V	XCS05XL-4VQG100C	SMD 119-3234	44.43	38.12	30.21
10 84	PLCC	SPARTAN(tm) FPGA, 10000 gates, 61 I/O lines	XCS10-3PCG84C	SMD 119-3236	62.89	53.94	42.77
10 84	PLCC	SPARTAN(tm) FPGA, 10000 gates, 61 I/O lines, 3.3V	XCS10XL-4PCG84C	SMD 119-3237	55.53	47.69	37.76
40 240	PQFP	SPARTAN(tm) FPGA, 40,000 gates, 192 I/O lines	XCS40-4PQG240C	SMD 119-3240	190.42	155.85	147.97

XC3000 and XC5200 Serial FPGAs

XILINX

Xilinx XC3000 and XC5200 Series Field Programmable Gate Arrays (FPGAs) provide a group of high-performance, high-density, digital integrated circuits. Their regular, extendable, flexible, user-programmable array architecture is composed of a configuration program store plus three types of configurable elements: a perimeter of I/O Blocks (IOBs), a core array of Configurable Logic Bocks (CLBs) and resources for interconnection.

- Replaces TTL, MSI, and other PLD logic
- Low quiescent and active power consumption
- Flexible FPGA architecture
- High fan-out signal distribution, low-skew clock nets
- Internal 3-state bus capabilities
- On-chip crystal oscillator amplifier (XC3000 only)
- Dedicated carry logic for fast arithmetic capability (XC5200 only)
- Unlimited reprogrammability
- 100% factory pre-tested devices
- Excellent reliability record

Device	Typical Gate Range	Configurable Logic Blocks	Array	User I/Os max.	Flip-Flops	Program Data (bits)
3020	1000- 1500	64	8 x 8	64	256	14779
3042A, 3142A	2000 - 3000	144	12 x 12	80	480	30784
5202	2000 - 3000	64	8 x 8	96	256	42416

234922

Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
3042	84 PLCC	3000 gate High Density CMOS FPGA - 85MHz	XC3042A-7PCG84C	SMD 119-3224	72.81	57.71	46.42
3142	84 PLCC	3000 gate High Density CMOS FPGA - 85MHz	XC3142A-4PCG84	SMD 119-3225	55.40	50.26	41.34
5202	100 PQFP	3000 gateFPGA - 50MHz	XC5202-6PQ100C	SMD 384-8966	35.76	30.44	28.61

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1409 Date: 24-08-06 time: 14:14

XC9500 ISP Programmable CPLDs

XILINX

The XC9500 CPLD family provides advanced in-system programming and test capabilities for high performance, general purpose logic integration. All devices are in-system programmable for a minimum of 10,000 program/erase cycles. Extensive IEEE 1149.1 (JTAG) boundary-scan support is also included on all family members.

- High-performance, Fmax to 125MHz (5V devices) and 200MHz (XL - 3.3V devices)
- In-system programmable via JTAG Interface
- Endurance of 10,000 program/erase cycles with 20 year data retention
- Program/erase over full commercial voltage and temperature range
- Enhanced pin-locking architecture
- Global and product term clocks, output enables, set and reset signals
- Extensive IEEE Std 1149.1 boundary-scan (JTAG) support
- Programmable power reduction mode in each macrocell
- Individual output enable per output pin with local inversion
- Slew rate control on individual outputs
- User programmable ground pin capability
- Extended pattern security features for design protection
- High-drive 24 mA outputs
- 3.3 V or 5 V I/O capability
- Excellent quality and reliability

Device	Macro Cells	Usable Gates	Function Blocks	Max. User I/O
9536	36	800	2	36
9572	72	1600	4	72

234925

	Mftr.	Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
9536 XLX	XLX	44	PLCC	In-system Programmable FLASH CPLD, 15ns, 100MHz	XC9536-15PCG44C	SMD 119-3226 ●	14.13	11.98	9.34
9536 XLX	XLX	44	VQFP	In-system Programmable FLASH CPLD, 15ns, 100MHz	XC9536-15VQG44C	SMD 119-3227 ●	17.48	13.09	9.54
9536 XLX	XLX	44	PLCC	In-system Programmable FLASH CPLD, 10ns, 100MHz, 3.3V (IND TEMP)	XC9536XL-10PCG44C	SMD 119-3228 ●	5.96	4.43	3.63
9536 XLX	XLX	64	VQFP	In-system Programmable FLASH CPLD, 10ns, 100MHz, 3.3V (IND TEMP)	XC9536XL-10VQG64C	SMD 119-3229 ●	6.93	5.21	4.00
9572 XLX	XLX	44	PLCC	In-system programmable CPLD, 15ns, 125MHz	XC9572-15PCG44C	SMD 119-3230 ●	20.73	15.53	11.29
9572 XLX	XLX	84	PLCC	In-system programmable CPLD, 15ns, 125MHz	XC9572-15PCG84C	SMD 119-3231 ●	26.30	19.73	14.29
9572 XLX	XLX	44	PLCC	In-system programmable CPLD, 10ns, 125MHz 3.3V	XC9572XL-10PCG44C	SMD 119-3232 ●	11.26	8.40	6.84
9572 XLX	XLX	100	TQFP	In-system programmable CPLD, 10ns, 125MHz 3.3V	XC9572XL-10TQG100C	SMD 119-3233 ●	20.15	15.07	10.97

XC1700 OTP Serial ROMs

XILINX

The XC1700 family of serial configuration PROMs (SCPs) provides an easy-to-use, cost-effective method for storing Xilinx FPGA configuration bit-streams.

Features include:

- On-chip address counter incremented by each rising edge on the clock input.
- Simple interface to the FPGA requires only one user I/O pin.
- Cascadable for storing longer or multiple bit-streams.
- Programmable reset polarity (active High or active Low) for compatibility with different FPGA solutions.
- Low-power CMOS EPROM process.
- Available in 5V and 3.3V (XL) versions.
- Available in 8-pin DIL plastic packages, and commercial and industrial temperature ranges.
- Programming support by leading programmer manufacturers.
  - XC1736 = 36288 configuration bits
  - XC1765 = 65536 configuration bits
  - XC17S30XL = 249168 configuration bits
  - XC17S40 = 329312 configuration bits
  - XC17S40XL = 330696 configuration bits

234916

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
1736	XLX	8	DIL	Configuation PROM for Xilinx FPGAs, 65,536 bits	XC1736EPDG8C	119-3220 ●	21.58	16.14	11.72
1765	XLX	8	DIL	Configuation PROM for Xilinx FPGAs, 36,288 bits	XC1765EPDG8C	119-3221 ●	18.59	13.87	10.09
17S30	XLX	8	DIL	Configuration PROM for Xilinx 'SPARTAN' FPGAs, 249,168 bits	XC17S30XLPDG8C	119-3222 ●	24.58	18.39	13.35
17S40	XLX	8	DIL	FPGA serial configuration PROM, 329,312 bits	XC17S40PDG8C	119-3238 ●	41.92	35.61	27.05
17S40	XLX	8	DIL	FPGA serial configuration PROM, 329,312 bits, 3.3V	XC17S40XLPDG8C	119-3239 ●	25.65	21.81	16.60

isp (In-System Programmable) High-Density

These are High-Density CMOS EEPLD, 80MHz devices.

SMD

210495

Device	Macrocells	Gate Equivalents	Inputs & I/O	Registers	Speed (ns)	Supply Current (mA)	Pins/ Package	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
1016	64	2000	36	96	15	150	44 PLCC	ISPLSI1016-80LJ	SMD 563-365	38.93	32.72	29.22
1016	64	2000	36	96	7.5	120	44 PLCC	ISPLSI1016E-125LJ	SMD 332-7681	37.80	26.64	23.25
1024	96	4000	54	144	15	190	68 PLCC	ISPLSI1024-80LJ	SMD 640-682	71.55	65.55	60.75
1032	128	6000	72	192	15	190	84 PLCC	ISPLSI1032-80LJ	SMD 640-694	94.50	81.23	72.63
1032	128	6000	72	192	15	230	84 PLCC	ISPLSI1032E-70LJ	SMD 332-7700	36.91	27.16	25.14
2032	32	1000	34	32	10	110	44 PLCC	ISPLSI2032E-110LJ44	SMD 332-7711	11.66	8.66	8.12
2064	64	2000	68	64	10	140	84 PLCC	ISPLSI2064A-100LJ	SMD 332-7759	25.16	18.67	17.61
2096	96	4000	102	96	10	180	128 TQFP	ISPLSI2096VE-100LT128	SMD 332-7905 ▲‡	28.81	22.65	22.41
2096	96	4000	102	96	10	180	128 TQFP	ISPLSI2096VE-100LTN128	SMD 969-9724 ●	28.81	22.65	22.41



● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Static RAMs

Static RAMs

210856

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2K											
8570	PS	8	DIL	2K (256 × 8) Low Power CMOS SRAM with I²C Bus Interface	PCF8570P/F5	120-1302	8.76	7.04	5.28	4.80	– –
8570	PS	8	SOIC	2K (256 × 8) Low Power CMOS SRAM with I²C Bus Interface	PCF8570T/F5	SMD 120-1337	8.79	7.04	5.28	4.80	– –
8570	PS	8	DIL	2K (256 × 8) CMOS SRAM with I²C Bus Interface	PCF8570P/F5,112	890-6157	8.79	6.97	5.76	– –	– –
16K											
48T02	ST	24	DIL	16K (2K × 8) TIMEKEEPER® SRAM, 200ns acc., Vpfd <4.75V	M48T02-200PC1	975-6515	40.44	33.79	26.53	– –	– –
48T02	ST	24	DIL	16K (2K × 8) TIMEKEEPER® SRAM, 150ns acc	M48T02-150PC1	975-6388	44.48	37.17	29.18	– –	– –
48T12	ST	24	DIL	16K (2K × 8) TIMEKEEPER® SRAM, 150ns acc., Vpfd <4.5V	M48T12-150PC1	975-6523	44.48	37.17	29.18	– –	– –
48T12	ST	24	DIL	16K (2K × 8) TIMEKEEPER® SRAM, 200ns acc., Vpfd <4.5V	M48T12-200PC1	975-6531	40.44	33.79	26.53	– –	– –
48T12	ST	24	DIL	16K (2K × 8) TIMEKEEPER® SRAM, 200ns acc., Vpfd <4.5V	M48T12-200PC1.	688-381‡	40.44	33.79	26.53	– –	– –
2016	MAX	24	DIL	16K (2K × 8) CMOS SRAM, 100ns acc., (6116 equiv.)	DS2016-100	795-914	21.12	16.60	13.17	– –	– –
6116	IDT	24	DIL	16K (2K × 8) CMOS SRAM, 15ns acc	IDT6116SA15TPG	108-1511	7.81	6.51	5.58	– –	– –
6116	IDT	24	SOJ	16K (2K × 8) CMOS SRAM, 15ns acc	IDT6116SA15YG	SMD 108-1513	6.51	5.44	4.65	– –	– –
6116	IDT	24	DIL	16K (2K × 8) CMOS SRAM, 45ns acc	IDT6116SA45P	793-292	14.31	12.45	10.92	– –	– –
6116	IDT	24	DIL	16K (2K × 8) CMOS SRAM, 45ns acc	IDT6116SA45PG	121-8012	14.31	12.45	10.92	– –	– –
6167	IDT	20	DIL	16K (16K × 1) CMOS SRAM, 25ns acc	IDT6167SA25P	793-310	22.90	21.03	18.45	– –	– –
6167	IDT	20	DIL	16K (16K × 1) CMOS SRAM, 25ns acc	IDT6167LA25PDG	120-0444	22.90	21.03	18.45	– –	– –
64K											
7C185	CYP	28	DIL	64K (8K × 8) CMOS SRAM, 20ns acc	CY7C185-20PC	301-1549	9.56	7.07	6.51	– –	– –
7C185	CYP	28	DIL	64K (8K × 8) CMOS SRAM, 20ns acc	CY7C185D-15PXC	121-7551	9.56	7.07	6.51	– –	– –
7C185	CYP	28	SOJ	64K (8K × 8) CMOS SRAM, 20ns acc	CY7C185-20VC	SMD 301-1550	10.71	7.56	6.57	– –	– –
7C185	CYP	28	SOJ	64K (8K × 8) CMOS SRAM, 20ns acc	CY7C185D-15VXC	SMD 121-7552	10.71	7.56	6.57	– –	– –
48T08	ST	28	DIL	64K (8K × 8) TIMEKEEPER® SRAM, 150ns acc., Vpfd <4.75V	M48T08-150PC.	688-393‡	50.35	42.08	33.03	– –	– –
48T08	ST	28	DIL	64K (8K × 8) TIMEKEEPER® SRAM, 100ns acc	M48T08-100PC1	975-6396	55.89	48.83	38.34	– –	– –
48T08	ST	28	DIL	64K (8K × 8) TIMEKEEPER® SRAM, 150ns acc., Vpfd <4.75V	M48T08-150PC	975-6540	50.35	42.08	33.03	– –	– –
48T18	ST	28	DIL	64K (8K × 8) TIMEKEEPER® SRAM, 100ns acc., Vpfd <4.5V	M48T18-100PC1	975-6558	55.89	48.83	38.34	– –	– –
48T18	ST	28	DIL	64K (8K × 8) TIMEKEEPER® SRAM, 150ns acc., Vpfd <4.5V	M48T18-150PC	975-6566	50.35	42.08	33.03	– –	– –
623308	AMIC	28	DIL	64K (8K × 8) CMOS SRAM, 70ns acc	A623308A-70SF	911-7245	7.06	5.18	4.49	– –	– –
6264	HT	28	DIL	64K (8K × 8) CMOS SRAM, 70ns acc., low power	HT6264-70DIP	283-605	8.26	6.93	6.48	6.28	– –
6264	CYP	28	SOIC	64K (8K × 8) CMOS SRAM, 70ns acc	CY6264-70SNXC	SMD 891-1460	6.35	5.66	4.51	– –	– –
7164	IDT	28	DIL	64K (8K × 8) CMOS SRAM, 35ns acc	IDT7164S35P	793-334	19.89	16.56	13.74	– –	– –
7164	IDT	28	DIL	64K (8K × 8) CMOS SRAM, 35ns acc	IDT7164S35PG	121-8014	19.89	16.56	13.74	– –	– –
256K											
256	ISSI	28	SOP	256K (32K × 8) Low Power CMOS SRAM - 45ns Access	IS62C256AL-45ULI	SMD 107-7671	17.48	16.50	15.33	11.26	– –
5M5256	REN	28	SOP	256K (32K × 8), CMOS SRAM 4.5V - 5.5V, 70ns acc	M5M5256DFP-70LL#BM	SMD 883-0193	11.95	9.96	8.46	– –	– –
7C199	CYP	28	SOJ	256K (32K × 8) CMOS SRAM, 12ns acc	CY7C199C-12VXC	SMD 891-1533	5.11	3.94	3.30	– –	– –
7C199	CYP	28	DIL	256K (32K × 8) CMOS SRAM, 15ns acc	CY7C199C-15PXC	891-1541	5.37	4.10	3.44	– –	– –
48T35	ST	28	DIL	256K (32K × 8) TIMEKEEPER® SRAM, 70ns acc., Vpfd <4.5V	M48T35Y-70PC1	975-6574	56.23	47.24	37.08	– –	– –
48T35	ST	28	SOIC	256k (32K × 8) TIMEKEEPER® SRAM-70ns, vpfd<4.5v	M48T35Y-70MH1	SMD 688-435‡	35.26	29.47	23.14	– –	– –
48T35	ST	28	SOIC	256k (32K × 8) TIMEKEEPER® SRAM-70ns, vpfd<4.5v	M48T35Y-70MH1E	SMD 988-2936	25.09	21.56	16.77	– –	– –
48T35	ST	28	DIL	256K (32K × 8) TIMEKEEPER® SRAM, 70ns acc., Vpfd <4.5V	M48T35Y-70PC1.	688-447‡	56.23	47.24	37.08	– –	– –
62LV256	BSI	28	DIL	256K (32K × 8) SRAM, 2.4 to 5.5V, 70ns acc	BS62LV256PCP70	869-8139	10.03	7.71	7.16	6.48	– –
62LV256	BSI	28	SOP	256K (32K × 8) SRAM, 2.4 to 5.5V, 70ns acc	BS62LV256SCP70	SMD 869-8147	10.22	7.75	7.36	6.67	– –
71V256	IDT	28	SOJ	256K (32K × 8) CMOS SRAM, 20ns acc., 3.3V	IDT71V256SA20Y	SMD 119-374	7.35	– –	– –	– –	– –
71V256	IDT	28	SOJ	256K (32K × 8) CMOS SRAM, 20ns acc., 3.3V	IDT71V256SA20YG	SMD 121-7994	7.35	– –	– –	– –	– –
43256	NEC	28	DIL	256K (32K × 8) CMOS SRAM, 70ns acc., ultra low power	UPD43256BCZ-70LL-A	120-9629	26.56	20.05	16.37	– –	– –
43256	NEC	28	SOIC	256K (32K × 8) CMOS SRAM, 70ns acc., ultra low power	UPD43256BGU-70LL	SMD 334-5968	19.04	15.65	13.08	– –	– –
62256	CYP	28	DIL	256K (32K × 8) CMOS SRAM, 70ns acc	CY62256L-70PXC	891-1428	5.76	4.88	4.09	– –	– –
62256	CYP	28	SOIC	256K (32K × 8) CMOS SRAM, 70ns acc	CY62256L-70SNXC	SMD 891-1436	5.73	4.82	3.68	– –	– –
62256	CYP	28	DIL	256K (32K × 8) CMOS SRAM, 70ns acc	CY62256LL-70PXC	891-1444	5.63	4.88	3.74	– –	– –
71256	IDT	28	SOJ	256K (32K × 8) CMOS SRAM, 20ns acc., low power	IDT71256SA20Y	SMD 787-929	19.12	16.13	14.70	13.80	– –
71256	IDT	28	SOJ	256K (32K × 8) CMOS SRAM, 20ns acc., low power	IDT71256SA20YG	SMD 121-8010	19.12	16.13	14.70	13.80	– –
1Mb											
1024	ISSI	32	SOP	1M (128K × 8) Low Power CMOS SRAM - 35ns Access	IS62C1024AL-35QLI	SMD 107-7672	21.71	17.97	14.84	13.38	– –
5M51008	REN	32	SOP	1Mb (128K × 8) CMOS SRAM, 4.5V - 5.5V, 70ns acc	M5M51008DFP-70H#BT	SMD 883-0207	11.95	9.96	8.46	– –	– –
5M51008	REN	32	TSOP	1Mb (128K × 8) CMOS SRAM, 4.5V - 5.5V, 70ns acc	M5M51008DVP-70H#BT	SMD 883-0215	13.31	11.10	9.49	– –	– –
7C109	CYP	32	SOJ	1Mb (128K × 8) CMOS SRAM, 15ns acc	CY7C109B-15VXC	SMD 891-1525	7.62	5.86	4.65	– –	– –
7C1021	CYP	44	SOJ	1Mb (64K × 16) CMOS SRAM, 12ns acc	CY7C1021B-12VC	SMD 301-1690	27.00	22.09	20.70	– –	– –
7C1021	CYP	44	SOJ	1Mb (64K × 16) CMOS SRAM, 12ns acc	CY7C1021B-12VXC	SMD 121-7553	27.00	22.09	20.70	– –	– –
62LV1027	BSI	32	DIL	1Mb (128K × 8) SRAM, 2.4 to 5.5V, 55ns acc	BS62LV1027PCP55	869-8155	12.01	9.05	8.59	7.88	– –
62LV1027	BSI	32	SOP	1Mb (128K × 8) SRAM, 2.4 to 5.5V, 55ns acc	BS62LV1027SCP55	SMD 869-8163	12.37	9.34	8.89	8.04	– –
62128	CYP	32	SOIC	1Mb (128K × 8) CMOS SRAM, 70ns acc	CY62128BLL-70SXC	SMD 891-1380	6.77	5.53	4.60	– –	– –
62128	CYP	32	SOIC	1Mb (128K × 8) CMOS SRAM, 55ns acc	CY62128DV30LL-55SXI	SMD 891-1398	7.55	5.79	4.84	– –	– –
71016	IDT	44	SOJ	1Mb (64K × 16) CMOS SRAM, 20ns acc., low power	IDT71016S20Y	SMD 787-966	15.93	12.83	10.50	– –	– –
71016	IDT	44	SOJ	1Mb (64K × 16) CMOS SRAM, 20ns acc., low power	IDT71016S20YG	SMD 121-8011	15.93	12.83	10.50	– –	– –
71024	IDT	32	SOJ	1Mb (128K × 8) CMOS SRAM, 12ns acc	IDT71024S12YG	SMD 108-1515	5.18	4.33	3.72	– –	– –
71028	IDT	28	SOJ	1Mb (256K × 4) CMOS SRAM, 12ns acc	IDT71028S12Y	SMD 466-0584	4.75	4.04	3.72	– –	– –
431000	NEC	32	DIL	1Mb (128K × 8) CMOS SRAM, 70ns acc., ultra low power	UPD431000ACZ-70LL-A	120-9613	35.87	32.42	27.21	– –	– –
431000	NEC	32	SOIC	1Mb (128K × 8) CMOS SRAM, 70ns acc., ultra low power	UPD431000AGW-70LL-A	SMD 120-9614	36.55	33.40	27.80	– –	– –
4Mb											
1LP0408	REN	32	SOP	4Mb (512K × 8) CMOS SRAM, 2.7V - 3.6V, 70ns acc	R1LP0408CSP-7LC#BO	SMD 883-0223	27.28	22.75	19.44	– –	– –
1LP0408	REN	32	SOP	4Mb (512K × 8) CMOS SRAM, 2.7V - 3.6V, 55ns acc	R1LP0408CSB-5SC#BO	SMD 883-0231	27.28	22.75	19.44	– –	– –
5128	ISSI	36	SOJ	4M (512K × 8) High-Speed CMOS SRAM - 10ns Access	IS61LV5128AL-10KLI	SMD 107-7675	24.09	19.27	16.05	13.77	– –
5128	ISSI	44	TSOP	4M (512K × 8) High-Speed CMOS SRAM - 10ns Access	IS61LV5128AL-10TLI	SMD 107-7676	23.66	18.94	15.82	13.54	– –
7C1041	CYP	44	TSOP	4Mb (256K × 16) CMOS SRAM, 20ns acc	CY7C1041B-20ZXI	SMD 891-1495	19.76	15.14	12.69	– –	– –
7C1049	CYP	44	TSOP	4Mb (512K × 8) CMOS SRAM, 10ns acc	CY7C1049CV33-10ZXC	SMD 891-1509	18.59	14.26	11.95	– –	– –
7C1049	CYP	44	TSOP	4Mb (512K × 8) CMOS SRAM, 10ns acc	CY7C1049CV33-10ZXI	SMD 891-1517	21.42	16.44	13.76	– –	– –
7C4096	ALL	36	SOJ	4Mb (512K × 8) CMOS SRAM, 20ns acc., low power	AS7C4096-20JC	SMD 300-5793‡	73.71	64.95	62.01	51.00	– –
7C34096	ALL	36	SOJ	4Mb (512K × 8) CMOS SRAM, 3.3V, 12ns acc	AS7C34096-12JC	SMD 385-1114‡	39.66	30.03	24.99	– –	– –
62LV4006	BSI	32	DIL	4Mb (512K × 8) SRAM 2.4 to 5.5V 55ns - Access	BS62LV4006PCP55	869-8171	33.14	25.10	23.83	21.58	– –
62LV4006	BSI	32	SOP	4Mb (512K × 8) SRAM 2.4 to 5.5V 55ns - Access	BS62LV4006SCP55	SMD 869-8180	33.20	25.16	23.89	21.68	– –
7C4098	ALL	44	SOJ	4Mb (256K × 16) CMOS SRAM, 15ns acc., low power	AS7C4098-15JC	SMD 300-5770‡	73.71	64.95	62.01	51.00	– –
7C4098	ALL	44	TSOP	4Mb (256K × 16) CMOS SRAM, 15ns acc., low power	AS7C4098-15TC	SMD 300-5781‡	72.31	63.44	59.79	48.75	– –
62148	CYP	32	SOIC	4Mb (512K × 8) CMOS SRAM, 70ns acc., low power	CY62148L-70SC	SMD 301-1732	42.69	35.85	30.30	– –	– –
62148	CYP	32	SOIC	4Mb (512K × 8) CMOS SRAM, 70ns acc	CY62148BLL-70SXI	SMD 891-1410	21.65	16.60	13.90	– –	– –
25616	ISSI	44	TSOP	4M (256K × 16) High-Speed Asynchronous CMOS SRAM - 10ns Access	IS61LV25616AL-10TL	SMD 107-7674	23.50	18.81	15.66	13.41	– –
616LV4017	BSI	44	TSOP	4Mb (256K × 16) SRAM, 2.4 to 5.5V, 55ns acc	BS616LV4017ECP55	SMD 869-8210	33.30	25.26	24.05	21.68	– –
8Mb											
51216	ISSI	44	TSOP	8M (512K × 16) High-Speed Asynchronous CMOS SRAM - 10ns Access	IS61LV51216-10TLI	SMD 107-7677	63.99	53.35	45.70	45.57	– –
8017	BSI	44	TSOP	8Mb (512K × 16) CMOS SRAM, 2.4 to 5.5V, 55ns acc	BS616LV8017EC-55	SMD 508-9669	64.94	48.99	42.84	– –	– –
62LV8001	BSI	44	TSOP	8Mb (1Mb × 8) CMOS SRAM, 2.4 to 5.5V, 55ns acc	BS62LV8001EC-55	SMD 508-9657	64.94	48.99	42.84	– –	– –
62LV8001	BSI	44	TSOP	8Mb (1Mb × 8) SRAM, 2.4 to 5.5V, 55ns acc	BS62LV8001ECP55	SMD 869-8201	61.91	50.55	44.53	41.99	– –
616LV8017	BSI	44	TSOP	8Mb (512K × 16) SRAM, 2.4 to 5.5V, 55ns acc	BS616LV8017ECP55	SMD 869-8228	61.58	50.39	44.37	41.99	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Dual Port RAM

210604

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
8K									
7C131	CYP	52	PLCC	8K (1K x 8) CMOS Dual-Port SRAM, 55ns acc.	CY7C131-55JC	SMD 301-1239	20.52	15.19	14.10
7C131	CYP	52	PLCC	8K (1K x 8) CMOS Dual-Port SRAM, 55ns acc.	CY7C131-55JXC	SMD 121-7545●	20.52	15.19	14.10
7130	IDT	52	PLCC	8K (1K x 8) CMOS Dual-Port SRAM, 20ns acc, Low Power	IDT7130LA20JG	SMD 108-1516●	29.10	24.61	22.79
7130	IDT	52	PLCC	8K (1K x 8) CMOS Dual-Port SRAM, 20ns acc.	IDT7130SA20J	SMD 466-0602▲‡	29.07	24.22	23.67
7130	IDT	48	DIL	8K (1K x 8) CMOS Dual-Port SRAM, 55ns acc	IDT7130SA55P	640-025	26.87	18.44	13.41
16K									
7132	IDT	52	PLCC	16K (2K x 8) CMOS Dual-Port SRAM, 20ns acc, Low Power	IDT7132LA20JG	SMD 108-1518●	37.86	32.06	29.67
32K									
7133	IDT	68	PLCC	32K (2K x 16) CMOS Dual-Port SRAM, 35ns acc.	IDT7133SA35J	SMD 640-086	37.47	32.21	– –
7133	IDT	68	PLCC	32K (2K x 16) CMOS Dual-Port SRAM, 35ns acc.	IDT7133SA35JG	SMD 121-8009●	37.47	32.21	– –
7134	IDT	52	PLCC	32K (4K x 8) CMOS Dual-Port SRAM, 20ns acc.	IDT7134SA20J	SMD 466-0663▲‡	42.32	35.22	30.18
7134	IDT	52	PLCC	32K (4K x 8) CMOS Dual-Port SRAM, 35ns acc.	IDT7134SA35J	SMD 640-062	59.54	42.95	36.90
7134	IDT	52	PLCC	32K (4K x 8) CMOS Dual-Port SRAM, 35ns acc.	IDT7134SA35JG	SMD 121-8008●	59.54	42.95	36.90
128K									
7006	IDT	68	PLCC	128K (16K x 8) CMOS Dual-Port SRAM, 20ns acc.	IDT7006S20J	SMD 119-465	80.65	69.48	58.83
7006	IDT	68	PLCC	128K (16K x 8) CMOS Dual-Port SRAM, 20ns acc.	IDT7006S20JG	SMD 121-7998●	80.65	69.48	58.83
512K									
7008	IDT	84	PLCC	512K (64K x 8) CMOS Dual-Port SRAM, 20ns acc.	IDT7008S20J	SMD 466-0547▲	125.71	106.41	98.49

Static RAM Support ICs

MAXIM DALLAS SEMICONDUCTOR

210861

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
1210	8	DIL	Non-Volatile Controller, 1 RAM	DS1210+	118-7975●	9.51	7.47	5.99
1210	16	SOIC	Non-Volatile Controller, 1 RAM	DS1210S+	SMD 118-8034●	9.81	7.71	6.18
1211	20	DIL	Non-Volatile Controller, 8 RAMs	DS1211	392-730▲	63.59	50.82	40.68
1213B	28	DIL Socket	Smart Socket - accepts 2K 8 or 8K 8 RAMs	DS1213B	485-342▲	41.44	31.68	25.36
1213C	28	DIL Socket	Smart Socket - accepts 8K 8 or 32K 8 RAMs	DS1213C	392-753▲	41.44	31.68	25.36
1213D	32	DIL Socket	Smart Socket - accepts 8K 8, 32K 8, 128K 8 or 512K 8 RAMs	DS1213D	485-275▲	48.31	36.93	29.56
1216B	28	DIL Socket	Smart Watch - accepts 2K 8 or 8K 8 RAMs	DS1216B	485-354▲	66.75	53.35	42.71
1216C	28	DIL Socket	Smart Watch - accepts 8K 8 or 32K 8 RAMs	DS1216C	392-765▲	66.75	53.35	42.71
1216C	28	DIL Socket	Smart Watch - accepts 8K 8 or 32K 8 RAMs	DS1216C+	122-4206●	57.29	47.62	36.16
1216D	32	DIL Socket	Smart Watch - accepts 8K 8, 32K 8, 128K 8 or 512K 8 RAMs	DS1216D	485-287▲	73.19	57.40	46.83
1236	16	DIL	Micro Manager Chip.	DS1236-10	391-396▲	19.82	15.56	12.32

First-In, First-Out (FIFO)

FIFOs provide temporary storage of data in sequence so that the first word to the input port will be the first at the output port. The ports work independently and the data can be read and written at different rates.
FIFOs have memory locations which inhibit further data input if full and can only send stored data out.
The time to complete an operation is called the Access time which can determine the system speed in which the device is operating.

210859

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
256 x 9									
7200	IDT	28	DIL	256 x 9 CMOS ASYNCH FIFO, 12ns acc.	IDT7200L12TP	466-0687▲	19.46	12.95	11.13
512 x 9									
7201	IDT	28	DIL	512 x 9 CMOS ASYNC FIFO, 12ns acc., Low Power.	IDT7201LA12PDG	108-1520●	17.84	11.88	10.19
7201	IDT	28	SOIC	512 x 9 CMOS ASYNC FIFO, 12ns acc., Low Power.	IDT7201LA12SO	SMD 466-0705▲‡	21.06	14.06	12.04
7201	IDT	28	SOIC	512 x 9 CMOS ASYNC FIFO, 12ns acc., Low Power.	IDT7201LA12SOG	SMD 108-1521●	21.06	14.06	12.04
7201	IDT	32	PLCC	512 x 9 CMOS FIFO, 35ns acc.	IDT7201LA35J	SMD 640-037	11.93	8.07	7.71
7201	IDT	32	PLCC	512 x 9 CMOS FIFO, 35ns acc.	IDT7201LA35JG	SMD 121-8005●	11.93	8.07	7.71
1K x 9									
7202	IDT	28	DIL	1K x 9 CMOS ASYNC FIFO, 12ns acc., Low Power.	IDT7202LA12P	466-0717▲‡	19.46	12.95	11.13
7202	IDT	28	DIL	1K x 9 CMOS ASYNC FIFO, 12ns acc., Low Power.	IDT7202LA12PDG	108-1522●	19.46	12.95	11.13
7202	IDT	28	SOIC	1K x 9 CMOS ASYNC FIFO, 12ns acc., Low Power.	IDT7202LA12SO	SMD 466-0729▲	22.69	15.14	12.97
7202	IDT	32	PLCC	1K x 9 CMOS FIFO, 35ns acc.	IDT7202LA35J	SMD 640-049	11.99	8.75	8.57
7202	IDT	32	PLCC	1K x 9 CMOS FIFO, 35ns acc.	IDT7202LA35JG	SMD 121-8006●	11.99	8.75	8.57
72221	IDT	32	TQFP	1K x 9 CMOS SYNC FIFO, 15ns acc.	IDT72221L15PF	SMD 119-416	33.48	26.62	23.85
72221	IDT	32	TQFP	1K x 9 CMOS SYNC FIFO, 15ns acc.	IDT72221L15PFG	SMD 121-7995●	33.48	26.62	23.85
2K x 9									
7C429	CYP	28	PLCC	2K x 9 CMOS FIFO, 20ns acc.	CY7C429-20JC	SMD 301-1380	33.96	24.48	20.97
7C429	CYP	28	PLCC	2K x 9 CMOS FIFO, 20ns acc.	CY7C429-20JXC	SMD 121-7547●	33.96	24.48	20.97
7203	IDT	32	PLCC	2K x 9 CMOS ASYNC FIFO, 12ns acc.	IDT7203L12JG	SMD 108-1523●	27.57	18.36	15.76
7203	IDT	28	DIL	2K x 9 CMOS ASYNC FIFO, 12ns acc.	IDT7203L12P	466-0742▲‡	27.57	18.36	15.76
72231	IDT	32	TQFP	2K x 9 CMOS SYNC FIFO, 15ns acc.	IDT72231L15PF	SMD 119-428	34.34	31.32	27.39
72231	IDT	32	TQFP	2K x 9 CMOS SYNC FIFO, 15ns acc.	IDT72231L15PFG	SMD 121-7996●	34.34	31.32	27.39
4K x 9									
7C433	CYP	28	PLCC	4K x 9 CMOS FIFO, 20ns acc.	CY7C433-20JC	SMD 301-1410	34.78	28.93	25.71
7C433	CYP	28	PLCC	4K x 9 CMOS FIFO, 20ns acc.	CY7C433-20JXC	SMD 121-7548●	34.78	28.93	25.71
7204	IDT	28	DIL	4K x 9 CMOS ASYNC FIFO, 12ns acc.	IDT7204L12P	466-0754▲‡	32.42	21.61	18.52
7204	IDT	28	DIL	4K x 9 CMOS ASYNC FIFO, 12ns acc.	IDT7204L12PDG	108-1526●	32.42	21.61	18.52
7204	IDT	28	SOIC	4K x 9 CMOS ASYNC FIFO, 12ns acc.	IDT7204L12SOG	SMD 108-1527●	32.42	21.61	18.52
7204	IDT	32	PLCC	4K x 9 CMOS FIFO, 35ns acc.	IDT7204L35J	SMD 640-050	35.48	20.04	15.57
7204	IDT	32	PLCC	4K x 9 CMOS FIFO, 35ns acc.	IDT7204L35JG	SMD 121-8007●	35.48	20.04	15.57
72241	IDT	32	PLCC	4K x 9 CMOS SYNC FIFO, 10ns acc.	IDT72241L10J	SMD 466-0821▲	47.33	40.07	37.06
8K x 9									
7205	IDT	32	PLCC	4K x 9 CMOS SYNC FIFO, 20ns acc.	IDT7205L20J	SMD 119-441	44.44	34.94	32.07
7205	IDT	32	PLCC	4K x 9 CMOS SYNC FIFO, 20ns acc.	IDT7205L20JG	SMD 121-7997●	44.44	34.94	32.07
72251	IDT	32	PLCC	8K x 9 CMOS SYNC FIFO, 10ns acc.	IDT72251L10JG	SMD 108-1530●	74.57	49.70	42.61
16K x 9									
7206	IDT	32	PLCC	16K x 9 CMOS ASYNC FIFO, 15ns acc.	IDT7206L15JG	SMD 108-1528●	74.57	49.70	42.61
7206	IDT	28	DIL	16K x 9 CMOS ASYNC FIFO, 15ns acc.	IDT7206L15PDG	108-1529●	74.57	49.70	42.61

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available
RoHS

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Farnell Page 1412 Date: 21-08-06 time: 23:50

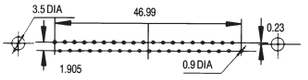
Memory Cards

Enclosed Contact Cards — FUJISOKU

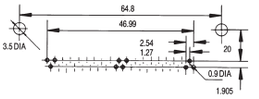


A range of static memory cards available in MIX CMOS technology. All cards are backed up by a lithium battery making them a removable non-volatile storage medium.

Accessories available are a plastic case, end cap, dummy card and a card guide complete with eject mechanism and connector. There is also a decorative front piece or escutcheon with an optional spacer.



Vertical mounting PCB drilling pattern



Horizontal mounting PCB drilling pattern

210646

	Mftrs. List No.	Order Code	Price Each 1+	5+	+	+
128 Kbytes MIX CMOS card	BS128G1C-13	177-466	226.44	204.74	– –	– –
128 Kbytes MIX CMOS card	BS128G1-CZ-13	121-3163	226.44	204.74	– –	– –
256 Kbytes MIX CMOS card	BS256G1C-13	177-467	330.93	290.72	– –	– –
256 Kbytes MIX CMOS card	BS256G1-CZ-13	121-3164	330.93	290.72	– –	– –

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The very latest NEW products

Dynamic RAMs

Micron® SDRAM



Micron has four generations of Single Data Rate (SDR) Synchronous DRAMs (SDRAMs) in full production. The SDRAM family consists of 64 Megabit (64Mb), 128Mb, 256Mb, and 512Mb devices. These devices are configured as quad-bank devices.Micron® SDRAM includes 64ms refresh and Self Refresh and operate with a fully synchronous interface at 3.3V.

339721

	Pins/Package	Description	Vcc = 3.3V ±	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
48LC16	54/TSOP	256M (4M x 16 x 4 banks) Synchronous DRAM, CL = 3, 5.4ns acc	0.3V	MT48LC16M16A2TG-75	SMD 508-8707	26.53	19.89	19.76
48LC16	54/TSOP	256M (4M x 16 x 4 banks) Synchronous DRAM, CL = 3, 5.4ns acc	0.3V	MT48LC16M16A2P-75:D	SMD 121-6280	23.62	17.71	17.59
48LC16	54/TSOP	256M (4 M x 16 x 4 banks) Synchronous DRAM, CL = 2, 5.4ns acc	0.3V	MT48LC16M16A2P-7E:D	SMD 121-6281	23.62	17.71	17.59
48LC2	86/TSOP	64MB (512K x 32 x 4 banks) Synchronous DRAM, CL = 3, 5.5ns acc	0.3V	MT48LC2M32B2P-6:G	SMD 121-6282	9.52	7.14	6.13
48LC32	54/TSOP	256M (8M x 8 x 4 banks) Synchronous DRAM, CL = 2, 5.4ns acc	0.3V	MT48LC32M8A2TG-7E	SMD 508-8768	26.53	19.89	19.76
48LC32	54/TSOP	256M (8M x 8 x 4 banks) Synchronous DRAM, CL = 2, 5.4ns acc	0.3V	MT48LC32M8A2P-7E:D	SMD 121-6283	25.23	22.41	– –
48LC8	54/TSOP	64MB (1M x 16 x 4 banks) Synchronous DRAM, CL = 2, 5.4ns acc	0.3V	MT48LC4M16A2TG-7E	SMD 508-8781	13.25	10.51	– –
48LC8	54/TSOP	64MB (1M x 16 x 4 banks) Synchronous DRAM, CL = 2, 5.4ns acc	0.3V	MT48LC4M16A2P-7E:G:G	SMD 121-6285	8.97	6.74	5.78
48LC4	86/TSOP	128MB (1M x 32 x 4 banks) Synchronous DRAM, CL = 3, 5.5ns acc	0.3V	MT48LC4M32B2TG-6	SMD 508-8793	26.53	19.89	17.06
48LC4	86/TSOP	128MB (1M x 32 x 4 banks) Synchronous DRAM, CL = 3, 5.5ns acc	0.3V	MT48LC4M32B2P-6:G	SMD 121-6286	26.59	20.34	17.45
48LC8	54/TSOP	128M (2M x 16 x 4 banks) Synchronous DRAM, CL = 3, 5.4ns acc	0.3V	MT48LC8M16A2P-75:G	SMD 121-6287	18.94	14.19	13.79
48LC8	54/TSOP	128M (2M x 16 x 4 banks) Synchronous DRAM, CL = 3, 5.4ns acc	0.3V	MT48LC8M16A2TG-75	SMD 508-8800	21.71	16.27	15.81
48LC8	54/TSOP	128M (2M x 16 x 4 banks) Synchronous DRAM, CL = 2, 5.4ns acc	0.3V	MT48LC8M16A2TG-7E	SMD 508-8811	21.71	16.27	15.81
48LC8	54/TSOP	128M (2M x 16 x 4 banks) Synchronous DRAM, CL = 2, 5.4ns acc	0.3V	MT48LC8M16A2P-7E:G	SMD 121-6288	18.94	14.19	13.79

EPROMs, EEPROMs & Flash Memory

210896

EPROMs and PROMs	Mftr.	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
64K												
27C64	ST	28	DIL	64K (8K × 8) EPROM - 100ns Access, 12.5V VPP	10%	M27C64A-10F1.	366-3358	10.00	8.59	7.48	6.67	– –
27C64	ST	28	DIL	64K (8K × 8) EPROM - 100ns Access, 12.5V VPP	10%	M27C64A-10F1	109-4265	10.11	8.69	7.56	6.74	– –
27C64	ST	28	DIL	64K (8K × 8) CMOS EPROM - 150ns Access, 12.5V VPP	10%	M27C64A-15F1	594-489	9.41	8.09	7.04	6.27	– –
27C64	ST	28	DIL	64K (8K × 8) CMOS EPROM - 200ns Access, 12.5V VPP	10%	M27C64A-20F1	270-416	9.41	8.09	7.04	6.27	– –
256K												
256	ATM	32	PLCC	256K (32K × 8) CMOS OTP EPROM - 70ns Access	10%	AT27C256R-70JU	SMD 109-5779	3.26	2.67	2.12	2.09	– –
256	ATM	28	DIL	256K (32K × 8) CMOS OTP EPROM - 70ns Access	10%	AT27C256R-70PU	109-5781	3.26	2.67	2.12	2.09	– –
27C256	ST	28	DIL	256K (32K × 8) CMOS EPROM - 100ns Access, 12.75V VPP	10%	M27C256B-10F1	302-5147	6.74	5.79	5.04	4.50	– –
27C256	ST	28	DIL	256K (32K × 8) CMOS EPROM - 150ns Access, 12.75V VPP	10%	M27C256B-15F1	112-5431	6.88	5.91	5.15	4.59	– –
27C256	ST	28	DIL	256K (32K × 8) CMOS EPROM - 70ns Access, 12.75V VPP	5%	M27C256B-70XF1	597-454	7.32	6.29	5.48	4.88	– –
512K												
27C512	ST	28	DIL	512k (64k × 8) CMOS EPROM - 45ns Access,12.75V VPP	5%	M27C512-45XF1	366-3334	9.88	8.48	7.39	6.58	– –
27C512	ST	32	PLCC	512k (64K × 8) CMOS OTP PROM, 90ns Access, 12.75 V VPP.	10%	M27C512-90C1	SMD 121-8315	8.10	6.58	5.32	– –	– –
27C512	ST	28	DIL	512k (64k × 8) CMOS EPROM 90ns Access, 12.75V VPP.	10%	M27C512-90F6	109-4264	7.80	6.71	5.84	5.20	– –
27C512	ST	28	DIL	512K (64K × 8) CMOS EPROM - 150ns Access, 12.75V VPP	10%	M27C512-15F1	394-713	7.00	6.01	5.23	4.66	– –
27C512	ST	28	DIL	512K (64K × 8) CMOS EPROM - 150ns Access, 12.75V VPP (IND TEMP).	10%	M27C512-15F6.	705-251	7.00	6.01	5.23	4.66	– –
27C512	ST	28	DIL	512K (64K × 8) CMOS EPROM - 150ns Access, 12.75V VPP (IND TEMP).	10%	M27C512-15F6	113-2010	7.00	6.01	5.23	4.66	– –
1Mb												
27C1001	ST	32	DIL	1Mb (128K × 8) CMOS EPROM - 120ns Access, 12.75V VPP.	10%	M27C1001-12F1.	597-296	10.01	8.60	7.49	6.67	– –
27C1001	ST	32	DIL	1Mb (128K × 8) CMOS EPROM - 120ns Access, 12.75V VPP.	10%	M27C1001-12F1	113-2006	10.01	8.60	7.49	6.67	– –
27C1001	ST	32	DIL	1Mb (128K × 8) CMOS EPROM - 150ns Access, 12.75V VPP.	10%	M27C1001-15F1	395-110	9.00	7.73	6.73	6.00	– –
27C1001	ST	32	DIL	1Mb (128K × 8) CMOS OTP PROM - 45ns Access, 12.75V VPP	10%	M27C1001-45F1.	688-617	12.15	10.43	9.08	8.09	– –
27C1001	ST	32	DIL	1Mb (128K × 8) CMOS OTP PROM - 45ns Access, 12.75V VPP	10%	M27C1001-45F1	113-2008	12.29	10.56	9.19	8.19	– –
27W101	ST	32	PLCC	1Mb (128K × 8) CMOS OTP PROM - 80ns Access, Low Voltage		M27W101-80K6.	SMD 366-3152	11.01	9.78	9.23	– –	– –
27W101	ST	32	PLCC	1Mb (128K × 8) CMOS OTP PROM - 80ns Access, Low Voltage		M27W101-80K6	SMD 109-4271	11.32	10.06	9.49	– –	– –
2Mb												
27C2001	ST	32	DIL	2Mb (256K × 8) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C2001-10B1.	333-8101	10.95	9.73	9.18	– –	– –
27C2001	ST	32	DIL	2Mb (256K × 8) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C2001-10B1E	115-9687	10.95	9.73	9.18	– –	– –
020	ATM	32	PLCC	2M (256K × 8) CMOS OTP EPROM - 90ns Access	10%	AT27C020-90JU	SMD 109-5776	6.05	4.92	3.87	3.86	– –
020	ATM	32	DIL	2M (256K × 8) CMOS OTP EPROM - 90ns Access	10%	AT27C020-90PU	109-5777	6.35	5.21	4.07	4.05	– –
27C2001	ST	32	DIL	2Mb (256K × 8) CMOS EPROM - 100ns Access, 12.75V VPP.	10%	M27C2001-10F1	702-523	19.23	15.82	11.63	8.69	– –
27C2001	ST	32	DIL	2Mb (256K × 8) CMOS EPROM - 150ns Access, 12.75V VPP.	10%	M27C2001-15F1	460-059	13.21	11.35	9.88	8.81	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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EPROMs and PROMs	Mftr.	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
4Mb												
27C4001	ST	32	PLCC	4Mb (512K × 8) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C4001-10C1.	SMD 302-5196▲	16.36	14.53	13.59	– –	– –
27C4001	ST	32	PLCC	4Mb (512K × 8) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C4001-10C1	SMD 109-4260●	16.82	14.94	13.97	– –	– –
27C4001	ST	32	DIL	4Mb (512K × 8) CMOS EPROM - 100ns Access, 12.75V VPP	10%	M27C4001-10F1	702-535▲	18.48	15.87	13.69	12.31	– –
27C4001	ST	32	DIL	4Mb (512K × 8) CMOS OTP PROM - 120ns Access, 12.75V VPP	10%	M27C4001-12B1..	333-8137▲	18.23	16.19	15.14	– –	– –
27C4001	ST	32	DIL	4Mb (512K × 8) CMOS OTP PROM - 120ns Access, 12.75V VPP	10%	M27C4001-12B1.	113-1998●	18.61	16.53	15.46	– –	– –
27C4001	ST	32	PLCC	4Mb (512K × 8) CMOS OTP PROM - 120ns Access, 12.75V VPP	10%	M27C4001-12C1.	SMD 597-478▲	16.36	14.53	13.59	– –	– –
27C4001	ST	32	PLCC	4Mb (512K × 8) CMOS OTP PROM - 120ns Access, 12.75V VPP	10%	M27C4001-12C1	SMD 109-4261●	24.08	19.58	15.68	– –	– –
27C4001	ST	32	DIL	4Mb (512K × 8) CMOS EPROM - 120ns Access, 12.75V VPP	10%	M27C4001-12F1	445-253▲	18.48	15.87	13.69	12.31	– –
27C4001	ST	32	DIL	4Mb (512K × 8) CMOS EPROM - 150ns Access, 12.75V VPP	10%	M27C4001-15F1.	445-370▲	18.48	15.87	13.69	12.31	– –
27C4001	ST	32	DIL	4Mb (512K × 8) CMOS EPROM - 150ns Access, 12.75V VPP	10%	M27C4001-15F1	113-2004●	18.48	15.87	13.69	12.31	– –
27C4002	ST	44	PLCC	4Mb (256K × 16) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C4002-10C1.	SMD 302-5202▲	19.34	17.18	16.07	– –	– –
27C4002	ST	44	PLCC	4Mb (256K × 16) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C4002-10C1	SMD 109-4262●	19.88	17.66	16.52	– –	– –
27C4002	ST	40	DIL	4Mb (256K × 16) CMOS EPROM - 100ns Access, 12.75V VPP	10%	M27C4002-10F1	688-599▲	24.23	20.81	17.95	16.15	– –
27C4002	ST	44	PLCC	4Mb (256K × 16) CMOS OTP PROM - 120ns Access, 12.75V VPP	10%	M27C4002-12C1.	SMD 302-5214▲	19.34	17.18	16.07	– –	– –
27C4002	ST	44	PLCC	4Mb (256K × 16) CMOS OTP PROM - 120ns Access, 12.75V VPP	10%	M27C4002-12C1	SMD 109-4263●	28.46	22.51	18.54	– –	– –
27C4002	ST	40	DIL	4Mb (256K × 16) CMOS EPROM - 120ns Access, 12.75V VPP	10%	M27C4002-12F1.	702-729▲	24.23	20.81	17.95	16.15	– –
27C4002	ST	40	DIL	4Mb (256K × 16) CMOS EPROM - 120ns Access, 12.75V VPP	10%	M27C4002-12F1	113-2009●	24.79	21.29	18.37	16.52	– –
27C4002	ST	40	DIL	4Mb (256K × 16) CMOS EPROM - 80ns Access, 12.75V VPP	5%	M27C4002-80XF1	597-491▲	25.47	21.88	18.87	16.98	– –
27C4002	ST	40	DIL	4Mb (256K × 16) CMOS EPROM - 45ns Access	5%	M27C4002-45XF1.	366-3322▲	36.06	30.14	26.22	24.04	– –
27C4002	ST	40	DIL	4Mb (256K × 16) CMOS EPROM - 45ns Access	5%	M27C4002-45XF1	113-2002●	55.61	44.49	33.00	25.14	– –
8Mb												
27C801	ST	32	DIL	8Mb (1M × 8) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C801-100B1.	333-8174▲	31.45	27.17	25.64	– –	– –
27C801	ST	32	DIL	8Mb (1M × 8) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C801-100B1	109-4266●	32.33	27.93	26.35	– –	– –
27C801	ST	32	DIL	8Mb (1M × 8) CMOS EPROM - 100ns Access, 12.75V VPP	10%	M27C801-100F1.	688-575▲	36.31	30.34	26.40	24.20	– –
27C801	ST	32	DIL	8Mb (1M × 8) CMOS EPROM - 100ns Access, 12.75V VPP	10%	M27C801-100F1	113-2007●	36.39	30.41	26.46	24.26	– –
27C801	ST	32	PLCC	8Mb (1M × 8) CMOS OTP PROM - 100ns Access, 12.75V VPP	10%	M27C801-100K1.	SMD 333-8186▲	28.27	24.42	23.04	– –	– –
27C801	ST	32	DIL	8Mb (1M × 8) CMOS EPROM - 120ns Access, 12.75V VPP	10%	M27C801-120F1	688-587▲	36.31	30.34	26.40	24.20	– –

FRAM

RAMTRON

Ferroelectric RAM (FRAM) is a RAM based device that uses the ferroelectric effect for a storage mechanism. This is a completely different mechanism than the one used by other non-volatile memories, which use floating gate technology. The ferroelectric effect is the ability of a material to store an electric polarisation in the absence of an applied electric field. The advantage of using this technology is that devices can be produced as pin-for-pin replacements for current memory devices but with the following new features:

- Number of write cycles increased from 100,000 to 10,000,000,000 (10 billion)
- Write speed is the same as read speed (NoDelay™)
- Higher noise immunity as the data does not have to remain stable for the usual 10 milli-seconds write period.
- New PCB design is not necessary as the new parts are 'drop in' replacements.
- Can be used as RAM with the added advantage of being non-volatile (NV-RAM), battery back-up not being required.

227405

	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Parallel									
4K-bit	8	SOIC	64K (8192 x 8) Serial FRAM - 400KHz bus speed	10%	FM24C04A-G	SMD 121-0785●	2.67	2.44	2.21
16K-bit	8	SOIC	64K (8192 x 8) Serial FRAM - 400KHz bus speed	10%	FM24C16A-G	SMD 121-0787●	3.91	3.55	3.26
16K-bit	8	SOIC	64K (8192 x 8) 16K (2048 x 8) Serial FRAM memory, 1MHz bus speed, I²C		FM24CL16-G	SMD 121-0794●	4.69	4.30	3.91
16K-bit	28	DIL	64K (8192 x 8) Parallel FRAM	10%	FM1608-120-PG	121-0791●	11.69	10.71	9.76
16K-bit	8	SOIC	64K (8192 x 8) Serial FRAM SPI - 2.1MHz bus speed	10%	FM25C160-G	SMD 121-0789●	3.91	3.55	3.26
64 K-bit	28	SOIC	64K (8192 x 8) Parallel FRAM	10%	FM1608-120-SG	SMD 120-2307●	10.73	9.66	8.79
64 K-bit	8	SOIC	64K (8192 x 8) Serial FRAM - 1MHz bus speed	10%	FM24C64-G	SMD 121-0788●	6.31	5.86	5.27
64 K-bit	8	SOIC	64K (8192 x 8) Serial FRAM SPI - 5MHz bus speed	10%	FM25640-G	SMD 121-0790●	6.31	5.86	5.27
64 K-bit	8	SOIC	64K (8192 x 8) 64K (8192 x 8) Serial FRAM memory, 1MHz bus speed, I²C		FM24CL64-G	SMD 121-0795●	7.10	6.54	5.96
64 K-bit	8	SOIC	64K (8192 x 8) 64K (8192 x 8) Serial FRAM memory, high-speed, SPI		FM25CL64-G	SMD 121-0796●	7.10	6.54	5.96
256 K-bit	28	DIL	64K (8192 x 8) Parallel FRAM	10%	FM1808-70-PG	121-0792●	19.99	18.33	16.67
256 K-bit	28	SOIC	64K (8192 x 8) Parallel FRAM	10%	FM1808-70-SG	SMD 121-0793●	19.99	18.33	16.67
256 K-bit	28	SOIC	64K (8192 x 8) 256K (32768 x 8) Parallel FRAM memory, 70ns acc		FM18L08-70-SG	SMD 121-0797●	22.39	20.57	18.72
256 K-bit	8	SOIC	64K (8192 x 8) 256K (32768 x 8) Serial FRAM memory		FM24C256-G	SMD 121-0799●	21.06	19.33	17.61
256 K-bit	32	TSOP	64K (8192 x 8) 256K (32768 x 8) parallel FRAM memory with RTC		FM3808-SG	SMD 121-0800●	32.32	29.65	26.95

210473

EEPROMs	Mftr.	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
128-Bit												
24LC00	MCHIP	8	DIL	128-bit (16 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC00/P	975-7856●	0.78	0.65	0.56	– –	– –
24LC00P	MCHIP	8	SOIC	128-bit (16 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC00/SN..	SMD 300-2196	0.71	0.59	0.50	– –	– –
24LC16	MCHIP	8	DIL	16K (2K × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC16B/P	120-0026●	1.22	1.02	0.85	– –	– –
24LC00	MCHIP	8	SOIC	128-Bit I2C Bus Serial EEPROM		24LC00/SN	SMD 113-7303●	0.71	0.59	0.50	– –	– –
24LC00	MCHIP	5	SOT-23	128-bit (16 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)		24LC00T-I/OT	SMD 975-7864●	0.71	0.59	0.50	– –	– –
256-Bit												
2430	MAX	3	TO-92	256-bit (32 × 8) 1-Wire EEPROM	2.8V	DS2430A+	972-4834●	7.99	6.11	4.14	– –	– –
1K												
01	ATM	8	DIL	1K (128 × 8) 2-Wire Serial EEPROM	5.5V	AT24C01A-10PU-2.7	109-5748●	0.65	0.55	0.42	0.42	– –
01	ATM	8	SOIC	1K (128 × 8) 2-Wire Serial EEPROM	5.5V	AT24C01A-10SU-2.7	SMD 109-5749●	0.65	0.55	0.42	0.42	– –
24C01	ST	8	DIL	1K (128 × 8) Serial CMOS EEPROM, (Low Voltage)	2.5V	M24C01-WBN6	366-2901▲	1.97	1.71	1.58	1.08	– –
24C01	ST	8	DIL	1K (128 × 8) Serial CMOS EEPROM, (Low Voltage)	2.5V	M24C01-WBN6P	988-2782●	0.77	0.66	0.62	0.42	– –
24C01	ST	8	SOIC	1K (128 × 8) Serial CMOS EEPROM (Low Voltage)	2.5V	M24C01-WMN6P	SMD 988-2790●	0.60	0.52	0.48	0.33	– –
24LC01	MCHIP	8	DIL	1K (128 × 8) Serial CMOS EEPROM - Low Voltage		24LC01B/P	120-0025●	0.87	0.72	0.61	– –	– –
24LC01	MCHIP	8	SOIC	1K (128 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC01B/SN	SMD 975-7872●	0.78	0.65	0.56	– –	– –
24LC01	MCHIP	8	SOIC	1K (128 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC01B-I/SN	SMD 447-4211●	0.92	– –	– –	– –	– –
24LC01	MCHIP	5	SOT-23	1K (128 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC01BT-I/OT	SMD 975-7880●	0.78	0.65	0.56	– –	– –
25010	CAT	8	SOIC	1K (128 × 8) SPI Serial CMOS EEPROM	6V	CAT25010VI	SMD 880-3498●	0.98	0.85	0.70	– –	– –
25010	CAT	8	TSSOP	1K (128 × 8) SPI Serial CMOS EEPROM	6V	CAT25010YI	SMD 880-3544●	0.98	0.85	0.65	– –	– –
46	ATM	8	DIL	1K (128 × 8 or 64 × 16) 3-Wire Serial EEPROM		AT93C46-10PU-2.7	109-5802●	0.65	0.55	0.42	0.42	– –
93C46	ST	8	SOIC	1K (128 × 8 or 64 × 16) Serial CMOS EEPROM (IND TEMP)	5V	M93C46-MN6P	SMD 112-5432●	1.72	1.48	1.37	0.94	– –
93C46	ST	8	DIL	1K (128 × 8 or 64 × 16) serial CMOS EEPROM (Low Voltage)	2.5V	M93C46-WBN6	366-2809▲	2.06	1.78	1.65	1.12	– –
93C46	ST	8	DIL	1K (128 × 8 or 64 × 16) serial CMOS EEPROM (Low Voltage)	2.5V	M93C46-WBN6P	988-2715●	0.80	0.69	0.64	0.43	– –
93C46	FCH	8	DIL	1K (64 × 16) Microwire Serial CMOS EEPROM	5V	FM93C46N	355-0138	1.88	1.41	1.09	0.82	– –
93C46	MCHIP	8	DIL	1K (64 × 16) Microwire Serial CMOS EEPROM	5V	93C46B/P	108-4337●	0.93	0.78	0.65	– –	– –
93C46	MCHIP	8	SOIC	1K (64 × 16) Microwire Serial CMOS EEPROM	5V	93C46B/SN	SMD 975-8178●	0.87	0.72	0.61	– –	– –
93C46	MCHIP	8	SOIC	1K (64 × 16) Microwire Serial CMOS EEPROM (IND TEMP)	5V	93C46B-I/SN	SMD 975-8186●	0.87	0.72	0.61	– –	– –
93C46	CAT	8	SOIC	1K (128 × 8 or 64 × 16) Microwire Serial EEPROM	6V	CAT93C46VI	SMD 880-3633●	0.85	0.72	0.60	– –	– –
93C46	CAT	8	TSSOP	1K (128 × 8 or 64 × 16) Microwire Serial EEPROM	6V	CAT93C46YI	SMD 880-3668●	0.85	0.72	0.60	– –	– –
93LC46	MCHIP	8	DIL	1K (128 × 8 or 64 × 16) Serial CMOS EEPROM - Low Voltage	2V	93LC46/P	121-2720●	1.30	1.07	0.91	– –	– –
93LC46	MCHIP	8	SOIC	1K (128 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	93LC46A/SN	SMD 975-8208●	0.87	0.72	0.61	– –	– –
93LC46	MCHIP	8	DIL	1K (64 × 16) Serial CMOS EEPROM - Low Voltage	5V	93LC46B/P	975-8216●	0.93	0.78	0.65	– –	– –
93LC46	MCHIP	8	SOIC	1K (64 × 16) Serial CMOS EEPROM - Low Voltage. (IND TEMP)	2.5V	93LC46B-I/SN	SMD 975-8232●	0.87	0.72	0.61	– –	– –
	MCHIP	8	SOIC		5.5V	93LC66C-I/SN	SMD 120-0437●	1.00	0.83	0.70	– –	– –

● Compliant ▲ Non-compliant + Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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EEPROMs	Mftr.	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
1K												
46	MCHIP	8	DIL	1K Microwire Compatible Serial EEPROM	5V	93LC46B-I/P	113-7344	0.93	0.78	0.65	– –	– –
93LC46	MCHIP	8	SOIC	1K (64 × 16) Serial CMOS EEPROM - Low Voltage	2V	93LC46B/SN	SMD 975-8224	0.87	0.72	0.61	– –	– –
93LC46	MCHIP	8	SOIC	1K (128 × 8 or 64 × 16) Serial CMOS EEPROM - Low Voltage	2V	93LC46/SN	SMD 975-8194	1.58	1.31	1.11	– –	– –
	MCHIP	8	DIL			93LC46C-I/P	119-6823	0.93	0.78	0.65	– –	– –
	MCHIP	8	SOIC		5.5V	93LC46C-I/SN	SMD 108-4341	0.87	0.72	0.61	– –	– –
93LC46	HT	8	SOIC	1K (64 × 16) Serial CMOS EEPROM - Low Voltage (IND TEMP)	5V	HT93LC46-8SOP-A.	SMD 115-903	2.61	1.80	1.41	1.30	– –
93LC46	HT	8	SOIC	1K (64 × 16) Serial CMOS EEPROM - Low Voltage (IND TEMP)	5V	HT93LC46-8SOP-A	SMD 120-7991	2.83	2.08	1.63	1.30	– –
93S46	ST	8	SOIC	1k (64 × 16) Serial CMOS EEPROM (Low Voltage)	2.5V	M93S46-WMN6P	SMD 988-2731	0.81	0.70	0.65	0.44	– –
95010	ST	8	SO-8	1Kbit Serial SPI Bus EEPROM With High Speed Clock	5V	M95010-WMN6P	SMD 109-9709	0.76	0.66	0.61	0.42	– –
2K												
02	ATM	8	DIL	2K (256 × 8) 2-Wire Serial EEPROM		AT24C02-10PU-2.7	109-5750	0.68	0.59	0.46	0.42	– –
02	ATM	8	DIL	2K (256 × 8) 2-Wire Serial EEPROM		AT24C02A-10PU-2.7	109-5751	0.68	0.59	0.46	0.42	– –
02	ATM	8	SOIC	2K (256 × 8) 2-Wire Serial EEPROM		AT24C02AN-10SU-2.7	SMD 109-5752	0.68	0.59	0.46	0.42	– –
02	ATM	8	SOIC	2K (256 × 8) 2-Wire Serial EEPROM		AT24C02N-10SU-2.7	SMD 109-5753	0.68	0.59	0.46	0.42	– –
24C02	ST	8	DIL	2k (256 × 8) Serial CMOS EEPROM (Low Voltage)	2.5V	M24C02-WBN6P	109-4256	2.17	1.88	1.74	1.18	– –
24C02	ST	8	SOIC	2k (256 × 8) Serial CMOS EEPROM (Low Voltage)	2.5V	M24C02-WMN6P	SMD 988-2804	0.62	0.53	0.49	0.34	– –
24C02	MCHIP	8	SOIC	2K (256 × 8) Serial CMOS EEPROM	5V	24C02C-I/SN	SMD 108-4339	1.00	0.83	0.70	– –	– –
24LC02	MCHIP	8	SOIC	2K (256 × 8) Serial CMOS EEPROM	%	24LC02B/SN	SMD 975-7902	0.93	0.78	0.65	– –	– –
24LC02	MCHIP	8	DIL	2K (256 × 8) Serial CMOS EEPROM - Low Voltage	3V	24LC02B/P	975-7899	1.00	0.83	0.70	– –	– –
24LC02	MCHIP	8	SOIC	2K (256 × 8) Serial CMOS EEPROM- Low Voltage (IND TEMP)	2.5V	24LC02B-I/SN	SMD 119-6818	0.93	0.78	0.65	– –	– –
24LC02	MCHIP	5	SOT-23	2K (256 × 8) I²C Serial EEPROM - (IND TEMP)	2.5V	24LC02BT-I/OT	SMD 975-7910	0.93	0.78	0.65	– –	– –
25020	CAT	8	TSSOP	2K (256 × 8) SPI Serial CMOS EEPROM	6V	CAT25020YI	SMD 880-3552	1.17	1.01	0.78	– –	– –
93C56	ST	8	SOIC	2K (128 × 16 or 256 × 8) Serial CMOS EEPROM (IND TEMP)	10%	M93C56-WMN6P	SMD 988-2448	0.75	0.65	0.60	0.41	– –
93C56	CAT	8	SOIC	2K (256 × 8 or 128 × 16) Microwire Serial EEPROM	6V	CAT93C56VI	SMD 880-3641	0.91	0.78	0.65	– –	– –
93C56	CAT	8	TSSOP	2K (256 × 8 or 128 × 16) Microwire Serial EEPROM	6V	CAT93C56YI	SMD 880-3676	0.91	0.78	0.65	– –	– –
93LC56	MCHIP	8	DIL	2K (256 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	93LC56A/P	121-2671	1.00	0.83	0.70	– –	– –
93LC56	MCHIP	8	SOIC	2K (256 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	93LC56A/SN.	SMD 300-1957	0.93	0.78	0.65	– –	– –
93LC56	MCHIP	8	SOIC	2K (256 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	93LC56A/SN	SMD 121-2672	0.93	0.78	0.65	– –	– –
93LC56	MCHIP	8	SOIC	2K (128 × 16) Serial CMOS EEPROM - Low Voltage. (IND TEMP)	2.5V	93LC56B-I/SN	SMD 975-8259	0.93	0.78	0.65	– –	– –
93LC56	MCHIP	8	DIL	2K (128 × 16) Serial CMOS EEPROM - Low Voltage	2.5V	93LC56B/P	108-4250	1.00	0.83	0.70	– –	– –
93LC56	MCHIP	8	SOIC	2K (128 × 16) Serial CMOS EEPROM - Low Voltage	2.5V	93LC56B/SN	SMD 975-8240	0.93	0.78	0.65	– –	– –
93LC56	MCHIP	8	SOIC	2K (256 × 8 or 128 × 16) Serial CMOS EEPROM - Low Voltage	2V	93LC56/SN.	SMD 793-670	1.78	1.48	1.26	– –	– –
93LC56	MCHIP	8	SOIC	2K (256 × 8 or 128 × 16) Serial CMOS EEPROM - Low Voltage	2V	93LC56/SN	SMD 120-0028	1.56	1.27	1.14	– –	– –
93LC56	HT	8	SOIC	2K (256 × 8 or 128 × 16) Serial CMOS EEPROM - Low Voltage (IND TEMP)	5V	HT93LC56-8SOP-A.	SMD 115-927	2.51	1.88	1.50	1.35	– –
93LC56	HT	8	SOIC	2K (256 × 8 or 128 × 16) Serial CMOS EEPROM - Low Voltage (IND TEMP)	5V	HT93LC56-8SOP-A	SMD 120-7992	3.16	2.41	1.82	1.17	– –
93LC56	HT	8	DIL	2K (256 × 8 or 128 × 16) Serial CMOS EEPROM - Low Voltage (IND TEMP)	5V	HT93LC56-8DIP-A	121-1510	1.73	1.37	1.14	0.98	– –
8582	PS	8	SOIC	2K (256 × 8) Serial CMOS EEPROM	-	PCF8582C-2T/03	NEW SMD 120-1341	1.99	1.63	1.63	– –	– –
8582	PS	8	DIL	2K (256 × 8) Serial CMOS EEPROM with I²C Interface	6V	PCF8582C-2P/03,112	890-6211	3.55	2.93	2.41	– –	– –
95020	ST	8	SOIC	2k (256 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M95020-WMN6P	SMD 121-8168	2.57	1.99	1.50	– –	– –
4K												
2433	MAX	3	TO-92	4K (256 × 16) 1-Wire EEPROM	2.8V- 6.0V	DS2433+	118-7949	12.14	9.29	6.30	– –	– –
2433	MAX	8	SOIC	4K (256 × 16) 1-Wire EEPROM	2.8V- 6.0V	DS2433S	SMD 344-1374 ▲‡	13.96	10.68	7.24	– –	– –
2433	MAX	8	SOIC	4K (256 × 16) 1-Wire EEPROM	2.8V- 6.0V	DS2433S+	SMD 972-4869	13.14	10.06	6.81	– –	– –
04	ATM	8	DIL	4K (512 × 8) 2-Wire Serial EEPROM		AT24C04A-10PU-2.7	109-5755	0.81	0.65	0.52	0.51	– –
04	ATM	8	SOIC	4K (512 × 8) 2-Wire Serial EEPROM		AT24C04AN-10SU-2.7	SMD 109-5756	0.81	0.65	0.52	0.51	– –
24C04	ST	8	DIL	4k (512 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V- 6.0V	M24C04-WBN6P	109-4258	2.58	2.23	2.07	1.41	– –
24C04	ST	8	SOIC	4k (512 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M24C04-WMN6P	SMD 988-2812	0.67	0.58	0.54	0.37	– –
24C04	FCH	8	DIL	4K (512 × 8) Serial CMOS EEPROM	3V	FM24C04UN		1.89	1.32	1.23	– –	– –
24LC04	MCHIP	8	DIL	4K (512 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC04B/P	119-6848	1.00	0.83	0.70	– –	– –
24LC04	MCHIP	8	DIL	4K (512 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC04B-I/P	119-6811	1.24	1.04	0.88	0.75	– –
24LC04	MCHIP	8	SOIC	4K (512 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC04B/SN	SMD 108-4244	0.93	0.78	0.65	– –	– –
24LC04	MCHIP	8	SOIC	4K (512 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC04B-I/SN	SMD 121-2476	1.27	1.01	0.91	0.78	– –
24WC04	CAT	8	TSSOP	4K (512 × 8) Serial EEPROM	6V	CAT24WC04YI	SMD 880-3420	0.98	0.85	0.65	– –	– –
24LC040	MCHIP	8	SOIC	4K (512 × 8) SPI Serial CMOS EEPROM - Low Voltage	2.5V	25LC040/SN	SMD 108-4247	1.71	1.42	1.20	– –	– –
25LC040	MCHIP	8	DIL	4K (512 × 8) SPI Serial CMOS EEPROM - Low Voltage	2.5V	25LC040/P	975-8100	1.78	1.48	1.26	– –	– –
25LC040	MCHIP	8	SOIC	4K (512 × 8) SPI Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	25LC040-I/SN	SMD 975-8119	1.71	1.42	1.20	– –	– –
25040	CAT	8	SOIC	4K (512 × 8) SPI Serial CMOS EEPROM	6V	CAT25040VI	SMD 880-3510	1.24	1.07	0.88	– –	– –
25040	CAT	8	TSSOP	4K (512 × 8) SPI Serial CMOS EEPROM	6V	CAT25040YI	SMD 880-3560	1.24	1.07	0.88	– –	– –
93C66	CAT	8	SOIC	4K (512 × 8 or 256 × 16) Microwire Serial EEPROM	6V	CAT93C66VI	SMD 880-3650	0.98	0.85	0.70	– –	– –
93C66	CAT	8	TSSOP	4K (512 × 8 or 256 × 16) Microwire Serial EEPROM	6V	CAT93C66YI	SMD 880-3684	0.98	0.85	0.70	– –	– –
93LC66	MCHIP	8	DIL	4K (512 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	93LC66A/P	975-8267	1.07	0.89	0.76	– –	– –
93LC66	MCHIP	8	SOIC	4K (512 × 8) Serial CMOS EEPROM - Low Voltage	2.5V	93LC66A/SN	SMD 975-8275	1.00	0.83	0.70	– –	– –
95040	ST	8	SOIC	4K (512 × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M95040-WMN6P	SMD 121-8169	2.94	2.50	2.20	1.76	– –
93LC66	MCHIP	8	DIL	4K (256 × 16) Serial CMOS EEPROM - Low Voltage	2.5V	93LC66B/P	975-8283	1.07	0.89	0.76	– –	– –
93LC66	MCHIP	8	SOIC	4K (256 × 16) Serial CMOS EEPROM - Low Voltage	2.5V	93LC66B/SN	SMD 975-8291	1.00	0.83	0.70	– –	– –
93LC66	MCHIP	8	SOIC	4K (256 × 16) Microwire Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	93LC66B-I/SN	SMD 975-8305	1.00	0.83	0.70	– –	– –
93S66	ST	8	SOIC	4K (256 × 16) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M93C66-WMN6P	SMD 988-2758	0.98	0.85	0.78	0.53	– –
8K												
08	ATM	8	DIL	8K (1K × 8) 2-Wire Serial EEPROM		AT24C08A-10PU-2.7	109-5757	0.88	0.72	0.59	0.56	– –
08	ATM	8	SOIC	8K (1K × 8) 2-Wire Serial EEPROM	5.5V	AT24C08AN-10SU-2.7	SMD 109-5758	0.88	0.72	0.59	0.56	– –
24C08	ST	8	DIL	8K (1K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M24C08-WBN6P	988-2820	0.87	0.76	0.70	0.48	– –
24C08	ST	8	SOIC	8K (1K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M24C08-WMN6P	SMD 988-2839	0.66	0.57	0.53	0.36	– –
24LC08	MCHIP	8	DIL	8K (1K × 8) Serial CMOS EEPROM - Low Voltage		24LC08B/P	108-4245	1.13	0.94	0.81	– –	– –
24WC08	CAT	8	SOIC	8K (1K × 8) Serial EEPROM	6V	CAT24WC08WI	SMD 880-3439	1.04	0.91	0.74	– –	– –
24LC080	MCHIP	8	SOIC	8K (1K × 8) SPI Serial CMOS EEPROM - Low Voltage	2.5V	25LC080/SN.	SMD 300-1751	2.71	2.26	1.92	– –	– –
24LC08	MCHIP	8	SOIC	8K (1K × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC08B/SN	SMD 121-2669	1.07	0.89	0.76	– –	– –
080	MCHIP	8	SOIC	8K SPI Bus Serial EEPROM	5V	25LC080/SN	SMD 113-7302	2.71	2.26	1.92	– –	– –
	MCHIP	8	SOIC		5.5V	25LC080A-I/SN	SMD 119-6822	1.78	1.48	1.26	– –	– –
25C08	CAT	8	SOIC	8K (1K × 8) SPI Serial CMOS EEPROM	6V	CAT25C08VI	SMD 880-3528	1.50	1.30	1.07	– –	– –
25C08	CAT	8	TSSOP	8K (1K × 8) SPI Serial CMOS EEPROM	6V	CAT25C08YI	SMD 880-3579	1.50	1.30	1.07	– –	– –
95080	ST	8	SO-8	8Kbit Serial SPI Bus EEPROM With High Speed Clock	5V	M95080-WMN6P	SMD 109-9710	1.13	0.98	0.91	0.62	– –
16K												
16	ATM	8	DIL	16K (2K × 8) 2-Wire Serial EEPROM	5.5V	AT24C16A-10PU-2.7	109-5763	1.04	0.85	0.65	0.65	– –
16	ATM	8	SOIC	16K (2K × 8) 2-Wire Serial EEPROM	5.5V	AT24C16AN-10SU-2.7	SMD 109-5764	1.04	0.85	0.65	0.65	– –
24C16	ST	8	DIL	16K (2K × 8) Serial CMOS EEPROM (Low Voltage) IND TEMP	2.5V	M24C16-WBN6P	988-2766	0.73	0.63	0.59	0.40	– –
24C16	ST	8	SOIC	16K (2K × 8) Serial CMOS EEPROM (Low Voltage) IND TEMP	2.5V	M24C16-WMN6P	SMD 988-2774	0.73	0.63	0.59	0.40	– –
24LC16	MCHIP	8	DIL	16K (2K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC16B-I/P	975-7953	1.22	1.02	0.85	– –	– –
24LC16	MCHIP	8	SOIC	16K (2K × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC16B/SN	SMD 975-7945	1.13	0.94	0.81	– –	– –
24LC16	MCHIP	8	SOIC	16K (2K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC16B-I/SNG	SMD 121-2925	1.24	0.94	0.81	– –	– –
24LC16	MCHIP	6	SOT-23	16K (2K × 8) I²C Serial EEPROM - (IND TEMP)	2.5V	24LC16BT-I/OT	SMD 975-7961	1.13	0.94	0.81	– –	– –
24WC16	CAT	8	SOIC	16K (2K × 8) Serial EEPROM	6V	CAT24WC16WI	SMD 880-3447	1.17	1.01	0.84	– –	– –
25C16	CAT	8	SOIC	16K (2K × 8) SPI Serial CMOS EEPROM	6V	CAT25C16VI	SMD 880-3536	1.69	1.46	1.21	– –	– –
25C16	CAT	8	TSSOP	16K (2K × 8) SPI Serial CMOS EEPROM	6V	CAT25C16YI	SMD 880-3587	1.69	1.46	1.21	– –	– –
25LC160	MCHIP	8	DIL	16K (2K × 8) SPI Serial CMOS EEPROM - Low Voltage	2.5V	25LC160/P	108-4248	2.86	2.39	2.02	– –	– –
25LC160	MCHIP	8	SOIC	16K (2K × 8) SPI Serial CMOS EEPROM - Low Voltage	2.5V	25LC160/SN	SMD 975-8127	2.78	2.31	1.96	– –	– –
25LC160	MCHIP	8	SOIC	16K (2K × 8) SPI Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	25LC160-I/SN	SMD 975-8135	2.78	2.31	1.96	– –	– –
	MCHIP	8	SOIC		5.5V	25LC160A-I/SN	SMD 108-4340	1.86	1.55	1.31	– –	– –
93C86	ST	8	DIL	16K (2K × 8 or 1K × 16) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M93C86-WBN6P	988-2693	1.41	1.22	1.13	0.77	– –

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EEPROMs	Mftr.	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
16K												
93C86	ST	8	SOIC	16K (2K × 8 or 1K × 16) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M93C86-WMN6P	SMD 988-2707 ●	1.13	0.97	0.90	0.62	– –
93C86	CAT	8	SOIC	16K (2K × 8 or 1K × 16) Microwire Serial EEPROM	6V	CAT93C86VI	SMD 880-3692 ●	1.17	1.01	0.84	– –	– –
93LC86	MCHIP	8	SOIC	16K (2K × 8 or 1K × 16) Microwire Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	93LC86-I/SN	SMD 119-6821 ●	2.86	2.39	2.02	– –	– –
	MCHIP	8	DIL		5.5V	93LC86C-I/P	119-6824 ●	1.58	1.31	1.11	– –	– –
95160	ST	8	DIL	16K (2K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M95160-WBN6P	109-4316 ●	3.91	3.33	2.94	2.35	– –
95160	ST	8	SOIC	16K (2K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M95160-WMN6P	SMD 121-8167 ●	3.91	3.33	2.94	2.35	– –
32K												
32	ATM	8	DIL	32K (4K × 8) 2-Wire Serial EEPROM		AT24C32A-10PU-2.7	109-5768 ●	1.40	1.14	0.91	0.88	– –
32	ATM	8	SOIC	32K (4K × 8) 2-Wire Serial EEPROM		AT24C32AN-10SU-2.7	SMD 109-5769 ●	1.40	1.14	0.91	0.88	– –
24LC32	MCHIP	8	DIL	32K (4K × 8) Serial CMOS EEPROM - Low Voltage	2.5V	24LC32A/P	108-4246 ●	1.58	1.31	1.11	– –	– –
24LC32	MCHIP	8	SOIC	32K (4K × 8) Serial CMOS EEPROM - Low Voltage (207 mil)	2.5V	24LC32A/SM	SMD 121-2670 ●	1.58	1.31	1.11	– –	– –
24LC32	MCHIP	8	SOIC	32K (4K × 8) Serial CMOS EEPROM - Low Voltage (150 mil)		24LC32A/SN	SMD 975-8003 ●	1.51	1.26	1.05	– –	– –
24LC32	MCHIP	8	SOIC	32K (4K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)		24LC32A-I/SN	SMD 975-8011 ●	1.51	1.26	1.05	– –	– –
24WC32	CAT	8	SOIC	32K (4K × 8) I²C Serial CMOS EEPROM	6V	CAT24WC32WI	SMD 880-3455 ●	1.82	1.56	1.30	– –	– –
24C32	ST	8	DIL	32K (4K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M24C32-WBN6P	120-2827 ●	4.95	4.21	3.71	2.97	– –
25C32	CAT	8	SOIC	32K (4K × 8) SPI Serial CMOS EEPROM	6V	CAT25C32VI	SMD 880-3595 ●	2.08	1.79	1.49	– –	– –
25LC320	MCHIP	8	DIL	32K (4K × 8) SPI Serial CMOS EEPROM - Low Voltage (150 mil)	2.5V	25LC320/P	975-8143 ●	2.13	1.78	1.52	– –	– –
25LC320	MCHIP	8	SOIC	32K (4K × 8) SPI Serial CMOS EEPROM - Low Voltage (150 mil)	2.5V	25LC320/SN	SMD 108-4249 ●	2.06	1.72	1.46	– –	– –
95320	ST	8	SOIC	32k (4K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M95320-WMN6	SMD 366-3073 ▲	8.75	7.44	6.56	5.25	– –
95320	ST	8	SOIC	32k (4K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M95320-WMN6P	SMD 115-9692 ●	8.75	7.44	6.56	5.25	– –
64K												
64	ATM	8	DIL	64K (8K × 8) 2-Wire Serial EEPROM		AT24C64A-10PU-2.7	109-5772 ●	1.53	1.27	0.98	0.98	– –
64	ATM	8	SOIC	64K (8K × 8) 2-Wire Serial EEPROM		AT24C64AN-10SU-2.7	SMD 109-5773 ●	1.53	1.27	0.98	0.98	– –
24C64	ST	8	DIL	64k (8K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M24C64-WBN6P	109-4259 ●	6.20	5.27	4.65	3.72	– –
24C64	ST	8	SOIC	64k (8k × 8) Serial CMOS EEPROM (IND TEMP)		M24C64-WMN6P	SMD 988-2685 ●	1.59	1.37	1.27	0.87	– –
24LC64	MCHIP	8	DIL	64K (8K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC64-I/P	975-8054 ●	1.86	1.55	1.31	– –	– –
24LC64	MCHIP	8	SOIC	64K (8K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC64-I/SM	SMD 975-8062 ●	1.86	1.55	1.31	– –	– –
24LC64	MCHIP	8	SOIC	64K (8K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC64-I/SN	SMD 975-8070 ●	1.78	1.48	1.26	– –	– –
24WC64	CAT	8	SOIC	64K (8K × 8) I²C Serial CMOS EEPROM		CAT24WC64WI	SMD 880-3463 ●	2.15	1.82	1.53	– –	– –
24C65	MCHIP	8	DIL	64K (8K × 8) 'SMART' Serial EEPROM, 5.0V, 12C	10%	24C65/P	975-7821 ●	5.71	4.75	4.03	– –	– –
24C65	MCHIP	8	SOIC	64K (8K × 8) 'SMART' Serial EEPROM, 5.0V, 12C	10%	24C65T/SM	SMD 975-7848 ●	5.71	4.75	4.03	– –	– –
24C65	MCHIP	8	DIL	64K (8K × 8) 'SMART' Serial EEPROM, 5.0V, 12C (IND TEMP)	10%	24C65-I/P	975-7830 ●	5.71	4.75	4.03	– –	– –
24C65	MCHIP	8	SOIC	64K (8K × 8) 'SMART' Serial EEPROM, 5.0V, 12C (IND TEMP)	5V	24C65T-I/SM.	SMD 344-3978	5.71	4.75	4.03	– –	– –
24C65	MCHIP	8	SOIC	64K (8K × 8) 'SMART' Serial EEPROM, 5.0V, 12C (IND TEMP)	5V	24C65T-I/SM	SMD 121-2682 ●	4.56	3.78	3.16	– –	– –
24LC65	MCHIP	8	DIL	64K (8K × 8) 'SMART' Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC65-I/P	120-0024 ●	4.39	3.65	3.03	– –	– –
24LC65	MCHIP	8	DIL	64K (8K × 8) 'SMART' Serial CMOS EEPROM - Low Voltage		24LC65/P	975-8089 ●	5.71	4.75	4.03	– –	– –
24LC65	MCHIP	8	SOIC	64K (8K × 8) 'SMART' Serial CMOS EEPROM - Low Voltage		24LC65/SM	SMD 975-8097 ●	5.71	4.75	4.03	– –	– –
25C64	CAT	8	SOIC	64K (8K × 8) SPI Serial CMOS EEPROM		CAT25C64VI	SMD 880-3609 ●	2.47	2.12	1.77	– –	– –
25LC640	MCHIP	8	DIL	64K (8K × 8) SPI Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	25LC640-I/P	NEW 975-8151 ●	2.13	1.78	1.52	– –	– –
25LC640	MCHIP	8	SOIC	64K (8K × 8) SPI Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	25LC640-I/SN	NEW SMD 975-8160 ●	2.06	1.72	1.46	– –	– –
64	ATM	32	PLCC	64K (8K × 8) CMOS Parallel EEPROM with Page Write and DSP - 150ns Access		AT28C64B-15JU	SMD 109-5783 ●	5.99	4.88	3.84	3.81	– –
64	ATM	28	DIL	64K (8K × 8) CMOS Parallel EEPROM with Page Write and DSP - 150ns Access		AT28C64B-15PU	109-5784 ●	5.99	4.88	3.84	3.81	– –
28C64	CAT	8	SOIC	64K (8K × 8) CMOS Parallel EEPROM		CAT28C64WI	SMD 880-3706 ●	7.52	6.41	5.14	– –	– –
28C64	CAT	8	PLCC	64K (8K × 8) CMOS Parallel EEPROM	5V	CAT28C64GI	SMD 880-3714 ●	7.52	6.41	5.14	– –	– –
28HC64	XCR	28	DIL	64K (8K × 8) CMOS EEPROM - 70ns Access (with DP)	5V	X28HC64P70	563-900	50.19	35.92	25.14	– –	– –
95640	ST	8	SOIC	64k (8K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M95640-WMN6P	SMD 113-2001 ●	7.76	6.60	5.82	4.66	– –
128K												
128	ATM	8	DIL	128K (16K × 8) 2-Wire Serial EEPROM		AT24C128-10PU-2.7	109-5761 ●	2.70	2.21	1.73	1.72	– –
128	ATM	8	SOIC	128K (16K × 8) 2-Wire Serial EEPROM		AT24C128N-10SU-2.7	SMD 109-5762 ●	2.70	2.21	1.73	1.72	– –
24LC128	MCHIP	8	DIL	128K (16K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)		24LC128-I/P	975-7929 ●	2.78	2.31	1.96	– –	– –
24LC128	MCHIP	8	SOIC	128K (16K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC128-I/SN	SMD 975-7937 ●	2.71	2.26	1.92	– –	– –
24WC128	CAT	8	SOIC	128K (16K × 8) I²C Serial CMOS EEPROM	6V	CAT24WC128WI	SMD 880-3471 ●	2.93	2.51	2.09	– –	– –
25C128	CAT	8	SOIC	128K (16K × 8) SPI Serial CMOS EEPROM	6V	CAT25C128VI	SMD 880-3617 ●	3.52	2.99	2.51	– –	– –
95128	ST	8	DIL	128K (16K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	M95128-WBN6P	109-4315 ●	9.04	7.69	6.78	5.43	– –
95128	ST	8	SOIC	128K (16K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)		M95128-WMN6P	SMD 975-5870 ●	8.78	7.46	6.58	5.27	– –
256K												
256	ATM	8	DIL	256K (32K × 8) 2-Wire Serial EEPROM		AT24C256-10PU-2.7	109-5765 ●	3.26	2.67	2.12	2.09	– –
256	ATM	8	SOIC	256K (32K × 8) 2-Wire Serial EEPROM		AT24C256N-10SU-2.7	SMD 109-5767 ●	3.26	2.67	2.12	2.09	– –
24LC256	MCHIP	8	DIL	256K (32K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC256-I/P	975-7970 ●	3.93	3.27	2.78	– –	– –
24LC256	MCHIP	8	SOIC	256K (32K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP, 207 mil)	2.5V	24LC256-I/SM	SMD 975-7988 ●	3.93	3.27	2.78	– –	– –
24LC256	MCHIP	8	SOIC	256K (32K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)		24LC256-I/SN	SMD 975-7996 ●	3.86	3.22	2.72	– –	– –
24WC256	CAT	8	SOIC	256K (32K × 8) I²C Serial CMOS EEPROM		CAT24WC256XI	SMD 880-3480 ●	4.62	3.94	3.30	– –	– –
25C256	CAT	8	SOIC	256K (32K × 8) SPI Serial CMOS EEPROM	6V	CAT25C256XI	SMD 880-3625 ●	5.44	4.62	3.86	– –	– –
256	MCHIP	8	MLF	256 Kbit SPI™ Bus Serial Flash CMOS		25LC256-I/MFG	SMD 989-2460 ●	6.77	5.64	4.79	– –	– –
256	MCHIP	8	DIL	256 Kbit SPI™ Bus Serial Flash CMOS		25LC256-I/PG	989-2478 ●	5.64	4.70	3.98	– –	– –
256	MCHIP	8	TSSOP	256 Kbit SPI™ Bus Serial Flash CMOS		25LC256-I/STG	SMD 989-2494 ●	5.71	4.75	4.03	– –	– –
256	ATM	28	DIL	256K (32K × 8) CMOS Paged Parallel EEPROM - 150ns Access		AT28C256-15PU	109-5782 ●	12.50	10.22	8.04	8.00	– –
58C256	REN	28	SOIC	256K (32K × 8) CMOS EEPROM - 150ns Access	10%	HN58C256AFP10	SMD 788-119	42.07	29.88	23.25	18.48	– –
58C256	REN	28	SOIC	256K (32K × 8) CMOS EEPROM - 150ns Access	10%	HN58C256AFP10-E	SMD 119-3610 ●	42.07	29.88	23.25	18.48	– –
58C256	REN	28	DIL	256K (32K × 8) CMOS EEPROM - 85ns Access	10%	HN58C256AP85	120-2096 ●	27.57	23.03	21.57	– –	– –
95256	ST	8	SO8	256Kbit Serial SPI Bus EEPROM With High Speed Clock		M95256-WMN6P	SMD 109-9712 ●	3.08	2.62	2.31	1.85	– –
512K												
512	ATM	8	DIL	512K (64K × 8) 2-Wire Serial EEPROM		AT24C512-10PU-2.7	109-5770 ●	8.07	6.61	5.21	5.16	– –
512	ATM	8	SOIC	512K (64K × 8) 2-Wire Serial EEPROM		AT24C512N-10SU-2.7	SMD 109-5771 ●	8.07	6.61	5.21	5.16	– –
24LC512	MCHIP	8	DIL	512K (64K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC512-I/P	975-8020 ●	7.06	5.88	5.00	– –	– –
24LC512	MCHIP	8	SOIC	512K (64K × 8) Serial CMOS EEPROM - Low Voltage (IND TEMP)	2.5V	24LC512-I/SM	SMD 975-8038 ●	7.06	5.88	5.00	– –	– –
24LC515	MCHIP	8	SOIC	512K (64K × 8) Serial CMOS EEPROM - Low Voltage, 64B page write mode (IND TEMP)	2.5V	24LC515-I/SM	SMD 975-8046 ●	10.06	8.38	7.12	– –	– –
24512	ST	8	SO-8	512k (64K × 8) Serial I²C Bus EEPROM (IND TEMP)	5V	M24512-WMW6G	SMD 109-9661 ●	4.26	3.48	2.65	– –	– –
1Mbit												
1024	ATM	8	DIL	1M (128K × 8) 2-Wire Serial EEPROM		AT24C1024-10PU-2.7	109-5759 ●	12.40	10.35	8.89	8.84	– –
1024	ATM	8	SOIC	1M (128K × 8) 2-Wire Serial EEPROM		AT24C1024W-10SU-2.7	SMD 109-5760 ●	12.40	10.35	8.89	8.84	– –
1024	MCHIP	8	DIL	1 Mbit SPI™ Bus Serial Flash CMOS	6.5V	25LC1024-I/PG	989-2435 ●	11.21	9.34	7.92	– –	– –

DP = Data Protection.

Serial EEPROM Bus Types - 93C/95C

● Compliant
▲ Non-compliant
+ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Serial EEPROMs

NEW

MICROCHIP

422896

Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
256	8	MLF	256 Kbit SPI™ Bus Serial Flash CMOS	25LC256-I/MFG	SMD 989-2460	6.77	5.64	4.79
256	8	DIL	256 Kbit SPI™ Bus Serial Flash CMOS	25LC256-I/PG	989-2478	5.64	4.70	3.98
256	8	SOIC	256 Kbit SPI™ Bus Serial Flash CMOS	25LC256-I/SNG	SMD 989-2486	5.57	4.64	3.94
256	8	TSSOP	256 Kbit SPI™ Bus Serial Flash CMOS	25LC256-I/STG	SMD 989-2494	5.71	4.75	4.03
1024	8	MLF	1 Mbit SPI™ Bus Serial Flash CMOS	25LC1024-I/MFG	SMD 989-2427	12.34	10.29	8.73
1024	8	DIL	1 Mbit SPI™ Bus Serial Flash CMOS	25LC1024-I/PG	989-2435	11.21	9.34	7.92
1024	8	SOIC	1 Mbit SPI™ Bus Serial Flash CMOS	25LC1024-I/SMG	SMD 989-2451	11.21	9.34	7.92

PEROM - 5V/3.3V

ATMEL

A range of 3V and 5V only in-system Programmable and Erasable Read Only Memories (PEROM). Manufactured with Atmel's advanced non-volatile CMOS technology features include:-

- 3V and 5V only read and program operation
- Software and hardware data protection
- Fast program cycle time
- End of program detection
- 10 year data retention
- Low power dissipation
- Sector program operation
- 1000 program cycles

210698

Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	10+	+
4Mb								
29LV040 32	TSOP	4Mb (512K × 8) CMOS PEROM, 3.3V only - 200ns Access (IND TEMP)	3.3V	AT29LV040A-15TU	SMD 120-0439	8.96	6.45	– –

FLASH Memory - 5V

These devices are designed to be programmed in-system with the standard system 5.0V Vcc supply. 12V Vpp is not required for program or erase operations. They can also be programmed in standard EPROM programmers. Sector erase architecture (any combination of sectors can be concurrently erased). Also supports full chip erase. 100,000 erase/program cycles. Available in DIL, PLCC and TSOP packages.

210537

Mftr.	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
1Mb											
29F010 SPN	32	PLCC	1Mb (128K x 8) FLASH, 5V only, CMOS memory 45ns acc..	10%	AM29F010B-45JD	SMD 120-1500	3.68	3.39	3.07	– –	– –
010 ATM	32	PLCC	1M (128K × 8) CMOS Flash Memory, 5V - 70ns Access	10%	AT29C010A-70JU	SMD 109-5785	4.30	3.52	2.77	2.74	– –
29F010 SPN	32	PLCC	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 70ns acc..	10%	AM29F010B-70JD	SMD 120-1485	3.09	2.84	2.58	– –	– –
29F010 SPN	32	TSOP	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 90ns acc..	10%	AM29F010B-90ED	SMD 120-1501	3.29	3.02	2.98	– –	– –
29F010 SPN	32	PLCC	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 90ns acc..	10%	AM29F010B-90JD	SMD 120-1486	3.09	2.84	2.58	– –	– –
29F010 SPN	32	DIL	1Mb (128K x 8) FLASH, 5V only, CMOS memory - 70ns acc..	10%	AM29F010B-70PD	120-1536	3.09	2.84	2.79	– –	– –
29F010 AMIC	32	DIL	1Mb (128K x 8) Flash CMOS, Uniform Sector 70ns acc	10%	A29F010-70F	NEW 874-9485	6.93	5.21	4.52	4.32	– –
2Mb											
020 ATM	32	PLCC	2M (256K × 8) CMOS Flash Memory, 5V - 70ns Access	10%							
				10%	AT29C020-70JU	SMD 109-5787	6.64	5.44	4.23	4.23	– –
4Mb											
29F040 SPN	32	TSOP	4Mb (512K x 8) FLASH, 5V only, CMOS memory 55ns acc..	10%	AM29F040B-55ED	SMD 120-1506	4.75	4.37	3.97	– –	– –
29F040 SPN	32	PLCC	4Mb (512K x 8) FLASH, 5V only, CMOS memory 55ns acc..	10%	AM29F040B-55JD	SMD 120-1507	4.75	4.37	3.97	– –	– –
29F040 SPN	32	TSOP	4Mb (512K x 8) FLASH, 5V only, CMOS memory 90ns acc..	10%	AM29F040B-90ED	SMD 120-1508	3.96	3.65	3.30	– –	– –
29F040 SPN	32	PLCC	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 90ns acc..	10%	AM29F040B-90JD	SMD 120-1488	3.96	3.65	3.31	– –	– –
29F040 SPN	32	PLCC	4Mb (512K x 8) FLASH, 5V only, CMOS memory 90ns acc..	10%	AM29F040B-90JF	SMD 120-1509	3.96	3.65	3.30	– –	– –
29F040 SPN	32	DIL	4Mb (512K x 8) FLASH, 5V only, CMOS memory 90ns acc..	10%	AM29F040B-90PD	120-1510	4.75	4.36	3.97	– –	– –
29F040 SPN	32	PLCC	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 120ns acc..	10%	AM29F040B-120JD	SMD 120-1483	3.96	3.64	3.31	– –	– –
29F040 SPN	32	PLCC	4Mb (512K x 8) FLASH, 5V only, CMOS memory 120ns acc..	10%	AM29F040B-120JF	SMD 120-1504	3.96	3.65	3.30	– –	– –
29F040 SPN	32	DIL	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 120ns acc..	10%	AM29F040B-120PD	120-1484	4.75	4.37	4.28	– –	– –
29F040 ST	32	TSOP	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 70ns acc..	10%	M29F040B-70N6.	SMD 352-8558	6.07	5.42	4.94	– –	– –
29F040 ST	32	TSOP	4Mb (512K x 8) FLASH, 5V only, CMOS memory - 70ns acc..	10%	M29F040B70N6E	SMD 115-9691	6.22	5.56	5.07	– –	– –
29F040 AMIC	32	DIL	4Mb (512K x 8) Flash CMOS, Uniform Sector 70ns acc	10%	A29F040B-70F	NEW 874-9493	7.97	6.02	5.24	4.98	– –
29F040 AMIC	32	PLCC	4Mb (512K x 8) Flash CMOS, Uniform Sector 70ns acc	10%	A29F040BL-70F	NEW SMD 874-9507	7.39	5.53	4.85	4.60	– –
29LV040 SPN	32	TSOP	4Mb (512K x 8) FLASH, 3V , CMOS memory 70ns acc...	10%	AM29LV040B-70ED	SMD 120-1523	5.15	4.73	4.30	– –	– –
29LV040 SPN	32	PLCC	4Mb (512K x 8) FLASH, 3V , CMOS memory 70ns acc...	10%	AM29LV040B-70JD	SMD 120-1524	4.95	4.56	4.13	– –	– –
29LV040 SPN	32	TSOP	4Mb (512K x 8) FLASH, 3V only, CMOS memory 90ns acc..	10%	AM29LV040B-90ED	SMD 120-1526	4.75	4.37	4.28	– –	– –
29LV040 SPN	32	PLCC	4Mb (512K x 8) FLASH, 3V only, CMOS memory 90ns acc..	10%	AM29LV040B-90JD	SMD 120-1525	4.55	4.18	3.80	– –	– –
040 ST	32	TSOP	4Mb (512K x 8) FLASH, Low Voltage CMOS memory - 70ns acc (IND TEMP).	10%	M29W040B70N6E	SMD 109-9687	3.86	3.45	3.14	– –	– –
8Mb											
080 ST	40	TSOP	8Mb (1Mb x8) FLASH, 5V only, CMOS memory - 70ns acc (IND TEMP).	10%	M29F080D70N6E	SMD 109-9682	6.80	5.57	4.10	– –	– –
29F080 SPN	40	TSOP	8Mb (1M x 8) FLASH, 5V only, CMOS memory 90ns acc..	10%	AM29F080B-90ED	SMD 120-1511	5.34	4.91	4.46	– –	– –
29F080 SPN	44	SOIC	8Mb (1M x 8) FLASH, 5V only, CMOS memory 90ns acc..	10%	AM29F080B-90SD	SMD 120-1512	7.53	6.93	6.29	– –	– –
29F080 ST	40	TSOP	8Mb (1Mb x 8) FLASH, 5V only, CMOS memory - 90ns acc.	10%	M29F080A90N1.	SMD 333-5150	8.60	7.68	7.00	– –	– –
16Mb											
016 ST	40	TSOP	16 Mb (2Mb x8) FLASH, 5V only, CMOS memory - 70ns acc (IND TEMP).	10%	M29F016D70N6E	SMD 109-9679	8.79	7.19	5.27	– –	– –
29F016 SPN	48	TSOP	16Mb (2M x 8) FLASH, 5V only, CMOS memory - 90ns acc..	10%	AM29F016D-90ED	SMD 120-1502	9.89	9.10	8.26	– –	– –
32Mb											
032 ST	40	TSOP	32 Mb (4Mb x8) FLASH, 5V only, CMOS memory - 70ns acc (IND TEMP).	10%	M29F032D70N6E	SMD 109-9680	13.61	11.13	8.17	– –	– –
29F032 SPN	40	TSOP	32Mb (4MB x 8) FLASH, 5V only, CMOS memory 90ns acc..	10%	AM29F032B-90ED	SMD 120-1503	17.02	15.66	14.21	– –	– –

FLASH Memory

SMD

FLASH Memory is a reliable, cost effective non-volatile digital storage device, which has the read characteristics of EPROM, SRAM and EEPROM. However, when 12V is applied to the device, it can be programmed on a byte basis, with the ability to bulk erase in a few seconds without removing the device from the system.

FLASH Memory devices are available in DIL and PLCC packages which can be socketed or mounted directly onto a board for increased reliability.

210475

Mftr.	Pins	Pins	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
1Mb											
28F010 INTEL	32	SOIC	1Mb (128K × 8) FLASH memory - 120ns Access	10%	N28F010-120	SMD 295-395	38.31	35.68	30.12	– –	– –
2Mb											
28F020 INTEL	32	SOIC	2Mb (256K × 8) FLASH memory - 150ns Access	10%	N28F020-90	SMD 296-181	56.51	52.18	46.64	– –	– –
28F201 ST	32	PLCC	2Mb (256K × 8) FLASH memory - 120ns Access	10%	M28F201-120K1	SMD 796-281	17.76	14.44	11.56	– –	– –

All types are 12V VPP and offer a minimum of 10,000 erase/program cycles.

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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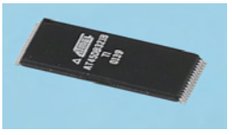
Atmel AT45D Dataflash Memory





The Atmel AT45DBxxxx DataFlash family features all the storage performance of existing "parallel" NOR Flash architecture FLASH memories, but uses only 7 control signals to interface to a host processor. The DataFlash device's high-speed Serial SPI Interface frees up I/O pins on the host processor for other uses, and allows the DataFlash devices to be squeezed into smaller packages (8-pin SOIC up to 4 Mbits) which take up less board space. The devices are available in memory densities from 1 Mbits to 64 MBits and feature small page sizes with extra user-defined padding bytes per page for CRC checking or other custom uses.

DataFlash devices are ideal for both non-volatile code and data storage requirements. They are perfectly suited for digital voice, image, and data storage applications where small physical size and low power consumption is required.

Features:
- Available in densities from 1 Mbits to 64 Mbits (simple upgrade path)
- Simple SPI Serial Interface requiring only 7 pins to interface to host processor
- High-speed SPI data transfer at up to 20 MHz
- One / two on-chip, bi-directional buffers to expedite the flow of data to/from the device
- Small page size with extra "padding" bytes:
  - 1 - 4 Mbits: 264 bytes
  - 16 - 32 Mbits: 528 bytes
  - 64 Mbits: 1056 bytes

Voltage range: 2.7 - 3.6 V
Standby Current: typically 2 uA

	No. of Pins / Package	Product Description	Mftrs. List No.	Order Code
011	8SOIC /	1Mb (128K x 8) Serial FLASH Memory - SPI interface (IND TEMP).	AT45DB011B-SU	109-5792
021	8SOIC /	2Mb (256K x 8) Serial FLASH Memory - SPI interface (IND TEMP).	AT45DB021B-SU	109-5793
041	8SOIC /	4Mb (512K x 8) Serial FLASH Memory - SPI interface (IND TEMP).	AT45DB041B-SU	109-5794
041	28TSOP /	4Mb (512K x 8) Serial FLASH Memory - SPI interface (IND TEMP, TSOP).	AT45DB041B-TU	109-5795
45DB081	28TSOP /	8Mb (1M x 8) Serial FLASH Memory - SPI interface (IND TEMP, TSOP).	AT45DB081B-TU	109-5796
321	28TSOP /	32M DataFlash Serial, 2.7V - 40MHz	AT45DB321C-TU	109-5798
	28TSOP /	64Mb (8M x 8) Serial FLASH Memory - SPI and parallel I/O interface (IND TEMP, TSOP).	AT45DB642D-TU	109-5799

240480

Mftrs. List No.	Order Code	Price Each 1+	10+	100+
AT45DB011B-SU	SMD 109-5792	3.42	2.80	2.21
AT45DB021B-SU	SMD 109-5793	5.24	4.26	3.35
AT45DB041B-SU	SMD 109-5794	5.47	4.46	3.52
AT45DB041B-TU	SMD 109-5795	5.83	4.75	3.74
AT45DB081B-TU	SMD 109-5796	7.29	5.96	4.65
AT45DB321C-TU	SMD 109-5798	18.10	14.78	11.62
AT45DB642D-TU	SMD 109-5799	41.24	33.72	26.50

Serial FLASH Memory

The Atmel AT45DBxxxx DataFlash family features all the storage performance of existing "parallel" NOR Flash architecture FLASH memories, but uses only 7 control signals to interface to a host processor. The DataFlash device's high-speed Serial SPI Interface frees up I/O pins on the host processor for other uses, and allows the DataFlash devices to be squeezed into smaller packages (8-pin SOIC up to 4 Mbits) which take up less board space. The devices are available in memory densities from 1 Mbits to 64 MBits and feature small page sizes with extra user-defined padding bytes per page for CRC checking or other custom uses.

Serial FLASH memory from ST Microelectronics feature:
- 2.7V to 3.6V single supply voltage
- SPI Bus compatible Serial Interface
- 20MHz (or 25MHz for 2M, 4M, 8M) clock rate
- Deep Power-down mode 1μA (typical)
- 100,000 + erase/program cycles per sector
- 20+ years data retention

240104

	Pins/Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
25P05	8/SOIC	512K (64K × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M25P05-AVMN6P	SMD 988-2855	2.38	2.13	1.94
25P05	8/VFQFPN	512K (64K × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M25P05-AVMP6G	SMD 109-9662	4.26	3.48	2.57
25P10	8/SOIC	1Mb (128K × 8) Serial FLASH Memory - SPI Interface (IND TEMP)	M25P10-AVMN6P	SMD 866-1308	3.08	2.75	2.51
25P10	8/VFQFPN	1Mb (128K × 8) Serial FLASH Memory - SPI Interface (IND TEMP)	M25P10-AVMP6G	SMD 109-9663	5.24	4.30	3.16
45PE10	8/SO-8	1Mb (128k × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M45PE10-VMN6P	SMD 109-9702	3.21	2.86	2.61
45PE10	8/VDFPN	1Mb (128k × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M45PE10-VMP6G	SMD 109-9703	5.53	4.13	3.32
25P20	8/SOIC	2Mb (256K × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M25P20-VMN6P	SMD 988-2863	5.05	4.51	4.11
25P20	8/VDFPN	2Mb (256K x 8) Serial FLASH Memory - SPI Interface (IND TEMP)	M25P20-VMP6G	SMD 109-9665	4.00	3.29	2.41
45PE20	8/SO-8	2Mb (256k × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M45PE20-VMN6P	SMD 109-9704	7.19	5.40	4.33
45PE20	8/VDFPN	2Mb (256k × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M45PE20-VMP6G	SMD 109-9705	7.78	5.86	4.69
25P40	8/SOIC	4Mb (512K × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M25P40-VMN6	SMD 415-5634 ▲	9.31	8.31	7.58
25P40	8/SOIC	4Mb (512K × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M25P40-VMN6P	SMD 988-2871	4.74	4.23	3.86
25P40	8/VFQFPN	4Mb (512K × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M25P40-VMP6TG	SMD 109-9667	5.47	4.49	3.29
45PE40	8/VDFPN	4Mb (512k × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M45PE40-VMP6G	SMD 109-9706	9.02	6.77	5.40
25P80	8/VFQFPN	8Mb (1Mb × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M25P80-VMP6G	SMD 109-9669	5.90	5.27	4.80
45PE80	8/VFQFPN	8Mb (1Mb × 8) Serial FLASH Memory -SPI interface (IND TEMP)	M45PE80-VMP6G	SMD 109-9708	14.32	11.95	9.54
25P16	8/VDFPN	16Mb (2Mb × 8) Serial FLASH Memory - SPI Interface (IND TEMP)	M25P16-VME6G	SMD 109-9664	6.02	4.92	3.61
25P16	16/SOIC	16Mb (2Mb × 8) Serial FLASH Memory - SPI Interface (IND TEMP)	M25P16-VMF6P	SMD 866-1316	5.56	4.97	4.53
25P32	8/VDFPN	32Mb (4Mb × 8) Serial FLASH Memory - SPI Interface (IND TEMP)	M25P32-VME6G	SMD 109-9666	8.65	7.72	7.04

Boot Block FLASH Memory

A range of Boot Block FLASH devices, these memory devices are capable of programming, erasing and reading with a single 5Volt supply.
They contain a 'boot block' section of memory which resides either at the top or bottom of memory depending on the device selected.
The organisation of the memory size is related to the size of the bus width selected, the selection of either 8 or 16 bit mode made by a logic signal to a device pin.
Memory blocks can be protected from programming or erasure to prevent accidental overwriting of data.

Features:
- Fast access time
- Fast programming time 10μs by byte/16μs by word typical
- Block, Multi-Block and Chip Erase
- Multi-block Protection/Temporary Unprotection modes
- 100,000 Program/Erase cycles
- Electronic Signature
- Single 5 Volt supply for Program/Erase/Read

211027

	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
200	48	TSOP	2Mb (256K x 8, 128K x 16) FLASH CMOS memory, Bottom Boot Block, 70ns acc (IND TEMP)	3.0V	M29W200BB70N6E	SMD 109-9694	5.05	4.13	3.03
200	48	TSOP	2Mb (256K x 8, 128K x 16) FLASH CMOS memory, Top Boot Block, 70ns acc (IND TEMP)	3.0V	M29W200BT70N6E	SMD 109-9692	3.52	3.14	2.86
200	48	TSOP	2 Mb (256K x 8, 128K x 16) FLASH CMOS memory, Bottom Boot Block, 70ns acc (IND TEMP)	10%	M29F200BB70N6E	SMD 109-9683	5.05	4.13	3.03
200	48	TSOP	2 Mb (256K x 8, 128K x 16) FLASH CMOS memory, Top Boot Block, 70ns acc (IND TEMP)	10%	M29F200BT70N6E	SMD 109-9684	5.05	4.13	3.03
29F400	48	TSOP	4Mb (512K × 8, 256K × 16) FLASH CMOS memory, Bottom sector 55ns acc	10%	AM29F400BB-55ED	SMD 120-1515	7.54	6.93	6.30
29F400	48	TSOP	4Mb (512K × 8, 256K × 16) FLASH CMOS memory, Bottom Sector 70ns acc	10%	AM29F400BB-70ED	SMD 120-1516	6.70	6.17	5.60
29F400	48	TSOP	4Mb (512K × 8, 256K × 16) FLASH CMOS memory, Top Sector 70ns acc	10%	AM29F400BT-70ED	SMD 120-1518	6.70	6.17	5.60
29F400	48	TSOP	4Mb (512K × 8, 256K × 16) FLASH CMOS memory, Bottom Sector 90ns acc	10%	AM29F400BB-90ED	SMD 120-1519	6.70	6.17	5.60
29F400	48	TSOP	4Mb (512K × 8, 256K × 16) FLASH CMOS memory, Top sector 90ns acc	10%	AM29F400BT-90ED	SMD 120-1520	6.70	6.17	5.60

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1418 Date: 21-08-06 time: 23:59

	Pins	Pkg	Description	Vcc = 5V ±	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
29F400	48	TSOP	4Mb (512K × 8, 256K × 16) FLASH CMOS memory, Bottom Boot Block, 55ns acc	10%	M29F400BB90N1	SMD 333-5112▲	6.07	5.42	4.94
29LV400	48	TSOP	4Mb (512M × 8, 256K × 16) 3.0V FLASH CMOS memory, Bottom Sector 90ns acc	10%	S29AL004D90TFI020	SMD 120-1531●	4.19	3.86	3.49
29800	44	SOP	8Mb (1K × 8) FLASH CMOS memory, Boot Sector 70ns acc	10%	A29800UM-70F	NEW SMD 874-9515●	10.29	7.71	6.77
29800	48	TSOP	8Mb (1K × 8) FLASH CMOS memory, Boot Sector 70ns acc	10%	A29800UV-70F	NEW SMD 874-9523●	10.29	7.71	6.77
29F800	48	TSOP	8Mb (1M × 8, 512K × 16) FLASH CMOS memory, Bottom Sector 90ns acc	10%	AM29F800BB-90ED	SMD 120-1521●	8.37	7.70	7.00
29F800	44	SOIC	8Mb (1M × 8, 512K × 16) FLASH CMOS memory, Bottom Sector 90ns acc	10%	AM29F800BB-90SD	SMD 120-1522●	8.94	8.22	7.47
29LV800	48	TSOP	8Mb (1M × 8, 512K × 16) 3.0V FLASH CMOS memory, Bottom sector 90ns acc	10%	S29AL008D90TFI020	SMD 120-1532●	5.03	4.63	4.20
29LV800	48	TSOP	8Mb (1M × 8, 512K × 16) 3.0V FLASH CMOS memory, Top Sector 90ns acc	10%	S29AL008D90TFI010	SMD 120-1533●	5.03	4.63	4.20
29F800	44	SOIC	8Mb (1M × 8, 512K × 16) FLASH CMOS memory, Bottom Boot Block, 70ns acc.	10%	M29F800DB70M1.	SMD 415-5660▲	8.60	7.68	7.00
29F800	44	SOIC	8Mb (1M × 8, 512K × 16) FLASH CMOS memory, Bottom Boot Block, 70ns acc.	10%	M29F800DB70M6E	SMD 121-8317●	11.82	9.61	7.77
29F800	44	SOIC	8Mb (1M × 8, 512K × 16) FLASH CMOS memory, Top Boot Block, 70ns acc.	10%	M29F800DT70M1	SMD 415-5671▲	8.60	7.68	7.00
29W800	44	SOIC	8Mb (1M × 8, 512K × 16) FLASH CMOS memory, Top Boot Block, 70ns acc. (IND TEMP)	3.0V	M29W800DT70M6	SMD 415-5713▲	23.56	21.03	19.00
800	48	TSOP	8 Mb (1Mb x 8, 512K x16) FLASH CMOS memory, Bottom Boot Block, 70ns acc (IND TEMP)	10%	M29F800DB70N6E	SMD 109-9685●	4.76	4.25	3.88
008	40	TSOP	8 Mb (1Mb x 8) FLASH CMOS memory, Bottom Boot Block, 70ns acc (IND TEMP)	3.0V	M29W008EB70N6E	SMD 109-9688●	7.16	5.86	4.30
800	48	TSOP	8 Mb (1Mb x 8, 512K x16) FLASH CMOS memory, Top Boot Block, 70ns acc (IND TEMP)	10%	M29F800DT70N6E	SMD 109-9686●	6.80	5.57	4.10
008	40	TSOP	8 Mb (1Mb x 8) FLASH CMOS memory, Top Boot Block, 70ns acc (IND TEMP)	3.0V	M29W008ET70N6E	SMD 109-9689●	7.16	5.86	4.30
28W160	48	TSOP	16 Mb (1Mb x16) FLASH CMOS memory, Bottom Boot Block, 70ns acc. (IND TEMP)	3.0V	M28W160CB70N6E	SMD 109-9671●	8.43	6.90	5.08
160	48	TSOP	16 Mb (1Mb x16) FLASH CMOS memory, Top Boot Block, 70ns acc. (IND TEMP)	3.0V	M28W160CT70N6E	SMD 109-9672●	15.14	12.37	9.08
29F160	48	TSOP	16Mb (2M × 8, 1M × 16) FLASH CMOS memory, Boot sector 90ns acc.	3.0V	AM29F160DB-90EF	SMD 120-1513●	15.37	14.13	12.83
29F160	48	TSOP	16Mb (2M × 8, 1M × 16) FLASH CMOS memory, Top Sector 90ns acc	3.0V	AM29F160DT-90EF	SMD 120-1514●	14.81	13.62	12.36
29L160	48	TSOP	16Mb (2K × 8) FLASH CMOS memory, Boot Sector 70ns acc	3.0V	A29L160UV-70F	NEW SMD 874-9540●	14.88	11.16	9.76
29LV160	48	TSOP	16Mb (2M × 8, 1M × 16) FLASH CMOS memory, 90ns acc	3.0V	S29AL016D90TFI020	SMD 120-1527●	6.14	5.65	5.13
29LV160	48	TSOP	16Mb (2M × 8, 1M × 16) FLASH CMOS memory, 90ns acc	3.0V	S29AL016D90TFI010	SMD 120-1528●	6.14	5.65	5.13
160	48	TSOP	16Mb (2Mb x 8, 1Mb x 16) FLASH CMOS memory, Bottom Boot Block, 70ns acc (IND TEMP)	3.0V	M29W160EB70N6E	SMD 109-9690●	9.50	7.55	6.28
160	48	TSOP	16Mb (2Mb x 8, 1Mb x 16) FLASH CMOS memory, Top Boot Block, 70ns acc (IND TEMP)	3.0V	M29W160ET70N6E	SMD 109-9691●	9.50	7.55	6.28
320	48	TSOP	32 Mb (2Mb x16) CMOS memory, Bottom Block, 70ns acc. (IND TEMP)	3.0V	M28W320FCB70N6E	SMD 109-9673●	12.89	10.55	7.75
320	48	TSOP	32 Mb (2Mb x16) CMOS memory, Top Block, 70ns acc. (IND TEMP)	3.0V	M28W320FCT70N6E	SMD 109-9674●	12.89	10.55	7.75
323	48	TSOP	32 Mb (4M x 8, 2M x 16, Dual Bank 8:24) FLASH CMOS memory, Bottom Boot Block, 70ns acc. (IND TEMP)	3.0V	M29DW323DB70N6E	SMD 109-9677●	12.89	10.55	7.75
320	48	TSOP	32 Mb (4Mb x 8 or 2Mb x 6) FLASH CMOS memory, Bottom Boot Block, 70ns acc (IND TEMP)	3.0V	M29W320DB70N6E	SMD 109-9697●	13.51	11.33	9.08
320	48	TSOP	32 Mb (4Mb x 8 or 2Mb x 6) FLASH CMOS memory, Bottom Boot Block, 70ns acc (IND TEMP)	3.0V	M29W320EB70N6E	SMD 109-9699●	13.51	11.33	9.76
323	48	TSOP	32 Mb (4Mb x8 or 2Mb x16, Dual Bank 8:24) FLASH CMOS memory, Top Boot Block, 70ns acc. (IND TEMP)	3.0V	M29DW323DT70N6E	SMD 109-9678●	12.89	10.55	7.75
320	48	TSOP	32 Mb (4Mb x 8 or 2Mb x 16) FLASH CMOS memory, Top Boot Block, 70ns acc (IND TEMP)	3.0V	M29W320DT70N6E	SMD 109-9698●	13.51	11.33	9.08
320	48	TSOP	32 Mb (4Mb x 8 or 2Mb x 16) FLASH CMOS memory, Top Boot Block, 70ns acc (IND TEMP)	3.0V	M29W320ET70N6E	SMD 109-9701●	13.51	11.33	9.08
29DL323	48	TSOP	32Mb (4M × 8, 2M × 16) , 3V only, Simultaneous operation FLASH CMOS memory, Top Sector 90ns acc	3.0V	S29JL032H90TFI310	SMD 120-1534●	14.24	13.10	11.89
29DL323	48	TSOP	32Mb (4M x 8, 2M X 16) , 3V only, Simultaneous operation FLASH CMOS memory, Bottom Sector 90ns acc	3.0V	S29JL032H90TFI320	SMD 120-1535●	14.24	13.10	11.89
640	48	TSOP	64 Mbit (4Mb x16, Boot Block) CMOS memory, Bottom Block, 70ns acc. (IND TEMP)	3.0V	M28W640FCB70N6E	SMD 109-9675●	28.58	23.83	18.33
640	48	TSOP	64 Mbit (4Mb x16, Boot Block) CMOS memory, Top Block, 70ns acc. (IND TEMP)	3.0V	M28W640FCT70N6E	SMD 109-9676●	28.58	23.83	18.33

Memory Modules/Non-Volatile RAMs

Non-Volatile CMOS RAMs with Battery Back-up

The ZEROPOWER NVRAM is a non-volatile RAM with internal lithium battery, directly replacing industry standard SRAMs.

Features:

- Power-fail control circuit
- Unlimited write cycles
- 10 years of data retention in power absence
- Pin and function compatible with standard SRAMs
- Automatic power-fail chip deselect and write protect

210796

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
4Z28	28	DIL	SNAPHAT® battery for the M48Z08/18 range	M4Z28-BR00SH1	688-344	9.49	7.26	– –	– –	– –
4Z32	—	—	SNAPHAT® lithium battery (130mAh) for ZEROPOWER® products and NVRAM controllers	M4Z32-BR00SH1	334-2268	14.13	10.81	– –	– –	– –
41ST84	16	SOIC	512-bit (64b × 8) Serial RTC with supervisory functions, 4.5 to 5.5V, I²C bus compatible, 56 Bytes of general purpose RAM, Century register, IND TEMP	M41ST84YMQ6	SMD 415-5725▲	11.00	9.82	8.95	– –	– –
41ST85	28	SOIC	512-bit (64b × 8) Serial RTC and NVRAM supervisor, 4.5 to 5.5V, I²C bus compatible, 44 Bytes of general purpose RAM, Century register, IND TEMP (requires SNAPHAT® Battery Crystal)	M41ST84YMQ6E	SMD 988-2880●	4.57	4.08	3.72	– –	– –
41T00	8	SOIC	Serial access TIMEKEEPER® Real-time Clock/Calendar, 2.0 to 5.5V, I2C bus compatible, Y2K compliant, IND TEMP	M41T00M6E	SMD 988-2634●	2.65	2.37	2.16	– –	– –
41T11	8	SOIC	512-bit (64b × 8) Serial access TIMEKEEPER® SRAM, 2.0 to 5.5V, I2C bus compatible, 56 Bytes of general purpose RAM, Century register, IND TEMP	M41T11M6E	SMD 988-2642●	2.95	2.63	2.40	– –	– –
41T11	28	SOIC	512-bit (64b × 8) Serial access TIMEKEEPER® SRAM, 2.0 to 5.5V, I2C bus compatible, 56 Bytes of general purpose RAM, Century register, IND TEMP (requires SNAPHAT® Battery & Crystal)	M41T11MH6E	SMD 975-5810●	8.31	7.42	6.77	– –	– –
41T56	8	SOIC	512-bit (64b × 8) Serial access TIMEKEEPER® SRAM, I2C bus compatible, 56 Bytes of general purpose RAM, Century register, 5.0V ±10%, IND TEMP	M41T56M6E	SMD 988-2650●	2.95	2.63	2.40	– –	– –
41T56	28	SOIC	512-bit (64b × 8) Serial access TIMEKEEPER® SRAM, I2C bus compatible, 56 Bytes of general purpose RAM, Century register, 5.0V ±10%, IND TEMP (requires SNAPHAT® Battery & Crystal)	M41T56MH6	SMD 334-2608▲‡	8.31	7.42	6.77	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
41T56	28	SOIC	512-bit (64b × 8) Serial access TIMEKEEPER® SRAM, I2C bus compatible, 56 Bytes of general purpose RAM, Century register, 5.0V ±10%, IND TEMP (requires SNAPHAT® Battery & Crystal)	M41T56MH6E	SMD 988-2669●	5.72	5.11	4.66	– –	– –
41T94	16	SOIC	512-bit (64 x 8) Serial RTC, 44 bytes of general purpose RAM , 2.7 to 5.5V, I²C bus compatible, IND TEMP.	M41T94MQ6.	SMD 415-5750▲	10.10	9.02	8.22	– –	– –
41T94	16	SOIC	512-bit (64 x 8) Serial RTC, 44 bytes of general purpose RAM , 2.7 to 5.5V, I²C bus compatible, IND TEMP.	M41T94MQ6E	SMD 109-4273●	10.10	9.02	8.22	– –	– –
48T02	24	DIL	16K (2K × 8) TIMEKEEPER® SRAM - 70ns, 5V +10%/-5%	M48T02-70PC1	975-5764●	26.17	22.72	21.10	– –	– –
48T37	44	SOIC		M48T37Y-70MH1	SMD 334-2530▲‡	33.05	28.70	26.16	– –	– –
48T37	44	SOIC		M48T37Y-70MH1E	SMD 988-2626●	24.05	21.47	19.40	– –	– –
48T58	28	SOIC	64K (8K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10% (requires SNAPHAT® battery & crystal)	M48T58Y-70MH1	SMD 334-2487▲‡	21.20	18.93	17.10	– –	– –
48T58	28	SOIC	64K (8K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10% (requires SNAPHAT® battery & crystal)	M48T58Y-70MH1E	SMD 988-2600●	15.42	13.77	12.44	– –	– –
48T58	28	DIL		M48T58Y-70PC1.	334-2499▲‡	44.61	38.74	35.30	– –	– –
48T58	28	DIL	64K (8K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10%	M48T58Y-70PC1	975-5772●	44.61	38.74	35.30	– –	– –
48T59	28	SOIC	64K (8K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10%, Watchdog, reset O/P, Alarms, Battery low Flag, Wake-up (requires SNAPHAT® Battery & Crystal)	M48T59Y-70MH1	SMD 334-2505▲‡	25.29	21.96	20.39	– –	– –
48T59	28	SOIC	64K (8K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10%, Watchdog, reset O/P, Alarms, Battery low Flag, Wake-up (requires SNAPHAT® Battery & Crystal)	M48T59Y-70MH1E	SMD 988-2618●	18.00	16.07	14.52	– –	– –
48T59	28	DIL	64K (8K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10%, Watchdog, reset O/P, Alarms, Battery low Flag, Wake-up	M48T59Y-70PC1	975-5780●	49.45	42.94	39.13	– –	– –
48T86	28	DIL	5V PC Real-time Clock, Drop-in replacement for PC Clock/Calendar, Pin and functionally compatible with DS128887, 1Kb (128bx8). Requires SNAPHAT® Battery & crystal	M48T86MH1	334-2621▲‡	7.07	6.31	5.75	– –	– –
48T86	28	DIL	5V PC Real-time Clock, Drop-in replacement for PC Clock/Calendar, Pin and functionally compatible with DS128887, 1Kb (128bx8). Requires SNAPHAT® Battery & crystal	M48T86MH1E	988-2677●	6.23	5.57	5.07	– –	– –
48T128	32	DIL	1M (128K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10% (integral Battery & Crystal)	M48T128Y-70PM1.	334-2542▲‡	79.54	70.87	65.80	– –	– –
48T128	32	DIL	1M (128K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10% (integral Battery & Crystal)	M48T128Y-70PM1	975-5799●	79.54	70.87	65.80	– –	– –
48T201	44	SOIC	TIMEKEEPER® Controller for up to 8 x 512K LPSRAMs, 70ns, 5V ±10%,Watchdog, Reset O/P, Alarms, Battery Low flag, Square Wave O/P, Century register (requires SNAPHAT® Battery and Crystal)	M48T201Y-70MH1	SMD 334-2244▲	20.58	18.37	16.59	– –	– –
48T201	44	SOIC	TIMEKEEPER® Controller for up to 8 x 512K LPSRAMs, 70ns, 5V ±10%,Watchdog, Reset O/P, Alarms, Battery Low flag, Square Wave O/P, Century register (requires SNAPHAT® Battery and Crystal)	M48T201Y-70MH1E	SMD 115-9688●	20.58	18.37	16.59	– –	– –
48T512	32	DIL	4M (512K × 8) TIMEKEEPER® SRAM - 70ns, 5V ±10% (integral Battery & Crystal)	M48T512Y-70PM1	975-5802●	154.75	141.74	131.61	– –	– –
48Z02	24	DIL	16K (2K × 8) ZEROPOWER® SRAM - 70ns, 5V +10%/-5%	M48Z02-70PC1.	334-2293▲‡	16.22	14.48	13.08	– –	– –
48Z02	24	DIL	16K (2K × 8) ZEROPOWER® SRAM - 70ns, 5V +10%/-5%	M48Z02-70PC1	975-5748●	16.22	14.48	13.08	– –	– –
48Z02	24	DIL	16K (2K × 8) ZEROPOWER® SRAM - 150ns Access	M48Z02-150PC1	975-6400●	20.02	17.20	13.38	– –	– –
48Z02	24	DIL	16K (2K × 8) ZEROPOWER® SRAM - 200ns Access	M48Z02-200PC1	975-6582●	19.01	16.33	12.71	– –	– –
48Z08	28	DIL	64K (8K × 8) ZEROPOWER® SRAM - 100ns Access VCC=4.75V to 5.5V	M48Z08-100PC1	975-6418●	35.49	28.60	23.11	– –	– –
48Z18	28	DIL	64K (8K × 8) ZEROPOWER® SRAM - 100ns Access VCC=4.5V to 5.5V	M48Z18-100PC1.	504-981▲‡	26.33	22.87	21.23	– –	– –
48Z18	28	DIL	64K (8K × 8) ZEROPOWER® SRAM - 100ns Access VCC=4.5V to 5.5V	M48Z18-100PC1	975-6426●	29.31	24.50	19.60	– –	– –
48Z35	28	SOIC		M48Z35Y-70MH1E	SMD 988-2588●	18.30	16.34	14.76	– –	– –
48Z35	28	SOIC		M48Z35Y-70MH6	SMD 334-2335▲‡	29.68	25.77	23.49	– –	– –
48Z35	28	SOIC		M48Z35Y-70MH6E	SMD 988-2596●	21.60	19.28	17.42	– –	– –
48Z35	28	DIL	256K (32K × 8) ZEROPOWER® SRAM - 70ns, 5V ±10%	M48Z35Y-70PC1	975-5756●	32.50	28.23	25.72	– –	– –
48Z58	28	DIL	64K (8K × 8) ZEROPOWER® CMOS SRAM - 70ns Access, VPFD <4.75V	M48Z58-70PC1	975-6590●	26.73	22.34	17.87	– –	– –
48Z58	28	DIL	64K (8K × 8) ZEROPOWER® CMOS SRAM - 70ns Access, VPFD <4.5V	M48Z58Y-70PC1	975-6604●	26.73	22.34	17.87	– –	– –
48Z128	32	DIL	1M (128K x 8) ZEROPOWER® CMOS SRAM - 70ns Access	M48Z128-70PM1.	395-6519▲	46.92	40.75	37.13	– –	– –
48Z129V32		DIL	1M (128K × 8) ZEROPOWER® SRAM - 70ns, 3.3V ±10%, Reset O/P, Battery Low O/P	M48Z129V-85PM1.	334-2451▲	56.87	51.63	47.05	– –	– –
48Z129V32		DIL	1M (128K × 8) ZEROPOWER® SRAM - 70ns, 3.3V ±10%, Reset O/P, Battery Low O/P	M48Z129V-85PM1	109-4274●	56.87	51.63	47.05	– –	– –

Non-Volatile CMOS RAMs with Battery Back-Up

MAXIM DALLAS SEMICONDUCTOR

Non-Volatile CMOS RAMs with battery back-up giving data retention of over 10 years during the absence of power. The automatic write protection prevents data corruption during power fluctuations.

Directly replaces Static RAM, EPROM or EEPROM.

210505

Part No.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
1220	24	DIL	16K (2K × 8) NonVolatile CMOS RAM - 150ns Access	DS1220Y-150	504-853▲	33.37	24.84	17.14
1220	24	DIL	16K (2K × 8) NonVolatile CMOS RAM - 200ns Access	DS1220Y-200	396-023▲	39.70	29.55	20.40
1225	28	DIL	64K (8K × 8) NonVolatile CMOS RAM - 150ns Access	DS1225Y-150	504-865▲	50.20	37.37	25.31
1225	28	DIL	64K (8K × 8) NonVolatile CMOS RAM - 150ns Access	DS1225Y-150+	122-4208●	40.18	31.52	30.22
1225	28	DIL	64K (8K × 8) NonVolatile CMOS RAM - 200ns Access	DS1225Y-200	396-035▲	41.63	30.98	21.39
1230	28	DIL	256K (32K × 8) NonVolatile CMOS RAM - 150ns Access	DS1230Y-150	504-877▲	55.57	45.14	30.58
1230	28	DIL	256K (32K × 8) NonVolatile CMOS RAM - 200ns Access	DS1230Y-200	396-047▲	50.74	37.77	25.58
1245	32	DIL	1Mb (128K × 8) NonVolatile CMOS RAM - 120ns Access	DS1245Y-120	505-122▲	81.52	62.25	42.97
1245	32	DIL	1Mb (128K × 8) NonVolatile CMOS RAM - 100ns Access	DS1245Y-100	344-1325▲	81.52	62.25	42.97
1345	34	—	1M (128K × 8) NonVolatile CMOS RAM with battery monitor (PowerCap module) - 70ns Access.	DS1345YP-70	SMD 119-611▲	73.35	56.01	38.66
1386	32	EDIP	256K (32K x 8) NonVolatile CMOS RAM with battery monitor (PowerCap Module) - 120ns Access.	DS1386-32-120	490-4552▲	99.81	71.46	59.55
1642	24	DIL	16K (2K × 8) NonVolatile Timekeeping CMOS RAM - 100ns Access	DS1642-100	315-3307▲	55.29	43.03	29.14
1643	28	DIL	64K (8K × 8) NonVolatile Timekeeping CMOS RAM - 100ns Access	DS1643-100	315-3319▲	57.00	42.43	28.74
1644	28	DIL	256K (32K × 8) NonVolatile Timekeeping CMOS RAM - 120ns Access	DS1644-120	787-164▲	75.49	57.65	39.79
1644	28	DIL	256K (32K × 8) NonVolatile Timekeeping CMOS RAM - 120ns Access	DS1644-120+	122-4209●	79.86	66.66	59.99
9034	—	—	PowerCap without crystal, snapon lithium power source for NonVolatile Timekeeping RAM-s,provides 10 year battery backup Compatible with DS1644/6 xxx PowerCap modules	DS9034PC	119-660	17.27	13.21	8.95
9034	—	—	PowerCap without crystal, snapon lithium power source for NonVolatile Timekeeping RAM-s,provides 10 year battery backupCompatible with DS1644/6 xxx PowerCap modules.	DS9034PCX	119-672	22.46	17.18	11.54

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

Farnell Page 1420 Date: 22-08-06 time: 00:00

Non-Volatile RAMs

GREENWICH INSTRUMENTS LTD

Each GR Series non-volatile RAM is a pin compatible drop-in replacement for a normal static RAM device. Data is protected by an automatic write inhibit function during power loss. The power down circuit is referenced at 4.5V. At this point the device is write protected and the memory contents are retained by the lithium power source. The rapid power down of 10µs and low standby power ensure no special considerations are required when using these devices. Data can be retained for up to 10 years.

The 'H' suffix indicates an extended temperature range of -40°C to +85°C.

	Pins/ Package	Description	Mftrs. List No.	Order Code	Price Each 1+	5+	10+
281	24/DIL	16K (2K × 8) Non-Volatile RAM - equivalent 6116, 100ns	GR281	**120-2099**	43.38	– –	– –
881	28/DIL	64K (8K × 8) Non-Volatile RAM - equivalent 6264, 100ns	GR881	**120-2100**	53.79	53.38	51.91
881	28/DIL	64K (8K × 8) Non-Volatile RAM - equivalent 6264, 100ns	GR881-H	**120-2103**	79.45	66.21	54.40
3281	28/DIL	256K (32K × 8) Non-Volatile RAM - equivalent 62256, 100ns	GR3281	**120-2101**	91.80	85.50	75.00
3281	28/DIL	256K (32K × 8) Non-Volatile RAM - equivalent 62256, 70ns	GR3281-7	**120-2105**	85.75	79.80	79.20
3281	28/DIL	256K (32K × 8) Non-Volatile RAM - equivalent 62256, 100ns	GR3281-H	**120-2104**	93.85	89.15	84.48
12883	32/DIL	1Mb (128K × 8) Non-Volatile RAM - equivalent 628128, 100ns	GR12883	**120-2102**	145.31	– –	– –

A non-volatile memory module which is pin compatible with normal 16K static RAM chips and offers immediate conversion to non-volatile memory of all or part of a system. It is able to retain data and survive power downs for up to 10 years.

222123

	Pins/ Package	Description	Mftrs. List No.	Order Code	Price Each 1+	3+	5+
2	24DIL	16K (2K × 8) Non-Volatile RAM 6116, 100ns	NVR2.	**396-126**	94.69	89.89	77.28
2	24DIL	16K (2K × 8) Non-Volatile RAM 6116, 100ns	NVR2	**120-2098**	94.69	89.89	77.28

Programmers & Emulators

GALEP-IV Pocket Multiprogrammer



This programmer measures 115mm x 80mm x 33mm, it fits into a pocket or technician's toolkit. It has a universal programming capability with a custom ASIC pin driver. It can program the most commonly used programmable devices such as EPROMS, EEPROMs, FLASH EPROMs, ZERO POWER RAMs, GAL's, PALCE's and microcontrollers with low voltage support to 1.3V.

Connection to a PC, laptop or notebook is via a supplied lead to the parallel port and power is supplied by six internal rechargeable NiMH AAA batteries (not supplied) or the supplied AC/DC adapter. The GALEP IV is easily operated via 'Pulldown' menus and dialogue boxes on the PC. LEDs give indication as to the status of the programmer. Around 8 hours continuous can be expected from one charge of the batteries.

This programmer uses flexible pin driver technology and pins are assigned by the software to be inputs or outputs with a flexible voltage range. To support new devices the latest software may be downloaded from the Internet.

Features:
- Pocket size: 115 x 80 x 33mm
- Easy PC connection via printer port
- Fast data transfer, e.g. 27C512 read and compare in 2 seconds
- Supports HEX, JEDEC and binary files
- Software supplied on CD-ROM
- Automatic split/shuffle feature for 8-bit, 16-bit or 32-bit targets
- Software runs under Windows 95/98, ME, NT or 2000
- Integrated HEX and fusemap editor
- Online device list update via Internet

Supported Devices: Over 1300 including 16-bit EPROMS, EEPROMS, Flash EPROMs, Serial EPROMS, GAL's, PALCE's, PIC Microcontrollers

210978

System requirements:
- 486/33MHz minimum
- Windows 95, 98, NT, ME, 2000
- 8MB RAM
- Printer port
- 800 x 600 Screen resolution

	Order Code	Price Each
GALEP-4 pocket programmer	**120-2535**	680.67
GALEP-4E pocket programmer	**120-2540**	666.89
28-32 pin adapter	**120-2536**	349.47

LEAPER-3C and LEAPER-3D Handy FLASH Writers

LEAP ELECTRONIC CO.,LTD.



LEAPER - 3C and LEAPER-3D are specially designed for FLASH series, integrating powerful hardware and software for high quality performance.

Features:
- Small, portable & usable with battery
- Two types of high efficient work mode: Standalone and PC based(3D is PC only)
- LCD display 16 X 2 characters
- Software contains type/read/check/program/verify/disk/help/process/parameter
- programming flow chart, voltage, pulse width & other parameters
- Powerful HEX/ASCII memory and fuse-map, test library and full screen edit
- Binary code, Intel HEX and 80/86 HEX supported
- Standard accessories are: USB port, DC 9V/500mA power adapter(not supplied), CD-ROM Containing driver and manual.

Supported Devices:
- EPROM: 27C/LV64 - 27C/LV080
- EEPROM: 27C64 - 28C040
- FLASH EPROM: 29C/LC256 - 29C/LC040, 29EE/LE/VE512 - 29EE/LE/VE020, 28F/LF/VF256 - 28F/LF/VF040, 29F010 - 29F040, 29F001 - 29F002, 39SF/VF512 - 39SF/VF040, 49BV/F512 - 49BV/F040, 49BV/F/LV001 - 49BV/F/LV002

Note: Power lead not included

312059

Mftrs. List No.	Order Code	Price Each
LEAPER-3C	**121-6747**	436.01
LEAPER-3D	**121-6748**	304.34

LEAPER-48 HANDY UNIVERSAL WRITER

LEAP ELECTRONIC CO.,LTD.



Features:
- High performance, low cost, small, light, portable and professional design
- Uses USB interface to link with PC
- Support low voltage components up to 2.5V user selectable verify voltage
- Support FLASH/EPROM device speedy programming function. Takes 30 seconds to process one piece of 16M bits FLASH memory.
- Universal converters for virtually all devices in one package
- Auto detect and contact check on device pin insertion, powerful graph showing Device situation.
- Device socket 48-pin ZIF socket accepts both 200 - 600 mil DIP devices up to 48 pins
- Standard accessories are; USB cable, Operation software on CD - ROM, DC 12V/2A Adaptor(not supplied)

Supported Devices:
- EPROMs, EEPROMs, FLASH EPROMs, Serial E/EPROMs, NV RAMs, Microcontrollers, DSP, PLDs

Note: Power lead not included

311741

Mftrs. List No.	Order Code	Price Each
LEAPER-48	**121-6746**	768.18

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1421 Date: 22-08-06 time: 00:00

Superpro 3000U

Ultra Fast 48-Pin Stand-Alone and USB interfaced Universal Device Programmer

XELTEK

NEW



Features:

- A fast, low-cost programmer designed to program high-density Flash memory devices at a near theoretical minimum programming time
- User-friendly, powerful software
- Standard universal 48-pin drivers support devices down to 1.5V
- Advanced hardware design minimises ground bounce noise
- Designed for multi-applications with three modes of operation supported - PC hosted operation for R&D and Engineering, Stand-alone operation for manufacturing or service, Terminal mode to operate via an external instrument such as IC handler (Requires optional flash card)
- Over-current and over-voltage protection for satety of the chip and programmer hardware, also pin continuity and wrong chip insertion check to prevent accidental damage
- Optional expansion module for programming devices up to 100-pins

Specifications:

- Devices Supported include - EPROM, EEPROM, FPGA, FLASH Memory, Firmware HUB, Microcontroller, MCU, Standard Logic
- Socket Adaptors Supported include - DIP, PLCC, SOIC, TQFP, SOP, TSSOP, SON etc.
- Compatible with Windows 98/Me/NT/2000/XP via USB connection

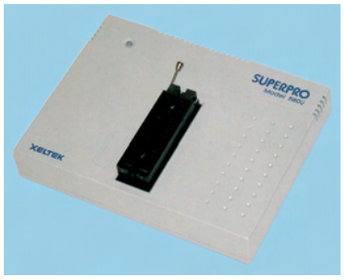
382664

	Mftrs. List No.	Order Code	Price Each
Universal Device Programmer	SUPERPRO 3000U	**907-9858▲**	1,881.36
Expansion Module for Superpro 3000U	PEP 3000	**907-9890▲**	558.43

Superpro 580U

Advanced Compact Universal Programmer

XELTEK



Features:

NEW

- Programs high-density Flash memory devices at near theoretical minimum programming times
- Standard 48-pin universal pin-drivers come with universal package adapters to support all types of devices in the same package with the same adapter
- Low voltage devices down to 1.8V are supported directly
- Supports devices including EPROM, EEPROM, FLASH Memory, PIC, AVR and other popular Microcontrollers and PLD's
- Over-current and over-voltage protection for for programmer hardware
- Pin continuity and wrong chip insertion checks prevent accidental damage to chips
- Operator friendly control software combines many powerful functions with ease of use
- Compatible with Windows 98/Me/NT/2000/XP via printer port

382668

	Mftrs. List No.	Order Code	Price Each
Universal Programmer	SUPERPRO 580U	**907-9866▲**	1,302.52

Product Watch
obsolescence notification

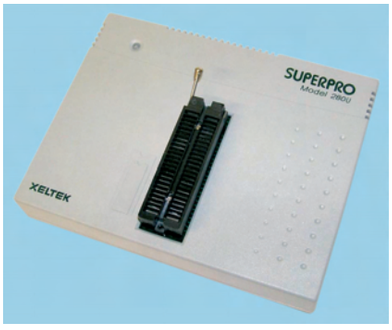
- FREE to all account holders
- Notification of obsolete, end of line and end of stock items
- Replacement or upgrade recommendations

Advanced warning of obsolete components

Superpro 280U

48-Pin Low-Cost Advanced Universal Programmer

XELTEK



Features:

NEW

- High programming speed
- High speed CPU, accurate/reliable algorithm timing
- Standard 48-pin universal pin-drivers come with universal package adapters to support all types of devices in the same package with the same adapter
- Low voltage devices down to 1.8V are supported directly
- Supports devices including EPROM, EEPROM, FLASH Memory, PIC, AVR and other popular Microcontrollers and PLD's
- Pin continuity and wrong chip insertion checks prevent accidental damage to chips
- Tests standard logic devices and SRAM
- Compatible with Windows 98/Me/NT/2000/XP via printer port

382672

	Mftrs. List No.	Order Code	Price Each
Universal Programmer	SUPERPRO 280U	**907-9874▲**	1,037.76

Superpro Z

40-Pin Low Cost Universal Programmer

XELTEK



Features:

NEW

- High speed programming, cost effective hardware and flexible software
- Supports devices including most EPROM, EEPROM and FLASH etc.
- Compatible with PC, Laptop etc. via Printer Port inerface
- Allows load and save file in binary, Intel (extended) Hex or Tektronics (extended) Hex format. Multiple load, format conversion, relocation etc.
- Uses a 40-pin ZIF device socket
- Test standard logic and SRAM

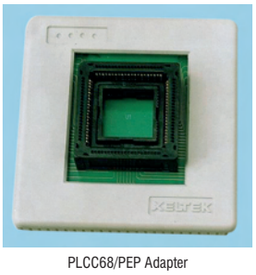
382673

	Mftrs. List No.	Order Code	Price Each
Universal Programmer	SUPERPRO Z	**907-9882▲**	470.80

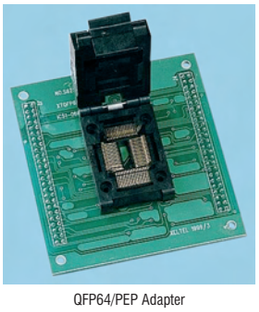
Socket Adapters

A selection of the Adapters available:

XELTEK



PLCC68/PEP Adapter



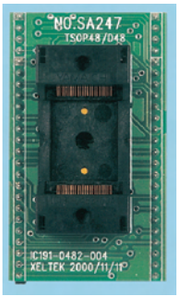
QFP64/PEP Adapter

● Compliant
◀ Non-compliant
++ Limited stock - RoHS replacement available

RoHS

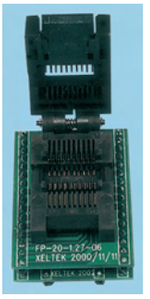
C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1422 Date: 22-08-06 time: 00:00



TSOP48/D48 Adapter

NEW



SOIC20/D20 Adapter

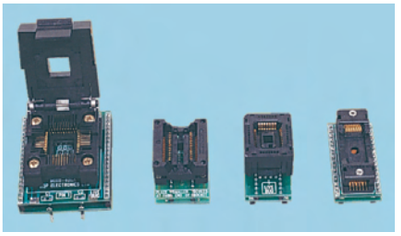
The following adapters are compatible with selected Xeltek Universal Programmers.

402430

	Mftrs. List No.	Order Code	Price Each
Compatible with SP280U, 580U, 3000U, 8000-CE			
PLCC20/D20 Adapter	SA001A	**907-9904▲**	133.92
PLCC28/D28 Adapter	SA008A	**907-9912▲**	161.51
PLCC32/D32 Adapter	SA015A1T	**907-9920▲**	180.42
PLCC44/D44 Adapter	SA244	**907-9939▲**	207.93
PLCC52/PEP Adapter	S415T	**907-9947▲**	226.81
PLCC52/D48 Adapter	SA647-B5201	**907-9955▲**	226.81

	Mftrs. List No.	Order Code	Price Each
Compatible with SP280U, 580U, 3000U, 8000-CE			
PLCC68/PEP Adapter	S414T	**907-9963▲**	245.72
PLCC84/PEP Adapter	S416T	**907-9971▲**	274.92
QFP32/D32 Adapter	SA636	**907-9980▲**	356.38
QFP44/D44 Adapter	SA675	**907-9998▲**	339.12
QFP64/PEP Adapter	S616	**908-0007▲**	463.90
QFP64/PEP Adapter	S621	**908-0023▲**	463.90
QFP64/PEP Adapter	S625A	**908-0031▲**	463.90
QFP64/PEP Adapter	S618	**908-0040▲**	463.90
QFP80/PEP Adapter	S615B	**908-0058▲**	482.81
QFP80/PEP Adapter	S611A	**908-0066▲**	482.81
QFP100/PEP Adapter	S427A	**908-0074▲**	501.73
TSOP24/D24 Adapter	SA026A	**908-0082▲**	180.42
TSOP48/D48 Adapter	SA247	**908-0120▲**	331.62
SSOP34/D34 Adapter	SA626A	**908-0139▲**	256.04
SOP32/D32 Adapter	SA438T	**908-0147▲**	237.13
SOIC16/D16 Adapter	SA602	**908-0155▲**	161.51
SOIC20/D20 Adapter	SA023A	**908-0163▲**	256.04
SOIC28/D28 Adapter	SA404	**908-0171▲**	180.42
SOIC32/D32 Adapter	SA603	**908-0180▲**	256.04
Compatible with SPZ			
TSOP32/D32 Adapter	SA410T	**908-0090▲**	293.80
TSOP40/D40 Adapter	SA409T	**908-0104▲**	293.80
TSOP40/D40 Adapter	SA623	**908-0112▲**	426.11

Programming Adaptors



479-860 479-871 479-810 479-925

A selection of the most popular adapters to suit the varied package styles of ICs, these adapters are generally used when converting from a Dual-In-Line (DIL) to a Surface Mount Device (SMD) style.

A typical example of an application would be to program an EPROM or microcontroller in a PLCC style surface mount package, from a programmer which has only a Dual-In-Line style ZIF socket on board.

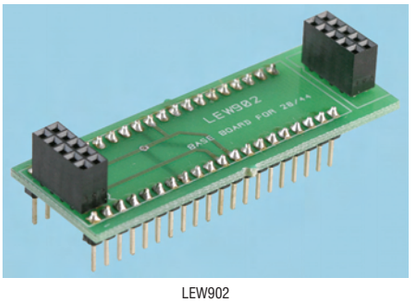
The associated programmer to which the adapter is intended to be used on is listed, this is to ensure compatibilty between the parts.

210644

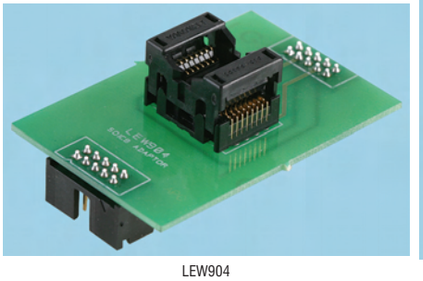
Mftrs List No.	Programmer Socket Side	Device Package Side	Specific Programmer Type or Application	Order Code	Price Each 1+	Price Each 10+
LEW08	8 pin DIL	8 pin SOIC	8 pin SOIC to DIL for PICs	**698-180**	192.57	– –
LEW14	14 pin DIL	14 pin SOIC	14 pin SOIC to DIL for PICs	**113-554**	192.57	– –
MEL-8SOICFR	18 pin DIL	8 pin SOIC	EPIC Plus Programmer	**116-830**	157.91	– –
MEL-18SOICFR	18 pin DIL	18 pin SOIC	EPIC Plus Programmer	**116-841**	157.91	– –
LP-PLCC-20PIN(AA001).	20 pin DIL	20 pin PLCC	20-pin PLCC MPU/PLD	**767-0184**	110.03	– –
LP-PLCC-20PIN(AA001)	20 pin DIL	20 pin PLCC	20-pin PLCC MPU/PLD	**121-6749●**	109.27	– –
LEW18/28	28 pin DIL	18/28 SOIC	18/28 pin SOIC to DIL for PICs	**698-179**	209.20	– –
AD67.	28 pin DIL	28 pin SOIC	18/28 pin PIC Micros	**479-871**	186.18	170.13
AD62.	28 pin DIL	32 pin PLCC	64K-512K OTP EPROM	**479-913**	272.85	256.80
AD50.	28 pin DIL	32 pin PLCC	64K-512K OTP EPROM (gang compatible)	**479-834**	157.29	141.24
210845	28 pin DIL	32 pin PLCC	Galep-4 Pocket Multiprogrammer	**120-2538●**	349.47	– –
AD63.	32 pin DIL	32 pin PLCC	1M-8M OTP EPROM/FLASH	**479-901**	272.85	256.80
AD51.	32 pin DIL	32 pin PLCC	1M-8M OTP EPROM (gang compatible)	**479-810**	157.29	141.24
LP-SOP-32PIN(AB009).	32 pin DIL	32 pin SOP	32-pin SOP SRAM/EPROM	**767-0192**	126.14	– –
LP-SOP-32PIN(AB009)	32 pin DIL	32 pin SOP	32-pin SOP SRAM/EPROM	**121-6750●**	125.25	– –
AD48.	32 pin DIL	32 pin TSOP	FLASH Memory (gang compatible)	**479-925**	218.28	202.23
AD48	32 pin DIL	32 pin TSOP	FLASH Memory (gang compatible)	**121-7295●**	221.99	205.65
210841	40 pin DIL	44 pin PLCC	Galep-4 Pocket Multiprogrammer	**120-2537●**	349.47	– –
AD44.	40 pin DIL	44 pin PLCC	16-bit OTP EPROM	**479-858**	288.90	272.85
LP-SOP-44PIN(AB011).	44 pin DIL	44 pin SOP	44-pin SOP MPU/EPROM/FLASH	**767-0206**	163.72	– –
LP-SOP-44PIN(AB011)	44 pin DIL	44 pin SOP	44-pin SOP MPU/EPROM/FLASH	**121-6751●**	162.55	– –
LP-TSOP-48PIN(AE403).	48 pin DIL	48 pin TSOP	48-pin TSOP Leaper 48	**767-0222**	228.12	– –
LP-TSOP-48PIN(AE403)	48 pin DIL	48 pin TSOP	48-pin TSOP Leaper 48	**121-6753●**	226.52	– –
AD45.	40 pin DIL	44 pin PLCC	87C51 Family (OTP)	**479-860**	288.90	272.85
PLCC-PROG	40 pin DIL	44 pin PLCC	44 pin PLCC socket module for PICs	**797-005**	186.19	– –
AC164024	40 pin DIL	68 pin PLCC	68 pin PLCC socket module for PICs	**306-0809**	240.49	– –

Lewmax Socket Adapters

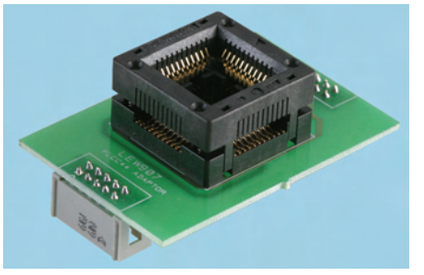
Lewmax



LEW902



LEW904

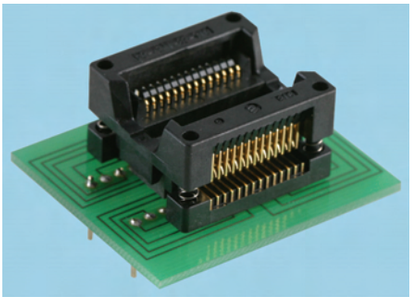


LEW907

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1423 Date: 24-08-06 time: 14:29



LEW300

This range of socket adapters is designed to fit any ZIF socket based programming platform and enhance these platforms to be able to program virtually the complet range of package styles available for the PIC microcontroller families.

NEW

A base board and adapter board is required to program almost any PIC12, PIC16 or PIC18 microcontroller. The base board fits into the ZIF socket of the programmer. There are two of these available, both of which have quality board-to-board IDC connectiors for quick and reliable connection of the desired device package adapter top board. These adapter boards cover a widse range of package types.
This group of adapters works with a large range of programming platforms. Microchips ICD2, PICStart Plus and Promate Sytems are supported, plus Dataman, Stag, AVR, ST6 and BP Microsystems etc.

414215

Mftrs List No.	Description	Order Code	Price Each
LEW901	Base Board for support of all package types of 20 pins or less	973-6573	70.28
LEW902	Base Board for support of all package types of 28 pins or more	973-6581	70.28
LEW903	Device adapter board for 8-pin SN (narrow body SMT package) and 14-pin SL (narrow body SMT package). Requires LEW901 base board	973-6590	160.67
LEW904	Device adapter board for 8-pin SM (wide body SMT package). Requires LEW901 base board	973-6603	160.67
LEW905	Device adapter board for 18-pin SO package. Requires LEW901 base board	973-6611	160.67
LEW906	Device adapter board for 28-pin SO package. Requires LEW902 base board	973-6620	160.67
LEW907	Device adapter board for 44-pin PLCC package. Requires LEW902 base board	973-6638	160.67
LEW908	Device adapter board for 14-pin TSSOP package. Requires LEW901 base board	973-6646	210.89
LEW909	Device adapter board for 20-pin SSOP package. Requires LEW901 base board	973-6654	210.89
LEW910	Device adapter board for 28-pin SSOP package. Requires LEW902 base board	973-6662	210.89
LEW911	Device adapter board for 44-pin TQFP package. Requires LEW902 base board	973-6689	281.20
LEW300	300mm, 16 to 28-pin SOIC adapter. Can be used with most programmers with DIL ZIF Sockets.	973-6697	175.77

U-V Eraser – LER-121A



FOR SPARE LAMPS SEE **178-938**

- Medium capacity:
  12 x 24 pin,
  9 x 28 pin, 9 x 40 pin
- 0–60 minute timer
- Power-on indicator
- Safety power-off interlock on drawer
- Rapid Electronic Start (no starter required)
- Dims L=240, W=85, H=95mm
- UV Tube=134mm
- Requies 9 VDC 500mA power adapter

227431

	Order Code	Price Each
LER-121A.U-V Eraser	355-0655	224.97
LER-121AU-V Eraser	121-7540	224.97
	117-6601	26.78

U-V Erasers

Lawtronics



A range of robust production EPROM erasers. All units are fitted with a safety interlock to prevent exposure to ultraviolet light. The drawers are supplied with metal racks for DIL packages and high density anti-static, foam for surface mount or specialist devices. All erasers offer on-board erasure and all except the ME5E are fitted with a timer.

	ME5E	ME5	ME15	ME30
Capacity 24 pin DIL	5	5	15	30
Capacity 28 pin DIL	5	5	15	30
Capacity 40 pin DIL	5	5	15	15
Board erasing area	150 x 60	150 x 60	250 x 40	250 x 70
60 Minute timer	NO	YES	YES	YES
Elapse timer	NO	NO	NO	YES
Erase indicators	YES	YES	YES	YES
Fan cooled	NO	NO	NO	NO
Storage drawer	NO	NO	NO	NO
Lamp fail indicator	NO	NO	NO	YES
No. of tubes	1	1	1	2

Units specified to 220/240V. Mains leads available separately.

210648

	Order Code	Price Each 1+	3+	6+
ME5E EPROM eraser	120-2180	261.00	242.73	– –
ME5 EPROM eraser	120-2179	377.25	342.47	316.12
ME15 EPROM eraser	120-2177	529.95	480.42	478.49
ME30 EPROM eraser	120-2178	864.99	804.45	– –
		1+	25+	50+
UK mains plug lead	112-4400	17.60	16.26	14.25
Australia/NZ Mains Lead	318-5928	10.47	9.24	8.04

Ultra-Violet Lamps



A range of ultra-violet discharge tubes for use with the Lawtronic range of erasers.

210649

Eraser	Length	Dia.	Order Code	Price Each
ME5/ME5E/ME10	134	15	178-938	48.03
ME15/30/90	287	15	178-570	50.04
ME200	436	25	178-571	65.10

8-Bit Microprocessor ICs

PK-HCS08GB60 Starter Kit

SofTec MICROSYSTEMS
Development Tools for the Embedded World



The PK-HC08GB60 Starter Kit is an entry level tool which allows the designer to get started with the evaluation of the Freescale Semiconductor MC9S08GB60 microcontroller.
Together with CodeWarrior, PK-HC08GB60 provides the designer with everything required to write, compile, download, in-circuit emulate and debug user code. Full speed program execution means hardware and software testing can be performed in real time.

PK-HCS08GB60 offers the following benefits:

- Real-time code execution
- In-circuit debbugging
- In-system programming and debbuging through a BDM-compatible interface
- Demo area with push-buttons, potentiometer and user LEDs
- Prototyping area
- Metrowerks CodeWarrior IDE (the same inerface of all Freescale Semiconductor tools), with editor, assembler, C compiler and debbugger

368447

Mftrs. List No.		Order Code	Price Each
PK-HCS08GB60	Starter Kit for Freescale (Motorola) MC9S08GB60	752-4439	251.05

● Compliant
● Non-compliant
◀ ++ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1424 Date: 22-08-06 time:00:01

inDART-HC08/XX - Design Kit for Freescale Semiconductor MC68HC908XX(USB)

SofTec MICROSYSTEMS Development Tools for the Embedded World

- Real-Time Code Execution & In-Circuit Debugging
- Built-In FLASH Programmer
- In-System Programming and Debugging through a MON08-Compatible Interface
- Metrowerks CodeWarrior IDE, with Editor, Assembler, C Compiler and Debugger
- USB Connection to the Host PC
- Includes inDART-HC08/D + Evaluation Board with a Sample MC68HC908XX Microcontroller

368450

inDART-HC08/XX is a powerful entry-level Design Kit for Freescale Semiconductor HC08-based systems. It includes an in-circuit debugger/programmer and a derivative-specific evaluation board. inDART-HC08/XX takes advantage of the Metrowerks CodeWarrior Integrated Development Environment (which groups an Editor, Assembler, C Compiler and Debugger) and the Freescale Semiconductor's MON08 interface, which allows the download of the user application into the microcontroller FLASH memory. Together with CodeWarrior, inDART-HC08/XX provides designer with everything needed to write, compile, download, in-circuit emulate and debug user code.

Features & Benefits:

Mftrs. List No.		Order Code	Price Each
INDART-HC08/JL	Design kit for MC68HC908JL (USB)	**752-4471**	614.50
INDART-HC08/JK	Design kit for MC68HC908JK (USB)	**752-4480**	767.06
INDART-HC08/GZ	Design kit for MC68HC908GZ/GR (USB)	**752-4501**	746.46
INDART-HC08/QY	Design kit for MC68HC908QY (USB)	**752-4528**	746.46

RENESAS

210780

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
64180	64	DIL	8-bit CMOS High Integration CPU, 68 family compatible - 6MHz	HD64180R1P6	**120-2097** ●	24.89	20.29	18.33	15.45	– –
64180	64	DIL	8-bit CMOS High Integration CPU, 68 family compatible - 8MHz	HD64180R1P8	**120-2095** ●	33.78	23.94	20.31	15.21	– –

68HC705/805

freescale semiconductor

210730

Mftrs. List No.	RAM bytes	EPROM bytes	TIMER	I/O	SERIAL	A/D	PWN	Pins/ Package	Order Code	Price Each 1+	25+	100+	250+
MC705P6ACPE	176	4500	16BIT	21	SIOP	4CH/8BIT		28DIP	**120-0548** ●	9.76	7.00	6.42	5.52
MC68HC705C8ACFN	176	8000	16BIT	31	SCI & SPI			44PLCC	SMD **639-023** ▲	16.16	12.06	10.97	– –
MC68HC705C8ACFNE	176	8000	16BIT	31	SCI & SPI			44PLCC	SMD **120-0544** ●	16.16	12.06	10.97	– –
MC68HC705C8ACP	176	8000	16BIT	31	SCI & SPI			40DIP	**639-035** ▲	16.16	12.06	10.97	– –
MC705C8ACPE	176	8000	16BIT	31	SCI & SPI			40DIP	**120-0545** ●	16.16	12.06	10.97	– –
MC68HC705J1ACPE	64	1200	15stage	14				20DIP	**120-0547** ●	6.38	4.71	4.32	3.71

MC9S08QG 8-bit Microcontrollers

freescale semiconductor

NEW

A range of low pin-count, small package 8-bit microcontrollers. The OG devices are low-voltage, with on-chip in-circuit Flash programmable memory down to 1.8V. Features include wait mode, multiple stop modes, a temperature sensor and robust memory options. The microcontrollers also have a 10-bit ADC, 2-channel 16-bit timers, a comparator, and I²C, SPI and SCI Interfaces.

Applications:

- Wireless sensor applications
- Watchdog Compressors
- Handheld devices
- Security Systems
- Secure boot coprocessors

418855

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
9S08	8	NSOIC	8-bit MCU, 4K Flash, 256 bytes RAM - 10MHz	MC9S08QG4CDNE	SMD **102-4055** ●	4.65	3.90	3.12
9S08	16	TSSOP	8-bit MCU, 4K Flash, 256 bytes RAM - 10MHz	MC9S08QG4CDTE	SMD **102-4052** ●	4.98	4.14	3.30
9S08	16	QFN	8-bit MCU, 4K Flash, 256 bytes RAM - 10MHz	MC9S08QG4CFFE	SMD **102-4053** ●	5.07	4.20	3.36
9S08	8	DFN	8-bit MCU, 4K Flash, 256 bytes RAM - 10MHz	MC9S08QG4CFQE	SMD **102-4054** ●	4.74	3.93	3.15
9S08	8	DIL	8-bit MCU, 4K Flash, 256 bytes RAM - 10MHz	MC9S08QG4CPAE	**102-4056** ●	4.59	3.84	3.06
9S08	8	NSOIC	8-bit MCU, 8K Flash, 512 bytes RAM - 10MHz	MC9S08QG8CDNE	SMD **102-4051** ●	4.92	4.08	3.27
9S08	16	TSSOP	8-bit MCU, 8K Flash, 512 bytes RAM - 10MHz	MC9S08QG8CDTE	SMD **102-4046** ●	6.88	4.94	4.52
9S08	16	QFN	8-bit MCU, 8K Flash, 512 bytes RAM - 10MHz	MC9S08QG8CFFE	SMD **102-4047** ●	5.31	4.41	3.54
9S08	8	DFN	8-bit MCU, 8K Flash, 512 bytes RAM - 10MHz	MC9S08QG8CFQE	SMD **102-4049** ●	4.95	4.11	3.30
9S08	16	DIL	8-bit MCU, 8K Flash, 512 bytes RAM - 10MHz	MC9S08QG8CPBE	**102-4044** ●	6.40	4.59	4.21

M68HC05 In-Circuit Simulator Kits

freescale semiconductor



Freescale Semiconductor's Programmer/In-Circuit Simulator (ICS) kits help develop and debug target systems incorporating members of the 68HC05 microcontroller family. The kits provide an interface to users target system for Windows based editing, assembly, software simulation, programming and in-circuit simulation. The inputs/outputs of the target can be used during code simulation.

Features:

- Windows based Integrated Development Environment (IDE) with editor, assembly, debugger and simulator - runs under Wins 3x and '95
- Programs EPROM, OTP, or EEPROM microcontrollers
- MCU samples
- Serial cable (PC to ICS)
- Power Supply
- MCU technical databook
- Software/Hardware user's manual
- Applications guide
- 68HC05 CD-ROM

210830

	Order Code	Price Each
M68ICS05B Design-in kit for 68HC705B16 devices	**111-521**	202.23
M68ICS05C Design-in kit for 68HC705C8A/9A devices	**111-533**	202.20

68HC08 Flash Microcontrollers

freescale semiconductor

The Freescale Semiconductor 68HC08 Flash Microcontroller family combines a proven, high-performance 8-bit processing core with the semiconductor industry's most flexible and cost-effective embedded Flash technology. The range meets the needs of most 8-bit microcontroller applications, with derivatives including powerful timers, high-accuracy analogue peripherals and advanced serial communications interfaces such as CAN and USB.

The heart of the 68HC08 microcontroller is the CPU08 processing core. This CISC architecture CPU runs at bus speeds of up to 8MHz, with a minimum instruction cycle time of 125ns. It provides functions such as hardware multiply and divide, as well as powerful data handling capabilities. The advanced addressing modes and linear address space make programming in either assembler or "C" much more straightforward and efficient than in most RISC architecture microcontrollers.

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1425 Date: 22-08-06 time: 00:02

239865

flash (bytes)	ram (bytes)	EE-PROM (bytes)	Timer	A/D Channel/ Bits	Osc. Type	Pins/ Package	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
8192		—	2-channel 16-bit	/ 8	R / C	28 / SOIC	MC908JB8ADWE	**114-8431**	5.50	4.59	3.68
1.5K	128	—	2-channel 16-bit	10 / 8	R / C	20 / SOIC	MCR908JK1ECDWE	SMD **120-0530**	5.93	3.44	3.22
0		—	2-channel 16-bit	/ 8	XTAL	20 / DIL	MC68HC908JB8JPE	**114-8404**	5.63	4.69	3.74
32 K	512	—	Dual 2-channel 16-bit Time Base Module	8 / 8	XTAL	40 / DIL	MC908GP32CPE	**120-0519**	17.97	13.75	12.54
32 K	512	—	Dual 2-channel 16-bit Time Base Module	8 / 8	XTAL	44 / QFP	MC908GP32CFBE	SMD **120-0521**	17.97	13.75	12.54
32 K	512	—	Dual 2-channel 16-bit Time Base Module	8 / 8	XTAL	42 / DIL	MC908GP32CBE	**120-0520**	18.07	13.83	12.61
16K		—	Dual 2-channel 16-bit Time Base Module	/ 8	XTAL	56 / DIL	MC908MR16CBE	**114-8449**	16.70	13.93	11.13
7680		—	Dual 2-channel 16-bit Time Base Module	/ 8	XTAL	44 / QFP	MC908GT8CFBE	**114-8429**	12.99	10.84	8.66
7680		—	Dual 2-channel 16-bit Time Base Module	/ 8	XTAL	42 / DIL	MC908GT8CBE	**114-8428**	12.99	10.84	8.66
15,872 byte		—	Dual 2-channel 16-bit Time Base Module	/ 8	XTAL	44 / QFP	MC908GT16CFBE	**114-8427**	16.70	13.93	11.13
4K	384	—	2-channel 16-bit 1 Channel 16-bit Time Base Module	6 / 8	XTAL	28 / DIL	MC908GR4CPE	**120-0522**	10.67	6.19	5.80
61440		—	2-channel 16-bit 1 Channel 16-bit Time Base Module	/ 8	XTAL	64 / QFP	MC908AZ60ACFUE	**114-8420**	32.48	27.08	21.65
8192		—	2-channel 16-bit 1 Channel 16-bit Time Base Module	/ 8	XTAL	32 / LQFP	MCHC908MR8CFAE	**114-8493**	13.38	11.13	8.92
15872		—	2-channel 16-bit 1 Channel 16-bit Time Base Module	/ 8	XTAL	42 / DIL	MC908GT16CBE	**114-8426**	16.70	13.93	11.13
256K		—	2-channel 16-bit 1 Channel 16-bit Time Base Module	/ 8	XTAL	80 / QFP	MC9S12A256CFUE	SMD **116-5784**	41.53	34.60	27.70
4096		—	2-channel 16-bit 1 Channel 16-bit Time Base Module	/ 8	XTAL	28 / SOIC	MC908GR4CDWE	**114-8422**	8.37	6.97	5.57
2K	128	—	2-channel 16-bit Time Base Module	4 / 8	XTAL	16 / DIL	MC908KX2CPE	**120-0524**	9.25	5.36	5.03
2K	128	—	2-channel 16-bit Time Base Module	4 / 8	XTAL	16 / SOIC	MC908KX2CDWE	SMD **120-0523**	9.25	5.36	5.03
8K	128	—	2-channel 16-bit Time Base Module	4 / 8	XTAL	16 / DIL	MC908KX8CPE	**120-0527**	9.46	7.06	6.49
8K	128	—	2-channel 16-bit Time Base Module	4 / 8	XTAL	16 / SOIC	MC908KX8CDWE	SMD **120-0526**	11.01	7.18	6.77
7680		512	Dual 4-channel 16-bit Time Base Module	/ 8	XTAL	28 / DIL	MC908GR8CPE	**114-8425**	12.27	10.22	8.17
4096		1024	6-channel 16-bit	/ 8	XTAL	28 / DIL	MC908JL3ECPE	**114-8439**	7.81	6.51	5.21
64Kbyte		—	Dual 2-channel 16-bit	/ 10	XTAL	80 / QFP	MC9S12DG256CFUE	SMD **116-5792**	41.24	32.34	30.46
8K	256	—	Dual 2-channel 16-bit	7 / 10	XTAL	28 / SOIC	MC908MR8CDWE	SMD **120-0529**	14.69	9.58	9.03
32768		—	4-channel 16-bit 2-channel 16-bit	/ 10	XTAL	64 / QFP	MC908MR32CFUE	**114-8452**	22.46	18.72	14.97
16128		—	4-channel 16-bit 2-channel 16-bit	/ 10	XTAL	64 / QFP	MC908MR16CFUE	**114-8451**	16.70	13.93	11.13
256K		—	4-channel 16-bit 2-channel 16-bit	/ 10	XTAL	112 / LQFP	MC9S12A256CPVE	SMD **116-5785**	35.36	27.31	24.86
32 K	768	—	4-channel 16-bit 2-channel 16-bit	10 / 10	XTAL	56 / DIL	MC908MR32CBE	**120-0528**	21.81	15.69	14.27
8192		—	2-channel 16-bit	—	XTAL	44 / QFP	MC908JB8FBE	**114-8432**	6.35	5.31	4.23
7680		—	2-channel 16-bit	—	XTAL	32 / LQFP	MCHC908GR8CFAE	**114-8488**	12.27	10.22	8.17
32768		—	2-channel 16-bit	—	XTAL	64 / QFP	MC908AB32CFUE	**114-8409**	22.10	18.42	14.75

68HC08Qx Microcontrollers

Launched by Motorola freescale semiconductor

The 908QT and 908QY ranges are members of the high-performance M68HC08 family of 8-bit MCUs. The M68HC08 family is a CISC, uses the enhanced CPU08.

Features include:

- Upward compatible object code with M68HC05 family
- 8MHz operation
- 5V and 3V operation
- Trimmable internal oscillator
- In-System FLASH Programming
- 128 bytes RAM
- 2-channel, 16-bit timer interface module
- Upto 13 I/O for 8-pin devices
- 8 extra I/Os on 16-pin devices
- 80°C to -40°C operating temperature

Mftrs. List No.	FLASH Memory Size	ADC	Pins / Package
MC68HC908QT1CP	1.5K		8 / DIL
MC68HC908QT1CDW	1.5K		8 / SOIC
MC68HC908QT2CP	1.5K		8 / DIL
MC68HC908QT2CDW	1.5K		8 / SOIC
MC68HC908QT4CP	4K		8 / DIL
MC68HC908QT4CDW	4K		8 / SOIC
MC68HC908QY1CP	1.5K		16 / DIL
MC68HC908QY1CDW	1.5K		16 / SOIC
MC68HC908QY2CP	1.5K		16 / DIL
MC68HC908QY2CDW	1.5K		16 / SOIC
MC68HC908QY4CP	4K		16 / DIL
MC68HC908QY4CDW	4K		16 / SOIC

239916

Mftrs. List No.	Order Code	Price Each 1+	25+	100+
MC908QT1ACPE	**120-0531**	3.35	2.54	2.02
MC908QT1ACDWE	SMD **120-0532**	3.35	2.54	2.02
MC908QT2ACPE	**120-0533**	4.00	3.06	2.41
MC908QT2ACDWE	SMD **120-0534**	3.96	2.84	2.61
MC908QT4ACPE	**120-0535**	4.88	3.68	2.93
MC908QT4ACDWE	SMD **120-0536**	4.67	3.35	3.07
MC908QY1ACPE	**120-0538**	3.78	2.86	2.25
MC908QY1ACDWE	SMD **120-0539**	3.78	2.86	2.25
MC908QY2ACPE	**120-0540**	4.46	3.35	2.67
MC908QY2ACDWE	SMD **120-0541**	4.46	3.35	2.67
MC908QY4ACPE	**120-0542**	5.74	3.33	3.12
MC908QY4ACDWE	SMD **120-0543**	5.74	3.33	3.12

● Compliant ◀ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1426 Date: 22-08-06 time: 00:03

210715

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
68711										
68HC711	FSL	52	8-bit MCU, 512 bytes RAM, 12K bytes OTP PROM, 38 I/O ports, multiplexed bus, timer and ADC. PLCC Package	MC68HC711E9CFNE2	SMD 120-0546	30.69	22.84	21.01	– –	– –
68HC711	FSL	44	8-bit MCU, 192 bytes RAM, 4K bytes OTP PROM, 32 I/O ports	MC68HC711D3CFNE2	SMD 120-0551	18.12	13.87	12.65	– –	– –
Z80										
84C	ZILOG	40	8-bit CMOS CPU, 8MHz	Z84C0008PEG	108-1890	11.72	9.12	8.36	– –	– –
84C	ZILOG	40	8-bit CMOS CPU, 10MHz	Z84C0010PEG	108-1891	12.04	9.12	8.36	– –	– –
8031										
80C31	PS	44	8-bit CMOS CPU, 128 bytes RAM - 12MHz. PLCC Package	N80C31BH-1	SMD 316-6223	11.29	10.43	9.53	– –	– –
80C31	PS	40	8-bit CMOS CPU, 128 bytes RAM - 16MHz.	P80C31BH-1	316-6260	8.67	8.12	7.35	– –	– –
80C31	PS	40	8-bit CMOS CPU, 128 bytes RAM - 16MHz.	P80C31SBPN	120-509	5.43	4.34	3.26	– –	– –
8032										
80C32	PS	40	8-bit CMOS CPU, 256 bytes RAM - 16MHz (Low Voltage)	P80C32SBPN	121-071	5.64	4.51	3.39	– –	– –
80C32	PS	44	8-bit CMOS CPU, 256 bytes RAM - 33MHz. PLCC Package	P80C32UBAA	SMD 120-1265	6.39	5.11	3.84	– –	– –
80C32	PS	40	8-bit CMOS CPU, 256 bytes RAM - 33MHz.	P80C32UBPN	316-6132	6.21	4.97	3.72	– –	– –

C8051F Development Tools



Silicon Laboratories development kits provide a comprehensive Integrated Development Environment for unobtrusive real-time debug in the target system. Unlike generic Development Boards, Silicon Laboratories Development Kits offer features and performance typically found on high-end development systems. These kits are complete with all hardware, software, cables and power supply. The user only needs a PC running Windows (95/98/Me/NT) with a free COM port.

Silicon Laboratories Development Kits include advanced debug features enabling the user to fully develop and integrate the hardware and software design. Since Silicon Laboratories parts have built-in debug capabilities, the development environment can be used with devices already installed in the end application. This development system is not encumbered with sockets, target cables, or "ICE Chips". Silicon Laboratories Development Kits support the following debug/emulator.

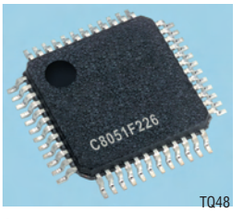
Features:

- Editing & Managing Project Files
- An Evaluation C Compiler
- Configuration Wizard - writes the source code necessary to set up the peripherals
- Run, Halt, Single-Stepping and Animate
- Set Hardware Breakpoints
- Inspect/Modify Memory and Registers
- Download Program Memory

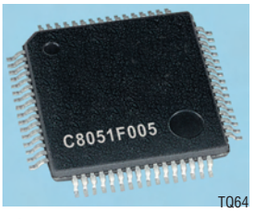
239198

Mftrs. List No.	Description	Order Code	Price Each
C8051F005DK-B	DEV KIT UK PLUG	412-7973	338.89
C8051F005DK-E	DEV KIT EUROPEAN PLUG	412-7985	334.80
C8051F020DK-B	DEV KIT UK PLUG	412-7997	408.31
C8051F040DK-B	DEV KIT UK PLUG	423-8217	1,240.29
C0851F226DK-E	DEV KIT EUROPEAN PLUG	412-8047	337.45
C8051F310DK-E	DEV KIT EUROPEAN PLUG	423-8266	263.74

Silicon Laboratories Microcontrollers



TQ48



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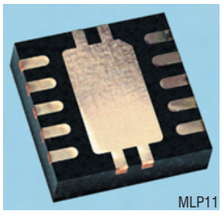
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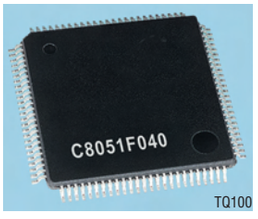

TQ100



LPQ32

Silicon Laboratories offers a range of In-System Programmable, mixed signal System-on-Chip microcontroller products. They integrate world-class analogue peripherals, a high-speed pipelined 8051 CPU, ISP Flash Memory, and on-chip JTAG based debug in each device. Silicon Laboratories concentrates on reducing the cost of the system by integrating more functions onto a single device.

Silicon Laboratories parts offer an enhanced 8051 compatible CPU delivering up to 25 MIPS at 25 MHz. Memory options are currently up to 64K Flash with 4K RAM.System cost, development time and parts count are all reduced by integrating UART, SMBus™, and SPI™ serial interfaces, four 8051-style timers, and a five-channel programmable counter array (PCA). Some parts have a dedicated parallel interface (capable of data rates up to 5Mbytes/second) that facilitates the easy expansion of data memory, and provides the means to attach external devices such as USB or Ethernet controllers.

Analogue peripherals include 12-bit or 10-bit 100ksps ADC and an 8-bit 500ksps ADC with performance figures normally only found on monolithic ADCs. Devices also feature a temperature sensor, two 12-bit digital-to-analogue converters, voltage comparator(s), and a voltage reference.

Mftrs. List No.	MIPS (peak)	Flash Memory (bytes)	RAM (bytes)	UART	Timers (16-Bit)	Int. Osc (%)	Digital I/O Pins	ADC Resol. (bits)	ADC Speed (Ksps)	ADC inputs	DAC Resol. (bits)	DAC Ouputs	Voltage Comparators	Pins/ Package
C8051F002-GQ	20	32 Kbytes	256	1	4	20	8	12	100	4	12	2	1	32 / LQFP
C8051F005-GQ	25	32 Kbytes	2304	1	4	20	32	12	100	8	12	2	2	64 / TQFP
C8051F006-GQ	25	32 Kbytes	2304	1	4	20	16	12	100	8	12	2	2	48 / TQFP
C8051F007-GQ	25	32 Kbytes	2304	1	4	20	8	12	100	4	12	2	1	32 / LQFP
C8051F015-GQ	25	32 Kbytes	2304	1	4	20	32	10	100	8	12	2	2	64 / TQFP
C8051F020-GQ	25	64 Kbytes	4352	2	5	20	64	12	100	8	12	2	2	100 / TQFP
C8051F021-GQ	25	64 Kbytes	4352	2	5	20	32	12	100	8	12	2	2	64 / TQFP
C8051F022-GQ	25	64 Kbytes	4352	2	5	20	64	10	100	8	12	2	2	100 / TQFP
C8051F023-GQ	25	64 Kbytes	4352	2	5	20	32	10	100	8	12	2	2	64 / TQFP
C8051F040-GQ	25	64 Kbytes	4325	1	5	20	64	12	100	8	—	—	2	100 / TQFP
C8051F041-GQ	25	64 Kbytes	4325	1	5	20	32	12	100	8	—	—	2	64 / TQFP
C8051F043-GQ	25	64 Kbytes	4325	1	5	20	32	12	100	8	—	—	2	64 / TQFP
C8051F124-GQ	50	128 Kbytes	8448	1	5	20	64	12	100	8	—	—	2	100 / TQFP
C8051F125-GQ	50	128 Kbytes	8448	1	5	20	32	12	100	8	—	—	2	64 / TQFP
C8051F126-GQ	50	128 Kbytes	8448	1	5	20	64	12	100	8	—	—	2	100 / TQFP
C8051F127-GQ	25	16 Kbytes	1280	1	5	20	29	12	100	8	—	—	2	32 / LQFP
C8051F206-GQ	25	8 Kbytes	1280	1	3	20	32	12	100	32	—	—	2	48 / TQFP
C8051F221	20	8 Kbytes	256	1	3	20	22	8	100	22	—	—	2	32 / LQFP
C8051F236-GQ	25	8 Kbytes	1280	1	3	20	32	8	100	—	—	—	2	48 / TQFP
C8051F231-GQ	25	8 Kbytes	256	1	3	20	22	—	—	—	—	—	2	32 / LQFP
C8051F226-GQ	25	8 Kbytes	1280	1	3	20	32	—	—	32	—	—	2	48 / TQFP
C8051F300-GM	20	32 Kbytes	256	1	3	20	32	8	500	8	—	—	1	11 / MLP
C8051F302-GM	25	8 Kbytes	256	1	3	20	8	8	500	8	—	—	1	11 / MLP
C8051F303	25	8 Kbytes	256	1	3	20	8	—	500	—	—	—	1	11 / MLP
C8051F310-GQ	50	128 Kbytes	8448	1	5	20	32	12	100	8	—	—	2	32 / LQFP
C8051F311-GM	25	16 Kbytes	1280	1	5	20	25	12	100	8	—	—	2	28 / MLP
C8051F320-GQ	25	16 Kb	1280	1	4	20	25	12	100	1	—	—	2	32 / LQFP
C8051F321-GM	25	16 Kb	1280	1	4	20	21	12	100	1	—	—	2	28 / MLP

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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239273

Mftrs. List No.	Developmet Kit Part Number C8051-	Order Code	Price Each 1+	10+	100+
C8051F005-GQ	F005DK-B, Order Code: 412-7973 (UK Plug); F005DK-E, Order Code: 412-7985 (Euro Plug)	SMC 968-5677●	67.47	55.20	46.71
C8051F002	F005DK-B, Order Code: 412-7973 (UK Plug); F005DK-E, Order Code: 412-7985 (Euro Plug)	SMC 412-8096▲‡	54.99	45.00	38.10
C8051F002-GQ	F005DK-B, Order Code: 412-7973 (UK Plug); F005DK-E, Order Code: 412-7985 (Euro Plug)	SMC 968-5669●	54.99	45.00	38.10
C8051F006	F005DK-B, Order Code: 412-7973 (UK Plug); F005DK-E, Order Code: 412-7985 (Euro Plug)	SMC 412-8114▲‡	65.73	53.79	45.85
C8051F006-GQ	F005DK-B, Order Code: 412-7973 (UK Plug); F005DK-E, Order Code: 412-7985 (Euro Plug)	SMC 968-5685●	65.73	53.79	45.85
C8051F007	F005DK-B, Order Code: 412-7973 (UK Plug); F005DK-E, Order Code: 412-7985 (Euro Plug)	SMC 412-8126▲‡	65.07	53.25	45.06
C8051F007-GQ	F005DK-B, Order Code: 412-7973 (UK Plug); F005DK-E, Order Code: 412-7985 (Euro Plug)	SMC 968-5693●	65.07	53.25	45.06
C8051F015-GQ	F005DK-B, Order Code: 412-7973 (UK Plug); F005DK-E, Order Code: 412-7985 (Euro Plug)	SMC 968-5707●	58.74	48.06	40.68
C8051F020-GQ	F020DK-B, Order Code: 412-7997 (UK Plug)	SMC 968-5766●	78.54	64.26	54.78
C8051F021-GQ	F020DK-B, Order Code: 412-7997 (UK Plug)	SMC 968-5774●	75.21	61.53	52.05
C8051F022-GQ	F020DK-B, Order Code: 412-7997 (UK Plug)	SMC 968-5782●	72.54	59.34	50.22
C8051F023-GQ	F020DK-B, Order Code: 412-7997 (UK Plug)	SMC 968-5790●	66.60	54.48	46.11
C8051F040-GQ		SMC 968-5839●	83.01	74.70	67.92
C8051F041-GQ		SMC 968-5847●	78.75	70.86	64.44
C8051F043		SMC 423-8140▲‡	70.35	63.30	57.57
C8051F124-GQ		SMC 968-5863●	89.49	80.52	73.20
C8051F125		SMC 423-8163▲‡	85.41	76.86	69.90
C8051F125-GQ		SMC 968-5871●	85.41	76.86	69.90
C8051F126		SMC 423-8175▲‡	67.09	60.38	56.02
C8051F126-GQ		SMC 968-5880●	67.09	60.38	56.02
C8051F127-GQ		SMC 968-5898●	78.15	70.32	63.93
C8051F206		SMC 412-8205▲‡	41.28	33.78	28.56
C8051F206-GQ		SMC 968-5715●	41.28	33.78	28.56
C8051F221	F226DK-E, Order Code: 412-8047 (Euro Plug)	SMC 412-8229▲‡	24.00	19.65	16.62
C8051F226-GQ	F226DK-E, Order Code: 412-8047 (Euro Plug)	SMC 968-5731●	29.94	24.48	20.73
C8051F231-GQ	F226DK-E, Order Code: 412-8047 (Euro Plug)	SMC 968-5740●	21.36	17.46	14.88
C8051F236	F226DK-E, Order Code: 412-8047 (Euro Plug)	SMC 412-8266▲‡	25.02	20.46	17.44
C8051F236-GQ	F226DK-E, Order Code: 412-8047 (Euro Plug)	SMC 968-5758●	25.02	20.46	17.44
C8051F300		SMC 412-8310▲‡	19.04	15.59	14.65
C8051F300-GM		SMC 968-5804●	19.04	15.59	14.65
C8051F302		SMC 412-8333▲‡	19.20	15.72	13.39
C8051F302-GM		SMC 968-5812●	19.20	15.72	13.39
C8051F303		SMC 412-8345▲‡	18.15	14.85	12.54
C8051F310-GQ	F310DK-E, Order Code: 423-8266 (Euro Plug)	SMC 968-5901●	27.96	25.14	22.86
C8051F311-GM	F310DK-E, Order Code: 423-8266 (Euro Plug)	SMC 968-5910●	27.48	24.72	22.50
C8051F320-GQ		SMC 968-5928●	32.75	26.79	22.69
C8051F321-GM		SMC 968-5936●	31.12	25.49	21.55

210789

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
80C310	MAX	40	DIL	8-bit CMOS CPU, 256 bytes RAM - 25MHz	DS80C310-MCG	700-617▲	27.48	21.83	17.35
80C310	MAX	44	PLCC	8-bit CMOS CPU, 256 bytes RAM - 25MHz	DS80C310-QCG	SMC 700-629▲	25.22	19.78	15.72
80C320	MAX	40	DIL	8-bit CMOS CPU, 256 bytes RAM - 25MHz	DS80C320-MCG	539-703▲‡	28.28	21.57	17.63
80C320	MAX	40	DIL	8-bit CMOS CPU, 256 bytes RAM - 25MHz	DS80C320+MCG	972-5873●	29.42	22.45	18.34
80C320	MAX	40	DIL	8-bit CMOS CPU, 256 bytes RAM - 25MHz (IND TEMP)	DS80C320-MNG	700-605▲	39.77	30.34	24.33
80C320	MAX	44	PLCC	8-bit CMOS CPU, 256 bytes RAM - 25MHz	DS80C320+QCG	SMC 972-6250●	37.77	28.82	23.11
87C520	MAX	40	DIL	8-bit CMOS CPU, 16Kb OTP PROM, 256 bytes RAM - 33MHz	DS87C520-MCL	787-188▲‡	71.31	55.81	45.60
87C520	MAX	40	DIL	8-bit CMOS CPU, 16Kb OTP PROM, 256 bytes RAM - 33MHz, Plastic	DS87C520+MCL	972-6349●	87.09	69.00	56.38
87C520	MAX	44	PLCC	8-bit CMOS CPU, 16Kb OTP PROM, 256 bytes RAM - 33MHz	DS87C520-QCL	SMC 787-190▲	78.22	62.54	51.10
87C520	MAX	40	DIL	8-bit CMOS CPU, 16Kb EPROM, 256 bytes RAM - 33MHz	DS87C520-WCL	787-206▲	127.15	104.22	85.15
C515	INF	80	MQFP	8-bit Microcontroller, 64kb OTP ROM, 256b RAM, 48 I/O lines, CAN, 10MHz	SAF-C515C-8EM CA	SMC 122-0082●	24.98	19.98	16.48

210800

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
8051											
80C51	INTEL	44	PLCC	8-bit CMOS CPU, 256 bytes RAM - 12MHz	N80C51FA-1	SMD 316-6235	16.82	15.65	14.18	– –	– –
8751											
87C51	PS	44	PLCC	8-bit CMOS CPU, 8Kb OTP PROM, 256 bytes RAM - 16MHz. (Low Voltage)	P87C51FA-4A	SMD 108-5237●	18.21	14.57	13.11	10.93	– –
87C51	PS	40	DIL	8-bit CMOS CPU, 8Kb OTP ROM, 512 bytes RAM - 16 MHz	P87C51FA-4N	386-3529●	19.45	15.56	14.00	11.67	– –
87C51	PS	40	DIL	8-bit CMOS CPU, 16Kb OTP PROM, 256 bytes RAM - 16MHz. (Low Voltage)	P87C51FB-4N	121-137●	22.52	18.02	16.22	13.51	– –
87C51	PS	44	PLCC	8-bit CMOS CPU, 8Kb OTP PROM, 512 bytes RAM, programmable Timer, H/ware watchdog timer - 16MHz	P87C51RA+4A.	SMD 302-6127‡	14.76	11.81	10.63	8.86	– –
87C51	PS	44	PLCC	8-bit CMOS CPU, 8Kb OTP PROM, 512 bytes RAM, programmable Timer, H/ware watchdog timer - 16MHz	P87C51RA+4A	SMD 108-5269●	15.20	12.16	10.95	9.12	– –
87C51	PS	44	PLCC	8-bit CMOS CPU, 32Kb OTP PROM, 512 bytes RAM, programmable-Timer, H'ware watchdog timer - 16MHz	P87C51RC+4A	SMD 120-1260●	22.93	18.34	16.51	13.76	– –
87C51	PS	44	PLCC	8-bit CMOS CPU, 64Kb OTP PROM, 1024 bytes RAM, programmable-Timer, H/ware watchdog timer - 16MHz	P87C51RD+4A.	SMD 302-6220‡	25.48	20.38	18.34	15.29	– –
87C51	PS	44	PLCC	8-bit CMOS CPU, 64Kb OTP PROM, 1024 bytes RAM, programmable-Timer, H/ware watchdog timer - 16MHz	P87C51RD+4A	SMD 108-5271●	26.24	20.99	18.89	15.74	– –
87C51	PS	40	DIL	8-bit CMOS CPU, 4Kb OTP PROM, 128 bytes RAM - 16MHz. (Low Voltage)	P87C51SBPN	121-101●	7.86	6.29	5.66	4.71	– –

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

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87LPC

PHILIPS

The 87LPC microcontroller family features include:

- C51 compatible
- 2.7V to 6V operating range
- Brownout detection
- Twice the 8051 execution time
- Two 16-bit counters/timers
- Two analogue comparators
- Full duplex UART
- I^2C comms port
- Watchdog timer
- Active low reset
- Configurable oscillator
- LED drive capability
- Up to 18 I/Os

SEM776/

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
87LPC762	20	DIL	8-bit CMOS CPU, 2Kb OTP PROM, 128 bytes RAM, Low Power - 20 MHz	P87LPC762BN	**386-3591**	7.44	5.95	5.36
87LPC764	20	DIL	8-bit CPU, 4Kb OTP PROM, 128 bytes RAM - 20MHz.	P87LPC764BN	**309-5733**	9.36	7.49	6.74
87LPC764	20	DIL	8-bit CMOS CPU, 4Kb OTP PROM, 128 bytes RAM, Low Power - 20 MHz (IND TEMP)	P87LPC764FN	**386-3633**	9.23	7.38	6.64

210544

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
8752, 87251									
87C52	PS	44	PLCC	8-bit CMOS CPU, 8Kb OTP PROM, 256b RAM - 16MHz	P87C52SBAA	SMD **120-1253**	9.86	8.12	6.09
87C52	PS	44	PLCC	8-bit CMOS CPU, 8Kb OTP PROM, 256b RAM - 16MHz	P87C52SBAA	SMD **120-1253**	9.86	8.12	6.09
87C52	PS	40	DIL	8-bit CMOS CPU, 8Kb OTP PROM, 256b RAM - 16MHz (Low Voltage)	P87C52SBPN	**121-150**	9.86	7.89	5.91
87C52	PS	44	PLCC	8-bit CMOS CPU, 8Kb OTP PROM, 256b RAM - 33MHz	P87C52UBAA	SMD **120-1254**	11.17	8.93	6.70
87C52	PS	40	DIL	8-bit CMOS CPU, 8Kb OTP PROM, 256b RAM - 33MHz	P87C52UBPN	**120-583**	10.84	8.67	6.51
87C251	INTEL	44	PLCC	8-bit, High Performance, CMOS CPU, 16Kb OTP PROM, 1Kb RAM, 32 I/Olines, 16MHz	N87C251SB-16	SMD **572-366**	107.82	91.23	77.58

PHILIPS

210545

	Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+
8XC552, 8XC554, 8XC562, 8XC592									
80C562	68	PLCC	8-bit CMOS CPU, 256 bytes RAM - 16MHz (on-board 8-bit ADC/Capture-Compare timer/16-bit timers/PWM/WDG/UART)	P80C562EBA/02.	SMD **121-198‡**	37.50	30.00	22.50	– –
80C562	68	PLCC	8-bit CMOS CPU, 256 bytes RAM - 16MHz (on-board 8-bit ADC/Capture-Compare timer/16-bit timers/PWM/WDG/UART)	P80C562EBA/02	SMD **108-5238**	38.63	30.90	23.18	– –
87C552	68	PLCC	8-bit CMOS CPU, 8Kb OTP ROM, 256 bytes RAM, Low voltage - 16 MHz (IND TEMP)	P87C552SFAA,512	SMD **120-1287**	53.84	45.77	40.38	– –
80C592	68	PLCC	8-bit CMOS CPU with CAN, 512 bytes RAM - 16 MHz	P80C592FFA/00.	SMD **386-3505‡**	39.39	34.40	30.36	– –
80C592	68	PLCC	8-bit CMOS CPU with CAN, 512 bytes RAM - 16 MHz	P80C592FFA/00,512	SMD **108-5276**	41.69	35.44	31.27	– –

AVRISP - Low-cost In-System Programmer for Atmel AVR FLASH Microcontroller Family



The 'AVRISP' is a low-cost in-system programmer (ISP) supporting the Atmel AVR FLASH microcontroller family. The programmer plugs into the user Target System via a 6 or 10-pin ISP header and draws its power from the target. The Atmel 'AVRStudio' application is used to control the programmer via a spare PC COM (serial) port.

Features

- ISP programming of all in-system programmable AVR devices
- Programs FLASH, EEPROM, FUSE and Security bits
- Supports programming of the RC Oscillator Calibration Byte
- Powers from the Target System (2.7 - 5.5V - no external power supply required)
- Adjustable SPI speed. Supports all Target Boards running at >8KHz
- 'AVR Studio' PC interface software
- DOS command line interface also available
- Connects to spare PC COM (serial) port
- Supplied with both Atmel 6-way and 10-way ISP cable

System Contents

- AVRISP - ISP programmer
- Atmel 'AVR Studio' software on CD-ROM
- PC serial cable (9W - 9W)
- 6-way ISP cable
- 10-way ISP cable

Device Support

- ISP (off-board) - AT90S, ATtiny, ATmega

232192

Mftrs. List No.	Order Code	Price Each
ATAVRISP2	**113-5517**	77.87

AVR® JTAGICE mkII On-Chip Debug System

NEW



The AVR JTAGICE mkII is a powerful development tool for on-chip Debugging. It is for use with all AVR 8-bit RISC microcontrollers with IEEE 1149.1 compliant JTAG interface or debugWIRE interface. DebugWIRE uses a single wire for the interface to enable on chip debug of AVR microcontrollers in small pin count packages. The user is given complete control of the internal resources of the microcontroller and development time is reduced using the AVRstudio user interface. Real-Time emulation of the microcontroller can be performed while it is running in a target system. All AVR resources can be monitored: Flash Memory, EEPROM memory. SRAM memory, Register File, Program Counter, Fuse and Lock bits, and all I/O modules.

Features:

- Full JTAG programming support
- USB 1.1 or RS-232 interface to the PC
- Supports multiple devices in JTAG Scan Chain
- Full support for Assembly and High Level Languages
- TArget voltage 1.8 - 5.5V
- Supply voltage 9 - 12V, or powered from USB Port

404563

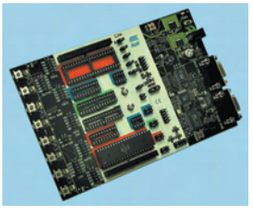
	Mftrs. List No.	Order Code	Price Each
AVR® JTAGICE mkII Debug System	ATJTAGICE2	**917-1100**	509.32

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1429 Date: 22-08-06 time: 00:05

STK500 - Professional AVR FLASH Microcontroller Starter System



The Atmel STK500 is a comprehensive Starter System for the Atmel AVR FLASH Microcontroller family. The system comprises of a single board module which features IC sockets for all the popular dual-in-line AVR devices. It is possible to 'in-system program' (ISP) and 'Parallel' program AVR devices on the STK500 and also to use the board to ISP a device on a seperate Target System. The STK500 can be used as an evaluation board by connecting up the various on-board peripherals including LED's and push buttons.

Features:

- AVR studio software interface
- RS-232 interface to PC for programming and configuration
- Second RS-232 port for user application
- External power supply required (9V - 12V DC)
- Sockets for 8, 20, 28 and 40 pin AVR devices
- Serial In-system programming (ISP) of AVR devices
- In-system programmer for programming AVR devices in an external target system
- Parallel and serial high-voltage programming of AVR devices
- 8 x push buttons and 8 x LED's for general use
- All AVR I/O ports easily accessible through pin header connectors
- Expansion connectors for plug-in modules (e.g. STK501) and prototyping area
- Flexible clocking, voltage and reset system

Device Support:

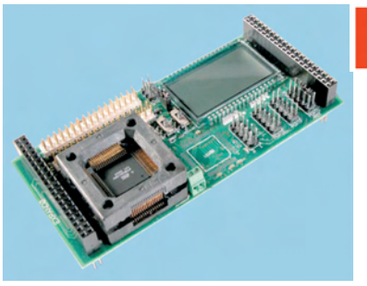
- ISP (on-board) - AT90S, ATtiny, ATmega (ATmega103/128 - requires STK501) devices
- Parallel (on-board) - ATS, ATmega (ATmega103/128 - requires STK501) devices
- ISP (off-board) - AT90S, ATtiny, ATmega

232166

Mftrs. List No.	Order Code	Price Each
STK500	**388-4429**	229.74

AVR® STK502 Expansion Board

NEW



The STK502 Expansion Board is designed as a hardware expansion module for the STK500 Starter Kit (Order Code: 388-4429). It is used to add support for the ATmega169 device featuring an on chip LCD controller. THe STK502 includes connectors, jumpers and hardware as well as an LCD display to allow full support for all features on the mega 169. The Zero Insertion Force socket allows easy use of TQFP packages and an on board temperature sensor is included. Running specific application notes on the evaluation board helps to reduce time-to-market for designers using the ATmega169.

Features:

- AVR Studio® operated
- Plug-in module for STK500
- Serial In-System Programming
- Parallel High-voltage Programming
- All I/O ports easily accessible through Pin Header connectors
- TQFP Footprint for Emulator adapters
- JTAG connector for On-chip Debugging using the JTAG ICE
- Target Voltage 1.8 - 5.5V
- Powered by STK500

404570

	Mftrs. List No.	Order Code	Price Each
AVR® STK502 Expansion Board	ATSTK502	**917-1541**	168.41

Atmel 8051 Microcontrollers with on-chip FLASH CODE Memory

210628

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
89C51	PLCC	PLCC	8-bit MCU, 4Kb FLASH PEROM, 128b RAM, 32 I/O lines - 24MHz	AT89C51-24JC	SMD **795-355**	16.23	14.82	13.14	11.97

AT89C 8-bit FLASH Microcontrollers

NEW

422976

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
89C5131	52	PLCC	8-bit Flash MCU with Full Speed USB Device	AT89C5131A-S3SUM	SMD **109-5721**	19.27	16.05	13.77
89C51	44	PLCC	Enhanced 8-bit MCU with CAN Controller and Flash Memory	AT89C51CC01UA-SLSUM	SMD **109-5722**	22.20	18.52	15.85
89C51	44	PLCC	Enhanced 8-bit MCU with CAN Controller and Flash Memory	AT89C51CC03UA-SLSUM	SMD **109-5723**	27.15	22.65	19.43
89C51	44	VQFP	High-Performance 8-bit CMOS Flash MCU with Data EEPROM	AT89C51ED2-RLTUM	SMD **109-5725**	21.22	17.71	15.17
89C51	44	PLCC	High-Performance 8-bit CMOS Flash MCU with Data EEPROM	AT89C51ED2-SLSUM	SMD **109-5726**	21.22	17.71	15.17
89C51	68	PLCC	High-Performance 8-bit CMOS Flash MCU with Data EEPROM	AT89C51ED2-SMSUM	SMD **109-5727**	23.70	19.76	16.96
89C51	80	TQFP	8-bit MCU with MP3 Decoder and Human Interface	AT89C51SND1C-ROTUL	SMD **109-5728**	37.01	30.86	26.43
89C55	44	PLCC	8-bit MCU with 20Kb Flash	AT89C55WD-24JU	SMD **109-5731**	9.15	7.52	6.35
89C55	40	DIL	8-bit MCU with 20Kb Flash	AT89C55WD-24PU	**109-5732**	9.15	7.52	6.35

AT89S 8-bit FLASH Microcontrollers

NEW

422983

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
89S51	44	PLCC	8-bit CMOS MCU with 4Kb ISP Flash	AT89S51-24JU	SMD **109-5738**	5.34	4.33	3.68
89S51	40	DIL	8-bit CMOS MCU with 4Kb ISP Flash	AT89S51-24PU	**109-5739**	5.34	4.33	3.68
89S52	44	TQFP	8-bit CMOS MCU with 8Kb ISP Flash	AT89S52-24AU	SMD **109-5740**	5.34	4.33	3.68
89S52	44	PLCC	8-bit CMOS MCU with 8Kb ISP Flash	AT89S52-24JU	SMD **109-5741**	5.34	4.33	3.68
89S52	40	DIL	8-bit CMOS MCU with 8Kb ISP Flash	AT89S52-24PU	**109-5743**	5.34	4.33	3.68
89S2051	20	DIL	8-bit CMOS MCU with 2Kb Flash	AT89S2051-24PU	**109-5734**	4.13	3.39	2.86
89S2051	20	SOIC	8-bit CMOS MCU with 2Kb Flash	AT89S2051-24SU	SMD **109-5735**	4.13	3.39	2.86
89S4051	20	DIL	8-bit CMOS MCU with 4Kb Flash	AT89S4051-24PU	**109-5736**	4.78	3.91	3.32
89S4051	20	SOIC	8-bit CMOS MCU with 4Kb Flash	AT89S4051-24SU	SMD **109-5737**	4.78	3.91	3.32
89S8253	44	TQFP	8-bit CMOS MCU with 12Kb ISP Flash & 2K EEPROM	AT89S8253-24AU	SMD **109-5744**	9.67	8.07	6.93
89S8253	44	PLCC	8-bit CMOS MCU with 12Kb ISP Flash & 2K EEPROM	AT89S8253-24JU	SMD **109-5745**	9.67	8.07	6.93
89S8253	40	DIL	8-bit CMOS MCU with 12Kb ISP Flash & 2K EEPROM	AT89S8253-24PU	**109-5746**	9.67	8.07	6.93

RoHS ● Compliant ◀ Non-compliant ++ Limited stock - RoHS replacement available

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Farnell Page 1430 Date: 22-08-06 time: 00:06

AT91SAM7S Flash Microcontrollers

NEW



Atmel's range of AT91SAM7S Flash Microcontrollers are based on the industry standard ARM7TDMI® 32-bit RISC processor. They are availeable with Flash memory ranging from 32K to 256K bytes. An evaluation kit is available featuring industry-standard development tools to bring 32-bit processing power to applications which until now were limited to 8- or 16-bit performance.
The AT91SAM7S series integrates features that facilitate the evolution from 8- or 16- to 32-bits, in particular for real time control systems. An advanced interrupt controller enhances the basic interrupt facilities of the ARM7 processor to give vectored priority interrupt handling in a minimum number of instruction cycles. An integrated Brownout Detector and power-on-reset protectes against deliberate or accidental code corruption during power down.
The embedded Flash memory can be programmed in-system via the JTAG interface or via a parallel interface on a production programmer just prior to installation.

Features:

- On-chip voltage regulator enabling single-supply operation at 3.3V
- Full migration between 32K and 256K devices providing pin-for-pin compatibility
- USB 2.0 full-speed device port
- Evaluation Kit and ICE available

Device	Flash	SRAM	PDC Channel	Enhanced USART	USB Device (Full Speed)	I/O pins
AT91SAM7S32	32 Kb	8 Kb	9	1	–	21
AT91SAM7S64	64 Kb	16 Kb	11	2	1	32
AT91SAM7S128	128 Kb	32 Kb	11	2	1	32
AT91SAM7S256	256 Kb	64 Kb	11	2	1	32

Features common to all devices:
Clock Speed = 55MHz, 8-Channel 10-bit ADC, 1 × DBGU/USART, 1 × SPI, 1 × TWI, 1 × SSC, 3 × 16-bit timers, 4 × PWM controllers, 1 × Period interval timer, 1 × Watchdog Timer, 1 × RTT, 1 × Power-On Reset, 1 × Brown Out Detection, 1 × On-Chip Oscillator, 4 × High Current Pads

423158

Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
48	LQFP	32-bit, 32K Flash, ARM7 Microcontroller	AT91SAM7S32-AU-001	SMD 109-5461	12.73	9.80	9.07
64	LQFP	32-bit, 64K Flash, ARM7 Microcontroller	AT91SAM7S64-AU-001	SMD 109-5462	17.41	12.11	11.90
64	LQFP	32-bit, 128K Flash, ARM7 Microcontroller	AT91SAM7S128-AU-001	SMD 109-5459	22.69	17.77	17.72
64	LQFP	32-bit, 256K Flash, ARM7 Microcontroller	AT91SAM7S256-AU-001	SMD 109-5460	28.81	21.78	20.93
Tools							
7V to 12V, 0.5A, USB, JTAG/ICE and DBGU Debug Interface, AT91SAM7S-EK Evaluation Kit			AT91SAM7S-EK	109-5463	360.75		
J-Link compatile mode, 8MHz, 120kbsp, AT91SAM-ICE In-Circuit Emulator			AT91SAM-ICE	109-5464	340.71		

Atmel AVR Microcontrollers

210723

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
11	8	SOIC	8-bit CMOS MCU, 1K FLASH, 6 I/O Lines - 6MHz	ATTINY11-6SI	SMD 361-7970	5.25	4.16	– –	– –
11	8	DIL	8-bit CMOS MCU, 1K FLASH, 6 I/O Lines - 6MHz	ATTINY11-6PI	361-7981	5.25	4.16	– –	– –
12	8	DIL	8-bit CMOS MCU, 1K FLASH, 6 I/O Lines - 8MHz	ATTINY12-8PI	361-8006	7.26	5.03	– –	– –
13	8	DIL	8-bit CMOS MCU, 1K FLASH, 64byte RAM 6 I/O Lines - 20MHz	ATTINY13-20PU	917-1550	3.55	2.69	2.46	– –
13	8	SOIC	8-bit CMOS MCU, 1K FLASH, 64byte RAM 6 I/O Lines - 20MHz	ATTINY13-20SU	SMD 917-1568	3.55	2.69	2.46	– –
13	8	DIL	8-bit CMOS MCU, 1K FLASH, 64byte RAM 6 I/O Lines - 10MHz	ATTINY13V-10PU	917-1576	3.71	2.81	2.58	– –
13	8	SOIC	8-bit CMOS MCU, 1K FLASH, 64byte RAM 6 I/O Lines - 10MHz	ATTINY13V-10SU	SMD 917-1584	3.71	2.81	2.58	– –
15	8	DIL	8-bit CMOS MCU, 1K FLASH, 6 I/O Lines	ATTINY15L-1PI	361-8020	8.42	5.76	4.89	– –
26	20	DIL	8-bit CMOS MCU, 2K FLASH, 128bytes RAM, 32 I/O Lines, 16MHz	ATTINY26-16PU	917-1630	5.61	4.25	3.90	– –
26	20	SOIC	8-bit CMOS MCU, 2K FLASH, 128bytes RAM, 32 I/O Lines, 16MHz	ATTINY26-16SU	SMD 917-1649	5.61	4.25	3.90	– –
26	20	DIL	8-bit CMOS MCU, 2K FLASH, 128bytes RAM, 32 I/O Lines, 8MHz	ATTINY26L-8PU	917-1657	5.94	4.50	4.12	– –
26	20	SOIC	8-bit CMOS MCU, 2K FLASH, 128bytes RAM, 32 I/O Lines, 8MHz	ATTINY26L-8SU	SMD 917-1665	5.94	4.50	4.12	– –
2313	20	DIL	8-bit CMOS MCU, 2K FLASH, 128bytes RAM, 18 I/O Lines, 20MHz	ATTINY2313-20PU	917-1592	4.87	3.69	3.38	– –
2313	20	SOIC	8-bit CMOS MCU, 2K FLASH, 128bytes RAM, 18 I/O Lines, 20MHz	ATTINY2313-20SU	SMD 917-1606	4.87	3.69	3.38	– –
2313	20	DIL	8-bit CMOS MCU, 2K FLASH, 128bytes RAM, 18 I/O Lines, 10MHz	ATTINY2313V-10PU	917-1614	5.20	3.94	3.61	– –
2313	20	SOIC	8-bit CMOS MCU, 2K FLASH, 128bytes RAM, 18 I/O Lines, 10MHz	ATTINY2313V-10SU	SMD 917-1622	5.20	3.94	3.61	– –
8	32	TQFP	8-bit CMOS MCU, 8K FLASH, 1kbytes RAM, 23 I/O Lines, 16MHz (IND TEMP)	ATMEGA8-16AU	SMD 917-1371	6.38	4.83	4.43	– –
8	28	DIL	8-bit CMOS MCU, 8K FLASH, 1kbytes RAM, 23 I/O Lines, 16MHz (IND TEMP)	ATMEGA8-16PU	917-1380	6.38	4.83	4.43	– –
8	32	TQFP	8-bit CMOS MCU, 8K FLASH, 1kbytes RAM, 23 I/O Lines, 8MHz (IND TEMP)	ATMEGA8L-8AU	SMD 917-1525	6.60	5.00	4.58	– –
8	28	DIL	8-bit CMOS MCU, 8K FLASH, 1kbytes RAM, 23 I/O Lines, 8MHz (IND TEMP)	ATMEGA8L-8PU	917-1533	6.60	5.00	4.58	– –
16	44	TQFP	8-bit CMOS MCU, 16K ISP FLASH, 1Kbytes RAM, 32 I/O Lines, 8MHZ	ATMEGA16L-8AU	SMD 917-1258	13.20	10.00	9.17	– –
16	40	DIL	8-bit CMOS MCU, 16K ISP FLASH, 1Kbytes RAM, 32 I/O Lines, 8MHZ	ATMEGA16L-8PU	917-1266	13.20	10.00	9.17	– –
16	44	TQFP	8-bit CMOS MCU, 16K ISP FLASH, 1Kbytes RAM, 32 I/O Lines, 16MHZ	ATMEGA16-16AU	SMD 917-1134	12.90	9.78	8.96	– –
16	40	DIL	8-bit CMOS MCU, 16K ISP FLASH, 1Kbytes RAM, 32 I/O Lines, 16MHZ	ATMEGA16-16PU	917-1142	12.90	9.78	8.96	– –
32	44	TQFP	8-bit CMOS MCU, 32K FLASH, 2 kbytes RAM, 32 I/O Lines, 8MHz	ATMEGA32L-8AU	SMD 917-1290	17.55	13.30	12.19	– –
32	40	DIL	8-bit CMOS MCU, 32K FLASH, 2 kbytes RAM, 32 I/O Lines, 8MHz	ATMEGA32L-8PU	917-1304	17.55	13.30	12.19	– –
32	44	TQFP	8-bit CMOS MCU, 32K FLASH, 2kbytes RAM, 32 I/O Lines, 16MHz	ATMEGA32-16AU	SMD 917-1274	17.25	13.07	11.98	– –
32	40	DIL	8-bit CMOS MCU, 32K FLASH, 2kbytes RAM, 32 I/O Lines, 16MHz	ATMEGA32-16PU	917-1282	17.25	13.07	11.98	– –
48	32	TQFP	8-bit CMOS MCU, 8K FLASH, 512 bytes RAM, 23 I/O Lines, 20MHz (IND TEMP)	ATMEGA48-20AU	SMD 917-1312	5.77	4.38	4.01	– –
48	28	DIL	8-bit CMOS MCU, 4K FLASH, 512 bytes RAM, 23 I/O Lines, 20MHz (IND TEMP)	ATMEGA48-20PU	917-1320	5.77	4.38	4.01	– –
48	32	TQFP	8-bit CMOS MCU, 4K FLASH, 512 bytes RAM, 23 I/O Lines, 10MHz (IND TEMP)	ATMEGA48V-10AU	SMD 917-1339	6.02	4.56	4.18	– –
48	28	DIL	8-bit CMOS MCU, 4K FLASH, 512 bytes RAM, 23 I/O Lines, 10MHz (IND TEMP)	ATMEGA48V-10PU	917-1347	6.02	4.56	4.18	– –
64	64	TQFP	8-bit CMOS MCU, 64K FLASH, 4kbytes RAM, 32 I/O Lines, 16MHz	ATMEGA64-16AU	SMD 917-1355	25.72	19.49	17.86	– –
64	64	TQFP	8-bit CMOS MCU, 64K FLASH, 4kbytes RAM, 32 I/O Lines, 8MHz	ATMEGA64L-8AU	SMD 917-1363	26.10	19.78	18.12	– –
88	32	TQFP	8-bit CMOS MCU, 8K FLASH, 1K bytes RAM, 23 I/O Lines, 20MHz (IND TEMP)	ATMEGA88-20AU	SMD 917-1487	6.90	5.23	4.79	– –
88	28	DIL	8-bit CMOS MCU, 8K FLASH, 1K bytes RAM, 23 I/O Lines, 20MHz (IND TEMP)	ATMEGA88-20PU	917-1495	6.90	5.23	4.79	– –
88	32	TQFP	8-bit CMOS MCU, 8K FLASH, 1K bytes RAM, 23 I/O Lines, 10MHz (IND TEMP)	ATMEGA88V-10AU	SMD 917-1509	7.12	5.40	4.95	– –
88	28	DIL	8-bit CMOS MCU, 8K FLASH, 1K bytes RAM, 23 I/O Lines, 10MHz (IND TEMP)	ATMEGA88V-10PU	917-1517	7.12	5.40	4.95	– –
128	64	TQFP	8-bit CMOS MCU, 128K FLASH, 4K bytes RAM, 53 I/O Lines, 8MHz (IND TEMP)	ATMEGA128L-8AU	SMD 917-1126	32.70	24.78	22.71	– –
128	64	TQFP	8-bit CMOS MCU, 128K FLASH, 4K bytes RAM, 53 I/O Lines, 16MHz (IND TEMP)	ATMEGA128-16AU	SMD 917-1118	31.65	23.98	21.98	– –
162	44	TQFP	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 35 I/O Lines, 16MHz (IND TEMP)	ATMEGA162-16AU	SMD 917-1150	13.42	10.17	9.32	– –
162	40	DIL	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 35 I/O Lines, 16MHz (IND TEMP)	ATMEGA162-16PU	917-1169	13.42	10.17	9.32	– –
162	44	TQFP	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 35 I/O Lines, 8MHz (IND TEMP)	ATMEGA162V-8AU	SMD 917-1177	13.80	10.46	9.58	– –
162	40	DIL	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 35 I/O Lines, 8MHz (IND TEMP)	ATMEGA162V-8PU	917-1185	13.80	10.46	9.58	– –
168	32	TQFP	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 23 I/O Lines, 20MHz (IND TEMP)	ATMEGA168-20AU	SMD 917-1193	12.52	9.49	8.70	– –
168	28	DIL	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 23 I/O Lines, 20MHz (IND TEMP)	ATMEGA168-20PU	917-1207	12.52	9.49	8.70	– –
168	32	TQFP	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 23 I/O Lines, 10MHz (IND TEMP)	ATMEGA168V-10AU	SMD 917-1215	12.97	9.83	9.01	– –
168	28	DIL	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 23 I/O Lines, 10MHz (IND TEMP)	ATMEGA168V-10PU	917-1223	12.97	9.83	9.01	– –
169	64	TQFP	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 53 I/O Lines, 16MHz (IND TEMP)	ATMEGA169-16AU	SMD 917-1231	19.35	14.66	13.44	– –
169	64	TQFP	8-bit CMOS MCU, 16K FLASH, 1K bytes RAM, 53 I/O Lines, 8MHz (IND TEMP)	ATMEGA169V-8AU	SMD 917-1240	19.88	15.06	13.80	– –
8515	44	TQFP	8-bit 8K ISP FLASH, 512 bytes RAM, 16MHZ (IND TEMP TQFP)	ATMEGA8515-16AU	SMD 917-1398	9.30	7.05	6.46	– –
8515	44	PLCC	8-bit CMOS MCU, 8K ISP FLASH, 35 I/O Lines, 16MHz	ATMEGA8515-16JC	SMD 463-8864	12.30	10.53	7.23	– –
8515	40	DIL	8-bit 8K ISP FLASH, 512 bytes RAM, 16MHZ (IND TEMP)	ATMEGA8515-16PU	917-1401	9.30	7.05	6.46	– –

Prices are in Singapore Dollars and exclusive of GST.
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Farnell Page 1431 Date: 22-08-06 time:00:06

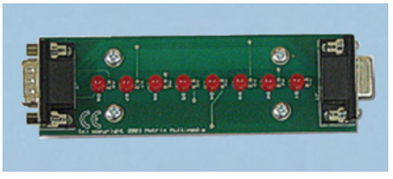
	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
8515	44	TQFP	8-bit 8K ISP FLASH, 512 bytes RAM, 8MHZ (IND TEMP)	ATMEGA8515L-8AU	SMD 917-1410	9.60	7.27	6.67	– –
8515	40	DIL	8-bit 8K ISP FLASH, 512 bytes RAM, 8MHZ (IND TEMP)	ATMEGA8515L-8PU	917-1428	9.60	7.27	6.67	– –
8535	44	TQFP	8-bit ISP 8K Flash, 512bytes RAM 16MHZ (IND TEMP)	ATMEGA8535-16AU	SMD 917-1436	9.60	7.27	6.67	– –
8535	40	DIL	8-bit ISP 8K Flash, 512bytes RAM 16MHZ (IND TEMP)	ATMEGA8535-16PU	917-1444	9.60	7.27	6.67	– –
8535	44	TQFP	8-bit ISP 8K Flash, 512bytes RAM 8MHZ (IND TEMP)	ATMEGA8535L-8AU	SMD 917-1460	9.90	7.50	6.87	– –
8535	40	DIL	8-bit ISP 8K Flash, 512bytes RAM 8MHZ (IND TEMP)	ATMEGA8535L-8PU	917-1479	9.90	7.50	6.87	– –

E-Blocks Development Tools

E-blocks™ Rapid Prototyping Tools

matrix multimedia

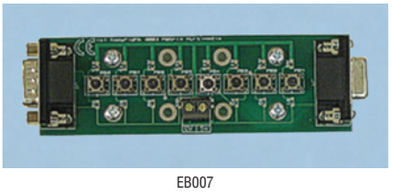
NEW



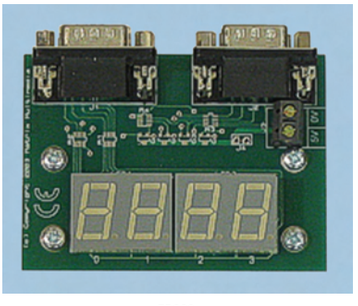
EB004



EB005



EB007



EB008



EB014



EB020

E-blocks™ are suite of small circuit boards each of which contains a block of electronics that you would typically find in an electronic system. E-blocks can be snapped together to form a wide variety of systems that can be used for the rapid prototyping of complex electronic systems, for teaching and for learning. High level software 'drivers' for Flowcode further accelerate the development process when using PICmicro® microcontrollers. The E-blocks range consists of more than 60 separate products including 30 separate sensors, PICmicro microcontroller programmers, an Atmel microcontroller programmer, an Altera CPLD programmer, and 20 further E-block boards from simple LED boards through to more complex communications devices (CAN, IrDA, mobile comms etc.). E-blocks can be mounted onto a metal backplane to facilitate operation, and clear acrylic covers, for protecting circuitry, are available for most E-blocks. CD ROM courses and development software for teaching programming PICmicro microcontrollers and CPLDs are also available.

377469/405667

	Mftrs. List No.	Order Code	Price Each
E-Blocks Prototype Board	EB016	121-1612	55.50
Assembly for PICmicro MCUs V2.0 CD-ROM	ELPICSI2	865-2490	323.19
Flowcode for PICmicro MCUs V2.0 CD-ROM	TEFLCSI2	865-2627	323.19
Mains Adaptor	FW6412.	200-890	56.92

PIC Development Tools

PICSTART® Plus - Low Cost Development/Evaluation System

MICROCHIP



The PICSTART® Plus development system from Microchip provides a highly flexible low cost entry level programming tool for all of the PIC 8-bit series of microcontrollers including One Time Programmable, Erasable and FLASH devices.

The 40 way universal ZIF socket accepts device sizes from 8-pin 0.3" to 40-pin 0.6" DIL.

PICSTART Plus operates in a Windows 3.1, 95, 98, NT environment on any PC compatible machine, access to a serial port is required for communication.

The PICSTART Plus is easy-to-use and features Microchip's highly acclaimed MPLAB™ Integrated Development Environment (IDE). This features an editor, MPASM assembler and Windows based simulator which provides a comprehensive user interface with on-screen views of all used registers during program simulation.

A copy of the PICC™ LITE C compiler is included, this is limited to compile specifically for the sample PIC16F84 included with the kit.

Full documentation is included and software is supplied together with device data on CD-ROM. The development system is supplied complete with 9-way RS-232 cable, PIC16F84 device sample and a universal power supply.

229993

	Order Code	Price Each
PICSTART Plus Development/Evaluation system	704-740	370.00
Upgrade Kit for PICStart+ (UK003010)	501-0925	55.48
8-pin DFN-S (MLF) adapter for PICStart+ and PRO-MATE II with AC164012 (445-666) socket module	424-1990	296.00

PICkit 1 FLASH Starter Kit

MICROCHIP



The PICkit 1 FLASH Starter Kit is a development kit with easy interface for programming Microchip's 8/14-pin FLASH family of microcontrollers. The kit allows for programming, evaluation and developing applications using the 8 and 14-pin FLASH PICmicros. Code development and debugging is performed using the MPLAB® Integrated Development Environment (IDE).

FEATURES:

- 3"x4.5" circuit board with snap-off prototyping board
- Easy to use Windows® programming interface for programming the 8/14 pin FLASH PICmicros
- Seven tutorials written in both Assembly and HI TECH 'C' demonstrate how to use the 8/14 pin FLASH PICmicros
- Microchip's Tips 'n Tricks booklet provides design techniques
- PICkit 1 User Guide (included on CD ROM)
- MPLAB IDE software for code development environment
- HI-TECH PICC™ LITE C Compiler (contained on the MPLAB CD-ROM)
- Supports 8/14-pin FLASH PICmicros® including: PIC12F629, PIC12F675, PIC16F630 and PIC16F676

CONTENTS:

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1432 Date: 22-08-06 time: 00:06

- PICkit 1 Circuit Board with 8-pin PIC12F675
- PICkit 1 FLASH Starter Kit CD-ROM
- MPLAB IDE CD-ROM
- Software and Hardware "Tips 'n Tricks" for 8-pin FLASH PIC Microcontrollers Booklet
- USB Interface Cable

System Requirements:

- PC-compatible with a Pentium® or equivalent
- 16 MB RAM min
- 40 MB min hard drive space
- CD-ROM drive
- USB port
- Microsoft Windows® 98, Windows NT® 4.0, Windows 2000 or Windows XP

273266.342161

Description	Order Code	Price Each
Kit Development, PIC Flash Starter Kit	**439-0787**	66.60
PICKIT1 Upgrade For PIC10F	**804-9750**	9.25
Programmer Adapter For PIC10F	**804-9769**	66.60

PICkit™ 2 Developmet Programmer

MICROCHIP



NEW

The PICkit 2 starter kit is a low-cost, easy to use development kit for programming Microchip's 8, 14 and 20-pin Flash microcontrollers. It includes everything needed to program, evaluate and develop the microcontrollers and helps the user to get up to speed quickly using PIC microcontrollers. The included instructions cover I/O, Interrupts, A/D Converters, Data tables and Timers.

Features:

- Easy to use Windows programming interface
- 12 sequential lessons written in Assembly to demonstrate how to use the microcontrollers
- Microchip Tips 'n Tricks booklet to provide efficient, low-cost design techniques
- PICkit 2 User's Guide CD-ROM
- Low pin count demo board User's Guide
- MPLAB IDE Software for complete code development
- HI-TECH PICC™ LITE C Complier

413600

Description	Mftrs. List No.	Order Code	Price Each
PICkit 2 Starter Kit	DV164120	**984-7162**	92.49
PICkit 2 Programmer Only	PG164120	**984-7170**	64.73

MPLAB®ICD 2 In-Circuit Debugger

MICROCHIP



The ICD 2 module connects between the PC and the users target board allowing direct in circuit debugging, in real time, of the target microcontroller. It can also be used as a programmer to download programs to the target microcontroller.

The In-Circuit Debugger 2 (MPLAB® ICD 2) allows the debugging of a range of PIC microcontrollers through the MPLAB® Integrated Development Environment (IDE) graphical user interface. Programs may be executed in real time or single step, watch variables established, break points set, memory read/writes accomplished and more.

Features:

- USB (full speed 2Mbits/sec) and RS232 interface to host PC
- Real time background debugging
- MPLAB compatible (copy included)
- Firmware upgradable from the PC
- Supports low voltage target systems (2.0 to 6.0V)
- Diagnostic LEDs (Power, Busy, Error)
- Reading/Writing memory space and stack of target microcontroller
- Freeze on halt

Devices Supported:

PIC18C601/801, PIC18F248/258/442/448/452/458/6620/6720/8620 and PIC18F8720.

Kit contents:

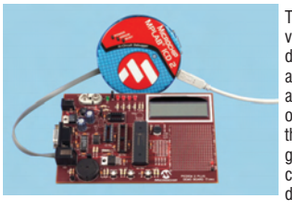
DV164005 - ICD2 module, USB cable (Order code 415-6924)
DV164006 - ICD2 module, USB cable, RS232 cable, Power Supply, PICDEM™2 Plus (DM163022)
DV164007 - ICD2 module, USB cable, RS232 cable, Power Supply

234360

Mftrs. List No.		Order Code	Price Each
DV164005	ICD2 Module (with USB cable)	**415-6924**	321.69
DV164006	ICD2 Evaluation Kit	**386-6397**	425.50
DV164007	ICD2 Module (with USB/RS232 cable, Power Supply)	**395-6477**	351.50
AC162049	Universal Programming Module for ICD2, PICStart+ and PROMATE II	**424-2002**	73.99
AC162050	8-pin ICD2 header interface for PIC12F629/675	**430-0830**	46.25
AC162051	28 to 40-pin DIL Header for ICD2	**433-9332**	36.98
AC162052	14-pin ICD2 header interface for PIC16F676/630	**430-0841**	46.25
AC162053	18-pin ICD2 header interface for PIC16F627A/628A/648A	**476-6805**	64.75
AC162054	18-pin ICD2 header interface for PIC16F716	**817-8615**	64.75
AC162055	14-pin ICD2 header interface for PIC16F684	**771-1522**	46.25
AC162056	14-pin ICD2 header interface for PIC16F688	**771-1530**	46.25
AC162057	14-pin ICD2 Header Interface for PIC12F635/16F636	**111-2736**	53.43
AC162058	8-pin ICD 2 Header Interface for PIC12F683	**111-2722**	53.43
AC162059	8-pin ICD 2 Header Interface for PIC10F200/202/204/206, 12F508/509, 16F505	**111-2783**	53.52
AC162060	20-pin ICD 2 Header Interface for PIC16F785	**111-2725**	74.82
AC162069	MPLAB ICD 2 Breadboard Cable	**111-2721**	31.53

PICDEM™ 2 Plus Demo Board

MICROCHIP



The PICDEM 2 Plus Demonstration Board provides designers with a tool for programming and debugging FLASH-based microcontrollers. It has an ICD port, LCD read-out, sounder and a temperature sensor. The board is supplied with software on a PIC18F452 microcontroller to demonstrate the device's features and peripherals. The program sets up the microcontroller as a real-time clock and measures the local temperature, both displayed on an LCD display. A PWM signal is sent directly to the Piezo sounder.

An active RS-232 port and on-board Serial EEPROM is provided. The board offers generous prototyping area for development. A second FLASH-based microcontroller, the PIC16F877, is included with demonstration program.

Source code is also provided for users to understand and modify the algorithm for their own applications. Users with an MPLAB® ICD 2 can cut, paste, rewrite or add to the program using the capability of the Flash-based microcontroller's In-Circuit Debugger.

240352

Mftrs.			
DM163022	Demonstration Board	**399-2925**	184.99

PIC IN A BOX–Ultimate PIC Starter Package



PIC IN A BOX is a complete starter kit for those intending to work with the PICmcu 8-bit microcontroller. Contents include a PICSTART® PLUS (programmer, editor, assembler/simulator software, samples, power supply, all necessary cables and a copy of the Microchip data library on CD-ROM), a copy of "The Beginners Guide to the PIC" and "PIC Cookbook", a Project Board, PIC Soft with additional projects aimed at the beginner and starter guidance notes.

Exclusive to Farnell in conjunction with Nigel Gardner.

210681

	Order Code	Price Each
PIC IN A BOX Starter Package	**789-288**	1,006.26
Power Supply 9V, 900mA (IEC 110/240Vac)	**110-711**	69.75
European mains plug lead	**112-4379**●	12.76

PIC In-Circuit Programmer



The ISPIC Adaptor allows for In-Circuit Programming of serially programmable PICmicros, including One Time Programmable and FLASH devices.
The adaptor plugs into the programmer ZIF socket, such as the PICStart+ (704740), with the cable end connecting to the target board containing the target PICmicro.

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Features:
- In-Circuit Programming of PICmicro
- Connects directly from any PIC programmer
- Easy programming of any package
- Connects directly to programmer ZIF socket
- Connects directly to target board
- Use male header, Order Code: 673225

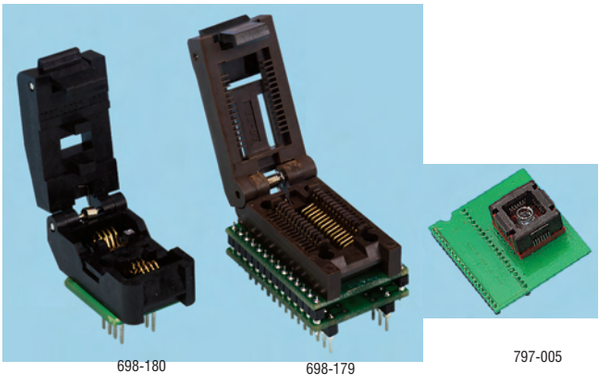
Device Support:
12C508/509A, 12CE518/519, 12C671/672, 12CE673/674, 14000, 16C505/554/558/6XX/7XX, 16Fxxx

241349

Mftrs. List No.	Order Code	Price Each
ISPICR1	**394-3227**	88.74

Programming Adaptors

MICROCHIP Bluebird Electronics



698-180 698-179 797-005

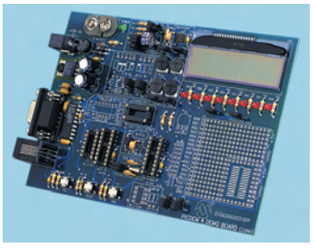
To assist with product development, the following adaptors have been designed for use with the PICSTART Plus programmer.

210877

Mftr.		Order Code	Price Each
BBD	8 pin SOIC to DIL socket module for PICs	**698-180**	192.57
BBD	14 pin SOIC to DIL socket module for PICs	**113-554**	192.57
BBD	18/28 pin SOIC to DIL socket module for PICs	**698-179**	209.20
BBD	44 pin PLCC socket module for PICs	**797-005**	186.19
MCHIP	68 pin PLCC socket module for PICs	**306-0809**	240.49

PICDEM™ 4 Demo Board

MICROCHIP



The PICDEM™ 4 Demonstration Board can be used to evaluate and demonstrate the capabilities of Microchip's 8-pin, 14-pin and 18-pin (PIC12F, PIC16F and PIC18F) microcontrollers. The demonstration Board showcases many features of low pin-count parts, including Local Interconnect Network (LIN) and motor control features using the enhanced capture/compare/PWM module (ECCP).
By connecting the PICDEM 4 Demonstration Board to an MPLAB® ICD 2, a designer can develop, simulate, debug and download code to a microcontroller using Microchip's powerful graphical MPLAB integrated Development Environment (IDE). Low power operation is achieved with a supercapacitor circuit and jumpers allow the on-board hardware to be disabled to eliminate current draw in this mode.

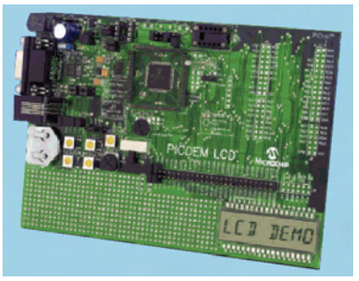
Features:
Key features of the PICDEM 4 Demonstration Board include:
- RS-232 interface
- 2x16 liquid crystal
- ICD connector for programming via in-Circuit or developing with MPLAB ICD 2
- Eight LEDs, four potentiometers and three push buttons
- PCB footprints for EEPROM, H-Bridge motor driver and LIN transceiver
- Support for crystal RC or canned oscillator modes
- Support for either power adapter or battery
- Generous prototyping area and header for expansion

311838

Mftrs List No.		Order Code	Price Each 1+
DM163014	KIT, PICDEM 4 DEMO BOARD.	**441-8098**	240.49

PICDEM™ LCD Demo Board

MICROCHIP NEW



The PICDEM™ LCD board demonstrates the main features of the new LCD Flash 28-, 40-, 64- and 80-pin PICmicro® devices with power management features. The board is populated with the PIC18F8490 and other devices are supported via a transition socket. A sample LCD glass display is included for custom prototyping. The PICDEM LCD kit provides tutorial firmware, which is included in the preprogrammed devices. The kit is shipped for 'Plug & Play' operation.

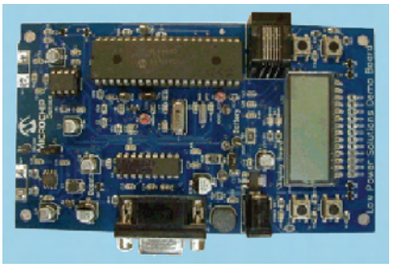
Features:
- Default device 18F8490
- Daughter board to support for PIC16F91X/ PIC18F6X90
- Battery based operation: 2-AAA, 3V Li
- Standard LCD Glass
- EEPROM
- Thermistor, POT and Switches
- MPLAB® ICD 2 and ICE interface
- RS-232
- Real Time Clock firmware
- PIC® powered peripherals

385660

	Mftrs. List No.	Order Code	Price Each
PICDEM LCD Demo Board	DM163028	**875-3016**	231.26

Low Power Solutions Demo Board

MICROCHIP NEW



The Low Power Solutions Demonstration board provides designers a convenient and fun way to explore PICmicro® nanoWatt features within a functional ultrasonic range-finder application. It features the PIC18F4620, Microchip Technology's latest power managed device. The development tool is ideal for learning nanoWatt features and implementing system power reduction techniques. The Low Power Solutions Demonstration board is part of the Workshop-in-a-Box 2, a complete nanoWatt training kit designed for self-paced and instructor-led training.

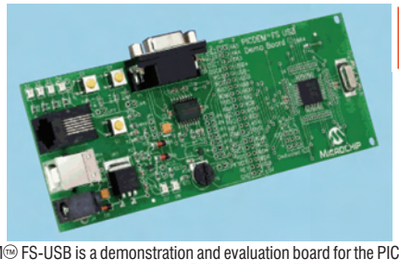
Features:
- Fully functional ultrasonic range finder with LCD display (PCB also supports four 7-segment LEDs)
- DC boost circuit
- USART
- Connector for MPLAB® ICD 2 In-Circuit Debugger and programming
- Two power supply options: 9V power supply or 9V battery
- Test points to measure system and PICmicro power consumption via current meter
- Three switches for input and a reset switch and 2 LEDs
- Microchip TC1047A Temperature sensor
- CD with user's guide, sample code written for the MPLAB C18 Compiler and three step-by-step labs illustrating nanoWatt features

385659

	Mftrs. List No.	Order Code	Price Each
Low Power Solutions Demo Board	DM163026	**875-3008**	240.49

PICDEM™ Full Speed USB Demo Board

MICROCHIP NEW



The PICDEM™ FS-USB is a demonstration and evaluation board for the PIC18F4550 family of Flash microcontrollers with full speed USB 2.0 interface. The board contains a PIC18F4550 microcontroller in a 44-pin TQFP package, representing the superset of the entire family of devices. The pre-loaded USB bootloader demonstrates the Enhanced Flash memory capabilities of the device and the PIC18F4550 can be re-programmed in circuit without an external programmer.

RoHS ● Compliant ◀ Non-compliant ++ Limited stock - RoHS replacement available

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Farnell Page 1434 Date: 22-08-06 time: 00:07

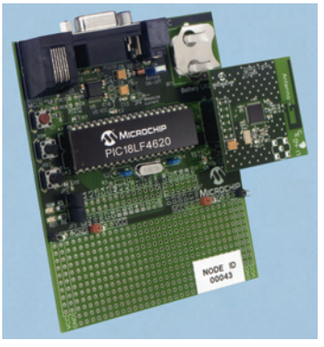
Features:
- 20 MHz crystal
- serial port connector/interface (for demonstration of migration from legacy applications)
- connection to the MPLAB® ICD 2 In Circuit Debugger
- voltage regulation, with the ability to switch from external power supply to USB bus supply
- expansion connector, compatible with the PICtail™ daughter boards standard
- temperature sensor TC77 (connected to the I2C™ bus)
- potentiometer (connected to RA0 input) for A/D conversion demonstrations
- 2 LEDs for status display and 2 input switches
- CD-ROM with full documentation about the board, application notes and software libraries

385658

	Mftrs. List No.	Order Code	Price Each
PICDEM Full Speed USB	DM163025	**875-2982**	110.99

PICDEM™ Z

ZigBee™ Technology Demonstration Kit



NEW

The PICDEM™ Z 2.4GHz Demonstration Kit supports the ZigBee standard protocol for wirelessly networked control and monitoring applications. It is an easy-to-use evaluation and development platform which includes all the hardware, software source-code and printed circuiut board layout files needed to rapidly prototype wireless products. The PICDEM Z platform uses integrated nanoWatt Technology power managed modules, along with advanced analogue, control and communications peripherals. The kit includes two PIC-based Motherboards, two 2.4GHz RF Boards and Protocol Stack Software.

- 64KB of self-programmable Flash program memory
- Compatible with Windows 98/Me/2000/XP via serial port
- ZigBee protocol stack source code CD-ROM
- PICDEM Z User's Guide CD-ROM
- Online support available

383300

	Mftrs. List No.	Order Code	Price Each
PICDEM Z 2.4 GHz Demo Kit	DM163027-2	**870-0303**	370.00
PICDEM Z Motherboard	AC163027-1	**870-0311**	166.49
PICDEM Z 2.4 GHz RF Card	AC163027-2	**870-0320**	73.99

rfPIC Development Kit



The rfPIC Development Kit 1 provides design engineers with an easy way to evaluate unidirectional remote sense and control wireless links based on the rfPIC12F675 and rfRXD0420/0920 devices. The kit is based on the popular PICkit™ 1 FLASH Starter Kit and consists of modular building blocks for different transmitters and receivers that can be utilized for prototype systems or to evaluate different options using Microchip products.

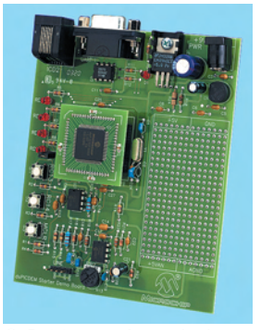
Contents:
- PICkit™ 1 FLASH starter kit
- 433.92 MHz transmitter
- 315 MHz transmitter
- 433.92 MHz receiver
- 315 MHz receiver
- rfPIC software and complete documentation (on CD)

System Requirements:
The supported operating systems are Windows 98 Second Edition, Windows ME, Windows 2000 and Windows XP.

339645

	Mftrs. List No.	Order Code	Price Each
Accessories for use with rfPIC kit			
Transmitter module (433.92 MHz)	AC164101	NEW **111-2726**	64.12
Transmitter module (315 MHz)	AC164102	NEW **111-2743**	64.12
Receiver module (433.92 MHz)	AC164103	NEW **111-2737**	53.43
Receiver module (315 MHz)	AC164104	NEW **111-2757**	50.82

dsPICDEM™ Starter Demonstration Board



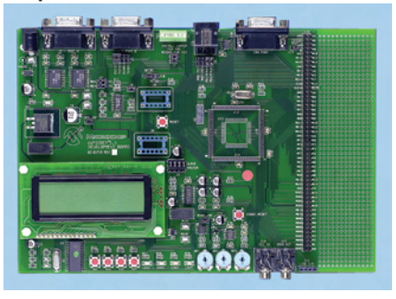
The dsPICDEM™ Starter Demo Board serves as a development kit and evaluation tool for the dsPIC30F High Performance Digital Signal Controllers.

Features:
- On-board +5V regulator for VDD and AVDD with direct input from 9V, AC/DC wall adapter
- Emulation header for connection to MPLAB ICE 4000
- MPLAB ICD 2 programming connector
- Pad location for 64-pin TQFP dsPIC device
- Single RS-232 communication channel
- One 10 kΩ Potentiometer (RP2),
- Microchip MCP41010 Digital Potentiometer and MCP6022 Operational Amplifier
- 4.0 MHz crystal (Y1) for dsPIC device
- Prototype area for user hardware
- supplied with a demo application that uses the digital potentiometer to generate audio tones.

339647.342165

Mftrs. List No.	Order Code	Price Each
Standalone dsPICDEM Starter Demonstration Board		
DM300016	**475-9680**	147.99

dsPICDEM™ 1.1 General Purpose Demonstration Board



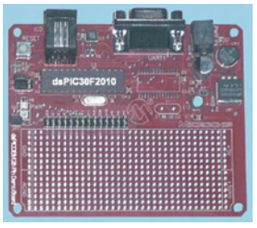
The dsPICDEM™ 1.1 General Purpose Demonstration Board provides the application designer with a low-cost development solution to become familiar with the dsPIC30F 16-bit DSC architecture. The development board serves as an ideal prototyping tool to quickly develop and validate key design requirements.

Features:
Key features of the dsPICDEM 1.1 General Purpose Development Board include:
- dsPIC30F6014 Plug-in Sample
- Serial Communication Channels Interface(two UARTs, SPI™, CAN, RS-485)
- Si3000 Voiceband Codec with MIC In/Speaker Jacks
- General Purpose Prototyping Area with Expansion Header
- 122 x 32 Dot Addressable LCD
- MPLAB® ICD 2 and MPLAB ICE 4000 Emulator support
- LED's, Switches and Potentiometers
- Temperature Sensor
- Separate Digital and Analog Voltage Regulators
- Digital Potentiometer for DAC Capability
- RS-232 Cable and Power Supply
- Example Software and Documentation on CD

346900

Mftrs. List No.	Order Code	Price Each
dsPICDEM 1.1 General Purpose Demonstration Board		
DM300014	**734-8509**	555.01
dsPICDEM 1.1 General Purpose Demonstration Board with ICD2 In-Circuit Debugger		
DV164032	NEW **111-2778**	804.26
dsPIC30F6014 80L Plug-In Module		
MA300011	NEW **111-2744**	53.06

28-Pin Starter Demonstration Board



The dsPICDEM 28-Pin Starter Demonstration Board allows the engineer to easily validate a development idea using a 28-pin SDIP or SOIC dsPIC30F device.

Features:
- Socketed dsPIC30F2010 (144 KB) SDIP DSC
- Power-supply regulator
- Crystal oscillator
- Connector for MPLAB ICD 2
- Serial port and power-on indicator
- Reset push-button
- 28L SOIC layout pad and a prototyping area

346898

Mftrs. List No.	Description	Order Code	Price Each
DM300017	dsPICDEM 28P Starter Demo Board	**734-8495**	147.99

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1435 Date: 22-08-06 time: 00:07

PICDEM IrDA



The MCP2120/2150 developers Kit for IrDA is the ideal platform to demonstrate the capabilities if the MCP2120 and MCP2150 infrared communication devices.The development boards may be connected to a host PC via a DB9 connector or to another development system via a four pin header. Each board may be powered from a 9V battery or external 9V power source and on-board jumpers select features such as baud rate, communication signal source and IR transceiver option.

Features:
- On-board 5V regulators
- DB-9 connector with RS-232 communication drivers to MCP21xx UART interface
- Power-on indicator
- Two infrared transceiver Options
- Hardware baud selection

Contents:
- Two MCP2120 Developer Boards
- One MCP2050 Developers Board
- Two Serial Cables
- 9V Power Supply
- Power Jumper Cables
- MCP2120 and MCP2150 Device Samples
- User Guide

234168

Mftrs. List No.		Order Code	Price Each
DM163008	PICDEM IrDA	**386-6385**	518.01

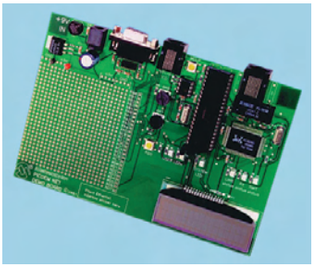
IrDA Controller ICs

The MCP2120 is a stand-alone IrDA Encoder/Decoder designed to fit between a UART and infrared transceiver, this device is capable of the modulation and demodulation of data to the IrDA standard. The MCP2150 is a complete IrDA communications Controller which provides support for the IrDA protocol "stack" plus bit encoding/decoding. Both devices are capable of supporting IrDA communications upto 115.2 kbaud.

234867

Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
14	DIL	IrDa Infrared Encoder/Decoder	MCP2120-I/P	**108-4304**	4.43	2.69	2.69
14	SOIC	IrDa Infrared Encoder/Decoder	MCP2120-I/SL	SMD **108-4305**	4.43	2.69	2.69
8	DIL	HSDL-7000 Compatible Infrared Encoder/Decoder	MCP2122-E/PG	**789-3383**	1.79	1.33	1.20
8	SOIC	HSDL-7000 Compatible Infrared Encoder/Decoder	MCP2122-E/SNG	SMD **789-3395**	1.79	1.33	1.21
18	DIL	IrDa Communications Controller	MCP2150-I/P	**975-8518**	16.26	9.91	9.91
18	SOIC	IrDa Communications Controller	MCP2150-I/SO	SMD **975-8526**	16.26	9.91	9.91

PICDEM.net™ - Internet/Ethernet Demonstration Board



The PICDEM.net™ demonstration board is an Internet/Ethernet demonstration board using the PIC16F877 microcontroller and TCP/IP firmware.

The board supports any 40-pin DIP device that conforms to the standard pin-out used by the PIC16F877 or PIC18C452. The board is also equipped with a 6-pin modular connector to interface directly with the In-Circuit Debugger (ICD).

Minimum system requirements:
PC compatible machine 486 or higher processor
4Mb RAM, 16Mb recommended
2Mb Hard disk space

Windows® 95/98/NT®
CD ROM drive
Serial Port

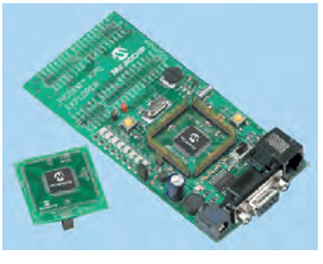
Kit includes:
- Demo board
- PIC16F877 device
- Full software including 'Losoft' Firmware and MPLAB® IDE
- PICDEM.net User's guide
- CAT 5 Ethernet Cable
- Serial Cable
- Universal Power Supply

Features:
- TCP/IP stack
- Web server with HTML
- 24LC256 EEPROM
- Firmware with XMODEM to download Webpages into serial EEPROM
- ICSP™/ICD interface connector
- Ethernet interface
- RS-232 interface
- 16 x 2 LCD display

372228

Description	Order Code	Price Each
PICDEM.net™ - Internet/Ethernet Demo Board	**809-5094**	425.50

PICDEM™ HPC Explorer Board



NEW

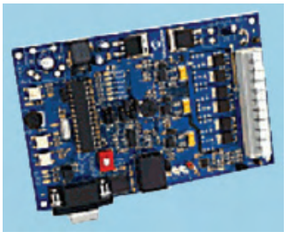
The PICDEM™ HPC Explorer Board demo board is the ideal complement to the MPLAB ICD 2 In Circuit Debugger which enables the design engineer to evaluate the performance of Microchip high-end 8-bit microcontrollers of the PIC18F series.The board features a PIC18F8722 microcontroller, which is the superset of the entire 64- and 80-pin PIC18FXXXX general purpose family. A daughter board (mezzanine) is also part of the kit and allows different processors sharing the same pin out to be mounted and tested on the Explorer board. The same connector allows MPLAB-ICE 4000 (and via an extension MPLAB-ICE 2000) real time in circuit emulators to be attached to the board.

The Key Features include:
- PIC18F8722, 128K Flash, 80-pin TQFP microcontroller
- Daughter board and MPLAB ICE2000/4000 connector (with switch to disable on board processor)
- Convenient connection for MPLAB ICD 2 (In-Circuit Debugger) for in-circuit programming and debugging
- PIC- Tail™ connector, to allow connection to standard expansion boards
- Temperature sensor demo included (illustrates Microchip's TC77 device)
- Potentiometer (connected to 10-bit A/D, analog input channel)

403176

Mftrs. List No.	Description	Order Code	Price Each
DM183022	PICDEM HPC Explorer Board	**908-8024**	110.99

PICDEM MC LV Development Board



NEW

The PICDEM MC LV Development board is a development and education tool that provides designers with a quick and cost-effective method to evaluate both sensored and sensorless brushless DC (BLDC) motor control. Users can create embedded motor control applications using MICROCHIP's 28-pin PIC18F microcontrollers and dsPIC30F Digital Signal Controllers.

Features & Benefits:
- Capable of driving motors up to 48V, 2.2Amps
- 3-phase voltage source inverter bridge
- Temperature sensor with I^2C interface
- MPLAB ICD2 connector
- Active RS232 connector
- Speed control potentiometer
- Test points for motor current and back EMF sensing
- Optional 3-phase, 24V BLDC motor and 24V external power supply available

Kit Includes:
- PICDEM MC LV Development Board with pre-programmed (BLDC firmware) PIC18F2431 and dsPIC30F3010 devices
- Software and Documentation CD containing Motor Control GUI (MC-GUI), User's guide and sample applications programs

423040

Mftrs. List No.	Order Code	Price Each
PICDEM MC LV Development Board		
DM183021	**108-4612**	265.65
24V BLDC Motor with Cables		
AC300020	**108-4614**	256.54
24V Power Supply for PICDEM MC LV Development Board		
AC002013	**108-4617**	104.49

RoHS
● Compliant
● ◀ ++ Non-compliant
Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1436 Date: 22-08-06 time: 00:07

EPIC Plus Programmer



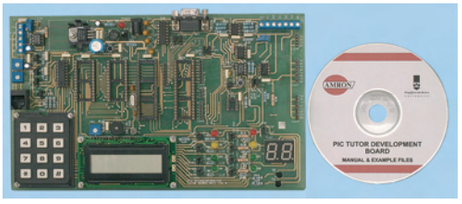
- Low Cost Programmer for: PIC12xxx, 14xxx, 16C505, 16xxx, 17xxx, 18xxx
- Upgradeable software for future Micros
- Variety of ZIF adapters available
- In-Circuit Serial Programming adapter available
- Operates on power supply, 12Vac, or 2xPP3 batteries
- Includes free Macro Assembler
- Supports Windows '95, NT and DOS

The EPIC Plus is a development level programmer for the mid-range PIC micros. Included with the programmer is an 18-pin socket for programming 8 and 18 pin DIP packages. ZIF adapters are available to program 28 and 40 pin DIP and surface mount devices. An In-Circuit Programming adapter for the 16F84 or 16C84 allows for quick erasing and programming, avoiding continual transfer between the programmer and the target system.

210838

	Order Code	Price Each
MEL-EPIC Programmer	**116-816**	164.42
MEL-4028ZFR 40/28 pin ZIF socket	**116-828**	85.53
MEL8S01CCFR 8 pin SOIC adapter	**116-830**	157.91
MEL-18SOICCFR 18 pin SOIC adapter	**116-841**	157.91

PIC Tutor and Development Board II



The PIC-TDB II is a powerful support tool for the Arizona PIC Range of Microcontrollers. The board is designed with features which make it ideal as a first step educational board as well as an advanced and powerful hardware development platform.
The PIC-TDB II is designed for use alongside a PICSTART, PICPRO, ICEPIC, PICMASTER, MPLAB ICD or any other PIC system which includes a minimum of a PIC assembler (such as a MPASM) and a PIC programmer (such as PICSTART, PICPRO, or PROMATE). The User will require the assembler (software) and a programmer as a minimum to develop programmes for the PIC tutor.

Features:

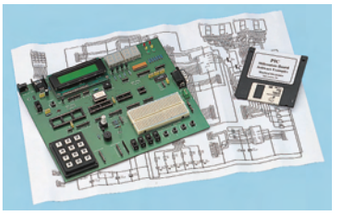
- Training/development platform for a wide range of PIC Devices
- LCD Display (16 x 2 characters with parallel interface)
- 4 x 3 Matrix keypad
- LED Display (2x7Segment)
- Real-Time Clock (Date, Day, Time etc) with serial interface
- EEPROM (SPI serial interface)
- 12-bit ADC and DAC on board (serial interface)
- Software examples and comprehensive user manual on CD ROM
- MPLAB ICD interface

Supports: PIC 12C5XX, PIC 16C5X, PIC 16C6XPIC 16C6XX,PIC 16C7X, PIC 16F8X, PIC 17C4X, PIC 16F87X.

346903

Mftrs. List No.	Description	Order Code	Price Each
PIC-TDB II	PIC Tutor & Development Board II	**731-8367**	914.70

PIC Millennium Board



The Millennium Board Starter Kit contains all the necessary components to start learning the intricacies of the PIC and is aimed at both Engineers and Students. Students can use the board to help form the core of their learning experience and also use it in "real world" applications in industry.
Once the board is assembled the user can concentrate on the software development. The board is laid out in an uncluttered way with none of the peripheral devices or I/O pins being dedicated. This concept enables maximum flexibility for project development.

The PCB has component ident and pin function information and comprises:-

Basic items - regulator and reset components, choice of a 4 or 8MHz oscillator module to drive the PIC, prototyping block for project expansion, sockets for 40, 28 (narrow), 18 and 8 pin PIC's.
Opto - alphanumeric LCD display module (16 character x 2 line) with separate backlight control, 4 seven-segment LED displays, 6 undedicated LED's.
I/O - 3 x 4 keypad for data input, dual RS232 ports, thermistor, potentiometer, 4 switches, 4 push buttons.
For programming - connectors are provided for an external ICSP programmer for in situ programming.
Full circuit diagram and construction notes are provided.

A 3.5" disk accompanying the kit contains source code examples for both CCS-C compiler and assembler for projects based on the board. Examples of applications include LED flashers, LED to LCD display driving, keyboard interfacing, A/D routines, RS232 interfacing and many more. Each project is supplied with relevant wiring information and is fully commented to assist the user in following the program.

The user will need a programmer such as the PICSTART Plus (704-740) to develop the software and program a PIC Micro.

210879

	Order Code	Price Each
PIC Millennium Board - Assembled	**324-9505**	398.60

In-Circuit Debugger Module



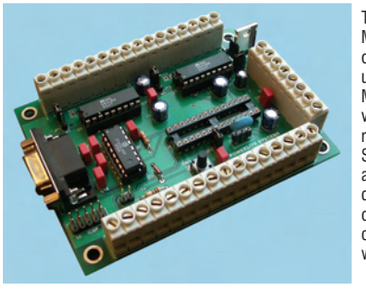
386-6725

In-Circuit Debugging Module to connect host PC to the Education Boards. Allows the remote programming and debugging of programs using the Microchip MPLAB® Integrated Development Environment. Supplied with all leads.

234165

Mftrs. List No.	Order Code	Price Each
905501	**386-6725**	179.68

PIC Block MC28AD-16



NEW

The MC28AD-16 is designed for use with 28-pin Microchip PIC chips and is the most versatile product in the PicBlock range so far.
Serial input latched drivers have enabled 16 open collector outputs requiring the use of only 4 of the PIC chip's I/O lines. This enhances the I/O capability of a 28-pin device to 32 while still maintaining functionality.

Features:

- 16 uncommitted I/O lines
- 16 500mA open collector outputs
- ICSP header
- RS232 connector for serial comms or boot-loading
- Independent pull-up options on the O/C outputs
- Onboard reset button
- Reset via RS232 connection
- Onboard 5V regulator or external power option

423187

	Order Code	Price Each
PIC Block MC28AD-16F.	**109-3780**	203.44
PIC Block MC28AD-16F.	**116-1461**	203.44

MPLAB® PM3 Universal Device Programmer



The MPLAB® PM3 Universal Device Programmer is easy to use and operates with a PC or as a stand-alone unit, and programs Microchip's entire line of PICmicro® devices as well as the latest dsPIC30F DSC devices.

The Key Features include:

- RS-232 or USB interface
- Integrated In Circuit Serial Programming™ (ICSP™) interface
- Fast programming time
- Three operating modes: PC Host mode for full control, Safe mode for secure data and Standalone mode for programming without a PC.
- Complete line of interchangeable socket modules to support all Microchip devices and package options (sold separately)
- SQTP™ serialization for programming unique serial numbers while in PC Host mode.
- Alternate DOS command line interface for batch control

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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- Supports PROMATE II socket modules via adapter (sold separately)
- Large easy-to-read display
- Field upgradeable firmware allows quick new device support
- Secure Digital (SD) and Multimedia Card (MMC)
- Buzzer notification for noisy environments

346954

Mftrs. List No.	Description		Order Code	Price Each
DV007004	Production Programmer/Development Kit		698-4150	1,655.84
AC164301	40L DIP Socket Module for MPLAB		698-3960	351.50
AC002021	MPLAB PM3 ICSP Cable	NEW	111-2730	44.87
ACICE0401	Power supply for use with MPLAB ICE4000, and MPLAB PM3 Programmer	NEW	111-2770	106.86

MPLAB ICE 4000 High Performance In-Circuit Emulator



MPLAB ICE 4000 is a powerful, full featured real-time In-Circuit emulator capable of debugging the most demanding real time systems.
The MPLAB ICE 4000 is intended to provide the product development engineer with a complete microcontroller design tool set for high end PICmicro microcontrollers Software control of the emulator is provided by the MPLAB integrated Development environment, which allows editing, building, downloading and source debugging from a single environment.
The MPLAB ICE 4000 is a premium emulator system providing the features of MPLAB ICE 2000, but with increased emulation memory and high speed performance for dsPIC30F and PIC18XXXX devices.

Features:
- Full speed emulation
- Low voltage emulation down to 1.8 Volts or device limit
- 64K deep X 216-bit wide Trace Memory
- Up to 2 MB of addressable memory
- Unlimited breakpoints
- Complex break, trace and trigger logic
- Multi-level trigger up to 4 levels
- 48- bit time stamp
- Stop watch
- External inputs
- External output to synch with other instrumentation
- USB port and parallel port connection to PC

311393

			Order Code	Price Each
ICE4000	MPLAB ICE 4000 In-Circuit Emulator		435-4102	4,736.26
PMF18WE0	ICE4000 Processor Module for 18F8/6XX	NEW	111-2780	1,272.05
PMF18WS0	ICE4000 Processor Module for PIC18F8722	NEW	111-2754	1,196.40
PMF30XA1	ICE4000 Processor Module for DSPIC30F	NEW	111-2784	1,272.05
DAF18-1	ICE4000 Device Adapter for for most PIC18FXXX in 64/84L packages		435-4138	416.27
DAF18-4	ICE4000 Device Adapter for PIC18F DIP 18/28/40 pin	NEW	111-2748	452.40
DAF30-4	ICE4000 Device Adapter for dsPIC30F DIP 18L/28L/40L	NEW	111-2749	481.00
XLT28QFN4	Socket, Transition ICE4000 for 28-Lead QFN	NEW	111-2775	74.00
XLT68L1	Socket, Transition ICE4000 for 68-Lead PLCC		435-4140	323.77
XLT84L1	Socket, Transition ICE4000 for 84-Lead PLCC		435-4151	323.77
ACICE0306	MPLAB-ICE 28Pin SOIC Adapter Plug	NEW	111-2777	111.74
ACICE0401	Power supply for use with MPLAB ICE4000, and MPLAB PM3 Programmer	NEW	111-2770	106.86

MPLAB-ICE Real-Time Emulator



MPLAB-ICE is a high-performance, Real-Time In-Circuit Emulator for the PIC microcontrollers. The system is portable, light weight and connects to a portable or desktop PC parallel port. It provides a migration path for users of PICMASTER Probe kits. The system is designed for easy interchange of processor modules to allow emulation of different processors. MPLAB IDE with MPASM macro assembler, editor, symbolic debugger, project manager with built-in support for high-level languages are also included.

The MPLAB-ICE 2000 features include:
- Full speed Real-Time Emulation
- Programmable clock
- Low voltage operation
- Upto 65,535 breakpoints
- Assembly and C source level debugging
- Program memory emulation and memory mapping capability up to 64K words
- Real-Time trace with up to 32K deep by 128 bit wide buffer
- Trigger/break/trace on internal registers/RAM
- Complex breakpoints with advanced trigger features, including sequential events, AND/OR events, filtered trace, time between events and pass counts
- External trigger input and output for logic analyzer/scope interface
- Time-stamp trace feature
- Code coverage
- Supports all PICmicro package types

The modular system consists of:
- Emulator Pod
- Processor Module
- Device Adaptor
- Translation Socket

Supplied with a universal power supply (100 - 240V, 0.55 - 0.3A, 60/50Hz)UK (240Vac) power supply, 9V, 500mA. UK mains plug lead **439-319**. European mains plug lead **210-699**.

210882

			Order Code	Price Each
ICE2000	MPLAB-ICE real time emulator		121-393	1,850.10
ACICE0108	MPLAB ICE 2000 USB/Parallel Adapter	NEW	108-4627	211.62
PCM14XAO	Processor module for 16F629/675		430-0828	823.29
PCM16XAO	Processor module for 12C50x, 12CE51x, 16C505/52/54A/54B/55/56/56A/57/58A/58B		121-435	823.29
PCM16XB1	Processor module for 16C62A/63/64A/65A/72/73A/74A		326-6825	823.29
PCM16XCO	Processor module for 16C554/558/620/620A/621/621A/622/622A/CE623/CE624/CE625		121-459	823.29
PCM16XH0	Processor module for 16F83/84		121-502	823.29
PCM16XK1	Processor module for 16F873/874/876/877		392-8251	823.29
PCM16XPO	Real-Time Emulator Processor module for 16F627/628...		352-9060	823.29
PCM16XQ1	Real-Time Emulator Processor Module for 16C745/765..		352-9071	823.29
PCM16XR1	Processor module for PIC16F870/871		424-2014	823.29
PCM16XS2	Processor Module for 16F7x		410-3592	823.29
PCM16XVO	Processor module for PIC16F877A/876A/874A/873A/872A/871A/870A		424-2038	823.29
PCM16YE0	Processor Module for 16F818, 819		469-1593	823.29
PCM16YG0	Processor Module for PIC16F87/88	NEW	111-2762	951.34
PCM16YH0	Processor Module for PIC16F777	NEW	111-2763	951.34
PCM17XAO	Processor module for 17C42A/43/44/752/756/756A/76x		121-526	823.29
PCM18XE1	Processor Module for PIC18F6620/8720/8520/6520		501-0895	823.29
PCM18XH0	Processor Module for 18F242/252/442/452/2220/2320/4220/4320		927-2860	823.29
PCM18XJ0	Processor Module for PIC18F1320/1220		501-0913	823.29
PCM18XK0	Processor Module for PIC18F6525/6585/6621/6680/8525/8585/8621/8680		770-9692	823.29
PCM18XL0	Processor Module for PIC18F4X31, 2X31		770-9706	823.29
PCM18XD1	Processor Module for PIC18F2X8/4X8		466-3081	823.29
DVA12XP081	Device adapter for 8-pin 12C671/672, CE673/674 PDIP and SOCI (207 mil)		121-540	231.26
DVA16PQ441	Device adapter for 44-pin 16C64A/65A/65B/67/662/74A/74B/765/77/774, F871/F871A/874/877, 18Cxx2 PQFP and TQFP		430-0853	416.27
DVA16XP180	Device Adapter for 18/20-pin 16C52/54/54A 54B/56/56A/58A/554/558/620/620A/621/621A/622/622A/CE623/CE624/CE625/71/710/711/715/F83/F84 FDIP, SOIC and SSOP		121-575	231.26
DVA16XP183	Real-Time Emulator Device Adaptor for 18 pin 16F627/628 PDIP, SOIC and SSOP		352-9022	305.27
DVA16XP186	Device Adapter for PIC16F818/819		469-1600	305.27
DVA16XP282	Device adapter for 28 Pin 16CG2A/63/642/66/72/72A/73A/76/16F870/872/873/876/PIC18CXX2/PDIP, SOIC,SSOP		334-8581	305.27
DVA16XL441	Device adapter for 44-pin 16C65A/67/662/74A/77 PLCC		121-617	305.27
DVA16XP401	Device Adapter for 40-pin PIC16C64A/65A/65B/67/662/74A/74B/77/774/874/877/PIC18Cxx2		348-1311	305.27
DVA18PQ440	PIC18F4320 44-pin TQFP Device Adapter	NEW	111-2760	416.27
DVA18PQ640	PIC18C658 64-pin TQFP Device Adapter		371-6697	416.27
DVA18PQ800	PIC18C858 80-pin TQFP Device Adapter		477-6288	461.70
DVA18PQ802	PIC18F8680/6680/8565/6585/6621/6525/8621/8525 64-pin TQFP/80-pin TQFP Device Adapter	NEW	111-2786	481.00
DVA18XP280	PIC18F2220/2320 28-pin Device Adapter		500-7951	305.27
DVA18XP400	PIC18F4220/4320 40-pin Device Adapter		501-0860	305.27
XLT18SO	18-pin SOIC (300 mil) transition socket		121-710	138.76
XLT28SO	28-pin SOIC (300 mil) transition socket		119-921	138.76
XLT14SS	14-pin SSOP transition socket	NEW	111-2765	160.33
XLT20SS	20-pin SSOP transition socket		119-933	138.76
XLT44PT	Processor module for 16F627/628		423-1417	231.26
XLT64PT2	PIC17/18C/18F 64-pin TQFP Transition Socket		371-6752	231.26
XLT80PT	PIC18C801 80-pin TQFP Transition Socket		371-6892	231.26

* Transition plug not required for this item

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The very latest NEW products

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● Non-compliant
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ICEPIC/ICEPIC2 –- In-Circuit Emulator (with trace facility)



Developed by ex-Microchip system designers, under contract from Microchip, the ICEPIC and ICEPIC2 offer the best value for money In-Circuit Emulators for the PIC microcontroller on the market.

Features: ICEPIC & ICEPIC2

- Full speed, real time emulation to10/ 20MHz
- Single, multiple and procedure step
- Microchip emulation chip inside
- Source level debug in Assembler or 'C'
- Unlimited number of break points
- Display and modify any register (program or data)
- Same interface for all PIC16C5X/ 16CXX
- User selectable processor speeds (via oscillator module)
- Runs under Microsoft Windows 3.X, Win95/98/NT
- Runs with 'MPLAB' IDE
- High speed RS232 interface (57.6Kbps)
- Simple to use toolbar
- Display and work in HEX/DEC/BIN
- Fully compatible with Microchip's software tools
- Full context sensitive help

Additional features: ICEPIC2

- Real-time trace
- Trigger output
- PIC17C emulation upgrade

The ICEPIC and ICEPIC2 are supplied as a system with Power Supply, RS232 cable, software (including WinMPASM assembler) and full supporting documentation.
Each daughter board may be used in conjuction with either ICEPIC or ICEPIC2 (17C4X=ICEPIC2 only) for emulation of the various PIC families as listed. Daughter boards are fully interchangeable and are supplied with the relevant probe header cable with DIP header to plug into the target application circuit board. 790-436 and 790-448 require the user's choice of daughter board.
A demo disk and user manual set is available for in-depth evaluation of what the ICEPIC has to offer.
See Accessories below for power supply options.

210568

		Order Code	Price Each
ICEPIC2	Emulator with trace facility for PIC16, 17 families, without daughterboard	**790-448**	1,395.00
ICEPIC-DB74A	Daughterboard for PIC16C6X, 7X families	**630-755**	837.00
ICEPIC-DB77	Daughterboard for PIC16C66, 67, 76, 77 families.	**110-577**	837.00
ICEPIC-DB84A	Daughterboard for PIC16X8X families	**630-810**	697.50

Note: The ICEPIC-DBA12C adaptor board is used in conjunction with the ICEPIC-DB5X daughter board as a sub-assembly adapting an 18-pin socket to an 8-pin.
ICEPIC and ICEPIC2 do not work with IAR compilers.

*Includes 68 Pin PLCC Plug.

ICEPIC-In-Circuit Emulator Accessories

210813

		Order Code	Price Each
ICEPIC-PSU-INTL	Switching PSU 9V, 900mA IEC (110-240Vac)	**110-711**	69.75
	UK mains plug lead	**112-4400**	17.60
	European mains plug lead	**112-4379**	12.76

'C' Compiler for PIC17/18

The MPLAB-C17 and -C18 are full-featured compilers compatible with MPLAB-IDE, which allows for quick movement between different development and debugging modes from software debugging with MPLAB-SIM to hardware debugging with MPLAB-ICE.
MPLAB-C17 and -C18, designed for PIC17Cxxx and PIC18Cxxx families allow for:

- Code to be written in high level 'C' language using PICmicro libraries
- Use of software stack for max RAM re-usability
- Optimal code space efficiency, without a stack
- User configurable interrupt support macros
- MPLAB-C17 and -C18 will run on any 386+, DOS 5.0+ or 32-bit Wins 95/NT executive

The development package includes:

- MPLAB-C17 or -C18 Compiler software
- MPLAB software
- Complete documentation
- Microchip CD-ROM with data, embedded control information and applications notes

210928

	Order Code	Price Each
MPLAB-C18 C compiler for PIC18Cxxx family .	**315-4841**	915.80

PIC C-Compiler

- Built-in libraries to work with all chips for RS232 serial I/O library, I/O, I^2C, discrete I/O and precision delays
- Integrates with MPLAB and other simulators/emulators for source level debugging
- Standard Hex file and debug files for all programmers
- Efficient function implementation
- Access to hardware features from easy to use C functions, Timers, A/D, E^2, etc.
- Assembly code may be inserted anywhere in the source and may reference C variables
- #Bit and #BYTE allows C variables to be placed at absolute addresses to map register to C variables
- Automatic linking for multiple code pages
- Both an Integrated editor/compiler and a CMD line compiler
- Special windows show the RAM memory map, C/Assembly listing and the calling tree
- Updates via modem for 30 days included

The C-Compiler for the Microchip PIC processors is fully optimised for these parts. Built-in functions make coding and software easy. The integrated C development environment allows for fast and efficient code from an easily maintainable high level language.

The compilers are available in two versions - command line compiler (PCB, PCM or PCH) and compiler with Windows IDE (PCW and PCWH).
The PCW C-Compiler for PICmicro contains both 'PCB' and 'PCM'.
The PCWH C-Compiler for PICmicro contains both 'PCW' and 'PCH'.
These types have Windows Integrated Development Environment and run under Windows 3.1, 95, 2000 and NT.

All versions include:

- Command Line Compiler
- Built-in Functions
- Program Examples
- Device Drivers
- MPLAB Interface
- Call Tree and Memory Map

Features	PCB	PCM	PCH	PCW	PCWH
Windows IDE	—	—	—	✓	✓
C Aware Editor	—	—	—	✓	✓
New Project Wizard	—	—	—	✓	✓
Extra Optimisation	—	—	—	✓	✓
Device Selector/Editor	—	—	—	✓	✓
Statistics	—	—	—	✓	✓
Special Viewers	—	—	—	✓	✓
Serial Port Utility	—	—	—	✓	✓
12-bit support	✓	—	—	✓	✓
14-bit support	—	✓	—	✓	✓
PIC18 support	—	—	✓	—	✓

210689

	Order Code	Price Each
PCM - C compiler for PIC16C61-84	**791-428**	358.05
PCW - C compiler for Windows	**796-931**	1,092.75
PCH - C Compiler for PIC18xxx devices	**394-3185**	478.95
PCWH - C Compiler for Windows	**394-3203**	1,255.50

BASIC Pro Compiler

The professional version of the PicBasic compiler makes it even easier to program PIC microcontrollers. Many additional features are added and the compiler can also be used within Microchip's MPLAB IDE software.

Features:

- Direct and library access to any pin or register
- Automatic page boundary handling past 2K
- Bit, byte and word arrays
- Real **If...Then...Else...Endif**
- Hierarchical expression handling
- Interrupts in BASIC and assembler
- More variable space (processor dependant)
- In-line assembler and **Call** support
- MPASM / ICE compatibility
- Use in DOS or Windows

210985

	Order Code	Price Each
MEL-BPRO	**329-6933**	646.35

BASIC Stamp Development Kit



BASIC Stamp2 is a module that runs easy-to-read BASIC programs. Its features make it ideal for many prototyping and control applications and it is programmed from a standard PC. It becomes a fully autonomous unit once programmed. The Stamp is fully programmable up to 1,000,000 times with retaining capability even after powerdown.

The Kit comprises:-

- A manual covering programming language, examples/detailed applications, Stamp editor software for the PC (manuals may be updated)
- Stamp2 module and project board
- Programming cable

210784

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Order Code	Price Each
Stamp2 development kit	**688-680**	322.25
BASIC Stamp2 module	**111-235**	141.45

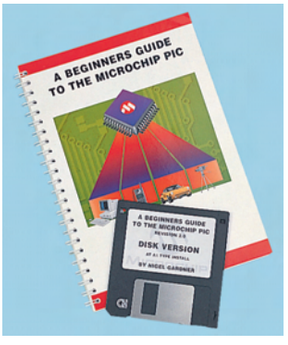
PIC Socket Modules

MICROCHIP

210521

	Order Code	Price Each
ICSP socket module	**113-608**	647.52
PIC12C50x, 50xA, 51x, 67x, CE67x, 16C505 socket module	**306-9230**	240.49
PIC16C505, 51x, 50xA socket module (DIP)	**315-4956**	296.00
PIC16C62 28-pin Socket Module(SOIC/SSOP)	**500-7859**	296.00
PIC16C62, 63, 66, 642, 72, 73, 76, 773, 873, 876 socket module (14 Pin)	**315-4919**	296.00
PIC16C64/74 socket module	**445-666**	296.00
PIC16C71/84 socket module	**271-007**	351.50
PIC17C75x, 18C658 PLCC 68-pin socket module	**315-4981**	296.00
8-pin DFN-S (MLF) adapter for PICStart+ and PROMATE II with AC164012 (445-666) socket module	**424-1990**	296.00
Universal Programming Module for ICD2, PICStart+ and PROMATE II	**424-2002**	73.99
Power supply	**110-711**	69.75
UK mains lead	**112-4400** ●	17.60
Lead, European 2.5M, Black	**112-4379** ●	12.76

A Beginners Guide to the PIC – Revised Edition



Written by Nigel Gardner of Bluebird Electronics. The aim of this book/disk set is to give those who have never worked with the PIC a good understanding of its use. For those who have not programmed before guidance is given on how to get started and how to debug. Topics covered include an introduction to the PIC, software, hardware, problems/bugs etc and projects. The book is supplied with a 3½" disk providing assembler, simulator and source code examples.

210529

	Order Code	Price Each 1+	Price Each +
PIC Beginners Guide Edition Three	**489-359**	58.12	– –

PIC Cookbook – Volume 1



Following on from 'A Beginners Guide to The PIC' Nigel Gardner and Pete Birnie have compiled PIC Cookbook – Volume 1.

A collection of 40 working applications including:-

- Boat/caravan intruder alarms
- Magnetic swipe card reader
- PIR security centre
- Traffic light sequencer
- Radio control system
- Mains frequency indicator
- Car left/right/hazard timer
- Radar speed sensor interface

and many more...

Includes a diskette with source code for all the applications.

210600

	Order Code	Price Each 1+	Price Each +
PIC Cookbook - Volume 1	**654-991**	58.12	– –

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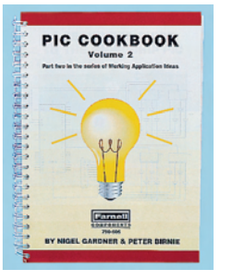
PIC Cookbook – Volume 2



Following the success of PIC Cookbook - Volume 1 (order code 654-991). Nigel Gardner and Peter Birnie have complied Volume 2 which continues the trend of giving the reader a description of the application, circuits and flowcharts.

Topics covered include:-

- Square and pulse generator
- Electronic lock using PIC16C84
- 1200 baud modem
- Interface to MAXIM 12-bit A/D and D/A devices
- Keyboard scanner for 80 keys
- Battery voltage checking without an A/D
- Marine electronics NMEA level/data converter/display
- Interfacing to DTMF encoders and decoders
- Greenhouse watering system
- Assembler functions - improve your programming efficiency

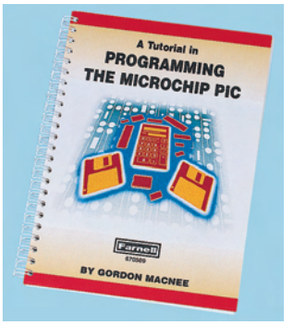
and many more...

Includes a diskette with source code for all the applications.

210686

	Order Code	Price Each 1+	Price Each +
PIC Cookbook - Volume 2	**790-606**	58.12	– –

A Tutorial in Programming the Microchip PIC



This is an ideal book for those who have basic knowledge of microcontrollers, by the author of "The Greatest Little PIC Book" - Gordon MacNee and Paul Benford. The book leads the reader through a number of code segments that can be used as standalone blocks of code or integrated into other projects. It also covers programming principals and techniques for the PIC and configuration of the most popular peripherals.

Code segments covered:

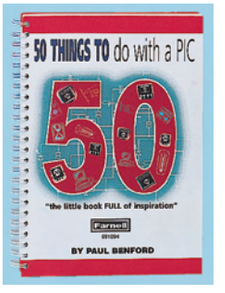
- USART set-up for RS232 communications in hardware
- How to communicate to a PC using software USART
- How to handle timers and interrupts
- ADC set up and use
- LCD interface
- An introduction to the MPLAB development environment

All code examples are on the accompanying 3.5 inch disk.

210773

	Order Code	Price Each 1+	Price Each +
A tutorial in programming the Microchip PIC	**670-509**	62.78	– –

50 Things To Do with a PIC



In this his second lab book the author, Paul Benford, has sought to collect fifty design briefs and ideas using the latest PIC devices, to inspire the design engineer to look at many of the features available on the second and third generation PIC micros.

This work offers a total of 50 design ideas with full block diagrams, code examples and design tips. The author also explains the selection of the device and advantages in using the device.

The book is ideal for the design engineer wth some PIC experience and also for undergraduate project work. A Microchip CD-ROM is included.

Projects and designs include:

- Lighting controller
- Real Time Clock
- Personal Alarm
- Keyless entry
- Digital thermometer
- Auto baud detection
- Stepper motor control

... and many more.

210865

	Order Code	Price Each
50 Things To Do With a PIC	**691-094**	62.78

● Compliant ◀ Non-compliant ++ Limited stock - RoHS replacement available

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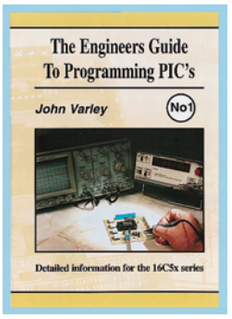
Farnell Page 1440 Date: 22-08-06 time: 00:09

The Engineers Guide to Programming PICs



- Detailed information on the 16C5x series with many examples of program code and illustrated with comprehensive tables showing the status of all relevent the registers as the code is executed
- A practical guide which is ideal for engineers who wish to learn to write programme code in a professional way
- Suitable for BTEC students as course learning material with many worked examples of each instruction so that the reader can easily follow the programmes
- A selection of real world problems for the reader to solve and so gaining confidence and experience of use
- How to use the PICSTART and MPLAB software

The Book shows how to;

- Initialize the PIC I/0, option and real time clock registers construct loops and delays
- Scan the input ports for keypad information
- Multiplex the outputs for LED displays
- Use logical instructions
- Use mathematical instructions and how to construct basic multiplication and division routines
- Put the PIC to sleep and wake it up again
- Use the watch dog timer
- Convert programs to run on the 12Cxx and 16C84

Also included is a decimal - hex - binary look up table and fold out reference sections

223567

Order Code	Price Each
183-143	49.41

PIC Microcontrollers

PIC Microcontrollers - Numeric Selection Chart

210770

Product	Program Memory OTP		EEPROM	Data RAM Bytes	Max. Speed MHz	I/O Ports	ADC 8-Bits	Serial I/O	PWM	Brown-Out Detection	Comparators	Timers	In-System Programming	Other Features
	Bytes	Words												
PIC12CXXX - 1000ns Instruction Execution, 33/35 Instructions														
PIC12C508	768	512 x 12		25	4	6						1+WDT	Yes	InOs
PIC12C509	1536	1024 x 12		41	4	6						1+WDT	Yes	InOs
PIC12C671	1792	1024 x 12		128	10	6	4					1+WDT	Yes	InOs
PIC12C672	3584	2048 x 12		128	10	6	4					1+WDT	Yes	InOs
PIC12CE518	768	512 x 12	16	25	4	6						1+WDT	Yes	InOs
PIC12CE519	1536	1024 x 12	16	41	4	6						1+WDT	Yes	InOs
PIC12CE673	1792	1024 x 14	16	128	10	6	4					1+WDT	Yes	InOs
PIC12CE674	3584	2048 x 14	16	128	10	6	4					1+WDT	Yes	InOs
PIC16C5X - 200ns Instruction Execution, 33 Instructions														
PIC16C52	576	384 x 12		25	4	12						1		
PIC16C54	768	512 x 12		25	20	12						1+WDT		
PIC16C54A	768	512 x 12		25	20	12						1+WDT		
PIC16C54C	768	512 x 12		25	20	12						1+WDT		
PIC16C55	768	512 x 12		24	20	20						1+WDT		
PIC16C55A	768	512 x 12		24	20	20						1+WDT		
PIC16C56	1536	1024 x 12		25	20	12						1+WDT		
PIC16C56A	1536	1024 x 12		25	20	12						1+WDT		
PIC16C57	3072	2048 x 12		72	20	20						1+WDT		
PIC16C58A	3072	2048 x 12		73	20	12						1+WDT		
PIC16C58B	3072	2048 x 12		73	20	12						1+WDT		
PIC16C505	1536	1024 x 12		41	4	12						1+WDT	Yes	InOs
PIC16HV540	768	512 x 12		25	20	12				Yes		1+WDT		HVIO
PIC16CXXX - 4-12 Interrupts, 200ns Instruction Execution, 35 Instructions, Upwardly Compatible with PIC16C5X														
PIC14000	7168	4096 x 14		192	20	20	8 SLAC	I²C™/SMB	-		2	2+WDT	Yes	BVref, InOs, TS
PIC16C554	896	512 x 14		80	20	13						1+WDT	Yes	
PIC16C558	3584	2048 x 14		128	20	13						1+WDT	Yes	
PIC16C61	1792	1024 x 14		36	20	13						1+WDT	Yes	
PIC16C62	3584	2048 x 14		128	20	22		I²C/SPI	1			3+WDT	Yes	CCP
PIC16C62A	3584	2048 x 14		128	20	22		I²C/SPI	1	Yes		3+WDT	Yes	CCP
PIC16C63	7168	4096 x 14		192	20	22		USART/I²C/SPI	2	Yes		3+WDT	Yes	CCP
PIC16C63A	7168	4096 x 14		192	20	22		USART/I²C/SPI	2	Yes		3+WDT	Yes	CCP
PIC16C64	3584	2048 x 14		128	20	33		I²C/SPI	1			3+WDT	Yes	PSP,CCP
PIC16C64A	3584	2048 x 14		128	20	33		I²C/SPI	1	Yes		3+WDT	Yes	PSP,CCP
PIC16C65	7168	4096 x 14		192	20	33		USART/I²C/SPI	2			3+WDT	Yes	PSP, 2CCP
PIC16C65A	7168	4069 x 14		192	20	33		USART/I²C/SPI	2	Yes		3+WDT	Yes	PSP, 2CCP
PIC16C65B	7168	4069 x 14		192	20	33		USART/I²C/SPI	2	Yes		3+WDT	Yes	PSP, 2CCP
PIC16C66	14336	8192 x 14		368	20	22		USART/I²C/SPI	2	Yes		3+WDT	Yes	PSP, CCP
PIC16C67	14336	8192 x 14		368	20	33		USART/I²C/SPI	2	Yes		3+WDT	Yes	CCP
PIC16C620	896	512 x 14		80	20	13				Yes	2	1+WDT	Yes	PVref
PIC16C621	1792	1024 x 14		80	20	13				Yes	2	1+WDT	Yes	PVref
PIC16C621A	1792	1024 x 14		96	20	13				Yes	2	1+WDT	Yes	
PIC16C622	3584	2048 x 14		128	20	13				Yes	2	1+WDT	Yes	PVref
PIC16C71	1792	1024 x 14		36	20	13	4					1+WDT	Yes	
PIC16C72	3584	2048 x 14		128	20	22	5	I²C/SPI	1	Yes		3+WDT	Yes	CCP
PIC16C73	7168	4096 x 14		192	20	22	5	USART/I²C/SPI	2			3+WDT	Yes	2CCP
PIC16F73	7168 (Flash)	4096 x 14		192	20	22	5	USART/I²C/SPI	2	Yes		3+WDT	Yes	2CCP
PIC16C73A	7168	4096 x 14		192	20	22	5	USART/I²C/SPI	2	Yes		3+WDT	Yes	2CCP
PIC16C74	7168	4096 x 14		192	20	33	8	USART/I²C/SPI	2			3+WDT	Yes	PSP, 2CCP
PIC16F74	7168 (Flash)	4096 x 14		192	20	33	8	USART/I²C/SPI	2	Yes		3+WDT	Yes	2CCP, PSP
PIC16C74A	7168	4096 x 14		192	20	33	8	USART/I²C/SPI	2	Yes		3+WDT	Yes	PSP, 2CCP
PIC16C76	14336	8192 x 14		368	20	22	5	USART/I²C/SPI	2	Yes		3+WDT	Yes	CCP
PIC16F76	14336 (Flash)	8192 x 14		368	20	22	5	USART/I²C/SPI	2	Yes		3+WDT	Yes	2CCP
PIC16C77	14336	8192 x 14		368	20	33	8	USART/I²C/SPI	2	Yes		3+WDT	Yes	PSP, CCP

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Product	Program Memory OTP		EEPROM	Data RAM Bytes	Max. Speed MHz	I/O Ports	ADC 8-Bits	Serial I/O	PWM	Brown-Out Detection	Comparators	Timers	In-System Programming	Other Features
	Bytes	Words												
PIC16CXXX - 4-12 Interrupts, 200ns Instruction Execution, 35 Instructions, Upwardly Compatible with PIC16C5X														
PIC16F77	14336 (Flash)	8192 x 14		368	20	33	8	USART/I²C/SPI	2	Yes		3+WDT	Yes	2CCP, PSP
PIC16C710	896	512 x 14		36	20	13	4			Yes		1+WDT	Yes	
PIC16C711	1792	1024 x 14		68	20	13	4			Yes		1+WDT	Yes	
PIC16C712	1792	1024 x 14		128	20	13	4		1	Yes		3+WDT	Yes	CCP
PIC16C715	3584	2048 x 14		128	20	13	4			Yes		1+WDT	Yes	
PIC16C716	3584	2048 x 14		128	20	13	4		1	Yes		3+WDT	Yes	CCP
PIC16C717	3584	2048 x 14		256	20	16	6 (10bits)	I²C/SPI	1	Yes		3+WDT	Yes	LVD, Vref
PIC16CE623	896	512 x 17	128	96	20	13				Yes	2	1+WDT	Yes	PVref
PIC16CXXX - 4-12 Interrupts, 200ns Instruction Execution, 35 Instructions, Upwardly Compatible with PIC16C5X														
PIC16CE624	1792	1024 x 14	128	96	20	13				Yes	2	1+WDT	Yes	PVref
PIC16CE625	3584	2048 x 14	128	128	20	13				Yes	2	1+WDT	Yes	PVref
PIC16F627	1792 (Flash)	1024 x 14 (Flash)	128	224	20	16		USART/SCI	1	Yes	2	1+WDT	Yes	CCP
PIC16F628	3584 (Flash)	2048 x 14 (Flash)	128	224	20	16		USART/SCI	1	Yes	2	1+WDT	Yes	CCP
PIC16F83	896 (Flash)	512 x 14 (Flash)		36 (64 E²)	10	13						1+WDT	Yes	
PIC16C84	1792 (E²PROM)	1024 x 14(E²PROM)		36 (64 E²)	10	13						1+WDT	Yes	
PIC16F84	1792 (Flash)	1024 x 14 (Flash)		36 (64 E²)	10	13						1+WDT	Yes	
PIC16F84A	1792 (Flash)	1024 x 14 (Flash)	64	68	20	13						1+WDT	Yes	
PIC16C745	3584 (Flash)	8192 x 14	64	128	20	22	5 (10bits)	USART	1	Yes				
PIC16F870	3584 (Flash)	2048 x 14 (Flash)	64	128	20	22	5 (10bits)	USART	1	Yes	—	3+WDT	Yes	CCP
PIC16C871	3584 (Flash)	2048 x 14 (Flash)	64	128	20	33	8 (10bits)	USART	1	Yes	—	3+WDT	Yes	CCP, PSP
PIC16C642	7168	4096 x 14		176	20	22			1	Yes	2	1+WDT	Yes	PVref
PIC16C662	7168	4096 x 14		176	20	33				Yes	2	1+WDT	Yes	PSP, PVref
PIC16C770	3584	2048 x 14		256	20	16	6 (12bits)	I²C/SPI	1	Yes		3+WDT	Yes	4MHz INT OSC ECCP
PIC16C771	7168	4096 x 14		256	20	16	6 (12bits)	I²C/SPI	1	Yes		3+WDT	Yes	4MHz INT OSC ECCP
PIC16C773	7168	4096 x 14		256	20	22	6 (12bits)	USART/I²C/SPI	2	Yes		1+WDT	Yes	CCP
PIC16C774	7168	4096 x 14		256	20	33	10 (12bits)	USART/I²C/SPI	2	Yes		1+WDT	Yes	CCP, P ,PSP
PIC16C745	14336	8192 x 14	-	256	24	22	5	USART	2	Yes	-	3+WDT	Yes	2CCP, USB,1.1, 64b Dual Port RAM
PIC16C765	14336	8192 x 14	-	256	24	22	8	USART	2	Yes	-	3+WDT	Yes	2CCP, usb, 1.1, 64b Dual Port RAM, PSP
PIC16F872	3584 (Flash)	2048 x 14 (Flash)	64	128	20	22	5 (10bits)	I²C/SPI	1	Yes		3+WDT	Yes	CCP, ICD
PIC16F873	7168	4096 x 14	128	192	20	22	5	USART/I²C/SPI	2	Yes		1+WDT	Yes	CCP
PIC16F874	7168	4096 x 14	128	192	20	33	8	USART/I²C/SPI	2	Yes		1+WDT	Yes	CCP, PSP
PIC16F876	14336	8192 x 14	256	368	20	22	5	USART/I²C/SPI	2	Yes		1+WDT	Yes	CCP
PIC16F877	14336	8192 x 14	256	368	20	33	8	USART/I²C/SPI	2	Yes		1+WDT	Yes	CCP, PSP
PIC16C923	7168	4096 x 14		176	8	52		I²C/SPI	1			3+WDT	Yes	CCP, LCD Module
PIC16C924	7168	4096 x 14		176	8	52	5	I²C/SPI	1			3+WDT	Yes	CCP, LCD Module
PIC16C925	7168	4096 x 14		176	8	52	5 (10bits)	I²C/SPI	1	Yes		3+WDT	Yes	CCP/LCD, self read
PIC16C926	14336	8192 x 14		336	8	52	5 (10bits)	I²C/SPI	1	Yes		3+WDT	Yes	CCP/LCD, self read
PIC17CXXX - 120ns Instruction Execution Including Multiply, 58 Instructions, Upwardly Compatible with PIC16CXX/PIC16C5X														
PIC17C42A	4096	2048 x 16		232	33	33		USART	2			4+WDT		2 CAP
PIC17C43	8192	4096 x 16		454	33	33		USART	2			4+WDT		2 CAP
PIC17C44	16384	8192 x 16		454	33	33		USART	2			4+WDT		2 CAP
PIC17C752	16384	8192 x 16		678	33	50	12	USART/I²C/SPI	3	Yes		4+WDT		CAP
PIC17C762	16384	8192 x 16		678	33	66	16	USART/I²C/SPI	3	Yes		4+WDT	Yes	CAP
PIC17C756	32768	16384 x 16		902	33	50	12	USART/I²C/SPI	3	Yes		4+WDT		CAP
PIC17C766	32768	16384 x 16		902	33	66	16	USART/I²C/SPI	3	Yes		4+WDT	Yes	CAP
PIC18CXXX - 77 Instructions, C Compiler efficient Instruction set, Upwardly Compatible with PIC17CXX/PIC16CXX/PIC16C5X/PIC12CXXX														
PIC18C242	16384	8192 x 16		512	40	23	5 (10bits)	USART/I²C/SPI	2	Yes		4+WDT	Yes	2 CCP, 8 x 8 Multiply
PIC18C252	32768	16384 x 16		1536	40	23	5 (10bits)	USART/I²C/SPI	2	Yes		4+WDT	Yes	2 CCP, 8 x 8 Multiply
PIC18C442	16384	8192 x 16		512	40	34	8 (10bits)	USART/I²C/SPI	2	Yes		4+WDT	Yes	PSP, 2 CCP, 8 x 8 Multiply
PIC18C452	32768	16384 x 16		1536	40	34	8 (10bits)	USART/I²C/SPI	2	Yes		4+WDT	Yes	PSP, 2 CCP, 8 x 8 Multiply
PIC18C658	32768	16384 x 16	-	1536	40	52	12 (10bits)	USART/MI²C/SPI CAN 2.0B	2	Yes	2	4+WDT	Yes	2CCP, PLVD, PrVref, 3 TxBuff, 2 RxBuff
PIC18C601	ROMless	ROMless	-	1536	25	31	8 (10bits)	USART/MI²C/SPI	2			4+WDT	Yes	256K EMA, 9bit BLR
PIC18C601	ROMless	ROMless	-	1536	25	42	12 (10bits)	USART/MI²C/SPI	2			4+WDT	Yes	2Mb EMA, 9bit BLR
PIC18C858	32768	16384 x 16	-	1536	40	68	16 (10bits)	USART/MI²C/SPI CAN 2.0B	2	Yes	2	4+WDT	Yes	2CCP, PLVD, PrVref, 3 TxBuff, 2 RxBuff
PIC18CXXX - 77 Instructions, C Compiler efficient Instruction set, Upwardly Compatible with PIC17CXX/PIC16CXX/PIC16C5X/PIC12CXXX, Switchable Oscillator Source														
PIC18F01C	2048(Flash)	1024 x 16(Flash)	64	256	40	6				Yes		1+WDT	Yes	ICD, Internal Osc.
PIC18F02C	4096(Flash)	2048 x 16(Flash)	64	256	40	6				Yes		1+WDT	Yes	ICD, Internal Osc.

Abbreviations

ADC = Analog-to-Digital- Converter
BLR = boot Loader RAM
BVref = Bandgap Vref
CAP = Capture
CCP = Capture/Compare/PWM
DAC = Digital-to-Analog Converter
E² = EEPROM (Reprogrammable)
EMA = External Memory Address
HVIO = High Voltage I/Os
ICD = I-Circuit Debugger Compatible
I²C = Inter-integrated Circuit Bus
InOs = Internal Oscillator
PrVref = Precision Vref
PVref = Programmable Vref
PWM = Pulse Width Modulator
SLAC = Slope A/D Converter, up to 16 bits
SMB = System Management Bus
SPI = Serial Peripheral Interface
TS = Temperature Sensor
TxBuff = Transmit Buffer
RxBuff = Receive Buffer
WDT = Serial Peripheral Interface
USART = Universal Synchronous/Asynchronous Receiver/Transmitter
WDT = Watchdog Timer
MI²C/SPI = Master I²C/SPI
PLVD = Programmable Low-Voltage Detection
PSP = Parallel Slave Port

Packages

CL = Windowed CERQUAD
JW = Windowed CERDIP
L = Plastic Leaded Chip Carrier (PLCC)
P = Plastic DIP
PQ = Plastic Quad Flatpack (PQFP)
PT = Plastic Thin Quad Flatpack (TQFP)
SO = Plastic Small Outline (SOIC)
SP = Plastic Skinny DIP
SS = Plastic Shrink Small Outline (SSOP)

EPROM fuse selectable oscillator options:

HS = High Speed Crystal/Resonator
LP = Power saving, Low frequency crystal
RC = Low Cost RC Oscillator
XT = Standard Crystal/Resonator

● Compliant
● Non-compliant
◀ ++ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1442 Date: 22-08-06 time: 00:09

Microchip's Latest PICmicro® Microcontroller Product Line

Here follows a carefully selected range from the latest offering of Microchip's PICmicro® family of microcontrollers combining high performance, low cost and small package size to offer one of the best price/performance ratios in the industry. Based on a powerful RISC core, the PICmicro architecture provides users an easy migration path from 8 to 84 pins among all families with little or no code change required. Advanced features available are:

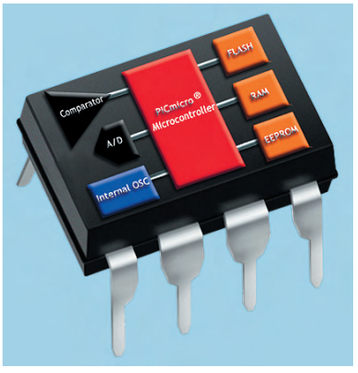
- Sophisticated timing peripherals
- Embedded analogue-to-digital converters (ADCs)
- Extended instruction/data memory
- Communications peripherals (I^2C^{TM}/SPI™/USB/CAN and USARTs)
- In-circuit Serial Programming™ technology (ICSP™)
- Memory technology including one-time programmable (OTP) and reprogrammable (FLASH)
- Advanced analogue features (PBOR, PVLD, DAC, VREF, Op Amps and PSMC)

Please consult our development tool section for a range of Microchip tools including MPLAB® ICE universal in-circuit emulators; PROMATE® II full-featured device programmer; PICSTART® low-cost development system; MPLAB Integrated Development Environment; MPLAB C Compiler; the MPLAB ICD In-Circuit Debugger and the PICDEM.net™ Internet/Ethernet Demonstration Board.

Should you be unable to find the PICmicro you are looking for, please consult the Microchip's Mature PICmicro® Microcontroller Product Line or contact the Farnell Sales Office.

241371

PIC®10F20X - 8-Bit Flash Microcontrollers



The PIC10F200/202/204/206 products are a family of low-cost, high performance devices. They are 8-bit, fully-static, Flash-based CMOS microcontrollers and have only 33 single-word/single-cycle instructions. The products are supported by a full-featured macro-assembler, a software simulator, an in-circuit debugger, a 'C' compiler and a programmer. All tools are supported by an IBM® PC or compatible. These PIC10F20X devices can fit in applications ranging from personal care appliances and security systems to low power remote transmitters/receivers.

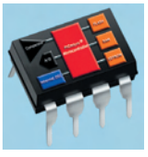
Features:

- Available in 6-pin SOT-23 or 8-pin PDIP packages
- 4 I/O pins (3 with individual direction control, 1 input only pin)
- 8-bit wide data path
- 12-bit wide instructions
- 4MHz precision internal oscillator
- In-Circuit Serial Programming™ (ICSP™)
- In-Circuit Debugging (ICD) Support
- Power saving sleep mode
- Programmable code protection

372354

Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
10F200	6	SOT-23 8-bit CMOS MCU, 256 Flash PROM, 16b RAM, 4 I/O lines - 4MHZ (IND TEMP).	PIC10F200T-I/OT.	SMD 740-6022 ▲	1.66	1.40	0.98
10F200	6	SOT-23 8-bit CMOS MCU, 256 Flash PROM, 16b RAM, 4 I/O lines - 4MHZ (IND TEMP).	PIC10F200T-I/OT	SMD 121-6921 ●	162.75	1.24	0.85
10F200	8	DIL 8-bit CMOS MCU, 256 Flash PROM, 16b RAM, 4 I/O lines - 4MHZ (IND TEMP).	PIC10F200-I/P	121-2714 ●	1.63	1.37	1.14
10F202	8	DIL 8-bit CMOS MCU, 512 Flash PROM, 24b RAM, 4 I/O lines - 4MHZ (IND TEMP).	PIC10F202-I/P	740-6034 ●	1.99	1.66	1.30
10F202	6	SOT-23 8-bit CMOS MCU, 512 Flash PROM, 24b RAM, 4 I/O lines - 4MHZ (IND TEMP).	PIC10F202T-I/OT.	SMD 740-6046 ●	1.89	– –	– –
10F202	6	SOT-23 8-Bit CMOS MCU, 768 bytes Flash PROM, 24b RAM, 4 I/O lines, - 4MHZ (IND TEMP)	PIC10F202T-I/OT	SMD 994-2874 ●	1.54	0.99	0.93
10F206	8	DIL 8-bit CMOS MCU, 512 Flash PROM, 24b RAM, 4 I/O lines - 4MHZ (IND TEMP).	PIC10F206-I/P	740-6071 ●	2.21	1.86	1.50
10F206	6	SOT-23 8-bit CMOS MCU, 512 Flash PROM, 24b RAM, 4 I/O lines - 4MHZ (IND TEMP).	PIC10F206T-I/OT	SMD 740-6083 ●	2.12	1.76	1.43
220	8	DIL 8-Bit Flash CMOS MCU 16 bytes - 4/8 MHz (IND TEMP).	PIC10F220-I/P	989-2508 ●	1.73	1.14	1.05
222	8	DIL 8-Bit Flash CMOS MCU 23 bytes - 4/8 MHz (IND TEMP).	PIC10F222-I/P	989-2516 ●	1.84	1.20	1.11

PIC®12F629/635/675 - FLASH Program Memory, 8-pin MCU



The **PIC12F629/635/675** range merge all the advantages of the 12C architecture and the flexibility of FLASH program memory into an 8-pin package. These devices feature a 14-bit instruction set, small package footprint and a wide operating voltage of 2.0 to 5.5 volts. An internal programmable 4 MHz oscillator, onboard EEPROM Data Memory, on chip voltage reference and up to 4 channels of 10-bit A/D is available.
These devices are ideal for just about any embedded control application and offer features and intelligence not previously available due to cost and board space limitations.

239088

Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
12F629	8	DIL 8-bit CMOS MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP).	PIC12F629-I/P	975-8992 ●	2.69	1.75	1.63
12F629	8	SOIC 8-bit CMOS MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP).	PIC12F629-I/SN	SMD 975-9000 ●	2.46	1.60	1.48
635	8	DFN 8-Bit CMOS Microcontroller with nano Watt Technology	PIC12F635-I/MF	SMD 113-7330 ●	3.53	2.59	2.39
12F635	8	DIL 8-bit CMOS MCU, 1K Flash, 64 bytes RAM - 20MHZ (IND TEMP)	PIC12F635-I/P	121-2687 ●	3.30	2.42	2.22
12F635	8	SOIC 8-bit CMOS MCU, 1K Flash, 64 bytes RAM - 20MHZ (IND TEMP)	PIC12F635-I/SN	SMD 121-2689 ●	3.30	2.42	2.22
12F675	8	DIL 8-bit CMOS MCU, 1K Flash, 64 bytes RAM with ADC - 20MHz (IND TEMP).	PIC12F675-I/P	975-9018 ●	2.96	1.92	1.78
12F675	8	SOIC 8-bit CMOS MCU, 1K Flash, 64 bytes RAM with ADC - 20MHz (IND TEMP).	PIC12F675-I/SN	SMD 975-9026 ●	2.69	1.75	1.63

PIC®16F630/676 - FLASH Program Memory, 14-Pin MCU

The PIC16F630/676 microcontroller products merge all the advantage of the mid-range x14 architecture and the flexibility of FLASH program memory into a 14-pin package. The PIC16F6XX devices feature a 14-bit instruction set, small footprint package, and a wide operating voltage of 2.0 - 5.5 Volts. In addition, these devices offer an internal programmable 4MHz oscillator, on-board EEPROM Data Memory, on-chip voltage reference and up to 8 channels of 10-bit ADC. These 14-pin microcontrollers provide the features and intelligence not previously available due to cost and board space limitations. These devices are ideal for just about any embedded control application.

243413

Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F630	14	DIL 8-bit CMOS EEPROM MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC16F630-I/P	976-0458 ●	3.30	2.32	2.15
16F630	14	SOIC 8-bit CMOS EEPROM MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC16F630-I/SL	SMD 976-0466 ●	3.19	2.08	1.92
16F630	14	TSSOP 8-bit CMOS EEPROM MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC16F630-I/ST	SMD 976-0474 ●	3.69	2.40	2.22
16F676	14	DIL 8-bit CMOS EEPROM MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC16F676-I/P	976-0512 ●	3.80	2.48	2.29
16F676	14	SOIC 8-bit CMOS EEPROM MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC16F676-I/SL	SMD 976-0520 ●	3.42	2.25	2.07
16F676	14	TSSOP 8-bit CMOS EEPROM MCU, 1K Flash, 64 bytes RAM - 20MHz (IND TEMP)	PIC16F676-I/ST	SMD 976-0539 ●	3.92	2.55	2.37

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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PIC®12F683 - FLASH Program Memory, 8-pin MCU

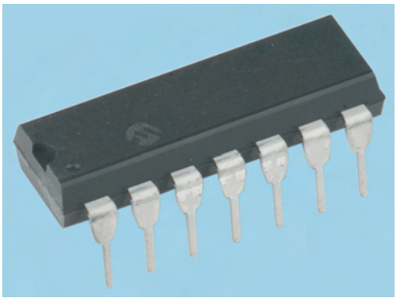


The **PIC12F683** Low Pin-count (8) PIC® Flash Microcontroller products offer all of the advantages of the well recognised mid-range X 14 architechture with standardised features including a wide operating voltage of 2.0V - 5.5V, on-board EEPROM Data Memory and nanoWatt Technology. Standard analogue peripherals include up to 4 channels of 10-bit A/D, an analogue comparator module with a single comparator, programmable on-chip voltage reference and a standard Capture/Compare/PWM (CCP) Module.

342105

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
12F683	8	DFN	8-Bit CMOS MCU, 2K Flash, 128 bytes RAM - 20MHZ (IND TEMP)	PIC12F683-I/MF.	SMD 405-7368	5.27	3.18	2.92
683	8	DFN	8-Pin Flash-Based, 8-Bit CMOS Microcontrollers with nanoWatt Technology	PIC12F683-I/MF	SMD 113-7331	3.57	2.32	2.15
12F683	8	DIL	8-bit CMOS MCU, 2K FLASH, 128 bytes RAM - 20MHz (IND TEMP)	PIC12F683-I/P	975-9034	3.42	2.25	2.07
12F683	8	SOIC	8-bit CMOS MCU, 2K FLASH, 128 bytes RAM - 20MHz (IND TEMP)	PIC12F683-I/SN	SMD 975-9042	3.19	2.08	1.92

PIC®16F63X - 8-Bit CMOS Microcontroller with nanoWatt Technology



This is a 14-pin CMOS Flash based 8-bit microcontroller. It is powerful and uses Microchip's PIC® MCU architecture, KeeLoq® compatible Cryptographic Module, Programmable Low-Voltage Detect (PLVD), 2 comparators and 256 bytes opf EEPROM memory. Microchips nanoWatt technology also allows low power performance when using battery powered applications.The device can be used for automotive, industrial, appliance or consumer product applications and is suitable for re-programmability and authenication security.

Features:

- 14/20-pin configuration
- Only 35 single word instructions
- 12 I/O pins with individual direction control
- Operating speed of 20MHz oscillator/clock input and 200ns instruction cycle
- Interupt capabilty
- 4MHz precision internal oscillator
- 8-level deep hardware stack
- Direct/Indirect/Relative addressing modes
- Power saving sleep mode

372401

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
16F636	14	SOIC	8-bit CMOS 256 bytes EEPROM MCU, 2K Flash, 128 bytes RAM - 8MHZ (IND TEMP)	PIC16F636-I/SL	SMD 121-2713	4.07	3.45	2.46

PIC®16F684/688 - FLASH Program Memory

The PIC16F684/688 Low pin-count (14) Flash microcontroller products offer all the advantages of the well recognised mid-range x14 architecture with standardised features including a wide operating voltage of 2.0-5.5 volts, on-board EEPROM Data Memory, and nanoWatt Technology.
Standard analogue peripherals include up to 8 channels of 10-bit A/D, an analogue comparator module with programmable on-chip voltage reference and an Enhanced Capture/Compare/PWM (ECCP) for the 16F684. The ECCP peripheral offers up to four outputs with programmable dead band delay and auto-shutdown and restart options. The 16F688 features an Enhanced USART (EUSART) peripheral which supports communication protocols such as RS232/485 as well as the LIN protocol.

Features:

- 256 bytes of EEPROM data memory
- Extended WDT
- MPLAB® ICD 2 programming support or debugging support with optional header adapter
- Precision internal oscillator-software selectable 8MHz-32KHz
- nanoWatt Technology
- Software selectable BOR

346981

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F684	14	DIL	8-Bit MCU, 2K Flash, 128 bytes RAM - 20MHZ (IND TEMP)	PIC16F684-I/P	976-0547	4.03	2.65	2.44
16F684	14	SOIC	8-Bit MCU, 2K Flash, 128 bytes RAM - 20MHZ (IND TEMP)	PIC16F684-I/SL	SMD 976-0555	3.69	2.40	2.22
16F684	14	TSSOP	8-Bit MCU, 2K Flash, 128 bytes RAM - 20MHZ (IND TEMP)	PIC16F684-I/ST	SMD 108-4321	4.18	2.73	2.52
16F688	14	DIL	8-Bit CMOS MCU with ADC, 4Kb Prog, 256 bytes RAM, 12 I/O lines - 20MHZ	PIC16F688-I/P	976-0563	4.30	2.80	2.59
16F688	14	SOIC	8-Bit CMOS MCU with ADC, 4Kb Prog, 256 bytes RAM, 12 I/O lines - 20MHZ	PIC16F688-I/SL	SMD 976-0571	3.92	2.55	2.37
16F688	14	TSSOP	8-Bit CMOS MCU with ADC, 4Kb Prog, 256 bytes RAM, 12 I/O lines - 20MHZ	PIC16F688-I/ST	SMD 976-0580	4.41	2.88	2.66

PIC16F6xx - FLASH Based, 8-Bit CMOS Microcontrollers

NEW

MICROCHIP

Device	Program Memory	Data Memory		I/O	10-bit A/D	Comparators	Timers	SSP	ECCP+	EUSART
	Flash (words)	SRAM (bytes)	EEPROM (bytes)		(channels)		8/16-bit			
PIC16F685	4096	256	256	18	12	2	2/1	No	Yes	No
PIC16F687	2048	128	256	18	12	2	1/1	Yes	No	Yes
PIC16F689	4096	256	256	18	12	2	1/1	Yes	No	Yes
PIC16F690	4096	256	256	18	12	2	2/1	Yes	Yes	Yes

422964

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
685	20	DIL	8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F685-I/P	110-3399	4.65	3.70	3.49
685	20	SSOP	8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F685-I/SS	SMD 110-3400	4.65	3.72	– –
687	20	DIL	8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F687-I/P	110-3401	4.15	3.67	– –
687	20	SSOP	8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F687-I/SS	SMD 110-3402	4.15	3.39	– –
689	20	DIL	8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F689-I/P	110-3403	4.65	4.00	– –
689	20	SSOP	8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F689-I/SS	SMD 110-3405	4.65	3.26	– –
690	20	DIL	8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F690-I/P	110-3406	4.91	4.37	– –
690	20	SSOP	8-bit CMOS EEPROM MCU with nanoWatt Technology - 20MHz (IND TEMP)	PIC16F690-I/SS	SMD 110-3407	4.91	4.00	– –

● Compliant
● ◀ ++ Non-compliant
Limited stock - RoHS replacement available
RoHS

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Farnell Page 1444 Date: 22-08-06 time:00:11

PIC®12Cxxx

The **PIC12Cxxx** MCU family provides intelligence, data acquisition and mixed-signal capability to applications with cost and space constraints. The range is RISC based in a 8-pin package. PIC12Cxxx is code compatible with the complete Microchip PICmicro® 8-bit OTP family.

PIC12C5xx - features 12-bit instruction set, small package footprints, low operating voltage, internal oscillator and on-board EEPROM data memory.
PIC12C6xx - features 14-bit instruction set, small package footprint, low voltage , interrupt handling capability, internal oscillator, on-board EEPROM data memory and a deeper stack.

239087

Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
04	8	SOIC	8-Pin, 8-Bit CMOS Microcontroller with A/D Converter	PIC12C671-04/SM	SMD 113-7292	5.03	3.68	3.37
12C508A	8	DIL	8-bit CMOS EPROM MCU, 512b EPROM, 25 bytes RAM, 6 I/O lines - 4MHz	PIC12C508A/JW	140-211	24.57	17.47	14.84
12C508A	8	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz.	PIC12C508A-04/P	975-8771	2.65	1.92	1.78
12C508A	8	SOIC	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz.	PIC12C508A-04/SM	SMD 975-8780	2.65	1.92	1.78
12C508A	8	SOIC	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz.	PIC12C508A-04/SN	SMD 975-8798	2.73	1.98	1.83
12C508A	8	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12C508A-04I/P	119-6774	3.03	2.51	2.02
04	8	SOIC	8-Pin, 8-Bit CMOS Microcontrollers	PIC12C508A-04I/SM	SMD 113-7301	2.92	2.12	1.94
12C508A	8	SOIC	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12C508A-04I/SN	SMD 975-8801	2.99	2.21	2.02
12LC508A	8	SOIC	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP, Low Power).	PIC12LC508A-04I/SM	SMD 975-9050	3.11	2.27	2.07
12C509A	8	DIL	8-bit CMOS EPROM MCU, 1Kb EPROM, 41 bytes RAM, 6 I/O lines	PIC12C509A/JW	140-284	25.87	18.39	15.61
12C509A	8	DIL	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509A-04/P	975-8828	2.73	1.98	1.83
12C509A	8	SOIC	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509A-04/SM	SMD 975-8836	2.73	1.98	1.83
12C509A	8	SOIC	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509A-04/SN	SMD 975-8844	2.88	2.08	1.91
12C509A	8	DIL	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12C509A-04I/P	108-4235	2.99	2.21	2.02
12C509A	8	SOIC	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12C509A-04I/SM	SMD 975-8852	2.99	2.21	2.02
12C509A	8	SOIC	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12C509A-04I/SN	SMD 108-4259	3.11	2.27	2.07
12C671	8	DIL	8-bit CMOS MCU with ADC, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12C671-04/P	975-8860	4.84	3.53	3.24
12C671	8	SOIC	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz (IND TEMP).	PIC12C671-10I/SM	SMD 119-6776	6.31	5.34	3.95
04	8	SOIC	8-Pin, 8-Bit CMOS Microcontroller with A/D Converter	PIC12C671-04/SM	SMD 113-7292	5.03	3.68	3.37
12C671	8	DIL	8-bit CMOS MCU with ADC, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12C671-04I/P	975-8879	5.26	5.26	3.55
12C671	8	SOIC	8-bit CMOS MCU with ADC, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12C671-04I/SM	SMD 108-4222	5.53	4.04	3.72
12C671	8	DIL	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz (IND TEMP).	PIC12C671-10I/P	108-4238	5.68	4.14	3.79
12C671	8	DIL	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz	PIC12C671-10/P	121-2665	5.14	3.75	3.46
12C672	8	DIL	8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12C672-04/P	975-8887	4.84	3.53	3.24
12C672	8	DIL	8-bit CMOS EPROM MCU, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz	PIC12C672-10/P	975-8909	5.14	3.75	3.46
12C672	8	SOIC	8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12C672-04/SM..	SMD 112-823	3.68	3.37	3.37
04	8	SOIC	8-Pin, 8-Bit CMOS Microcontroller with A/D Converter	PIC12C672-04/SM	SMD 113-7297	3.68	3.37	3.37
12C672	8	SOIC	8-bit CMOS EPROM MCU, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz	PIC12C672-10/SM	SMD 119-6778	4.62	3.71	3.71
04	8	DIL	8-Pin, 8-Bit CMOS Microcontroller with A/D Converter	PIC12C672-04I/P	113-7298	3.85	3.55	3.55
12C672	8	DIL	8-bit CMOS EPROM MCU, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 10MHz (IND TEMP).	PIC12C672-10I/P	108-4241	4.14	3.79	3.79
12C672	8	SOIC	8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12C672-04I/SM	SMD 975-8895	4.04	3.72	3.72
12LC672	8	SOIC	8-bit CMOS MCU with ADC, 2Kb OTP PROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP, Low Power).	PIC12LC672-04I/SM.	SMD 413-6809	4.34	4.00	4.00
04	8	SOIC	8-Bit CMOS Microcontroller with A/D Converter and EEPROM Data Memory.	PIC12LC672-04I/SM	SMD 113-7341	4.34	4.00	4.00
12CE518	8	DIL	8-bit CMOS MCU, 512b OTP PROM, 16 bytes E², 25 bytes RAM, 6 I/O lines - 4MHz	PIC12CE518-04/P	975-8917	2.36	2.16	2.16
12CE518	8	SOIC	8-bit CMOS MCU, 512b OTP PROM, 16 bytes E², 25 bytes RAM, 6 I/O lines - 4MHz	PIC12CE518-04/SN	SMD 314-3922	3.53	2.57	2.37
12CE518	8	DIL	8-bit CMOS MCU, 512b OTP PROM, 16 bytes E², 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12CE518-04I/P	108-4236	3.53	2.59	2.39
12CE518	8	SOIC	8-bit CMOS MCU, 512b OTP PROM, 16 bytes E², 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12CE518-04I/SM	SMD 108-4237	3.72	2.73	2.50
12CE519	8	DIL	8-bit CMOS MCU, 1Kb EPROM, 16 bytes E², 41 bytes RAM, 6 I/O lines - 4MHz	PIC12CE519-04/P	975-8925	3.53	2.57	2.37
12CE519	8	SOIC	8-bit CMOS MCU, 1Kb EPROM, 16 bytes E², 41 bytes RAM, 6 I/O lines - 4MHz	PIC12CE519-04/SM	SMD 975-8933	3.69	2.69	2.48
12CE519	8	DIL	8-bit CMOS MCU, 1Kb EPROM, 16 bytes E², 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12CE519-04I/P	975-8941	3.88	2.82	2.59
12CE519	8	SOIC	8-bit CMOS MCU, 1Kb EPROM, 16 bytes E², 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12CE519-04I/SM	SMD 119-6775	4.10	3.42	2.77
12CE519	8	SOIC	8-bit CMOS MCU, 1Kb EPROM, 16 bytes E², 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12CE519-04I/SN	SMD 975-8950	4.15	2.99	2.76
12LCE519	8	SOIC	8-bit CMOS MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz (IND TEMP, Low Power).	PIC12LCE519-04I/SM	SMD 108-4325	4.30	3.14	2.90
12CE673	8	DIL	8-bit CMOS EPROM MCU, 1Kb EEPROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12CE673-04/P	975-8968	5.68	4.14	3.79
12CE673	8	DIL	8-bit CMOS EPROM MCU, 1Kb EEPROM, 128 bytes RAM, 6 I/O lines - 10MHz	PIC12CE673-10/P	119-6779	6.28	5.21	4.17
12CE673	8	DIL	8-bit CMOS EPROM MCU, 1Kb EEPROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12CE673-04I/P	108-4242	6.22	4.55	4.18
12CE674	8	DIL	8-bit CMOS EPROM MCU, 2Kb EEPROM, 128 bytes RAM, 6 I/O lines - 4MHz	PIC12CE674-04/P	975-8976	5.68	4.14	3.79
12CE674	8	DIL	8-bit CMOS EPROM MCU, 2Kb EEPROM, 128 bytes RAM, 6 I/O lines - 4MHz (IND TEMP).	PIC12CE674-04I/P	975-8984	6.22	4.55	4.18

PIC®16F5X - FLASH Program Memory



The PIC16F5X from Microchip Technology is a family of low-cost, high performance, 8-bit, fully static, Flash based CMOS microcontrollers. It employs a RISC architecture with only 33 single-word/single-cycle instructions. All instructions are single cycle except for program branches which take two cycles. The PIC16F5X products are equipped with special cost and power saving features such as a selectable Oscillator options and the Power-On Reset (POR) and Device Reset Timer (DRT) which eliminate the need for external Reset circuitry. The high performance, ease of use and I/O flexibility make the PIC16F5X series very versatile, even in such areas as timer functions, replacement of 'glue' logic in larger systems and co-processor applications.

346047

Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
54	18	SOIC	8-Bit CMOS Microcontroller	PIC16F54-I/SO	SMD 113-7332	1.61	1.05	0.98
54	18	DIL	8-Bit Flash MCU, 25b RAM, 12 I/O lines - 20MHZ (IND TEMP)	PIC16F54-I/PG	994-2858	1.80	1.18	1.09
16F54	20	SSOP	8-bit Flash MCU, 512b PROM, 25b RAM, 12 I/O lines - 20MHZ (IND TEMP)	PIC16F54-I/SS	SMD 108-4319	1.61	1.05	0.98
16F54	18	DIL	8-bit Flash MCU, 512b PROM, 25b RAM, 12 I/O lines - 20MHZ (IND TEMP)	PIC16F54-I/P	121-2691	1.80	1.18	1.09
16F57	28	DIL	8-Bit Flash MCU, 2048b PROM, 72b RAM - 20MHZ (IND TEMP)	PIC16F57-I/P	976-0270	2.84	1.85	1.72
16F57	28	SDIL	8-Bit Flash MCU, 2048b PROM, 72b RAM - 20MHZ (IND TEMP)	PIC16F57-I/SP	101-6061	2.84	1.85	1.72
59	40	DIL	8-Bit Flash MCU, 134b RAM, 32 I/O lines - 20MHZ (IND TEMP)	PIC16F59-I/P	994-2866	2.99	1.94	1.81

PIC®16C5x



The **PIC16C5x** MCU family offers a cost-effective solution to 8-bit MCU applications. The devices have a 12-bit instruction set and are offered in 18, 20 and 28-pin DIL, SOIC and SSOP packages. Operating voltages are as low as 2.5V (OTP), making the range ideal for battery operated applications.

The **PIC16C505**, a 14-pin range, extends the offering with features including an internal oscillator, 12 I/O pins.

The **PIC16HV540** range feature operations directly from power sources ranging up to 15V.

239089

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
20	18	PDIP	PROM-Based 8-bit CMOS Microcontroller	PIC16C56A-20/P	113-7299	4.65	3.39	3.13
16C54C	18	DIL	8-bit CMOS MCU, 512b EPROM, 25b RAM, 12 I/O lines	PIC16C54C/JW	314-3960	16.55	12.56	9.99
16C54C	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C54C-04/P	975-9131	3.88	2.82	2.59
16C54	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 20MHz	PIC16C54C-20/P	975-9140	4.15	3.03	2.78
16C54C	18	SOIC	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C54C-04/SO	SMD 108-4258	3.92	2.88	2.65
16C54C	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz (IND TEMP)	PIC16C54C-04I/P	108-4285	3.88	2.82	2.59
16C54C	18	SOIC	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz (IND TEMP)	PIC16C54C-04I/SO	SMD 108-4286	3.92	2.88	2.65
16C54C	20	SSOP	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 20MHz (IND TEMP, SSOP)	PIC16C54C-20I/SS	SMD 108-4261	4.53	3.33	3.07
20	18	SOIC	PROM-Based 8-bit CMOS Microcontroller	PIC16C54C-20I/SO	SMD 113-7309	4.22	3.09	2.85
16C54C	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 20MHz (IND TEMP)	PIC16C54C-20I/P	121-2681	4.15	3.03	2.78
16LC54	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz (Low Power)	PIC16LC54C-04/P	108-4284	4.07	2.97	2.72
16C55A	28	DIL	8-bit CMOS MCU, 512b EPROM, 24b RAM, 20 I/O lines	PIC16C55A/JW	314-4021	19.66	14.01	11.88
16C55A	28	DIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 4MHz	PIC16C55A-04/P	108-4287	4.72	3.45	3.18
16C55A	28	SOIC	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 4MHz	PIC16C55A-04/SO	SMD 975-9239	4.91	3.58	3.29
16C55A	28	DIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 4MHz (IND TEMP)	PIC16C55A-04I/P.	324-1786	6.24	3.79	3.48
16C55A	28	DIL	PROM-Based 8-bit CMOS Microcontroller	PIC16C55A-04I/P	113-7315	5.18	3.79	3.48
16C55A	28	SDIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 20MHz	PIC16C55A-20/SP	108-4272	5.26	3.85	3.55
16C55A	28	DIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 20MHz (IND TEMP)	PIC16C55A-20I/P	975-9247	5.84	4.25	3.90
16C56A	18	DIL	8-bit CMOS MCU, 1Kb OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C56A-04/P	108-4224	4.38	3.18	2.92
16C56A	18	DIL	8-bit CMOS MCU, 1Kb OTP PROM, 25b RAM, 12 I/O lines - 4MHz (IND. TEMP)	PIC16C56A-04I/P	975-9301	4.76	3.49	3.20
16C56A	18	DIL	8-bit CMOS MCU, 1Kb OTP PROM, 25b RAM, 12 I/O lines - 20MHz	PIC16C56A-20/P.	112-999	5.60	3.39	3.13
20	18	PDIP	PROM-Based 8-bit CMOS Microcontroller	PIC16C56A-20/P	113-7299	4.65	3.39	3.13
16C57C	28	DIL	8-bit CMOS MCU, 2Kb EPROM, 72b RAM, 20 I/O lines	PIC16C57C/JW	314-4150	28.06	19.97	16.95
16C57C	28	DIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 4MHz	PIC16C57C-04/P	108-4273	5.49	4.00	3.68
16C57C	28	SDIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 4MHz	PIC16C57C-04/SP	108-4274	5.49	4.00	3.68
16C57C	28	SOIC	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 4MHz	PIC16C57C-04/SO	SMD 975-9328	5.76	4.19	3.85
16C57C	28	DIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 4MHz (IND TEMP)	PIC16C57C-04I/P	108-4275	6.03	4.40	4.05
16C57C	28	SDIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 4MHz (IND TEMP)	PIC16C57C-04I/SP.	324-3515	7.26	4.40	4.05
16C57C	28	DIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 20MHz	PIC16C57C-20/P	975-9336	6.14	4.50	4.13
16C57C	28	SOIC	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 20MHz	PIC16C57C-20/SO	SMD 975-9344	6.41	4.69	4.31
16C57C	28	SDIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 20MHz	PIC16C57C-20/SP	975-9352	6.14	4.50	4.13
16C57C	28	DIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 20MHz (IND TEMP)	PIC16C57C-20I/P	108-4260	6.76	4.95	4.55
16C58B	18	DIL	8-bit CMOS EPROM MCU, 2Kb OTP PROM, 73 bytes RAM - 4MHz	PIC16C58B-04/P	975-9417	4.61	3.37	3.09
16C58B	18	DIL	8-bit CMOS EPROM MCU, 2Kb OTP PROM, 73 bytes RAM - 20MHz	PIC16C58B-20/P	113-153	4.95	3.60	3.31
16C58B	18	DIL	8-bit CMOS EPROM MCU, 2Kb OTP PROM, 73 bytes RAM - 20MHz (IND TEMP)	PIC16C58B-20I/P	975-9433	5.45	3.98	3.66
16LC58B	18	DIL	8-bit CMOS EPROM MCU, 2Kb OTP PROM, 73b RAM, 12 I/O lines - 4MHz (IND TEMP, Low Power)	PIC16LC58B-04I/P	976-1543	5.11	3.70	3.40
16LC58B	18	SOIC	8-bit CMOS EPROM MCU, 2Kb OTP PROM, 73b RAM, 12 I/O lines - 4MHz (IND TEMP, Low Power)	PIC16LC58B-04I/SO	SMD 108-4326	5.14	3.75	3.46
16C505	14	DIL	8-bit CMOS EPROM MCU, 1K OTP PROM - 4MHz	PIC16C505-04/P	975-9077	3.46	2.52	2.31
16C505	14	DIL	8-bit CMOS EPROM MCU, 1K OTP PROM - 4MHz (IND TEMP)	PIC16C505-04I/P	119-6808	3.68	3.12	2.18
16C505	14	SOIC	8-bit CMOS EPROM MCU, 1K OTP PROM - 4MHz	PIC16C505-04/SL	SMD 975-9085	3.46	2.52	2.31
16C505	14	SOIC	8-bit CMOS EPROM MCU, 1K OTP PROM - 4MHz (IND TEMP)	PIC16C505-04I/SL	SMD 119-6809	3.68	3.12	2.18
16C505	14	DIL	8-bit CMOS EPROM MCU, 1K OTP PROM - 20MHz (IND TEMP)	PIC16C505-20I/P	975-9093	3.53	2.59	2.39
16C505	14	SOIC	8-bit CMOS EPROM MCU, 1K OTP PROM - 20MHz (IND TEMP)	PIC16C505-20I/SL	SMD 975-9107	3.53	2.59	2.39
16LC505	14	SOIC	8-bit CMOS EPROM MCU, 1K OTP PROM - 4MHz (Low Power)	PIC16LC505-04/SL	SMD 115-125	3.65	2.67	2.44
16HV540	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25 bytes RAM, 12 I/O lines - 4MHz	PIC16HV540-04/P	976-1527	3.88	2.82	2.59
16HV540	18	SOIC	8-bit CMOS MCU, 512b OTP PROM, 25 bytes RAM, 12 I/O lines - 4MHz (IND TEMP)	PIC16HV540-04I/SO	SMD 976-1535	3.92	2.88	2.65

PIC®16F505 - FLASH Program Memory

NEW

The PIC16F505 devices from Microchip Technology are low-cost, high-performance, 8-bit, fullystatic, Flash-based CMOS microcontrollers. They employ a RISC architecture with only 33 single word/ single cycle instructions. All instructions are single cycle (200 μs) except for program branches, which take two cycles.
The PIC16F505 products are equipped with special features that reduce system cost and power requirements. The Power-on Reset (POR) and Device Reset Timer (DRT) eliminate the need for external Reset circuitry. There are six oscillator configurations to choose from , including INTRC Internal Oscillator mode and the power-saving LP (Low-power) Oscillator mode. Power-saving Sleep mode, Watchdog Timer and code protection features improve system cost, power and reliability.

Features:

- Precision 4 MHz internal oscillator
- Baseline Core with 33 Instructions, 2 Stack Levels
- All single-cycle Instructions except for program branches which are two cycles
- 12-bit wide instructions
- 8-bit wide data path
- 25 mA source/sink current I/O
- Low power (100nA) sleep current
- One 8-bit timer (TMR0)
- Watchdog timer (WDT)
- In Circuit Serial Programming™ (ICSP™) capability
- In-Circuit debugging support
- Programmable code protection

347109

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F505	14	DIL	8-bit CMOS MCU, 1536 bytes Flash, 72 bytes RAM, 12 I/O lines - 20MHZ (IND TEMP)	PIC16F505-I/P	405-7627	2.34	1.54	1.42
16F505	14	SOIC	8-bit CMOS MCU, 1536 bytes Flash, 72 bytes RAM, 12 I/O lines - 20MHZ (IND TEMP)	PIC16F505-I/SL	SMD 121-2690	2.07	1.35	1.24
506	14	DIL	8-Bit Flash CMOS MCU 67 bytes - 4/8 MHz (IND TEMP)	PIC16F506-I/PG	989-2532	3.28	2.00	1.89

PIC®14000

This 8-bit mixed signal 28-pin microcontroller features analogue peripherals including 8 channels of 8-bit A/D, 2 channels with selectable level shift inputs, 6 internal input channels and a 16-bit programmable timer with capture register. This device is compatible with the System Management Bus (SMB).
Ideal for applications related to Telecom, PC, Industrial , Appliances and other Consumer applications

239090

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
14000	28	DIL	8-bit CMOS EPROM MCU, 4K EPROM, 192 bytes RAM, 20 I/O lines	PIC14000/JW	790-059	39.27	33.92	27.73
14000	28	SDIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM, 20 I/O lines - 4MHz	PIC14000-04/SP	975-9069	17.16	15.80	13.34

RoHS ● Compliant ◀ Non-compliant ++ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

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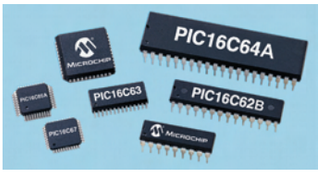
PIC®16C55x

This family is a further extension of the PIC16C5x range. Upwardly compatible with the PIC16C5x / PIC12X devices. Up to 200ns Instruction Execution, 35 instructions with 4/5 Oscillator Selections. This family also supports (ICSP) in-Circuit Serial Programming. 18/20 pinouts offered.

239091

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16C554	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 80 bytes RAM - 4MHz	PIC16C554-04/P	**975-9204**	6.22	5.15	4.63
16C554	18	SOIC	8-bit CMOS EPROM MCU, 512b OTP PROM, 80 bytes RAM - 4MHz	PIC16C554-04/SO	SMD **108-4352**	6.37	5.26	4.72
16C554	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 80 bytes RAM - 4MHz (IND TEMP)	PIC16C554-04I/P	**108-4231**	6.87	5.68	5.09
16C554	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 80 bytes RAM - 20MHz	PIC16C554-20/P	**975-9212**	6.68	5.51	4.94
16C558	18	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 4MHz	PIC16C558-04/P	**108-4353**	8.18	6.75	6.05
16C558	18	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz	PIC16C558-20/P	**975-9220**	8.75	7.22	6.49
16C558	18	SOIC	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz	PIC16C558-20/SO	SMD **119-6771**	9.21	7.62	6.77
16C558	18	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz (IND TEMP)	PIC16C558-20I/P	**119-6772**	9.86	8.17	7.29

PIC®16C6x



The **PIC16C6x** MCU family offers a wide range of options, from upward compatible devices in 18 to 44-pin packages to devices with low to high levels of digital peripheral integration. The family has 14-bit instruction set, interrupt handling and serial interface capabilities, Capture/Compare/PWM, brown-out detection and a deep 8-level stack.

239092

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16C62B	28	SDIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 4MHz	PIC16C62B-04/SP	**975-9565**	7.37	5.37	4.96
16C62B	28	SDIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz (IND TEMP)	PIC16C62B-20I/SP.	**315-4518**	10.45	6.33	5.83
20	28	SPDIL	8-Bit CMOS Microcontrollers	PIC16C62B-20I/SP	**113-7310**	8.68	6.33	5.83
16C62B	28	SOIC	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz (IND TEMP)	PIC16C62B-20I/SO	SMD **975-9573**	8.68	6.33	5.83
16C63A	28	DIL	8-bit CMOS EPROM MCU, 4K EPROM, 192 bytes RAM	PIC16C63A/JW	**314-4471**	28.10	17.49	16.98
16C63A	28	SDIL	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C63A-04/SP	**108-4289**	8.98	6.57	6.05
16C63A	28	SOIC	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C63A-04/SO	SMD **975-9620**	8.98	6.57	6.05
16C63A	28	SDIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C63A-20I/SP	**975-9638**	10.63	7.77	7.14
16C63A	28	SOIC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C63A-20I/SO.	SMD **315-4520**	12.81	7.77	7.14
20	28	SOIC	8-Bit CMOS Microcontrollers	PIC16C63A-20I/SO	SMD **113-7312**	10.63	7.77	7.14
16C65B	40	DIL	8-bit CMOS EPROM MCU, 4K EPROM, 192 bytes RAM	PIC16C65B/JW	**314-4604**	30.94	19.23	18.67
16C65B	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C65B-04/P	**975-9697**	10.10	7.37	6.77
16C65B	44	PLCC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C65B-04/L	SMD **975-9689**	11.71	10.79	9.12
16C65B	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C65B-20I/P	**975-9719**	11.90	8.69	7.99
16C65B	44	PLCC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C65B-20I/L	SMD **975-9700**	13.55	12.44	10.51
16C66	28	DIL	8-bit CMOS EPROM MCU, 8K EPROM, 368 bytes RAM	PIC16C66/JW	**685-999**	38.04	26.47	25.03
16C66	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz	PIC16C66-04/SP	**119-6833**	13.51	11.16	9.02
16C66	28	SOIC	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz	PIC16C66-04/SO	SMD **119-6834**	13.51	11.16	9.02
16C66	28	SOIC	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 10MHz	PIC16C66-10/SO	SMD **975-9727**	14.05	10.25	9.42
16C66	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 10MHz	PIC16C66-10/SP	**119-6852**	14.45	11.95	9.63
16C66	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 10MHz (IND TEMP)	PIC16C66-10I/SP	**119-6853**	15.92	13.15	10.64
16C66	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 20MHz	PIC16C66-20/SP	**975-9735**	14.05	10.25	9.42
16C66	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 20MHz (IND TEMP)	PIC16C66-20I/SP.	**962-326**	18.64	11.28	10.38
16C67	40	DIL	8-bit CMOS EPROM MCU, 8K EPROM, 368 bytes RAM	PIC16C67/JW	**686-025**	37.78	26.30	24.87
16C67	40	DIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz	PIC16C67-04/P	**975-9751**	14.32	10.46	9.62
20	28	SDIL	8-Bit CMOS Microcontroller	PIC16C66-20I/SP	**113-7350**	15.47	11.28	10.38
16C67	44	PLCC	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz	PIC16C67-04/L	SMD **975-9743**	15.16	12.52	11.25
16C67	44	PLCC	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 20MHz (PLCC Package)	PIC16C67-20/L	SMD **975-9760**	16.24	13.38	12.03

PIC®16C6XX

This family offers a wide range of options, from completely upwardly compatible devices in 18- to 44- pins packages to devices from low to medium levels of digital peripheral integration. This family has a 14-bit instruction set, interupt handling capability, multimode analog comparators, programmable voltage reference, brown-out detection and a deep 8-level stack. These parts provide the performance and versatility to meet the most demanding requiirements of today's entry level analog marketplace requirments for 8-bit applications

239099

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16C620A	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 96 bytes RAM, 13 I/O lines - 4MHz	PIC16C620A-04/P	**108-4233**	3.76	2.74	2.53
16C620A	18	SOIC	8-bit CMOS EPROM MCU, 512b OTP PROM, 96 bytes RAM, 13 I/O lines - 4MHz	PIC16C620A-04/SO	SMD **975-9441**	3.88	2.82	2.59
16C620A	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 96 bytes RAM, 13 I/O lines - 4MHz (IND TEMP)	PIC16C620A-04I/P	**975-9450**	3.76	2.74	2.53
16C620A	18	SOIC	8-bit CMOS EPROM MCU, 512b OTP PROM, 96 bytes RAM, 13 I/O lines - 4MHz (IND TEMP)	PIC16C620A-04I/SO	SMD **975-9468**	3.88	2.82	2.59
16C620A	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 96 bytes RAM, 13 I/O lines - 20MHz	PIC16C620A-20/P	**108-4234**	3.99	2.93	2.70
16C621A	18	DIL	8-bit CMOS EPROM MCU, 1K OTP PROM, 96 bytes RAM, 13 I/O lines - 4MHz	PIC16C621A-04/P	**975-9476**	4.22	3.09	2.85
16C621A	18	SOIC	8-bit CMOS EPROM MCU, 1K OTP PROM, 96 bytes RAM, 13 I/O lines - 4MHz	PIC16C621A-04/SO	SMD **118-941**▲	4.95	3.14	2.90
16C621A	18	DIL	8-bit CMOS EPROM MCU, 1K OTP PROM, 96 bytes RAM, 13 I/O lines - 4MHz (IND TEMP)	PIC16C621A-04I/P	**975-9484**	4.65	3.39	3.13
16C621A	18	SOIC	8-bit CMOS EPROM MCU, 1K OTP PROM, 96 bytes RAM, 13 I/O lines - 4MHz (IND TEMP)	PIC16C621A-04I/SO	SMD **975-9492**	4.76	3.49	3.20
16C621A	18	DIL	8-bit CMOS EPROM MCU, 1K OTP PROM, 96 bytes RAM, 13 I/O lines - 20MHz	PIC16C621A-20/P	**975-9506**	4.53	3.30	3.03
16C622A	18	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM, 13 I/O lines - 4MHz	PIC16C622A-04/P	**975-9514**	4.76	3.49	3.20
16C622A	18	SOIC	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM, 13 I/O lines - 4MHz	PIC16C622A-04/SO	SMD **975-9522**	4.88	3.54	3.26
16C622A	18	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM, 13 I/O lines - 4MHz (IND TEMP)	PIC16C622A-04I/P	**975-9530**	5.22	3.83	3.52
16C622A	18	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM, 13 I/O lines - 20MHz	PIC16C622A-20/P.	**119-040**▲‡	3.97	3.30	– –
16C622A	18	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM, 13 I/O lines - 20MHz	PIC16C622A-20/P	**975-9549**	5.14	3.73	3.42
16CE624	18	DIL	8-bit CMOS MCU, 1K OTP PROM/96 bytes RAM, EEPROM - 4MHz	PIC16CE624-04/P	**976-0253**	6.03	4.40	4.05
16CE625	18	DIL	8-bit CMOS MCU, 2K OTP PROM/128 EEPROM - 4MHz	PIC16CE625-04/P	**976-0261**	6.87	5.01	4.61

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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PIC®16C7xx

The **PIC16C7xx** MCU family offers wide range of options from upward compatible devices in 18 to 44-pin packages to devices from low to high levels of digital peripheral integration. The family has a 14-bit instruction set, 4 to 8 channels of 8/10-bit ADCs, interrupt handling capability, various serial interface capabilities, Capture/Compare/PWM, brown-out detection and a deep 8-level stack.

239100

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16C710	18	DIL	8-bit CMOS EPROM MCU with ADC, 512b OTP PROM, 36 bytes RAM - 4MHz	PIC16C710-04/P	108-4357	6.45	4.17	3.76
16C710	18	SOIC	8-bit CMOS EPROM MCU with ADC, 512b OTP PROM, 36 bytes RAM - 4MHz	PIC16C710-04/SO	SMD 119-6854	6.77	5.60	3.94
16C710	18	DIL	8-bit CMOS EPROM MCU with ADC, 512b OTP PROM, 36 bytes RAM - 20MHz (IND TEMP)	PIC16C710-20I/P	119-6857	7.81	6.48	4.98
16C711	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K EPROM, 68 bytes RAM	PIC16C711/JW	962-510	26.87	19.11	16.23
16C711	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 4MHz	PIC16C711-04/P	975-9794	7.03	4.55	4.11
16C711	18	SOIC	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 4MHz	PIC16C711-04/SO	SMD 975-9808	7.14	4.63	4.18
16C711	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 4MHz (IND TEMP)	PIC16C711-04I/P	975-9816	7.75	5.01	4.51
16C711	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 20MHz	PIC16C711-20/P	975-9824	7.52	4.88	4.38
16C711	18	SOIC	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 20MHz	PIC16C711-20/SO.	SMD 962-570	9.25	4.95	4.46
20	18	SOIC	8-Bit CMOS Microcontroller	PIC16C711-20/SO	SMD 113-7351	7.68	4.95	4.46
16C711	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 20MHz (IND TEMP)	PIC16C711-20I/P	108-4359	8.33	5.35	4.83
16LC711	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 4MHz (IND TEMP,Low Power)	PIC16LC711-04I/P	976-1578	8.14	5.26	4.74
16LC711	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 4MHz (Low Power)	PIC16LC711-04/P	976-1560	7.37	4.76	4.29
16LC711	18	SOIC	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 68 bytes RAM - 4MHz (Low Power)	PIC16LC711-04/SO	SMD 108-4358	7.52	4.88	4.38
04	18	SOIC	Low Power 8-Bit CMOS Microcontroller	PIC16LC711-04I/SO	SMD 113-7352	8.33	5.35	4.83
16C712	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 128 bytes RAM - 4MHz	PIC16C712-04/P	975-9859	5.72	3.68	3.31
16C712	20	SSOP	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM, 128 bytes RAM - 20MHz (IND TEMP)	PIC16C712-20I/SS	SMD 119-6799	7.71	6.38	4.49
16C715	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K EPROM, 128 bytes RAM	PIC16C715/JW	962-661	31.82	22.70	19.22
16C715	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 128 bytes RAM - 4MHz	PIC16C715-04/P	108-4360	7.95	5.11	4.61
16C715	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 128 bytes RAM - 20MHz	PIC16C715-20/P	108-4361	8.45	5.47	4.92
16C715	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 128 bytes RAM - 20MHz (IND TEMP)	PIC16C715-20I/P	975-9867	9.56	6.14	5.53
16C715	18	SOIC	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 128 bytes RAM - 20MHz (IND TEMP)	PIC16C715-20I/SO	SMD 108-4362	9.67	6.25	5.64
16C716	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K EPROM, 128 bytes RAM	PIC16C716/JW	332-0844	24.57	17.53	14.84
16C716	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 128 bytes RAM - 4MHz	PIC16C716-04/P.	332-0856	7.68	4.12	3.70
04	18	DIL	8-Bit CMOS Microcontroller	PIC16C716-04/P	113-7319	6.37	4.12	3.70
16C716	18	SOIC	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 128 bytes RAM - 4MHz	PIC16C716-04/SO	SMD 975-9875	6.49	4.19	3.77
16LC716	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 128 bytes RAM - 4MHz (IND TEMP, Low Power)	PIC16LC716-04I/P	976-1586	7.37	4.74	4.27
16C717	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 256 bytes RAM - 20MHz	PIC16C717/P	108-4291	6.53	4.23	3.81
717	18	SOIC	8-Bit CMOS Microcontroller	PIC16C717/SO	SMD 113-7320	6.68	4.31	3.89
16C717	18	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 256 bytes RAM - 20MHz (IND TEMP)	PIC16C717-I/P.	332-0960	8.88	4.74	4.27
717	18	DIL	8-Bit CMOS Microcontroller	PIC16C717-I/P	113-7321	7.37	4.74	4.27
16C717	18	SOIC	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 256 bytes RAM - 20MHz (IND TEMP)	PIC16C717-I/SO	SMD 975-9883	7.45	4.82	4.35
770	20	DIL	8-Bit CMOS Microcontroller	PIC16C770-I/P	113-7322	7.22	4.69	4.22
04	28	SDIL	8-Bit CMOS Microcontroller	PIC16C72A-04/SP	113-7317	8.75	6.38	5.88
16C72A	28	SDIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz (IND TEMP)	PIC16C72A-20I/SP	975-9921	10.33	7.53	6.92
16C73B	28	DIL	8-bit CMOS EPROM MCU with ADC, 4K EPROM, 192 bytes RAM	PIC16C73B/JW	315-4609	30.25	18.81	18.26
16C73B	28	SDIL	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 22 I/O lines - 4MHz	PIC16C73B-04/SP	108-4277	11.32	8.25	7.59
16C73B	28	SOIC	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 22 I/O lines - 4MHz	PIC16C73B-04/SO.	SMD 324-4350	13.64	8.25	7.59
04	28	SOIC	8-Bit CMOS Microcontroller with A/D Converter	PIC16C73B-04/SO	SMD 113-7318	11.32	8.25	7.59
16C73B	28	SDIL	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C73B-20I/SP	976-0008	13.32	9.72	8.94
16C73B	28	SOIC	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C73B-20I/SO	SMD 108-4262	13.32	9.72	8.94
16C73B	28	SSOP	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C73B-20I/SS.	SMD 315-4634	16.60	10.02	9.23
16C74B	40	DIL	8-bit CMOS EPROM MCU, 4K EPROM, 192 bytes RAM	PIC16C74B/JW	315-4646	34.32	21.34	20.72
16C74B	40	DIL	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 33 I/O lines - 4MHz	PIC16C74B-04/P	976-0091	13.78	10.02	9.23
73	28	SSOP	8-Bit CMOS Microcontrollers with A/D Converter	PIC16C73B-20I/SS	SMD 113-7313	13.78	10.02	9.23
16C74B	44	PLCC	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 33 I/O lines - 4MHz (PLCC)	PIC16C74B-04/L	SMD 976-0083	15.39	14.14	11.95
16C74B	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C74B-20I/P	108-4263	16.12	11.78	10.82
16C74B	44	PLCC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP, PLCC)	PIC16C74B-20I/L	SMD 976-0130	17.77	16.33	13.80
16C76	28	DIL	8-bit CMOS EPROM MCU, 8K EPROM, 368 bytes RAM	PIC16C76/JW	687-297	39.31	27.33	25.85
16C76	28	SOIC	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz	PIC16C76-04/SO	SMD 119-6835	15.17	12.82	9.02
16C76	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz	PIC16C76-04/SP	976-0148	14.32	10.46	9.62
16C77	40	DIL	8-bit CMOS EPROM MCU, 8K EPROM, 368 bytes RAM	PIC16C77/JW	687-212	39.00	27.12	25.62
16C77	40	DIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz	PIC16C77-04/P	976-0172	15.39	11.22	10.32
16C77	44	PLCC	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz	PIC16C77-04/L	SMD 976-0164	16.16	13.36	11.99

PIC®16C77x



The **PIC16C77x** MCU family provides upward compatible devices from the PIC16C7xx devices in 20 to 44-pin packages with high level of analogue peripheral integration. The family features a 14-bit instruction set, 6 to 10 channels, 12-bit ADCs, interrupt handling capabilities, various serial interface capabilities, Capture/Compare/PWM, programmable brown-out detection, programmable low voltage detection, absolute voltage reference generator and a deep 8-level stack.

239101

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16C770	20	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 256 bytes RAM - 20MHz	PIC16C770/P	108-4292	6.45	4.17	3.76
16C770	20	DIL	8-bit CMOS EPROM MCU with ADC, 2K OTP PROM, 256 bytes RAM - 20MHz (IND TEMP)	PIC16C770-I/P.	332-1125	8.70	4.69	4.22
16C771	20	DIL	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 256 bytes RAM - 20MHz	PIC16C771/P	108-4293	7.03	4.55	4.11
16C771	20	DIL	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 256 bytes RAM - 20MHz (IND TEMP)	PIC16C771-I/P	119-6801	7.23	6.12	4.30
16C771	20	SOIC	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 256 bytes RAM - 20MHz (IND TEMP)	PIC16C771-I/SO	SMD 119-6802	7.39	6.25	5.21
16LC771	20	SSOP	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 256 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LC771-I/SS	SMD 108-4294	9.21	5.95	5.37
16C773	28	DIL	8-bit CMOS EPROM MCU with ADC, 4K EPROM, 256 bytes RAM	PIC16C773/JW	315-4671	32.75	22.89	21.57
16C773	28	SDIL	8-bit CMOS EPROM MCU with ADC, 4K EPROM, 256 bytes RAM, 22 I/O lines - (IND TEMP)	PIC16C773-I/SP	976-0210	12.44	9.09	8.34
16C773	28	SOIC	8-bit CMOS EPROM MCU with ADC, 4K EPROM, 256 bytes RAM, 22 I/O lines - (IND TEMP)	PIC16C773-I/SO	SMD 976-0202	12.44	9.09	8.34
16C774	40	DIL	8-bit CMOS EPROM MCU with ADC, 4K EPROM, 256 bytes RAM	PIC16C774/JW	315-4701	40.50	28.30	26.66
16C774	40	DIL	8-bit CMOS EPROM MCU with ADC, 4K EPROM, 256 bytes RAM, 33 I/O lines - (IND TEMP)	PIC16C774-I/P	976-0229	15.13	11.03	10.16

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

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PIC®16C745/765 - USB 1.1



The **PIC16C745/765** devices are a low-cost, high performance solution for low-speed embedded USB application. The PIC16C745/765 USB family is offered in 28 to 44-pin packages and is complemented with a robust peripheral set. This full featured family offers low-speed USB (version 1.1 and HID version 1.1) with 6 Endpoints, 64 bytes of USB Dual Port RAM, 5 to 8 channels of 8-bit ADCs, 2 Capture/Compare/PWM modules, programmable brown-out detection, Universal Synchronous Asynchronous Receiver Transmitter (USART) and parallel slave port (PIC16C765 only).

241438

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16C745	28	SOIC	8-bit CMOS EPROM MCU, 8K OTP PROM, 256 Bytes RAM (IND TEMP)	PIC16C745-I/SO	SMD 976-0024	9.10	5.87	5.29
16C745	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 256 Bytes RAM (IND TEMP)	PIC16C745-I/SP	976-0032	9.10	5.87	5.29
16C745	28	DIL	8-bit CMOS EPROM MCU, 8K EPROM, 256 Bytes RAM	PIC16C745/JW	343-5118	32.13	22.37	21.15
16C765	40	DIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 256 Bytes RAM (IND TEMP)	PIC16C765-I/P	976-0156	10.86	7.01	6.33
16C765	40	DIL	8-bit CMOS EPROM MCU, 8K EPROM, 265 Bytes RAM	PIC16C765/JW	343-5143	33.78	23.50	22.22

PIC®16F62x - FLASH Program Memory

The **PIC16F62x** family provides the performance and versatility to meet the most demanding requirements of today's entry level analog marketplace.
This powerful (200 nanosecond instruction execution) yet easy-to-program (only 35 single word instructions) CMOS FLASH-based 8-bit microcontroller packs Microchip's powerful PIC architecture into an 18-pin package and is upwards compatible with the PIC16F62X, PIC16C62XA, PIC16C5X and PIC12CXXX devices. The PIC16F62XA features 4MHz internal oscillator, 128 bytes of EEPROM data memory, a capture/compare/PWM, a USART, 2 Comparators and a programmable voltage reference that make it ideal for advantage analog / integrated level applications in automotive, industrial, appliances and consumer applications.

240791

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F627A	28	QFN	8-bit CMOS EEPROM MCU, 1K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F627A-I/ML	SMD 976-0326	5.41	3.49	3.15
16F627A	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F627A-I/P	976-0334	4.53	2.92	2.63
16F627A	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F627A-I/SO	SMD 976-0342	4.61	2.97	2.68
16F627A	20	SSOP	8-bit CMOS EEPROM MCU, 1K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F627A-I/SS	SMD 976-0350	4.95	3.22	2.90
16F627	18	DIL	8-bit CMOS EPROM MCU, 1K FLASH, 224 bytes RAM - 4MHz	PIC16F627-04/P	976-0288	5.37	3.91	3.61
16F627	18	SOIC	8-bit CMOS EPROM MCU, 1K FLASH, 224 bytes RAM - 4MHz	PIC16F627-04/SO	SMD 108-4297	5.45	3.98	3.66
16F627	18	DIL	8-bit CMOS EPROM MCU, 1K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F627-20I/P	976-0318	6.33	4.59	4.22
16F627	18	DIL	8-bit CMOS EPROM MCU, 1K FLASH, 224 bytes RAM - 4MHz (IND TEMP)	PIC16F627-04I/P	108-4298	5.87	4.29	3.94
16F627	18	SOIC	8-bit CMOS EPROM MCU, 1K FLASH, 224 bytes RAM - 4MHz (IND TEMP)	PIC16F627-04I/SO	SMD 976-0296	5.99	4.38	4.01
16F627	20	SSOP	8-bit CMOS EPROM MCU, 1K FLASH, 224 bytes RAM - 4MHz (IND TEMP)	PIC16F627-04I/SS	SMD 976-0300	6.45	4.71	4.33
16F627	18	SOIC	8-bit CMOS EPROM MCU, 1K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F627-20I/SO	SMD 108-4265	6.41	4.69	4.31
16F628A	28	QFN	8-bit CMOS EEPROM MCU, 2K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F628A-I/ML	SMD 108-4334	5.95	3.94	3.70
16F628A	18	DIL	8-bit CMOS EEPROM MCU, 2K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F628A-I/P	976-0423	5.14	3.30	2.98
16F628A	18	SOIC	8-bit CMOS EEPROM MCU, 2K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F628A-I/SO	SMD 976-0431	5.22	3.39	3.05
16F628A	20	SSOP	8-bit CMOS EEPROM MCU, 2K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F628A-I/SS	SMD 976-0440	5.68	3.66	3.29
16F628	18	DIL	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 4MHz	PIC16F628-04/P	976-0369	6.10	4.44	4.07
16F628	18	SOIC	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 4MHz	PIC16F628-04/SO	SMD 976-0377	6.18	4.54	4.16
16LF628	18	DIL	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 4MHz (IND TEMP, Low Power)	PIC16LF628-04I/P	976-1594	6.99	5.11	4.70
16LF628	18	SOIC	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 4MHz (IND TEMP, Low Power)	PIC16LF628-04I/SO	SMD 976-1608	7.14	5.22	4.81
16LF628	20	SSOP	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 4MHz (IND TEMP, Low Power)	PIC16LF628-04I/SS	SMD 976-1624	7.72	5.62	5.18
16F628	18	DIL	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 20MHz	PIC16F628-20/P	976-0393	6.49	4.74	4.37
16F628	18	DIL	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 4MHz (IND TEMP)	PIC16F628-04I/P	976-0385	6.68	4.86	4.48
16F628	18	DIL	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F628-20I/P	976-0407	7.14	5.22	4.81
16F628	18	SOIC	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F628-20I/SO	SMD 976-0415	7.33	5.32	4.88
16F628	20	SSOP	8-bit CMOS EPROM MCU, 2K FLASH, 224 bytes RAM - 20MHz (IND TEMP)	PIC16F628-20I/SS	SMD 108-4266	7.87	5.75	5.29

PIC®16F64x - FLASH Program Memory

This powerful (200 nanosecond instruction execution) yet easy-to-program (only 35 single word instructions) CMOS FLASH-based 8-bit microcontroller packs Microchip's powerful PIC architecture into an 18-pin package and is upwards compatible with the PIC16F628, PIC16C62XA, PIC16C5X and PIC12CXXX devices. The PIC16F648A features 4MHz internal oscillator, 256 bytes of EEPROM data memory, a capture/compare/PWM, a USART, 2 Comparators and a programmable voltage reference that make it ideal for analogue/integrated level applications in automotive, industrial, appliances and consumer applications.

333789

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F648	18	DIL	8-Bit MCU, Flash, ECCP, AUSART with nanoWatt - 20MHZ (IND TEMP)	PIC16F648A-I/P	976-0490	5.84	3.75	3.39
16F648	18	SOIC	8-Bit MCU, Flash, ECCP, AUSART with nanoWatt - 20MHZ (IND TEMP)	PIC16F648A-I/SO	SMD 976-0504	5.95	3.85	3.46
16F648	20	SSOP	8-Bit MCU, Flash, ECCP, AUSART with nanoWatt - 20MHZ (IND TEMP)	PIC16F648A-I/SS.	SMD 405-7740	7.72	4.14	3.74
648	20	SSOP	8-Bit CMOS Microcontroller with nano Watt Technology	PIC16F648A-I/SS	SMD 113-7333	6.41	4.14	3.74
16F648	28	QFN	8-Bit MCU, Flash, ECCP, AUSART with nanoWatt - 20MHZ (IND TEMP)	PIC16F648A-I/ML	SMD 976-0482	6.68	4.31	3.89

PIC®16F7x - FLASH Program Memory



The **PIC16F7x** MCU mid-range family offers high performance FLASH micros in 28, 40 and 44-pin packages. The family features a 14-bit instruction set, interrupt handling capability up to 8 channels of 8-bit ADCs, various serial interface capabilities, Capture/Compare/PWM, brown-out reset and an 8-level deep hardware stack. The FLASH based platform provides a migration path for OTP users, which allows the flexibility for the users to update or reprogram. The 8-bit resolution offer accuracy without significant power consumption, an ideal solution for battery powered applications. Chip Scale packages also available (MLF).

240795

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F72	28	SOIC	8-bit CMOS FLASH MCU 128 bytes RAM (IND TEMP)	PIC16F72-I/SO	SMD 976-0628	5.76	4.21	3.89
16F72	28	SDIL	8-bit CMOS FLASH MCU 128 bytes RAM (IND TEMP)	PIC16F72-I/SP	976-0636	5.76	4.21	3.89
16F72	28	SSOP	8-bit CMOS FLASH MCU 128 bytes RAM (IND TEMP)	PIC16F72-I/SS	SMD 976-0644	6.03	4.40	4.05
16F73	28	QFN	8-bit CMOS FLASH EPROM MCU 192 bytes RAM (IND TEMP)	PIC16F73-I/ML	SMD 108-4327	8.98	6.57	6.05
16F73	28	SOIC	8-bit CMOS FLASH EPROM MCU 192 bytes RAM (IND TEMP)	PIC16F73-I/SO	SMD 976-0660	8.98	6.57	6.05
16F73	28	SDIL	8-bit CMOS FLASH EPROM MCU 192 bytes RAM (IND TEMP)	PIC16F73-I/SP	976-0679	8.98	6.57	6.05
16F73	28	SSOP	8-bit CMOS FLASH EPROM MCU 192 bytes RAM (IND TEMP)	PIC16F73-I/SS	SMD 976-0687	9.29	6.76	6.22
16LF73	28	SOIC	8-bit CMOS FLASH EPROM MCU 192 bytes RAM Low Power (IND TEMP, Low Power)	PIC16LF73-I/SO	SMD 976-1632	9.44	6.92	6.36
73	28	SDIL	Low Power 8-bit CMOS FLASH Microcontroller	PIC16LF73-I/SP	113-7325	9.44	6.92	6.36
16F74	44	PLCC	8-bit CMOS FLASH EPROM MCU 192 bytes RAM (IND TEMP)	PIC16F74-I/L	SMD 108-4302	12.25	9.20	8.62
16F74	40	DIL	8-bit CMOS FLASH EPROM MCU 192 bytes RAM (IND TEMP)	PIC16F74-I/P	976-0695	10.94	7.98	7.34
16F74	44	TQFP	8-bit CMOS FLASH EPROM MCU 192 bytes RAM (IND TEMP)	PIC16F74-I/PT	SMD 108-4303	13.13	9.57	8.81
16F74	40	DIL	8-bit CMOS FLASH EPROM MCU 192 bytes RAM (IND TEMP, Low power)	PIC16LF74-I/P.	352-9204	13.83	8.38	7.70
74	40	DIL	Low Power 8-bit CMOS FLASH Microcontroller	PIC16LF74-I/P	113-7326	11.48	8.38	7.70
16F76	28	SOIC	8-bit CMOS EPROM MCU 368 bytes RAM (IND TEMP)	PIC16F76-I/SO	SMD 976-0709	11.32	8.25	7.59
16F76	28	SDIL	8-bit CMOS EPROM MCU 368 bytes RAM (IND TEMP)	PIC16F76-I/SP	976-0717	11.32	8.25	7.59
16F76	28	SSOP	8-bit CMOS EPROM MCU 368 bytes RAM (IND TEMP)	PIC16F76-I/SS	SMD 108-4328	11.59	8.44	7.77
16LF76	28	SDIL	8-bit CMOS EPROM MCU 368 bytes RAM (IND TEMP, Low power)	PIC16LF76-I/SP	976-1640	11.86	8.65	7.96
16LF76	28	SOIC	8-bit CMOS EPROM MCU 368 bytes RAM (IND TEMP, Low power)	PIC16LF76-I/SO	SMD 121-2683	11.86	8.65	7.96
16F77	44	PLCC	8-bit CMOS FLASH EPROM MCU 368 bytes RAM (IND TEMP)	PIC16F77-I/L	SMD 976-0725	14.01	10.52	9.86
16F77	40	DIL	8-bit CMOS FLASH EPROM MCU 368 bytes RAM (IND TEMP)	PIC16F77-I/P	976-0733	12.52	9.11	8.38
16F77	44	TQFP	8-bit CMOS FLASH EPROM MCU 368 bytes RAM (IND TEMP)	PIC16F77-I/PT	SMD 976-0741	15.01	10.96	10.06
16LF77	40	DIL	8-bit CMOS FLASH EPROM MCU 368 bytes RAM (IND TEMP, Low power)	PIC16LF77-I/P	976-1659	13.13	9.57	8.81

PIC®16F785 8-Bit Microcontrollers

MICROCHIP

NEW

The PIC16F785 is a Flash-Based 8-Bit CMOS Microcontoller. It is available in a selection of 20-pin packages and has 2048 words of Flash Program memory as well as 256 bytes EEPROM and 128 bytes SRAM. Other features are two operational amplifiers, two comparators, a 2-phase PWM, two 8-bit timers and one 16-bit timer. A Power-on reset, Power-up timer, Brown-out reset and Low Current Watchdog timer are also included on the microcontroller.

405958

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
785	20	DIL	8-Bit CMOS FLASH MCU with 128 bytes RAM, 18 I/O lines - 20MHz	PIC16F785-I/P	932-1160	4.65	3.70	3.40
785	20	SOIC	8-Bit CMOS FLASH MCU with 128 bytes RAM, 18 I/O lines - 20MHz	PIC16F785-I/SO	SMD 932-1179	5.22	3.53	3.26
785	20	SSOP	8-Bit CMOS FLASH MCU with 128 bytes RAM, 18 I/O lines - 20MHz	PIC16F785-I/SS	SMD 932-1187	4.65	3.05	2.81

PIC®16F818/819 - 18/20-pin Enhanced FLASH

MICROCHIP

This powerful (200 nanosecond instruction execution) yet easy-to-program (only 35 single word instructions) CMOS Flash-based 8-bit microcontroller packs Microchip's powerful PIC architecture into an 18-pin package and is upwards compatible with the PIC16C7x, PIC16C62xA, PIC16C5X and PIC12CXXX devices. The PIC16F818 / PIC16F819 features 8MHz internal oscillator, 128 / 256 bytes of EEPROM data memory respectively, a capture/compare/PWM, a synchronous serial port that can be configured as either 3-wire Serial Peripheral Interface (SPI™) or the 2-wire Inter-Integrated Circuit (I^2C™) bus and 5 channels of 10-bit Analog-to-Digital (A/D) converter that make it ideal for advantage analog / integrated level applications in automotive, industrial, appliances and consumer applications.

243422

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F818	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 128 bytes RAM - 20MHz (IND TEMP)	PIC16F818-I/P	976-0750	5.45	3.53	3.16
16F818	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 128 bytes RAM - 20MHz (IND TEMP)	PIC16F818-I/SO	SMD 976-0768	5.53	3.56	3.22
16F818	20	SSOP	8-bit CMOS EEPROM MCU, 1K FLASH, 128 bytes RAM - 20MHz (IND TEMP)	PIC16F818-I/SS	SMD 108-4335	5.99	3.87	3.50
16F819	28	QFN	8-bit CMOS EEPROM MCU, 2K FLASH, 256 bytes RAM - 20MHz (IND TEMP)	PIC16F819-I/ML	SMD 976-0776	7.37	4.74	4.27
16F819	18	DIL	8-bit CMOS EEPROM MCU, 2K FLASH, 256 bytes RAM - 20MHz (IND TEMP)	PIC16F819-I/P	976-0784	6.18	4.00	3.61
16F819	18	SOIC	8-bit CMOS EEPROM MCU, 2K FLASH, 256 bytes RAM - 20MHz (IND TEMP)	PIC16F819-I/SO	SMD 976-0792	6.33	4.06	3.66
16F819	20	SSOP	8-bit CMOS EEPROM MCU, 2K FLASH, 256 bytes RAM - 20MHz (IND TEMP)	PIC16F819-I/SS	SMD 976-0806	6.76	4.38	3.96

PIC®16F87/88 - 18/20-Pin Low Power FLASH

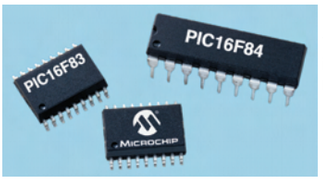
MICROCHIP

This powerful (200 nanosecond instruction execution) yet easy-to-program (only 35 single word instructions) CMOS Flash-based 8-bit microcontroller packs Microchip's powerful PIC architecture into an 18-pin package and is upwards compatible with the PIC16C7x, PIC16C62xA, PIC16C5X and PIC12CXXX devices. The PIC16F87 / PIC16F88 feature 8MHz internal oscillator, 256 bytes of EEPROM data memory, a capture/compare/PWM, an Addressable USART and 2 Comparators. These features make it ideal for advantage analog / integrated level applications in automotive, industrial, appliances and consumer applications. In addition the PIC16F88 also offers a synchronous serial port that can be configured as either 3-wire Serial Peripheral Interface (SPI™) or the 2-wire Inter-Integrated Circuit (I^2C™) bus, 7 channels of 10-bit Analog-to-Digital (A/D) converter.

243429

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F87	18	DIL	8-bit CMOS EEPROM MCU, 4K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F87-I/P	976-1462	7.14	4.63	4.18
16F87	18	SOIC	8-bit CMOS EEPROM MCU, 4K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F87-I/SO	SMD 976-1470	7.37	4.74	4.27
16F87	20	SSOP	8-bit CMOS EEPROM MCU, 4K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F87-I/SS	SMD 976-1489	7.87	5.09	4.59
16F87	28	QFN	8-bit CMOS EEPROM MCU, 4K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F87-I/ML	SMD 120-0023	8.30	6.87	4.82
16F88	18	DIL	8-bit CMOS EEPROM MCU, 4K FLASH, 368 bytes RAM, with ADC - 20MHz (IND TEMP)	PIC16F88-I/P	976-1500	7.68	4.95	4.46
16F88	18	SOIC	8-bit CMOS EEPROM MCU, 4K FLASH, 368 bytes RAM, with ADC - 20MHz (IND TEMP)	PIC16F88-I/SO	SMD 976-1519	7.83	5.07	4.57
16F88	20	SSOP	8-bit CMOS EEPROM MCU, 4K FLASH, 368 bytes RAM, with ADC - 20MHz (IND TEMP)	PIC16F88-I/SS	SMD 108-4336	8.41	5.45	4.90
16F88	28	QFN	8-bit CMOS EEPROM MCU, 4K FLASH, 368 bytes RAM, with ADC - 20MHz (IND TEMP)	PIC16F88-I/ML	SMD 976-1497	8.56	6.23	5.74

PIC®16F84A - FLASH Program Memory



The **PIC16F8x** MCU family offers a range of 18-pin devices with FLASH re-programmable program and data memory. The family has a 14-bit instruction set, interrupt handling capability and a deep 8-level stack. The MCUs provide performance and versatility to meet the most demanding requirements of re-programmable market place for 8-bit applications.

● Compliant ● Non-compliant ++ Limited stock - RoHS replacement available

RoHS

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240796

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F84A	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz	PIC16F84A-04/P	976-0865	9.41	6.88	6.33
16F84A	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz	PIC16F84A-04/SO	SMD 976-0873	9.60	7.01	6.44
16F84A	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (IND TEMP)	PIC16F84A-04I/P	976-0881	10.37	7.55	6.94
16F84A	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (IND TEMP)	PIC16F84A-04I/SO	SMD 976-0890	10.56	7.68	7.07
16F84A	20	SSOP	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (IND TEMP)	PIC16F84A-04I/SS	SMD 976-0903	11.17	8.18	7.51
16F84A	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 20MHz (IND TEMP)	PIC16F84A-20I/P	976-0938	11.06	8.08	7.42
16F84A	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 20MHz	PIC16F84A-20/P	976-0911	10.06	7.34	6.75
16F84A	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 20MHz	PIC16F84A-20/SO	SMD 976-0920	10.21	7.47	6.86
16F84A	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 20MHz (IND TEMP)	PIC16F84A-20I/SO	SMD 108-4267	11.21	8.19	7.53
16F84A	20	SSOP	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 20MHz (IND TEMP)	PIC16F84A-20I/SS	SMD 108-4268	11.86	8.65	7.96
16LF84A	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (IND TEMP, Low Power)	PIC16LF84A-04I/P	976-1683	10.83	7.89	7.25
16LF84A	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (IND TEMP, Low Power)	PIC16LF84A-04I/SO	SMD 108-4295	11.02	8.04	7.40
16LF84A	28	SSOP	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (IND TEMP, Low Power)	PIC16LF84A-04I/SS	SMD 976-1691	11.63	8.50	7.83
16LF84	20	SSOP	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (Low power)	PIC16LF84A-04/SS	SMD 120-0020	11.00	9.11	7.39

PIC®16F87x - FLASH Program Memory



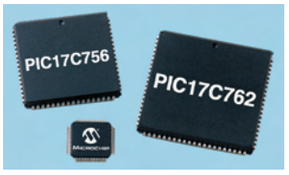
The **PIC16F87x** MCU family provides a migration path from OTP to FLASH in 28 to 44-pin packages, with a wide range of peripheral integration options. The family features a 14-bit instruction set, 5 to 8 channels of 10-bit ADCs, interrupt handling capability, various serial interface capabilities, Capture/Compare/PWM, brown-out detection and an 8-level deep stack. The family provides performance to meet demanding requirements in analog designs. With FLASH program memory, PIC16F87x devices can be re-programmed over the entire operating voltage range (2.0V to 5.5V).

240797

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
16F870	28	SOIC	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F870-I/SO	SMD 976-0946	7.75	5.66	5.20
16F870	28	SDIL	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F870-I/SP	976-0954	7.75	5.66	5.20
16F870	28	SSOP	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F870-I/SS	SMD 976-0962	7.99	5.85	5.37
16F871	44	PLCC	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F871-I/L	SMD 976-0970	10.29	8.48	7.60
16F871	40	DIL	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F871-I/P	976-0989	9.18	6.08	5.70
16F871	44	TQFP	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F871-I/PT	SMD 976-0997	12.40	8.21	7.70
16LF871	44	PLCC	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP, Low Power)	PIC16LF871-I/L	SMD 976-1705	10.83	8.92	8.01
16LF871	40	DIL	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP, Low Power)	PIC16LF871-I/P	108-4329	9.64	6.38	5.98
16LF871	44	TQFP	8-bit CMOS EEPROM MCU, 2K FLASH, 128 bytes RAM (IND TEMP, Low Power)	PIC16LF871-I/PT	SMD 976-1713	12.98	8.59	8.07
16F872	28	SOIC	8-bit CMOS MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F872-I/SO	SMD 976-1004	7.75	5.66	5.20
16F872	28	SDIL	8-bit CMOS MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F872-I/SP	976-1012	7.75	5.66	5.20
16F872	28	SSOP	8-bit CMOS MCU, 2K FLASH, 128 bytes RAM (IND TEMP)	PIC16F872-I/SS	SMD 108-4299	7.99	5.85	5.37
16LF872	28	SOIC	8-bit CMOS MCU, 2K FLASH, 128 bytes RAM (IND TEMP, Low Power)	PIC16LF872-I/SO	SMD 976-1721	8.18	5.96	5.48
16LF872	28	SDIL	8-bit CMOS MCU, 2K FLASH, 128 bytes RAM (IND TEMP, Low Power)	PIC16LF872-I/SP	976-1730	8.18	5.96	5.48
16LF872	28	SSOP	8-bit CMOS MCU, 2K FLASH, 128 bytes RAM (IND TEMP, Low Power)	PIC16LF872-I/SS	SMD 976-1748	8.37	6.12	5.62
16F873A	28	SOIC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F873A-I/SO	SMD 976-1080	10.98	8.02	7.36
16F873A	28	SDIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F873A-I/SP	976-1098	10.98	8.02	7.36
16F873A	28	SSOP	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F873A-I/SS	SMD 976-1101	11.21	8.19	7.53
16LF873A	28	SOIC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF873A-I/SO	SMD 976-1756	11.56	8.40	7.73
16LF873A	28	SDIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF873A-I/SP	976-1764	11.56	8.40	7.73
16LF873A	28	SSOP	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF873A-I/SS	SMD 976-1772	12.13	8.84	8.12
16F874A	44	PLCC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F874A-I/L	SMD 976-1195	13.44	10.12	9.47
16F874A	40	DIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F874A-I/P	976-1209	11.98	8.75	8.05
16F874A	44	TQFP	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F874A-I/PT	SMD 976-1217	13.82	10.06	9.25
16LF874A	40	DIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF874A-I/P	121-2711	12.59	9.20	8.47
16LF874A	44	PLCC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF874A-I/L	SMD 976-1780	14.13	10.61	9.95
16LF874A	44	TQFP	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF874A-I/PT	SMD 976-1799	14.51	10.58	9.73
16F876A	28	SOIC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F876A-I/SO	SMD 976-1306	11.82	8.63	7.94
16F876A	28	SDIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F876A-I/SP	976-1314	11.82	8.63	7.94
16F876A	28	SSOP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F876A-I/SS	SMD 976-1322	12.05	8.80	8.10
16LF876A	28	SOIC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF876A-I/SO	SMD 976-1802	12.40	9.05	8.33
16LF876A	28	SDIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF876A-I/SP	976-1810	12.40	9.05	8.33
16LF876A	28	SSOP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF876A-I/SS	SMD 976-1829	12.63	9.24	8.49
16F877A	44	PLCC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F877A-I/L	SMD 976-1438	14.43	10.86	10.19
16F877A	40	DIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F877A-I/P	976-1446	12.90	9.41	8.66
16F877A	44	TQFP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F877A-I/PT	SMD 976-1454	14.86	10.86	9.99
16LF877A	44	PLCC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF877A-I/L	SMD 976-1837	15.20	11.43	10.73
16LF877A	40	DIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF877A-I/P	976-1845	13.59	9.91	9.10
16LF877A	44	TQFP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP, Low Power)	PIC16LF877A-I/PT	SMD 976-1853	15.59	11.38	10.45

PIC®17Cxxx





The **PIC17Cxxx** MCU family offers high execution performance of a 8-bit MCU family. The family extends the PICmicro high-performance RISC architecture with a 16-bit instruction set in 40 to 84-pin package devices with high levels of peripheral integration. The family offers vectored interrupt handling, various serial interface capabilities, up to 16 channels of 10-bit ADCs and multi-timers. The family's powerful array of precise on-chip peripheral features provide performance for demanding 8-bit applications. It is ideally suited for applications that require extremely fast execution of complex software.

240798

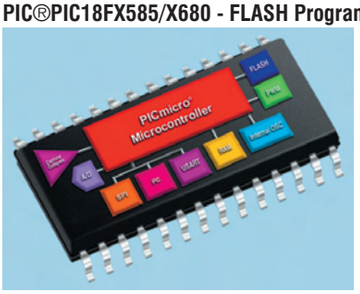
	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
17C42A	40	DIL	8-bit CMOS RISC MCU (High Performance), 2K EPROM - 33MHz	PIC17C42A/JW	100-780	38.77	27.14	25.57
17C42A	40	DIL	8-bit CMOS RISC MCU (High Performance), 2K OTP PROM - 16MHz	PIC17C42A-16/P	108-4219	17.39	12.69	11.67
17C43	40	DIL	8-bit CMOS RISC MCU (High Performance), 4K EPROM	PIC17C43/JW	791-477	42.07	29.44	27.71
17C43	40	DIL	8-bit CMOS RISC MCU (High Performance), 4K OTP PROM - 16MHz	PIC17C43-16/P	976-1870	19.62	14.31	13.15
17C43	44	PLCC	8-bit CMOS RISC MCU (High Performance), 4K OTP PROM - 16MHz	PIC17C43-16/L	SMD 976-1861	20.58	16.98	15.24
17C43	44	PLCC	8-bit CMOS RISC MCU (High Performance), 4K OTP PROM - 33MHz (IND TEMP)	PIC17C43-33I/L	SMD 119-6770	29.05	19.89	17.85
17C44	40	DIL	8-bit CMOS RISC MCU (High Performance), 8K EPROM	PIC17C44/JW	791-325	49.33	34.53	32.52
17C44	40	DIL	8-bit CMOS RISC MCU (High Performance), 8K OTP PROM - 16MHz	PIC17C44-16/P	976-1896	24.30	17.74	16.32
17C44	40	DIL	8-bit CMOS RISC MCU (High Performance), 8K OTP PROM - 33MHz (IND TEMP)	PIC17C44-33I/P	108-4221	28.64	20.89	19.20
17C44	44	PLCC	8-bit CMOS RISC MCU (High Performance), 8K OTP PROM - 33MHz (IND TEMP)	PIC17C44-33I/L	SMD 976-1918	29.71	22.33	20.94
17C756A	68	CLCC	8-bit CMOS EPROM MCU, (High Performance), 16K EPROM - 33MHz	PIC17C756A/CL	SMD 121-2662	64.91	40.39	39.21

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
17C756A	68	PLCC	8-bit CMOS EPROM MCU, (High Performance), 16K OTP PROM - 16MHz	PIC17C756A-16/L	SMD 108-4229	24.07	19.86	17.82
17C756A	68	PLCC	8-bit CMOS EPROM MCU, (High Performance), 16K OTP PROM - 33MHz (IND TEMP)	PIC17C756A-33I/L	SMD 976-1934	28.29	23.34	20.96
17LC756A	64	TQFP	8-bit CMOS EPROM MCU, (High Performance), 16K OTP PROM - 8MHz (IND TEMP, Low Power)	PIC17LC756A-08I/PT	SMD 108-4330	30.56	22.30	20.50
17C766	84	PLCC	8-bit CMOS EPROM MCU, (High Performance), 16K OTP PROM - 33MHz (IND TEMP)	PIC17C766-33I/L.	SMD 115-046	33.94	28.01	25.14
17C766	84	PLCC	8-bit CMOS EPROM MCU, (High Performance), 16K OTP PROM - 33MHz (IND TEMP)	PIC17C766-33I/L	SMD 120-0018	40.89	28.01	25.14

PIC®PIC18FX585/X680 - FLASH Program Memory



The PIC18FX585/X680 family merges all the advantages of the PIC18F architecture and the flexibility of FLASH program memory with a sophisticated ECAN bus, 10-bit A/D and nanoWatt Technology. The PIC18FX585/X680 also features a 'C' compiler friendly development environment, 1024 bytes of EEPROM, Self-programming.

Features:

- 1024 bytes of EEPROM data memory
- PWM 10-Bit
- Self Programming
- MPLAB® ICD 2 programming support or debugging support via two pins
- C compiler optimized architecture
- Flexible Oscillator Structure
- 40 MHz Max. Speed
- nanoWatt Technology
- ECAN bus Module
- LIN compatible addressable USART

347103

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F2585	28	SOIC	8-Bit MCU, 48K Flash, 3328 bytes RAM - 40MHZ (IND TEMP)	PIC18F2585-I/SO	SMD 121-2696	17.77	12.98	11.91
18F2680	28	SOIC	8-Bit MCU, 64K Flash, 1024 bytes RAM - 40MHZ (IND TEMP)	PIC18F2680-I/SO.	SMD 405-8984	19.23	14.04	12.91
18F2680	28	SOIC	8-Bit MCU, 64K Flash, 1024 bytes RAM - 40MHZ (IND TEMP)	PIC18F2680-I/SO	SMD 121-2699	19.23	14.04	12.91
18F2680	28	SDIL	8-Bit MCU, 64K Flash, 1024 bytes RAM - 40MHZ (IND TEMP)	PIC18F2680-I/SP	121-2700	19.62	14.31	13.15
18F4680	40	DIL	8-Bit MCU, 64K Flash, 3328 bytes RAM - 40MHZ (IND TEMP)	PIC18F4680-I/P.	405-9182	21.15	15.42	14.17
18F4680	40	DIL	8-Bit MCU, 64K Flash, 3328 bytes RAM - 40MHZ (IND TEMP)	PIC18F4680-I/P	121-2706	21.15	15.42	14.17
18F4680	44	TQFP	8-Bit MCU, 64K Flash, 3328 bytes RAM - 40MHZ (IND TEMP)	PIC18F4680-I/PT.	SMD 405-9190	21.27	15.49	14.25
18F4680	44	TQFP	8-Bit MCU, 64K Flash, 3328 bytes RAM - 40MHZ (IND TEMP)	PIC18F4680-I/PT	SMD 121-2707	21.27	15.49	14.25

PIC®PIC18FX585/FX680 - FLASH Program Memory

The PIC18F6585/8585/6680/8680 family merges all the advantages of the PIC18F architecture and the flexibility of an Enhanced Flash program memory with a sophisticated ECAN Module. PIC18F6X8X devices are available in 64-pin TQFP and 68-pin PLCC packages. PIC18F8X8X devices are available in the 80-pin TQFP package.

Features:

NEW

- Flash program memory (48 Kbytes for PIC18FX585 devices, 64 Kbytes for PIC18FX680)
- A/D channels (12 for PIC18F6X8X devices, 16 for PIC18F8X8X)
- I/O ports (7 on PIC18F6X8X devices, 9 on PIC18F8X8X)
- External program memory interface (present only on PIC18F8X8X devices)
- PWM 10-Bit
- Self Programming
- MPLAB® ICD 2 programming support or debugging support via two pins
- C compiler optimized architecture
- Flexible Oscillator Structure
- 40 MHz Max. Speed
- MSSP, Enhanced AUSART, ECAN
- POR, BOR, RESET Instruction, Stack Full, Stack Underflow (PWRT, OST)

347104

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F2480	28	SOIC	10-Bit MCU, 16k FLASH, 768 bytes SRAM - 40 MHz (IND TEMP)	PIC18F2480-I/SO	SMD 932-1225	14.93	10.92	10.05
18F2480	28	SDIL	10-Bit MCU, 16k FLASH, 768 bytes SRAM - 40 MHz (IND TEMP)	PIC18F2480-I/SP	932-1217	15.05	10.98	10.10
18F2580	28	SOIC	10-Bit MCU, 32k FLASH, 1536 bytes SRAM - 40 MHz (IND TEMP)	PIC18F2580-I/SO	SMD 932-1284	16.43	11.99	11.03
18F2580	28	SDIL	10-Bit MCU, 32k FLASH, 1536 bytes SRAM - 40 MHz (IND TEMP)	PIC18F2580-I/SP	932-1276	16.51	12.04	11.08
18F4480	40	DIL	10-Bit MCU, 16k FLASH, 768 bytes SRAM - 40 MHz (IND TEMP)	PIC18F4480-I/P	932-1330	16.51	12.04	11.08
18F4480	44	TQFP	10-Bit MCU, 16k FLASH, 768 bytes SRAM - 40 MHz (IND TEMP)	PIC18F4480-I/PT	SMD 932-1349	16.58	12.12	11.14
18F4580	40	DIL	10-Bit MCU, 32k FLASH, 1536 bytes SRAM - 40 MHz (IND TEMP)	PIC18F4580-I/P	932-1373	18.00	13.13	12.06
18F4580	44	TQFP	10-Bit MCU, 32k FLASH, 1536 bytes SRAM - 40 MHz (IND TEMP)	PIC18F4580-I/PT	SMD 932-1381	18.04	13.19	12.12
18F6585	64	TQFP	8-bit CMOS EEPROM MCU, 48K FLASH, 4Kbytes RAM, with ADC and CAN - 40MHz (IND TEMP)	PIC18F6585-I/PT	SMD 108-4323	21.69	15.84	14.56
18F6680	64	TQFP	8-bit CMOS EEPROM MCU, 64K FLASH, 3Kbytes RAM, with ADC and CAN - 40MHz (IND TEMP)	PIC18F6680-I/PT	SMD 976-2329	23.26	16.98	15.61
18F8585	80	TQFP	8-bit CMOS EEPROM MCU, 48K FLASH, 3Kbytes RAM, with ADC and CAN - 40MHz (IND TEMP)	PIC18F8585-I/PT.	SMD 405-9280	22.77	16.60	15.26
18F8585	80	TQFP	8-bit CMOS EEPROM MCU, 48K FLASH, 3Kbytes RAM, with ADC and CAN - 40MHz (IND TEMP)	PIC18F8585-I/PT	SMD 121-2708	22.77	16.60	15.26
18F8680	80	TQFP	8-bit CMOS EEPROM MCU, 64K FLASH, 3Kbytes RAM, with ADC and CAN - 40MHz (IND TEMP)	PIC18F8680-I/PT..	SMD 405-9301	29.23	17.70	16.28
8680		TQFP	Enhanced Flash Microcontroller with ECAN Module	PIC18F8680-I/PT	SMD 113-7339	24.26	17.70	16.28

PIC®18Fxxxx - FLASH Program Memory

Enhanced Flash Microcontrollers in 28,40,44,64 and 80 pin packages. Source code compatible with PIC16CXXX and PIC18CXXX instruction set. Linear Program Memory addressing up to 128Kbytes. Linear Data Memory addressing up to 3.5Kbytes. 256 bytes of Data EEPROM. 16-bit wide instructions. Up to 10 channels 10-bit ADC. Wide operating voltage range (2.0V to 5.5V). Industrial temperature range as standard offering.

240799

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F242	28	SDIL	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F242-I/SP	976-2086	13.01	9.51	8.75
18F242	28	SOIC	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F242-I/SO	SMD 976-2078	13.01	9.51	8.75
18F252	28	SDIL	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F252-I/SP	976-2116	14.20	10.37	9.53
18F252	28	SOIC	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F252-I/SO	SMD 976-2108	14.20	10.37	9.53
18LF252	28	SDIL	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP, Low Power)	PIC18LF252-I/SP	976-2426	14.90	10.88	10.01
18LF252	28	SOIC	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP, Low Power)	PIC18LF252-I/SO	SMD 976-2418	14.90	10.88	10.01
18F442	40	DIL	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F442-I/P	976-2183	14.51	10.58	9.73
18F442	44	PLCC	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F442-I/L	SMD 976-2175	16.24	12.20	11.43
18F442	44	TQFP	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F442-I/PT	SMD 108-4324	16.78	12.23	11.25
18F452	40	DIL	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F452-I/P	976-2230	15.74	11.47	10.55
18F452	44	PLCC	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F452-I/L	SMD 976-2221	17.39	13.07	12.27
18F452	44	TQFP	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F452-I/PT	SMD 976-2248	17.97	13.09	12.04
18LF452	40	DIL	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP, Low Power)	PIC18LF452-I/P	976-2450	16.47	12.02	11.05
18LF452	44	PLCC	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP, Low Power)	PIC18LF452-I/L	SMD 976-2442	18.27	13.74	12.88
18LF452	44	TQFP	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP, Low Power)	PIC18LF452-I/PT	SMD 976-2469	18.85	13.76	12.65

● Compliant ◀ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1452 Date: 22-08-06 time:00:18

PIC®PIC18F6X2X/8X2X - FLASH Program Memory

This family offers the high computational performance of PIC18F devices with the addition of high endurance enhanced FLASH program memory. The PIC18F6X2X/8X2X family also provides an enhanced range of program memory options and versatile analogue features that make it ideal for complex, high performance applications.
The PIC18F6X2X/8X2X family provides ample room for application code, and includes members with 48 Kbytes or 64 Kbytes of code space. Regardless of the memory size, all devices share the same rich set of peripherals, allowing for a smooth migration path as applications grow and evolve. The consistent pinout scheme used throughout the entire family also aids in migrating to the next larger device. This is true when moving between the 64-pin members, between the 80-pin members, or even jumping from 64-pin to 80-pin devices.

NEW

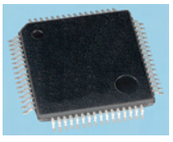
Features:
- 14 PWM 10-bit
- External Memory Interface
- Enhanced CCP
- Software Phase-locked Loop (PLL)
- Programmable Low-voltage Detect (LVD)
- 8x8 Multiplier and In-Circuit Debugging

347058

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F6525	64	TQFP	8-bit CMOS EEPROM MCU, 48K FLASH, 4Kbytes RAM, with ADC - 40MHz (IND TEMP)	PIC18F6525-I/PT	SMD 976-2299	20.23	14.75	13.56
18F6621	64	TQFP	8-bit CMOS EEPROM MCU, 64K FLASH, 4Kbytes RAM, with ADC - 40MHz (IND TEMP)	PIC18F6621-I/PT	SMD 976-2310	21.69	15.84	14.56
18F8621	80	TQFP	8-bit CMOS EEPROM MCU, 64K FLASH, 4Kbytes RAM, with ADC - 40MHz (IND TEMP)	PIC18F8621-I/PT	SMD 976-2370	22.77	16.60	15.26

PIC18F6627/6722/8627/8722

MICROCHIP



This Microcontroller family offers high computational performance, high endurance and Enhanced Flash program memory. The nanoWatt technology feature make these devices the logical choice in power sensitive applications.

Features:
- nanoWatt Technology which significantly reduces powerconsumption during operation
- External Memory Interface permitting a level of data access beyond the capabilities of normal 8-Bit devices
- Easy Migration as all devices share the same rich set of peripherals
- Self-Programmability
- Extended Instruction Set
- Two Capture/Compare/PWM (CCP) modules and three Enhanced CCP (ECCP) modules For maximum flexibility in controlapplications.

386428

Pins/Package	I/O Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F662764/TQFP	54	8-Bit CMOS MCU, 96K Flash, 3936 bytes RAM - 40MHZ (IND TEMP)	PIC18F6627-I/PT	SMD 875-2974	22.53	14.94	13.99
18F862780/TQFP	70	8-Bit CMOS MCU, 96K Flash, 3936 bytes RAM - 40MHZ (IND TEMP)	PIC18F8627-I/PT	SMD 875-2958	24.11	15.95	14.95
18F672264/TQFP	54	8-Bit CMOS MCU, 128K Flash, 3936 bytes RAM - 40MHZ (IND TEMP)	PIC18F6722-I/PT	SMD 875-2966	25.68	17.02	15.95
18F872280/TQFP	70	8-Bit CMOS MCU, 128K Flash, 3936 bytes RAM - 40MHZ (IND TEMP)	PIC18F8722-I/PT	SMD 875-2940	27.26	18.05	16.91

PIC®18Fxx20 - MCU Power Managed Family

MICROCHIP

Microchip's industry leading, flexible power managed microcontrollers with Nanowatt Technology merge the powerful FLASH-based PIC18F architecture that gives 10 MIPs performance with several new power managed features that are ideal for power consumption critical applications.
Some of the new features include new oscillator sources, a new low power Watchdog Timer, a 2-speed start-up, a fail-safe clock monitor and 6 new Power Managed Modes. These devices provide a low cost system-on-a-chip solution for intelligent small systems, or complex systems that require extended battery life and energy efficient operation. This PICmicro MCU family features a "C" compiler friendly environment, data EEPROM, self-programming, a 10-bit ADC with up to 13 analogue input channels, three 16-bit Timers and one 8-bit Timer, and ICD capability, all packed into 18-, 20-, 28-, 40-, 64- and 80-pin packages. The new power managed features allow designers to command complete control of their power consumption, making them ideal for instrumentation and monitoring, data acquisition, power conditioning, environmental monitoring and sensor applications.

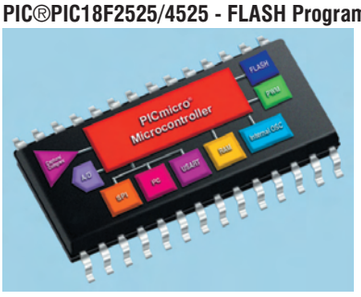
243415

	Pins	Pkg.	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F1220	18	DIL	8-bit CMOS EEPROM MCU, 2K FLASH, 256 bytes RAM - 40MHz (IND TEMP)	PIC18F1220-I/P	976-1977	7.68	5.60	5.14
18F1220	18	SOIC	8-bit CMOS EEPROM MCU, 2K FLASH, 256 bytes RAM - 40MHz (IND TEMP)	PIC18F1220-I/SO	SMD 976-1985	7.68	5.60	5.14
18F1220	20	SSOP	8-bit CMOS EEPROM MCU, 2K FLASH, 256 bytes RAM - 40MHz (IND TEMP)	PIC18F1220-I/SS	SMD 976-1993	8.18	5.96	5.48
18F1320	28	QFN	8-bit CMOS EEPROM MCU, 4K FLASH, 256 bytes RAM - 40MHz (IND TEMP)	PIC18F1320-I/ML	SMD 976-2000	9.21	6.73	6.18
18F1320	18	DIL	8-bit CMOS EEPROM MCU, 4K FLASH, 256 bytes RAM - 40MHz (IND TEMP)	PIC18F1320-I/P	976-2019	8.68	6.33	5.83
18F1320	18	SOIC	8-bit CMOS EEPROM MCU, 4K FLASH, 256 bytes RAM - 40MHz (IND TEMP)	PIC18F1320-I/SO	SMD 976-2027	8.68	6.33	5.83
18F1320	20	SSOP	8-bit CMOS EEPROM MCU, 4K FLASH, 256 bytes RAM - 40MHz (IND TEMP)	PIC18F1320-I/SS	SMD 108-4333	9.21	6.73	6.18
18F2220	28	SOIC	8-bit CMOS EEPROM MCU, 4K FLASH, 512 bytes RAM - 40MHz (IND TEMP)	PIC18F2220-I/SO	SMD 976-2035	12.28	8.96	8.23
18F2220	28	SDIL	8-bit CMOS EEPROM MCU, 4K FLASH, 512 bytes RAM - 40MHz (IND TEMP)	PIC18F2220-I/SP	976-2043	12.28	8.96	8.23
18F2420	28	SDIL	10-Bit MCU, 16k FLASH, 768 bytes SRAM - 40 MHz (IND TEMP)	PIC18F2420-I/SP	932-1195	13.01	9.51	8.75
18F2420	28	SOIC	10-Bit MCU, 16k FLASH, 768 bytes SRAM - 40 MHz (IND TEMP)	PIC18F2420-I/SO	SMD 932-1209	12.59	9.20	8.47
18F2520	28	SDIL	10-Bit MCU, 32k FLASH, 1536 bytes SRAM - 40 MHz (IND TEMP)	PIC18F2520-I/SP	932-1233	14.51	10.58	9.73
18F2520	28	SOIC	10-Bit MCU, 32k FLASH, 1536 bytes SRAM - 40 MHz (IND TEMP)	PIC18F2520-I/SO	SMD 932-1241	14.09	10.27	9.45
18F2620	28	SOIC	8-Bit MCU , 64K Flash, 1024 bytes RAM - 40MHZ (IND TEMP)	PIC18F2620-I/SO	SMD 121-2697	16.85	12.33	11.34
18F2620	28	SDIL	8-Bit MCU , 64K Flash, 1024 bytes RAM - 40MHZ (IND TEMP)	PIC18F2620-I/SP	121-2698	17.43	12.73	11.69
18F4220	40	DIL	8-bit CMOS EEPROM MCU, 4K FLASH, 512 bytes RAM - 40MHz (IND TEMP)	PIC18F4220-I/P	119-6810	13.93	11.52	9.31
18F4220	44	TQFP	8-bit CMOS EEPROM MCU, 4K FLASH, 512 bytes RAM - 40MHz (IND TEMP)	PIC18F4220-I/PT.	SMD 424-3353	18.82	11.41	10.49
4220	44	TQFP	Enhanced Flash Microcontrollers with 10-Bit A/D and nanoWatt Technology	PIC18F4220-I/PT	SMD 113-7343	15.62	11.41	10.49
18F2320	28	SOIC	8-bit CMOS MCU, 8K FLASH, 512 bytes RAM (IND TEMP) - 40MHz	PIC18F2320-I/SO	SMD 976-2051	13.28	9.70	8.92
18F2320	28	SDIL	8-bit CMOS MCU, 8K FLASH, 512 bytes RAM (IND TEMP) - 40MHz	PIC18F2320-I/SP	976-2060	13.28	9.70	8.92
18F4320	40	DIL	8-bit CMOS MCU, 8K FLASH, 512 bytes RAM (IND TEMP) - 40MHz	PIC18F4320-I/P	976-2140	14.59	10.65	9.79
18F4320	44	TQFP	8-bit CMOS MCU, 8K FLASH, 512 bytes RAM (IND TEMP) - 40MHz	PIC18F4320-I/PT	SMD 976-2159	16.62	12.14	11.16
18F4420	40	DIL	10-Bit MCU, 32k FLASH, 768 bytes SRAM - 40 MHz (IND TEMP)	PIC18F4420-I/P	932-1292	14.51	10.58	9.73
18F4420	44	TQFP	10-Bit MCU, 32k FLASH, 768 bytes SRAM - 40 MHz (IND TEMP)	PIC18F4420-I/PT	SMD 932-1306	14.63	10.67	9.81
18F4520	44	QFN	8-Bit MCU 32k Flash, 1536 bytes RAM, 36 I/O lines - 40MHZ (IND TEMP)	PIC18F4520-I/ML.	SMD 405-9077	16.55	12.08	11.10
18F4520	40	DIL	8-Bit MCU 32k Flash, 1536 bytes RAM, 36 I/O lines - 40MHZ (IND TEMP)	PIC18F4520-I/P.	405-9085	16.01	11.64	10.71
18F4520	44	TQFP	8-Bit MCU 32k Flash, 1536 bytes RAM, 36 I/O lines - 40MHZ (IND TEMP)	PIC18F4520-I/PT.	SMD 405-9093	16.09	11.74	10.79
18F4620	40	DIL	8-Bit MCU, 64K Flash, 3986 bytes RAM - 40MHZ (IND TEMP)	PIC18F4620-I/P	121-2704	18.89	13.80	12.67
18F4620	44	TQFP	8-Bit MCU, 64K Flash, 3986 bytes RAM - 40MHZ (IND TEMP)	PIC18F4620-I/PT	SMD 121-2705	19.04	13.87	12.77
18F6520	64	TQFP	8-bit CMOS EEPROM MCU, 32K FLASH, 2Kbytes RAM, with ADC - 40MHz (IND TEMP)	PIC18F6520-I/PT	SMD 976-2280	18.00	13.13	12.06
18F6620	64	TQFP	8-bit CMOS MCU, 64K FLASH with ADC - 40MHz (IND TEMP)	PIC18F6620-I/PT	SMD 976-2302	26.64	19.42	17.85
18LF6620	64	TQFP	8-bit CMOS MCU, 64K FLASH with ADC, Low Power - 40MHz (IND TEMP)	PIC18LF6620-I/PT	SMD 976-2493	27.91	20.37	18.72
18F6720	64	TQFP	8-bit CMOS MCU, 128K FLASH with ADC, Low Power - 40MHz (IND TEMP)	PIC18LF6720-I/PT	SMD 976-2507	31.06	22.66	20.83
18F6720	64	TQFP	8-bit CMOS MCU, 128K FLASH with ADC - 40MHz (IND TEMP)	PIC18F6720-I/PT	SMD 976-2337	29.60	21.59	19.85
18F8520	80	TQFP	8-bit CMOS EEPROM MCU, 32K FLASH, 2Kbytes RAM, with ADC - 40MHz (IND TEMP)	PIC18F8520-I/PT	SMD 976-2353	18.89	13.80	12.67
18F8620	80	TQFP	8-bit CMOS MCU, 64K FLASH with ADC - 40MHz (IND TEMP)	PIC18F8620-I/PT	SMD 976-2361	26.99	19.70	18.11
18F8620	80	TQFP	8-bit CMOS MCU, 64K FLASH with ADC, Low Power - 40MHz (IND TEMP)	PIC18LF8620-I/PT	SMD 120-0022	29.10	24.09	19.46
18F8720	80	TQFP	8-bit CMOS MCU, 128K FLASH with ADC - 40MHz (IND TEMP)	PIC18F8720-I/PT	SMD 976-2388	30.06	21.93	20.17
18LF8720	80	TQFP	8-bit CMOS MCU, 128K FLASH with ADC, Low Power - 40MHz (IND TEMP)	PIC18LF8720-I/PT	SMD 976-2515	31.56	23.04	21.18

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

PIC®PIC18F2525/4525 - FLASH Program Memory



The PIC18F2525/4525 family introduces design enhancements that make these microcontrollers a logical choice for many high-performance, power sensitive applications. All of the devices in the PIC18F2525/4525 family offer ten different oscillator options, allowing users a wide range of choices in developing application hardware.

Features:

- 1024 bytes of EEPROM data memory
- PWM 10-Bit
- Self Programming
- MPLAB® ICD 2 programming support or debugging support via two pins
- C compiler optimized architecture
- Flexible Oscillator Structure
- 40 MHz Max. Speed
- nanoWatt Technology
- Enhanced Addressable USART module

347057

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F2525	28	SOIC	8-Bit MCU, 48K Flash, 3968 bytes RAM - 40MHZ (IND TEMP)	PIC18F2525-I/SO	SMD 121-2694	15.43	11.26	10.34
18F2525	28	SDIL	8-Bit MCU, 48K Flash, 3968 bytes RAM - 40MHZ (IND TEMP)	PIC18F2525-I/SP	121-2695	16.01	11.64	10.71
18F4525	40	DIL	8-Bit MCU, 48K Flash, 3968 bytes RAM - 40MHZ (IND TEMP)	PIC18F4525-I/P	121-2717	17.43	12.73	11.69
18F4525	44	TQFP	8-Bit MCU, 48K Flash, 3968 bytes RAM - 40MHZ (IND TEMP)	PIC18F4525-I/PT.	SMD 771-1255	17.54	12.81	11.79
18F4525	44	TQFP	8-Bit MCU, 48K Flash, 3968 bytes RAM - 40MHZ (IND TEMP)	PIC18F4525-I/PT	SMD 121-2718	17.54	12.81	11.79

PIC®18FXX31 - FLASH Program Memory



The PIC18F2331/2431/4331/4431family is a 10 MIPS (100 nanosecond instruction execution) easy-to-program (only 77 single word instructions) CMOS FLASH-based 8-bit microcontroller based on Microchip's powerful PIC® architecture.

This family offers the advantages of all PIC18 microcontrollers - namely, high computational performance with the addition of high endurance enhanced Flash program memory and a highspeed 10-bit A/D converter. The family of devices is upwards compatible with the PIC16C5X, PIC12CXXX, PIC16CXX and PIC17CXX devices and thus provide a seamless migration path of software code to higher levels of hardware integration.

Features:

- 14-bit resolution Power Control PWM Module
- 40 MHz Max. Speed
- Internal Oscillator and Extended Watch Dog Timer (WDT)
- Self-Programming and ICD
- 2-ch Quadrature Encoder
- Memory Endurance
- nanoWatt Technology
- Software selectable BOR

346991

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F2331	28	SDIL	8-Bit EEPROM MCU, 8K Enhanced Flash, 768 Bytes RAM - 40MHZ (IND TEMP)	PIC18F2331-I/SP	121-2693	14.40	10.52	9.68
18F2431	28	SOIC	8-Bit EEPROM MCU, 16K Enhanced Flash, 768 Bytes RAM - 40MHZ (IND TEMP)	PIC18F2431-I/SO.	SMD 405-8844	17.85	10.82	9.95
2431	28	SOIC	Flash Microcontrollers with nanoWatt Technology, High Performance PWM and A/D	PIC18F2431-I/SO	SMD 113-7334	14.82	10.82	9.95
18F2431	28	SDIL	8-Bit EEPROM MCU, 16K Enhanced Flash, 768 Bytes RAM - 40MHZ (IND TEMP)	PIC18F2431-I/SP	108-4322	14.90	10.88	10.01
18F4331	40	DIL	8-Bit CMOS MCU, Enhanced 8K Flash, 768 bytes RAM - 40MHZ (IND TEMP)	PIC18F4331-I/P.	405-9018	18.96	11.47	10.55
4331	40	DIL	Flash Microcontroller with nanoWatt Technolog, PWM and A/D.	PIC18F4331-I/P	113-7337	15.74	11.47	10.55
18F4331	44	TQFP	8-Bit CMOS MCU, Enhanced 8K Flash, 768 bytes RAM - 40MHZ (IND TEMP)	PIC18F4331-I/PT	SMD 976-2167	15.82	11.57	10.64
4431	40	DIL		PIC18F4431-E/P	119-6826	20.64	17.45	12.27
	44	TQFP		PIC18F4431-E/PT	SMD 108-4344	19.62	14.31	12.91
18F4431	40	DIL	8-Bit CMOS MCU, Enhanced 16K Flash, 768 bytes RAM - 40MHZ (IND TEMP)	PIC18F4431-I/P	976-2191	16.24	11.87	10.92
18F4431	44	TQFP	8-Bit CMOS MCU, Enhanced 16K Flash, 768 bytes RAM - 40MHZ (IND TEMP)	PIC18F4431-I/PT..	SMD 578-0160	19.70	11.93	10.97
4431	44	TQFP	Flash Microcontroller with nanoWatt Technolog, PWM and A/D.	PIC18F4431-I/PT	SMD 113-7346	16.35	11.93	10.97

PIC®18Fx550/4455 FLASH MCU

MICROCHIP

NEW

The PIC18F2550/4455/4550 range offers low-cost, high computational performance using nanoWatt Technology. The devices include high endurance, Enhanced Flash program memory and are a logical choice for high-performance, power sensitive applications. A fully featured USB communications module supports both low-speed and full speed communication for all supported data transfer types. Each device in the family has twelve different oscillator options, including four crystal modes, four external clock modes, an internal oscillator, and a phase lock loop (PLL) allowing the user many options in developing application hardware.

Features Include:

- Alternative Run Modes
- Multiple Idle Modes
- On-the-fly Mode Switching
- Low Power Consuption in Key Modules
- Fail-Safe Clock Monitor
- Two-Speed Start Up

Device	Programme Memory		SRAM	EEPROM	Timers	Timers	No. of	No. of	ADC
	Bytes	Instructions	Bytes	Bytes	16-bit	8-bit	I/O lines	ADC Inputs	Bits
dsPIC18F2550	32k	16384	2048	256	3	1	24	10	10
dsPIC18F4455	24k	12288	2048	256	3	1	35	10	10
dsPIC18F4550	32k	16384	2048	256	3	1	35	13	10

406145

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F2550	28	SDIL	8-Bit MCU, SPI, I²C, 2 x CCP, EUSART, 24 I/O Ports, 48MHz (IND TEMP)	PIC18F2550-I/SP	932-1250	15.47	11.28	10.18
18F2550	28	SOIC	8-Bit MCU, SPI, I²C, 2 x CCP, EUSART, 24 I/O Ports, 48MHz (IND TEMP)	PIC18F2550-I/SO	SMD 932-1268	15.39	11.22	10.12
18F4455	40	DIL	8-Bit MCU, SPI, I²C, CCP, ECCP, SPP, EUSART, 35 I/O Ports, 48MHz (IND TEMP)	PIC18F4455-I/P	932-1314	16.01	11.66	10.51
18F4455	44	TQFP	8-Bit MCU, SPI, I²C, CCP, ECCP, SPP, EUSART, 35 I/O Ports, 48MHz (IND TEMP)	PIC18F4455-I/PT	SMD 932-1322	16.09	11.74	10.80
18F4550	40	DIL	8-Bit MCU, SPI, I²C, CCP, ECCP, SPP, EUSART, 35 I/O Ports, 48MHz (IND TEMP)	PIC18F4550-I/P	932-1357	17.54	12.81	11.79
18F4550	44	TQFP	8-Bit MCU, SPI, I²C, CCP, ECCP, SPP, EUSART, 35 I/O Ports, 48MHz (IND TEMP)	PIC18F4550-I/PT	SMD 932-1365	17.70	12.90	11.86

● Compliant ● Non-compliant ++ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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PIC®18FXX8 - MCU + CAN

A family of OTP/FLASH microcontrollers merging the power of the PIC18CXXXX architecture with the robust Controller Area Network (CAN) Rev. 2.0B serial communication protocol. A wide spectrum of pinouts are offered including 28-40-64 & 84 lead devices. This family also provides the user with an industrial leading peripheral set, which includes 10-bit ADC with up to16 Analog input channels, 3 16-bit Timers and 1 8-bit Timer, Enhanced CCP with up to 4 10-bit PWM outputs, serial communication support for I^2C, SPI, RS232, RS485 and CAN, 2 analog comparators and a 8x8 hardware multipler.
An ideal choice for many CAN applications.

240800

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18F248	28	SDIL	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F248-I/SP.	411-3676	18.82	11.41	10.49
248	28	SDIL	High-Performance, Enhanced Flash Microcontrollers with CAN Module.	PIC18F248-I/SP	113-7340	15.62	11.41	10.49
18F248	28	SOIC	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F248-I/SO	SMD 976-2094	15.62	11.41	10.49
18F258	28	SDIL	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F258-I/SP	976-2132	17.04	12.42	11.42
18F258	28	SOIC	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F258-I/SO	SMD 976-2124	17.04	12.42	11.42
18LF258	28	SDIL	8-bit CMOS MCU, 32K FLASH, 1536 bytes RAM, wide voltage, with CAN- 40MHz (IND TEMP)	PIC18LF258-I/SP	976-2434	17.89	13.05	12.01
18F448	44	PLCC	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F448-I/L.	SMD 411-3767	17.54	13.21	12.38
18F448	44	PLCC	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F448-I/L	SMD 121-2924	17.54	13.21	12.38
18F448	40	DIL	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F448-I/P	976-2205	16.01	11.68	10.75
18F448	44	TQFP	8-bit CMOS MCU, 16k FLASH, 768 bytes RAM - 40MHz (IND TEMP)	PIC18F448-I/PT	SMD 976-2213	18.04	13.19	12.12
18F458	40	DIL	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F458-I/P	976-2264	17.28	12.60	11.58
18F458	44	PLCC	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F458-I/L	SMD 976-2256	18.81	14.14	13.27
18F458	44	TQFP	8-bit CMOS MCU, 32k FLASH, 1536 bytes RAM - 40MHz (IND TEMP)	PIC18F458-I/PT	SMD 976-2272	19.31	14.10	12.97
18LF458	40	DIL	8-bit CMOS MCU, 32K FLASH, 1536 bytes RAM, wide voltage, with CAN- 40MHz (IND TEMP)	PIC18LF458-I/P	976-2485	18.12	13.24	12.17
18LF458	44	PLCC	8-bit CMOS MCU, 32K FLASH, 1536 bytes RAM, wide voltage, with CAN- 40MHz (IND TEMP)	PIC18LF458-I/L	SMD 976-2477	19.77	14.86	13.95
18LF458	44	TQFP	8-bit CMOS MCU, 32K FLASH, 1536 bytes RAM, wide voltage, with CAN- 40MHz (IND TEMP)	PIC18LF458-I/PT	SMD 108-4332	20.31	14.83	13.64
18C658	68	PLCC	8-bit CMOS EPROM MCU, 16K OTP PROM, 1536 bytes RAM (IND TEMP)	PIC18C658-I/L..	SMD 343-5064	29.28	17.74	16.32
658	68	PLCC	High-Performance Microcontrollers with CAN Module	PIC18C658-I/L	SMD 113-7324	24.30	17.74	16.32

PIC®18Cxx2

The **PIC18Cxx2** architecture, pack the power of an enhanced 16-bit core. Upward compatible from the PIC16CXXX. Single chip solution that complements digital logic. System-On-A-Chip (SOC) enhanced performance. Partioning capability in embedded systems applications. More programme memory in the same footprint allows new software features demanded by ever changing markets.

240801

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
18C252	28	SDIL	8-bit CMOS EPROM MCU, 32K OTP PROM, 1536 bytes RAM (IND TEMP)	PIC18C252-I/SP	976-1942	14.63	11.00	10.31
18LC252	28	SOIC	8-bit CMOS EPROM MCU, 8K OTP PROM, 1536 bytes RAM (IND TEMP, Low Power)	PIC18LC252-I/SO	SMD 976-2396	15.39	11.57	10.84
18C452	44	PLCC	8-bit CMOS EPROM MCU, 32K OTP PROM, 1536 bytes RAM (IND TEMP)	PIC18C452-I/L	SMD 976-1969	18.00	13.13	12.06
18C452	40	DIL	8-bit CMOS EPROM MCU, 32K OTP PROM, 1536 bytes RAM (IND TEMP)	PIC18C452-I/P	108-4301	16.16	11.81	10.86
18C452	40	DIL	8-bit CMOS EPROM MCU, 32K EPROM, 1536 bytes RAM	PIC18C452/JW	332-3456	41.35	29.04	27.27
18LC452	44	PLCC	8-bit CMOS EPROM MCU, 32K OTP PROM, 1536 bytes RAM (IND TEMP, Low Power)	PIC18LC452-I/L	SMD 976-2400	18.77	14.12	13.23

dsPIC30F2010 / 6010 Digital Signal Controllers



This family of **dsPIC30F** controllers is designed to support a variety of motor control applications, such as brushless DC motors, single and 3-phase induction motors and switch reluctance motors.
These products are also well suited for uninterruptible power supply (UPS), inverters, switched mode power supplies, power factor correction and also for controlling the power management module in servers, telecom equipment and other industrial equipment.

The dsPIC30F offers:

- 10-bit 500ksps A/D converter
- 2 or 4 simultaneous samples
- 6 or 8 PWM output
- Complementary or independant PWM
- Centre or edge-aligned PWM
- Synchronized A/D sampling with PWM cycle
- 28 and 80 Pin variants
- 5V native operation for noisy invironment
- Two programmable dead times

Device	Pins	Programme Memory		SRAM	EEPROM	Timer	Input	O/p: Comp/Std	Motor	A/D 10-bit	UART	SPI™	I²C™	CAN
		Bytes	Instructions	Bytes	Bytes	16-bit	Capture	PWM	Control	500 Ksps		Quantity	Quantity	
dsPIC30F2010	28	12K	44K	512	1024	3	4	2	6 ch	6 ch	1	1	1	-
dsPIC30F6010	80	144K	48K	8192	4096	5	8	8	8 ch	16 ch	2	2	1	2

343059

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
30F2010	28	DIL	16-bit MCU/DSP with ICSP, 20 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2010-20I/SPG	731-4949	13.21	8.65	7.99
30F2010	28	DIL	16-bit MCU/DSP with ICSP, 20 I/O ports, 30MIPS (IND TEMP)	DSPIC30F2010-30I/SPG	731-4957	13.74	8.96	8.29
30F2010	28	SOIC	16-bit MCU/DSP with ICSP, 20 I/O ports, 30MIPS (IND TEMP)	DSPIC30F2010-30I/SOG	SMD 731-4973	13.21	8.65	7.99
30F6010	80	TQFP	16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6010-20I/PF	SMD 108-4350	43.11	31.25	28.90
30F6010	80	TQFP	16-bit MCU/DSP with ICSP, 68 I/O lines, 30MHZ (IND TEMP)	DSPIC30F6010-30I/PF	SMD 108-4351	49.98	32.81	30.34

PIC30F2011/2012 Digital Signal Controllers

MICROCHIP

NEW

The **dsPIC30F2011/2012** are 16-Bit Single-Chip High performance Digital Signal Controllers (DSC)

Device	Programme Memory		SRAM	Timer	Input	Output Comp/Std	A/D 12-bit	UART	SPI™	I²C™
	Bytes	Instructions	Bytes	16-bit	Cap	PWM	100 Ksps		Quantity	Quantity
dsPIC30F2011	12K	4K	1024	3	2	2	8 ch	1	1	1
dsPIC30F2012	12K	4K	1024	3	2	2	10 ch	1	1	1

406035

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
2011	18	QFN	16-bit MCU/DSP with ICSP, I²C, SPI, PWM, UART, 12 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2011-20I/ML	SMD 938-5851	12.17	8.29	7.66
2011	18	DIL	16-bit MCU/DSP with ICSP, I²C, SPI, PWM, UART, 12 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2011-20I/P	938-5860	11.59	7.91	7.31
2011	18	SOIC	16-bit MCU/DSP with ICSP, I²C, SPI, PWM, UART, 12 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2011-20I/SO	SMD 938-5878	11.59	7.77	7.20
2012	28	QFN	16-bit MCU/DSP with ICSP, I²C, SPI, PWM, UART, 20 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2012-20I/ML	SMD 938-5886	13.36	8.56	7.90
2012	28	SDIL	16-bit MCU/DSP with ICSP, I²C, SPI, PWM, UART, 20 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2012-20I/SP	938-5894	12.78	8.35	7.73
2012	28	SOIC	16-bit MCU/DSP with ICSP, I²C, SPI, PWM, UART, 20 I/O ports, 20MIPS (IND TEMP)	DSPIC30F2012-20I/SO	SMD 938-5908	12.67	8.04	7.44

dsPIC30F6011/6012/6013/6014 Digital Signal Controllers

The **dsPIC30F** devices are single-chip digital signal controllers (DSC) that integrate the control attributes of a microcontroller with capabilities of a DSP.

The dsPIC30F offers a powerful 16-bit MCU with:

- Flexible interrupt handling
- Digital & analogue peripheral functions
- Power management
- Clock options
- Power-on reset
- Brown-out protection
- Watchdog timer
- Code security
- Full-speed real-time emulation & in-circuit debug solutions

Device	Pins	Programme Memory		SRAM	EEPROM	Timer	Input	O/P: Comp/Std	Codec	A/D 12-bit	UART	SPI™	I²C™	CAN
		Bytes	Instructions	Bytes	Bytes	16-bit	Cap	PWM	Interface	100 Ksps		Quantity	Quantity	
dsPIC30F6011	64	132K	44K	6144	2048	5	8	8	-	16 ch	2	2	1	2
dsPIC30F6012	64	144K	48K	8192	4096	5	8	8	AC'97, I²S	16 ch	2	2	1	2
dsPIC30F6013	80	132K	44K	6144	2048	5	8	8	-	16 ch	2	2	1	2
dsPIC30F6014	80	144K	48K	8192	4096	5	8	8	AC'97, I²S	16 ch	2	2	1	2

343048

	Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
30F6010	80	TQFP	16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6010A-20I/PTG	SMD 989-2362	46.11	26.03	24.59
30F6011	64	TQFP	16-bit MCU/DSP with ICSP, 52 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6011-20I/PF	SMD 108-4348	38.50	29.94	27.68
30F6011	64	TQFP	16-bit MCU/DSP with ICSP, 54 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6011A-20I/PTG	SMD 989-2370	38.44	21.69	20.50
30F6011	64	TQFP	16-bit MCU/DSP with ICSP, 52 I/O lines, 30MHZ (IND TEMP)	DSPIC30F6011-30I/PF	SMD 121-2712	46.18	31.44	29.07
30F6012	64	TQFP	16-bit MCU/DSP with ICSP, 52 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6012-20I/PF	SMD 108-4349	40.27	30.26	27.97
30F6012	64	TQFP	16-bit MCU/DSP with ICSP, 52 I/O lines, 30MHZ (IND TEMP)	DSPIC30F6012-30I/PF.	SMD 731-4868	56.20	31.77	29.36
30	64	TQFP	High-Performance Digital Signal Controller	DSPIC30F6012-30I/PF	SMD 113-7348	46.64	31.77	29.36
30F6012	64	TQFP	16-bit MCU/DSP with ICSP, 54 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6012A-20I/PTG	SMD 989-2389	42.69	24.09	22.77
30F6013	80	TQFP	16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6013A-20I/PTG	SMD 989-2397	40.70	22.96	21.70
30F6014	80	TQFP	16-bit MCU/DSP with ICSP, 60 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6014-20I/PF.	SMD 731-4892	50.88	31.25	28.90
20	80	TQFP	High-Performance Digital Signal Controller	DSPIC30F6014-20I/PF	SMD 113-7349	42.23	31.25	28.90
30F6014	80	TQFP	16-bit MCU/DSP with ICSP, 60 I/O lines, 30MHZ (IND TEMP)	DSPIC30F6014-30I/PF	SMD 975-8313	48.91	32.81	30.34
30F6014	80	TQFP	16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6014A-20I/PTG	SMD 989-2400	44.96	25.38	23.98

422816

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
30F6010	80	TQFP	16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6010A-20I/PTG	NEW SMD 989-2362	46.11	26.03	24.59
30F6011	64	TQFP	16-bit MCU/DSP with ICSP, 54 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6011A-20I/PTG	NEW SMD 989-2370	38.44	21.69	20.50
30F6012	64	TQFP	16-bit MCU/DSP with ICSP, 54 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6012A-20I/PTG	NEW SMD 989-2389	42.69	24.09	22.77
30F6013	80	TQFP	16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6013A-20I/PTG	NEW SMD 989-2397	40.70	22.96	21.70
30F6014	80	TQFP	16-bit MCU/DSP with ICSP, 68 I/O lines, 20MHZ (IND TEMP)	DSPIC30F6014A-20I/PTG	NEW SMD 989-2400	44.96	25.38	23.98

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This section features Microchip's Mature PICmicro® Microcontroller Product Line.

These Mature Products are NOT recommended for new designs. (Microchip do not have any current plans to make these parts obsolete)

For new designs please consult the previous section of this catalogue, where the latest, more cost effective PICmicro® are featured.

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We can support existing families from stock and continue to bring the newest generations of PICmicros to market.

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241307/410955

	Pins	Pkg.	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
PIC12C508/9								
12C508	8	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C508-04I/P	119-6841	3.87	3.22	2.99
12C508	8	SOIC	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz (IND TEMP)	PIC12C508-04I/SM	SMD 119-6846	4.07	3.39	3.19
12C508	8	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 25 bytes RAM, 6 I/O lines - 4MHz	PIC12C508-04/P	975-8763	3.46	3.16	2.66
12C509	8	DIL	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509-04/P	975-8810	3.80	3.51	2.96
12C509	8	SOIC	8-bit CMOS EPROM MCU, 1Kb OTP PROM, 41 bytes RAM, 6 I/O lines - 4MHz	PIC12C509-04/SM	SMD 119-6842	4.07	3.39	3.19
PIC16C54								
16C71	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 20MHz	PIC16C71-20/P	119-6825	11.26	9.31	7.52
16C54	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 20MHz	PIC16C54-HS/P	975-9158	6.64	5.47	4.90
16C54	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines (Low Power)	PIC16C54-LP/P	121-2666	6.49	5.35	4.81
16C54	18	SOIC	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines (Low Power)	PIC16C54-LP/SO	SMD 120-0436	8.05	5.51	4.94
16C54	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz (RC OSC.)	PIC16C54-RC/P	975-9166	6.18	5.13	4.59
16C54	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz (IND TEMP)	PIC16C54-XTI/P	975-9190	6.83	5.64	5.07
16C54	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C54-XT/P	975-9174	6.18	5.13	4.59
16C54	18	SOIC	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C54-XT/SO	SMD 975-9182	6.33	5.22	4.68
16C54A	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz (IND TEMP)	PIC16C54A-04I/P	119-6847	8.23	5.64	5.07
16C54A	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C54A-04/P	975-9115	6.18	5.13	4.59
16C54A	18	SOIC	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C54A-04/SO	SMD 108-4342	6.33	5.22	4.68
16C54A	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 10MHz (IND TEMP)	PIC16C54A-10I/P	120-0019	8.83	6.02	5.40
16C54A	18	DIL	8-bit CMOS MCU, 512b OTP PROM, 25b RAM, 12 I/O lines - 20MHz	PIC16C54A-20/P	975-9123	7.10	5.85	5.25
16C56	18	DIL	8-bit CMOS MCU, 1Kb OTP PROM, 25b RAM, 12 I/O lines - 4MHz (RC OSC.)	PIC16C56-RC/P	119-6781	8.17	6.77	6.02
PIC16C55								
16C55	28	DIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 20MHz	PIC16C55-HS/P	975-9255	9.33	7.68	6.90
16C55	28	DIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 4MHz (RC OSC.)	PIC16C55-RC/P	119-6780	7.88	6.51	5.79
16C55	28	DIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 4MHz (IND TEMP)	PIC16C55-XTI/P	975-9298	8.98	7.39	6.64

● Compliant
◀ Non-compliant
++ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Pins	Pkg.	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
PIC16C55								
16C55	28	DIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 4MHz	PIC16C55-XT/P	975-9271	8.14	6.71	6.03
16C55	28	SOIC	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 4MHz	PIC16C55-XT/SO	SMD 975-9280	8.45	6.99	6.27
16C55	28	SDIL	8-bit CMOS MCU, 512b OTP PROM, 24b RAM, 20 I/O lines - 4MHz	PIC16C55-XT/SP	108-4230	8.14	6.71	6.03
PIC16C56								
16C56	18	DIL	8-bit CMOS MCU, 1Kb OTP PROM, 25b RAM, 12 I/O lines - 20 MHz	PIC16C56-HS/P	975-9310	9.71	8.02	7.20
16C56	18	DIL	8-bit CMOS MCU, 1Kb OTP PROM, 25b RAM, 12 I/O lines - 4MHz (RC OSC.)	PIC16C56-RC/P	119-6781	8.17	6.77	6.02
16C56	18	DIL	8-bit CMOS MCU, 1Kb OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C56-XT/P	108-4307	8.48	7.01	6.31
16C56	18	SOIC	8-bit CMOS MCU, 1Kb OTP PROM, 25b RAM, 12 I/O lines - 4MHz	PIC16C56-XT/SO	SMD 595-147	8.71	7.20	6.46
PIC16C57								
16C57	28	DIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 20MHz	PIC16C57-HS/P	108-4345	11.86	9.79	8.79
16C57	28	DIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - 10MHz	PIC16C57-10/P	121-2668	11.06	9.13	8.20
16C57	28	DIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - (RC OSC.)	PIC16C57-RC/P	975-9360	9.67	7.98	7.18
16C57	28	SOIC	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines - (RC OSC.)	PIC16C57-RC/SO	SMD 975-9379	10.06	8.31	7.46
16C57	28	DIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines	PIC16C57-XT/P	975-9387	10.37	8.54	7.68
16C57	28	SOIC	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines	PIC16C57-XT/SO	SMD 975-9395	10.79	8.88	7.97
16C57	28	SDIL	8-bit CMOS MCU, 2Kb OTP PROM, 72b RAM, 20 I/O lines	PIC16C57-XT/SP	975-9409	10.37	8.54	7.68
PIC16C55X								
16C554	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 80 bytes RAM - 4MHz (IND TEMP)	PIC16C554-04I/P	108-4231	6.87	5.68	5.09
16C554	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 80 bytes RAM - 20MHz	PIC16C554-20/P	975-9212	6.68	5.51	4.94
16C558	18	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz	PIC16C558-20/P	975-9220	8.75	7.22	6.49
16C558	18	SOIC	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz	PIC16C558-20/SO	SMD 119-6771	9.21	7.62	6.77
PIC16C62								
16C62A	28	SDIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 4MHz (IND TEMP)	PIC16C62A-04I/SP	975-9557	13.09	9.55	8.77
PIC16C63								
16C63	28	DIL	8-bit CMOS EPROM MCU, 4K EPROM, 192 bytes RAM	PIC16C63/JW	631-504	36.70	25.71	24.14
16C63	28	SOIC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz (IND TEMP)	PIC16C63-04I/SO	SMD 119-6849	16.60	14.03	9.86
16C63	28	SDIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C63-20I/SP	975-9611	16.81	12.29	11.30
16C63	28	SOIC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C63-04/SO	SMD 975-9581	14.24	10.40	9.57
16C63	28	SDIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C63-04/SP	975-9590	14.24	10.40	9.57
16C63	28	SDIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz	PIC16C63-20/SP	975-9603	15.24	11.13	10.23
16C63	28	SDIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 10MHz	PIC16C63-10/SP	119-6827	15.66	12.95	10.48
PIC16C64								
17C44	40	DIL	8-bit CMOS RISC MCU (High Performance), 8K OTP PROM - 25MHz	PIC17C44-25/P	119-6845	26.76	22.13	17.87
16C64A	40	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 4MHz (IND TEMP)	PIC16C64A-04I/P	119-6769	15.43	13.05	9.53
16C64A	44	PLCC	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 4MHz	PIC16C64A-04/L	SMD 975-9646	14.40	11.87	10.66
16C64A	40	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 4MHz	PIC16C64A-04/P	975-9654	13.28	9.70	8.92
16C64A	40	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 10MHz	PIC16C64A-10/P	108-4225	14.24	10.40	9.57
16C64A	40	DIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz	PIC16C64A-20/P	108-4226	14.24	10.40	9.57
PIC16C65								
16C65A	40	DIL	8-bit CMOS EPROM MCU, 4K EPROM, 192 bytes RAM	PIC16C65A/JW	962-030	38.16	26.72	25.16
16C65A	44	PLCC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C65A-04/L	SMD 975-9662	20.62	18.96	16.02
16C65A	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C65A-04/P	975-9670	17.77	12.98	11.91
PIC16C62X								
16C620	18	DIL	8-bit CMOS EPROM MCU, 512b OTP PROM, 80 bytes RAM - 4MHz	PIC16C620-04/P	119-6828	7.55	6.25	5.79
16C621	18	DIL	8-bit CMOS EPROM MCU, 1K OTP PROM, 80 bytes RAM - 4MHz	PIC16C621-04/P	119-6829	9.85	7.55	6.38
PIC16CE62X								
16CE624	18	DIL	8-bit CMOS MCU, 1K OTP PROM/96 bytes RAM, EEPROM - 4MHz	PIC16CE624-04/P	976-0253	6.03	4.40	4.05
16CE625	18	DIL	8-bit CMOS MCU, 2K OTP PROM/128 EEPROM - 4MHz	PIC16CE625-04/P	976-0261	6.87	5.01	4.61
PIC16C71								
16C71	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K EPROM - 20MHz	PIC16C71/JW	270-386	24.88	17.72	15.04
16C71	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 4MHz (IND TEMP)	PIC16C71-04I/P	975-9786	11.29	8.23	7.57
16C71	18	SOIC	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 4MHz (IND TEMP)	PIC16C71-04I/SO	SMD 120-0027	11.82	9.77	7.88
16C71	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 4MHz	PIC16C71-04/P	975-9778	10.21	7.47	6.86
16C71	18	SOIC	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 4MHz	PIC16C71-04/SO	SMD 108-4243	10.40	7.62	6.99
16C71	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 20MHz (IND TEMP)	PIC16C71-20I/P	108-4346	12.02	8.78	8.07
16C71	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 20MHz	PIC16C71-20/P..	571-295	10.94	7.98	7.34
16C71	18	SOIC	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 20MHz	PIC16C71-20/SO	SMD 975-9840	11.17	8.14	7.47
16LC71	18	DIL	8-bit CMOS EPROM MCU with ADC, 1K OTP PROM - 4MHz (Low Power)	PIC16LC71-04/P	976-1551	10.71	7.83	7.20
PIC16C72								
16C72	28	SDIL	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 4MHz	PIC16C72-04/SP	119-6858	13.41	11.33	8.23
16C72A	28	SOIC	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 4MHz (IND TEMP)	PIC16C72A-04I/SO	SMD 975-9891	9.67	7.07	6.49
16C72A	28	SDIL	8-bit CMOS MCU, 2K OTP PROM, 128 bytes RAM, 22 I/O lines - 4MHz (IND TEMP)	PIC16C72A-04I/SP	975-9905	9.67	7.07	6.49
16C72A	28	SOIC	8-bit CMOS EPROM MCU, 2K OTP PROM, 128 bytes RAM - 20MHz	PIC16C72A-20/SO	SMD 108-4232	9.37	6.82	6.27
16C72A	28	SDIL	8-bit CMOS MCU, 2K OTP PROM, 128 bytes RAM, 22 I/O lines - 20MHz	PIC16C72A-20/SP	975-9913	9.37	6.82	6.27
PIC16C73								
16C73A	28	DIL	8-bit CMOS EPROM MCU with ADC, 4K EPROM, 192 bytes RAM	PIC16C73A/JW	630-883	37.78	26.45	24.92
16C73A	28	SDIL	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 4MHz (IND TEMP)	PIC16C73A-04I/SP	119-6850	17.61	14.58	11.78
16C73A	28	SOIC	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C73A-04/SO	SMD 975-9930	15.59	11.38	10.45
16C73A	28	SDIL	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C73A-04/SP	975-9948	15.59	11.38	10.45
16C73A	28	SDIL	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 10MHz	PIC16C73A-10/SP	975-9956	16.70	12.18	11.19
16C73A	28	SOIC	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 20MHz	PIC16C73A-20/SO	SMD 975-9964	16.70	12.18	11.19
16C73A	28	SDIL	8-bit CMOS EPROM MCU with ADC, 4K OTP PROM, 192 bytes RAM - 20MHz	PIC16C73A-20/SP	975-9972	16.70	12.18	11.19
16C73B	28	SOIC	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 22 I/O lines - 4MHz (IND TEMP)	PIC16C73B-04I/SO	SMD 108-4279	12.44	9.09	8.34
16C73B	28	SDIL	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 22 I/O lines - 4MHz (IND TEMP)	PIC16C73B-04I/SP	975-9980	12.44	9.09	8.34
16C73B	28	SOIC	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 22 I/O lines - 20MHz	PIC16C73B-20/SO	SMD 975-9999	12.13	8.84	8.12
16C73B	28	SDIL	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 22 I/O lines - 20MHz	PIC16C73B-20/SP	108-4278	12.13	8.84	8.12
PIC16C74								
16C74A	40	DIL	8-bit CMOS EPROM MCU, 4K EPROM, 192 bytes RAM	PIC16C74A/JW	687-959	39.73	27.80	26.18
16C74A	44	PLCC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz (IND TEMP)	PIC16C74A-04I/L	SMD 119-6773	21.48	17.58	14.32
16C74A	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz (IND TEMP)	PIC16C74A-04I/P	976-0040	20.73	15.13	13.91
16C74A	44	PLCC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C74A-04/L	SMD 119-6838	20.57	17.02	15.17
16C74A	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 4MHz	PIC16C74A-04/P	108-4347	18.85	13.76	12.65
16C74A	44	PLCC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 10MHz	PIC16C74A-10/L	SMD 121-2477	21.31	17.61	15.80
16C74A	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 10MHz	PIC16C74A-10/P	976-0059	20.23	14.75	13.56
16C74A	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz (IND TEMP)	PIC16C74A-20I/P	119-6839	23.27	19.04	15.62
16C74A	44	PLCC	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz	PIC16C74A-20/L	SMD 976-0067	21.31	17.61	15.80
16C74A	40	DIL	8-bit CMOS EPROM MCU, 4K OTP PROM, 192 bytes RAM - 20MHz	PIC16C74A-20/P	976-0075	20.23	14.75	13.56
16C74B	44	PLCC	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 33 I/O lines - 4MHz (IND TEMP)	PIC16C74B-04I/L	SMD 976-0105	16.78	15.42	13.02
16C74B	40	DIL	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 33 I/O lines - 4MHz (IND TEMP)	PIC16C74B-04I/P	108-4281	15.13	11.03	10.16
16C74B	44	PLCC	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 33 I/O lines - 20MHz	PIC16C74B-20/L	SMD 976-0113	16.35	15.02	12.69
16C74B	40	DIL	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 33 I/O lines - 20MHz	PIC16C74B-20/P	976-0121	14.74	10.73	9.88
16LC74B	40	DIL	8-bit CMOS MCU, 4K OTP PROM, 192 bytes RAM, 33 I/O lines - 4MHz	PIC16LC74B-04/P	108-4280	14.43	10.56	9.69
PIC16C76								
16C76	28	SOIC	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz (IND TEMP)	PIC16C76-04I/SO	SMD 120-0029	16.70	14.13	9.93
16C76	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 20MHz (IND TEMP)	PIC16C76-20I/SP	119-6859	17.77	15.04	10.97
16C76	28	SDIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 20MHz	PIC16C76-20/SP	119-6836	15.79	13.05	10.55
PIC16C77								
16C77	40	DIL	8-bit CMOS EPROM MCU, 8K EPROM, 368 bytes RAM	PIC16C77/JW	687-212	39.00	27.12	25.62
16C77	40	DIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 4MHz (IND TEMP)	PIC16C77-04I/P	119-6767	17.45	14.45	11.62
16C77	40	DIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 20MHz (IND TEMP)	PIC16C77-20I/P	976-0199	18.08	13.21	12.16
16C77	44	PLCC	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 20MHz	PIC16C77-20/L	SMD 119-6837	20.86	14.29	12.82
16C77	40	DIL	8-bit CMOS EPROM MCU, 8K OTP PROM, 368 bytes RAM - 20MHz	PIC16C77-20/P	976-0180	16.47	12.02	11.05
PIC16C71X								

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Pins	Pkg.	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
PIC16C71X								
16C710	18	DIL	8-bit CMOS EPROM MCU with ADC, 512b OTP PROM, 36 bytes RAM - 4MHz (IND TEMP)	PIC16C710-04I/P	**119-6855**●	6.51	5.50	3.87
16C710	18	DIL	8-bit CMOS EPROM MCU with ADC, 512b OTP PROM, 36 bytes RAM - 4MHz	PIC16C710-04/P	**108-4357**●	6.45	4.17	3.76
16C710	18	SOIC	8-bit CMOS EPROM MCU with ADC, 512b OTP PROM, 36 bytes RAM - 4MHz	PIC16C710-04/SO	SMD **119-6854**●	6.77	5.60	3.94
16C710	18	DIL	8-bit CMOS EPROM MCU with ADC, 512b OTP PROM, 36 bytes RAM - 20MHz (IND TEMP)	PIC16C710-20I/P	**119-6857**●	7.81	6.48	4.98
16C710	18	DIL	8-bit CMOS EPROM MCU with ADC, 512b OTP PROM, 36 bytes RAM - 20MHz	PIC16C710-20/P	**120-0438**●	6.35	5.37	3.78
PIC16F8X								
16F83	18	DIL	8-bit CMOS EEPROM MCU, 512b FLASH, 36 bytes RAM - 4MHz	PIC16F83-04/P	**108-4354**●	9.94	7.47	6.99
16F84	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz	PIC16F84-04/P	**976-0814**●	11.56	8.67	8.12
16F84	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz	PIC16F84-04/SO	SMD **976-0822**●	11.71	8.82	8.27
16F84	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes - 10MHz (IND TEMP)	PIC16F84-10I/P	**976-0857**●	13.59	10.23	9.60
16F84	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 10MHz	PIC16F84-10/P	**976-0830**●	12.36	9.30	8.71
16F84	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 10MHz	PIC16F84-10/SO	SMD **976-0849**●	12.59	9.45	8.86
16LF84	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (Low power, IND TEMP)	PIC16LF84-04I/P	**108-4228**●	13.28	9.99	9.36
16LF84	18	SOIC	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (Low power, IND TEMP)	PIC16LF84-04I/SO	SMD **976-1675**●	13.51	10.14	9.51
16LF84	18	DIL	8-bit CMOS EEPROM MCU, 1K FLASH, 68 bytes RAM - 4MHz (Low power)	PIC16LF84-04/P	**976-1667**●	12.05	9.07	8.51
PIC16F873								
16F873	28	SOIC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz (IND TEMP)	PIC16F873-04I/SO	SMD **108-4283**●	13.13	10.82	9.71
16F873	28	SDIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz (IND TEMP)	PIC16F873-04I/SP	**108-4282**●	13.13	9.87	9.25
16F873	28	SOIC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz	PIC16F873-04/SO	SMD **976-1020**●	11.94	8.71	8.01
16F873	28	SDIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz	PIC16F873-04/SP	**976-1039**●	11.94	8.71	8.01
16F873	28	SOIC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F873-20I/SO	SMD **976-1063**●	14.05	11.59	10.40
16F873	28	SDIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F873-20I/SP	**976-1071**●	14.05	10.56	9.90
16F873	28	SOIC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz	PIC16F873-20/SO	SMD **976-1047**●	12.78	10.56	9.47
16F873	28	SDIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz	PIC16F873-20/SP	**976-1055**●	12.78	9.60	9.01
PIC16F874								
16F874	44	PLCC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz (IND TEMP)	PIC16F874-04I/L	SMD **119-6798**●	19.33	14.75	12.47
16F874	40	DIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz (IND TEMP)	PIC16F874-04I/P	**119-6797**●	14.71	12.17	10.35
16F874	44	PLCC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz	PIC16F874-04/L	SMD **976-1110**●	14.59	13.42	11.32
16F874	40	DIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz	PIC16F874-04/P	**976-1128**●	13.01	9.79	9.19
16F874	44	PQFP	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz	PIC16F874-04/PQ	SMD **108-4251**●	16.55	12.44	11.67
16F874	44	TQFP	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 4MHz	PIC16F874-04/PT	SMD **976-1136**●	17.62	13.22	12.41
16F874	44	PLCC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F874-20I/L	SMD **976-1160**●	17.16	15.80	13.34
16F874	40	DIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F874-20I/P	**976-1179**●	15.36	11.53	10.80
16F874	44	PQFP	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F874-20I/PQ	SMD **976-1187**●	19.46	14.65	13.73
16F874	44	TQFP	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz (IND TEMP)	PIC16F874-20I/PT	SMD **119-6788**●	22.98	19.43	13.67
16F874	44	PLCC	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz	PIC16F874-20/L	SMD **976-1144**●	15.59	14.33	12.12
16F874	40	DIL	8-bit CMOS MCU, 4K FLASH, 192 bytes RAM - 20MHz	PIC16F874-20/P	**976-1152**●	13.94	10.50	9.84
PIC16F876								
16F876	28	SOIC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 4MHz (IND TEMP)	PIC16F876-04I/SO	SMD **976-1241**●	14.17	10.65	9.99
16F876	28	SDIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 4MHz (IND TEMP)	PIC16F876-04I/SP	**976-1250**●	14.17	10.65	9.99
16F876	28	SOIC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 4MHz	PIC16F876-04/SO	SMD **976-1225**●	12.86	9.68	9.07
16F876	28	SDIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 4MHz	PIC16F876-04/SP	**976-1233**●	12.86	9.68	9.07
16F876	28	SOIC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F876-20I/SO	SMD **976-1284**●	15.16	11.41	10.69
16F876	28	SDIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F876-20I/SP	**976-1292**●	15.16	11.41	10.69
16F876	28	SOIC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz	PIC16F876-20/SO	SMD **976-1268**●	13.82	10.37	9.71
16F876	28	SDIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz	PIC16F876-20/SP	**976-1276**●	13.82	10.37	9.71
PIC16F877								
16F877	44	PLCC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 4MHz	PIC16F877-04/L	SMD **976-1330**●	15.78	14.48	12.25
16F877	40	DIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 4MHz	PIC16F877-04/P	**976-1349**●	14.09	10.27	9.45
16F877	44	PQFP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 4MHz	PIC16F877-04/PQ	SMD **976-1357**●	17.85	13.03	11.97
16F877	44	TQFP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 4MHz	PIC16F877-04/PT	SMD **119-6791**●	19.53	16.18	13.05
16F877	44	PLCC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F877-20I/L	SMD **976-1390**●	18.50	17.04	14.39
16F877	40	DIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F877-20I/P	**976-1403**●	16.55	12.08	11.10
16F877	44	TQFP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F877-20I/PT	SMD **976-1420**●	22.30	16.29	14.99
16F877	44	PLCC	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz	PIC16F877-20/L	SMD **976-1365**●	16.81	15.49	13.08
16F877	40	DIL	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz	PIC16F877-20/P	**976-1373**●	15.05	10.98	10.10
16F877	44	PQFP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz (IND TEMP)	PIC16F877-20I/PQ	SMD **976-1411**●	21.04	15.36	14.12
16F877	44	TQFP	8-bit CMOS MCU, 8K FLASH, 368 bytes RAM - 20MHz	PIC16F877-20/PT	SMD **976-1381**●	20.31	14.83	13.64
PIC17C42								
17C42	44	PLCC	8-bit CMOS RISC MCU (High Performance), 2K OTP PROM - 16MHz (IND TEMP)	PIC17C42A-16I/L	SMD **108-4220**●	20.04	16.56	14.87
17C42	40	DIL	8-bit CMOS RISC MCU (High Performance), 2K OTP PROM - 33MHz	PIC17C42A-33/P	**119-6768**●	19.11	15.82	12.76
PIC17C43								
17C43	40	DIL	8-bit CMOS RISC MCU (High Performance), 4K OTP PROM - 25MHz	PIC17C43-25/P	**108-4356**●	21.00	15.32	14.08
17C43	44	PLCC	8-bit CMOS RISC MCU (High Performance), 4K OTP PROM - 33MHz	PIC17C43-33/L	SMD **976-1888**●	21.96	18.12	16.26
PIC17C44								
17C44	40	DIL	8-bit CMOS RISC MCU (High Performance), 8K OTP PROM - 16MHz	PIC17C44-16/P	**976-1896**●	24.30	17.74	16.32
17C44	40	DIL	8-bit CMOS RISC MCU (High Performance), 8K OTP PROM - 16MHz (IND TEMP)	PIC17C44-16I/P	**121-2661**●	26.72	19.51	17.95
17C44	40	DIL	8-bit CMOS RISC MCU (High Performance), 8K OTP PROM - 25MHz	PIC17C44-25/P	**119-6845**●	26.76	22.13	17.87
17C44	40	DIL	8-bit CMOS RISC MCU (High Performance), 8K OTP PROM - 33MHz	PIC17C44-33/P	**976-1900**●	26.03	19.00	17.46
PIC17C75X								
17C756	68	PLCC	8-bit CMOS EPROM MCU, (High Performance), 16K OTP PROM - 16MHz (IND TEMP)	PIC17C756A-16I/L	SMD **976-1926**●	26.45	21.82	19.59
17C756	68	PLCC	8-bit CMOS EPROM MCU, (High Performance), 16K OTP PROM - 33MHz	PIC17C756A-33/L	SMD **114-789**●	25.72	21.23	19.06
PIC17C766								
17C766	84	PLCC	8-bit CMOS EPROM MCU, (High Performance), 16K OTP PROM - 33MHz	PIC17C766-33/L	SMD **120-0017**●	31.77	26.27	23.44

ADuC Development Tools and Microconvertors

MicroConverter ADuC702X QuickStart™ Development System

ANALOG DEVICES

The QuickStart Kits for the ADuC7000 Series (ARM7®-core) Precision Analog Microcontrollers feature debug via UART and an Assembly and C-Source debugging environment. The kits allow the user to rapidly evaluate MicroConverter performance and functionality before beginning development.

Hardware Contents:
- ADuC7020/24 Evaluation Board
- Serial Download Cable
- International Power Supply

Note: This kit does not include a JTAG emulator

Software Features:
- Keil DKRAM Evaluation version, featuring IDE, C Compiler, Simulator and Debugger (Debugger requires a JTAG emulator)
- IAR Embedded workbench (Evaluation Version, featuring IDE, C Compiler, ARM7TDMI core Simulator & Debugger (debugger is 32K code-size limited for evaluation version) and ROM monitor to debug directly via UART
- PLA Tool
- Example Code, Function Libraries, Datasheets, Application Notes, etc.

415920

Mftrs. List No.	Description	Order Code	Price Each
EVAL-ADUC7020MK	ADUC7020 Quickstart Development System	**101-1589**	78.50
EVAL-ADUC7024QS-U3	ADUC7024 Quickstart Development System	**101-1590**	213.21

QuickStart™ PLUS Evaluation Kit for ADuC7026 Microcontroller

ANALOG DEVICES



The ADuC7026 (ARM7®-core) QuickStart PLUS Kit features non-intrusive JTAG emulation, and an assembly and C-source debugging environment. The evaluation board also features a prototype development area.

Hardware Contents:
- ADuC7026 Evaluation Board
- mIDAS-Link JTAG Emulator
- USB Cable and Serial Download Cable
- International Power Supply

Software Features:

Semiconductors - Integrated Circuits

39

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

Farnell Page 1458 Date: 22-08-06 time: 00:23

- Keil DKRAM Evaluation version, featuring IDE, C Compiler, Simulator and Debugger
- IAR Embedded workbench (Evaluation Version, featuring IDE, C Compiler, ARM7TDMI core Simulator & Debugger (debugger is 32K code-size limited for evaluation version) and ROM monitor to debug directly via UART
- PLA Tool
- Example Code, Function Libraries, Datasheets, Application Notes, etc.

418771

Mftrs. List No.		Order Code	Price Each
EVAL-ADUC7026QSP	ADuC7026 Evaluation Kit	**102-7867**	690.17

Microconverter ADuC8XX QuickStart™ Development System

ANALOG DEVICES

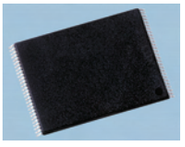
The 'entry level' QuickStart Development System allows designers to rapidly evaluate microConverter performance and functionality, and then begin a prototype development. The system provides all of the tools the designer needs including software tools, development board, integrated serial download/debug cable and power supply. It fully supports assembly level code development via a serial port debug path and provides designers with access to a demonstration project of the C-level development environment available in QuickStart-Plus. The system also includes the new 'aspire' Integrated Development Environment (IDE) facilitating easy assembly level code development with project manager, assembler, downloader, simulator and debugger in one easy to use IDE.

339875

Mftrs. List No.	Description	Order Code	Price Each
EVAL-ADUC812QS	ADUC812 Quickstart Development System	**509-8580**	133.32
EVAL-ADUC814QS	ADUC814 Quickstart Development System	**509-8592**	133.32
EVAL-ADUC831QS	ADUC831 Quickstart Development System	**509-8622**	133.32
EVAL-ADUC832QS	ADUC832 Quickstart Development System	**509-8634**	133.32
EVAL-ADUC834QS	ADUC834 Quickstart Development System	**509-8646**	133.32

CY7C630/640 USB Microcontrollers

CYPRESS





The CY7C630/640 is a family of 8-bit RISC One Time Programmable (OTP) microcontrollers with a built-in 1.5-Mbps USB Serial Interface Engine (SIE). They provide low-cost solution for low-speed USB applications such as mouse, gamepads, keyboards, joysticks etc.

387118

	Pins/Package	Description	I/O Pins
7C63001	20/DIL	8-Bit OTP, 4Kb EPROM, 128 bytes RAM w USB	16
7C63001	20/SOIC	8-Bit OTP, 4Kb EPROM, 128 bytes RAM w USB	16
7C63723	18/SOIC	8-Bit OTP, 8Kb EPROM, 256 bytes RAM w enCoRe USB	13
7C64013	28/SOIC	8-Bit OTP, 8Kb PROM, 256 bytes RAM w Full Speed USB	19

Mftrs. List No.	Order Code	Price Each 1+	10+	100+
CY7C63001A-PXC	**891-1550**	6.05	4.82	4.05
CY7C63001A-SXC	SMD **891-1568**	6.05	4.82	4.05
CY7C63723-SXC	SMD **891-1584**	6.61	5.31	4.42
CY7C64013-SXC	SMD **891-1606**	10.77	9.18	7.67

ZILOG Development Tools & Microcontrollers

Z8 8-Bit Flash Microcontrollers

ZiLOG

These Flash Microcontrollers are part of the Z8 Encore!™ Series and are designed to set a new standard for performance and on-chip-peripherals. The devices come in various packages with between 20 and 80-pins and upto 64KB of Flash program memory and 4KB RAM. The new single-pin debugger and programming interface simplifies code development and allows for easy in-circuit programming. The full-duplex UART provides serial communications and IrDA encoding an decoding capability. Up to 12 channels of 10-bit ADC are available depending on the product, along with 16-bit timers/PWM and an on-chip debugger.

372751

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
Z8F0411	20	SSOP	8-bit 4K Flash Z8 MCU, 1K RAM	Z8F0411HH020SG	SMD **780-5306**	0.79	0.60	0.55
Z8F0411	20	DIL	8-bit 4K Flash Z8 MCU, 1K RAM	Z8F0411PH020SG	**780-5314**	7.38	5.60	5.13
Z8F0412	28	DIL	8-bit 4K Flash Z8 MCU, 1K RAM	Z8F0412PJ020SG	**780-5330**	8.82	6.68	6.12
Z8F0412	28	SOIC	8-bit 4K Flash Z8 MCU, 1K RAM	Z8F0412SJ020SG	SMD **780-5349**	8.46	6.41	5.87
Z8F0421	20	SSOP	8-bit 4K Flash, Z8 MCU, 1K RAM	Z8F0421HH020SG	SMD **780-5357**	9.17	6.95	6.37
Z8F0421	20	DIL	8-bit 4K Flash Z8 MCU, 1K RAM	Z8F0421PH020SG	**780-5365**	9.28	7.03	6.45
Z8F0422	28	DIL	8-bit 4K Flash Z8 MCU, 1K RAM	Z8F0422PJ020SG	**780-5373**	10.11	7.66	7.02
Z8F0422	28	SOIC	8-bit 4K Flash Z8 MCU, 1K RAM	Z8F0422SJ020SG	SMD **780-5381**	9.78	7.41	6.79
Z8R0811	20	SSOP	8-bit 8K Flash Z8 MCU, 1K RAM	Z8F0811HH020SG	SMD **780-5390**	10.86	8.23	7.54
Z8R0811	20	DIL	8-bit 8K Flash Z8 MCU, 1K RAM	Z8F0811PH020SG	**780-5411**	10.98	8.32	7.63
Z8R0812	28	DIL	8-bit 8K Flash Z8 MCU, 1K RAM	Z8F0812PJ020SG	**780-5420**	11.29	8.55	7.84
Z8R0812	28	SOIC	8-bit 8K Flash Z8 MCU, 1K RAM	Z8F0812SJ020SG	SMD **780-5438**	12.05	9.13	8.37
Z8F0821	20	SSOP	8-bit 8K Flash Z8 MCU, 1K RAM	Z8F0821HH020SG	SMD **780-5446**	11.64	8.82	8.08
Z8F0821	20	DIL	8-bit 8K Flash Z8 MCU, 1K RAM	Z8F0821PH020SG	**780-5454**	11.75	8.91	8.16
Z8F0822	28	DIL	8-bit 8K Flash Z8 MCU, 1K RAM	Z8F0822PJ020SG	**780-5462**	12.49	9.46	8.67
Z8F0822	28	SOIC	8-bit 8K Flash Z8 MCU, 1K RAM	Z8F0822SJ020SG	SMD **780-5470**	12.19	9.24	8.46
Z8F1621	44	LQFP	8-bit 16K Flash Z8 MCU, 2K RAM	Z8F1621AN020SG	SMD **780-5489**	16.69	12.65	11.59
Z8F1621	40	DIL	8-bit 16K Flash Z8 MCU, 2K RAM	Z8F1621PM020SG	**780-5500**	16.80	12.73	11.67
Z8F1621	44	PLCC	8-bit 16K Flash Z8 MCU, 2K RAM	Z8F1621VN020SG	SMD **780-5519**	16.80	12.73	11.67
Z8F1622	64	LQFP	8-bit 16K Flash Z8 MCU, 2K RAM	Z8F1622AR020SG	SMD **780-5527**	17.46	13.23	12.12
Z8F1622	68	PLCC	8-bit 16K Flash Z8 MCU, 2K RAM	Z8F1622VS020SG	SMD **780-5535**	17.62	13.35	12.23
Z8F3221	44	LQFP	8-bit 32K Flash Z8 MCU, 2K RAM	Z8F3221AN020SG	SMD **780-5543**	20.15	15.27	13.99
Z8F3221	40	DIL	8-bit 32K Flash Z8 MCU, 2K RAM	Z8F3221PM020SG	**780-5551**	20.26	15.35	14.07
Z8F3221	44	PLCC	8-bit 32K Flash Z8 MCU, 2K RAM	Z8F3221VN020SG	SMD **780-5560**	20.26	15.35	14.07
Z8F3222	64	LQFP	8-bit 32K Flash Z8 MCU, 2K RAM	Z8F3222AR020SG	SMD **780-5578**	20.90	15.84	14.52
Z8F3222	68	PLCC	8-bit 32K Flash Z8 MCU, 2K RAM	Z8F3222VS020SG	SMD **780-5586**	21.06	15.96	14.62
Z8F6421	40	DIL	8-bit 64K Flash Z8 MCU, 4K RAM	Z8F6421PM020SG	**780-5594**	25.28	19.16	17.56
Z8F6421	44	PLCC	8-bit 64K Flash Z8 MCU, 4K RAM	Z8F6421VN020SG	SMD **780-5608**	25.28	19.16	17.56
Z8F6422	68	PLCC	8-bit 64K Flash Z8 MCU, 4K RAM	Z8F6422VS020SG	SMD **780-5616**	27.55	19.97	17.80
Z8F6423	80	QFP	8-bit 64K Flash Z8 MCU, 4K RAM	Z8F6423FT020SG	SMD **780-5624**	28.11	20.37	18.16

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Z86E03-40

ZiLOG

A low cost family of 8-bit microcontrollers from Zilog with on-board OTP PROM, RAM, I/O, timer/counters, watchdog, power-on reset/brown out protection and two comparator inputs that can be configured to provide analogue inputs/ADCs.

Features include:

Register-to-register architecture — avoids accumulator bottlenecks and is more code efficient than RISC processors.
Two timers on most devices (exception Z86E03) — combines with flexible clocking and interrupt modes for simpler software solutions.
Relocatable stack — only limited in size by total RAM space.
Fast context switching — to rapidly respond to interrupts and switch tasks.

Applications:
- Security systems
- Smart cards
- Exercise equipment
- Keyboards
- Remote controls
- Monitors
- Electronic games
- Answering machines
- Kitchen appliances
- Mobile phones
- Microwave ovens
- Automotive modules
- Card readers
- Industrial controls

210510

	Pins	Pkg.	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+
86E04	18	DIL	8-bit Microcontroller, 1Kb OTP PROM, 124 bytes RAM, 14 I/O lines, with crystal oscillator - 12MHz	Z86E0412PSG1866	108-1881	5.31	4.02	3.69	– –
86E08	18	DIL	8-bit Microcontroller, 2Kb OTP PROM, 124 bytes RAM, 14 I/O lines, with crystal oscillator - 12MHz	Z86E0812PSG1866	108-1884	6.56	4.97	4.56	– –
86E30	28	DIL	8-bit Microcontroller, 4Kb OTP PROM, 236 bytes RAM, 24 I/O lines, with selectable oscillator - 16MHz	Z86E3016PSG	108-1885	16.55	12.54	11.49	– –
Z8									
80180	64	DIL	8-bit CMOS CPU, 10MHz Clock (enhanced Z80)	Z8018010PSG	108-1879	24.30	18.60	17.04	– –

8-Bit Microprocessor ICs continued

80C188, 82C84

211006

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
80C188	INTEL	68	PLCC	8-bit CMOS CPU, 12MHz Clock (enhanced 80C88), 16-bit internal architecture	N80C188XL-12	SMD 205-801	39.09	28.71	24.21	– –	– –
80C188	INTEL	68	PLCC	8-bit CMOS CPU, 20MHz Clock (enhanced 80C88), 16-bit internal architecture	N80C188XL-20	SMD 631-826	34.02	26.11	23.37	– –	– –
82C84	INTS	18	DIL	CMOS Clock Generator and Driver, 25MHz	CP82C84AZ	121-6116	8.27	7.65	6.99	6.58	– –

CAN Controllers

MCP2510 CAN Developer's Kit

MICROCHIP

The MCP2510 is a combination of a software development and a CAN communications tool, introducing the CAN protocol.
The software development has been made easy with a variety of features to allow manipulation of functionality of the MCP2510. CAN messages can be created and saved for future use and modification. Received messages are displayed on a separate window. All MCP2510 registers may be read, displayed and modified.
The tool can be used to demonstrate basic communications on a CAN bus via message transmission and reception. Messages are created on host PC and sent or received, indicated by LED toggle showing the message traffic.
Easy demonstration of message transmission and reception is illustrated by way of push button switches on the target board for digital inputs, potentiometer for analogue inputs via CAN bus.
Supplied with a universal power supply. UK mains (**439-319**) and European (**210-699**) mains plug leads available separately.

210940

	Order Code	Price Each
MCP2510 CAN development kit	315-4853	444.01

MCP2510 CAN Controllers

MICROCHIP

The MPC2510 is a full Controller Area Network (CAN) protocol controller implementing CAN specification V2.0 A/B. It supports CAN 1.2, CAN 2.0B Passive, and CAN 2.0B Active versions of the protocol, and is capable of transmitting and receiving standard and extended messages. It includes three transmit buffers and two receive buffers that reduce the amount of microcontroller work required.
The communication to the device is via an industry standard Serial Peripheral Interface (SPI) with data rates up to 5Mb/sec.

LATEST PRICING

Features:
- Implements Full CAN V2.0
- Programmable bit rate up to 1Mb/s
- Industrial temp. range -40°C to +85°C
- 0-8 Byte message length
- Low power 2.7V to 5.5V
- High speed SPI Interface 5MHz at 4.5V

Prices where indicated by a ↕ are subject to change. Please call your local sales office or visit www.farnellinone.com for the latest prices.

211007

Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
251018	DIL	Stand Alone Full CAN Controller (IND TEMP)	MCP2510-I/P	975-8534	6.30	4.48	4.35	– –	– –
251018	SOIC	Stand Alone Full CAN Controller (IND TEMP)	MCP2510-I/SO	SMD 975-8542	6.30	4.48	4.35	– –	– –
251020	TSSOP	Stand Alone Full CAN Controller (IND TEMP)	MCP2510-I/ST	SMD 975-8550	7.26	5.16	5.01	– –	– –
25518	SOIC	CAN High Speed Transceiver (IND TEMP)	MCP2551-I/SN	SMD 975-8569	2.23	1.58	1.54	– –	– –

CAN Controller Interfaces

These devices provide the interface between the CAN protocol controller and the physical bus.

234799

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
65	TI	8	SOIC	Transceiver, CAN, 3.3V w/36V Standoff	SN65HVD233DG4	SMD 120-7268	6.60	5.05	3.86
65	TI	8	SOIC	Transceiver, CAN, 3.3V w/36V Standoff	SN65HVD235DG4	SMD 120-7269	6.60	5.05	3.86
65	TI	8	SOIC	Transceiver, CAN, 3.3V w/36V Standoff	SN65HVD234D	SMD 121-2363	6.38	4.88	3.73
65	TI	8	SOIC	Transceiver, CAN, 5.0V w/36V Standoff	SN65HVD251D	SMD 121-2364	4.20	3.22	2.37
65	TI	8	SOIC	Transceiver, CAN, 3.3V w/Standby	SN65HVD230DR	SMD 845-2148	5.94	4.54	3.47
65	TI	8	SOIC	Transceiver, CAN, 3.3V w/36V Standoff	SN65HVD234D.	SMD 845-2164	6.58	5.04	3.85
65	TI	8	SOIC	Transceiver, CAN, 5.0V w/36V Standoff	SN65HVD251D..	SMD 845-2202	3.68	2.81	2.07
82	PS	8	SOIC	CAN Controller Interface (EXT TEMP)	PCA82C250T/N4	SMD 108-5275	5.12	4.35	3.38
82	PS	8	SOIC	CAN Transceiver for 24V systems (EXT TEMP)	PCA82C251T/N3	SMD 120-1274	5.12	4.35	3.38
82	PS	8	DIL	CAN Controller Interface (EXT TEMP)	PCA82C250/N4	369-2358	4.97	4.23	3.28
82	PS	8	DIL	CAN Transceiver for 24V systems (EXT TEMP)	PCA82C251/N3	369-2371	4.97	4.23	3.28
1000	PS	28	SOIC	Stand Alone CAN Controller (EXT TEMP)	SJA1000T/N1.112	SMD 880-0529	15.07	10.25	8.20

● Compliant ◀ Non-compliant + Limited stock - RoHS replacement available
RoHS

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
1000	PS	28	DIL	Stand Alone CAN Controller (EXT TEMP)	SJA1000/N1,112	880-4648	15.33	10.42	8.37
1020	PS	8	SOIC	LIN Transceiver (EXT TEMP)	TJA1020T/N1,112	SMD 880-4583	3.42	2.31	1.86
1050	PS	8	SOIC	High Speed CAN Transceiver (EXT TEMP)	TJA1050T/N1,112	SMD 880-4613	3.58	2.41	1.95
1054	PS	14	SOIC	Fault-Tolerant CAN Transceiver (EXT TEMP)	TJA1054T/N1,112	SMD 880-4630	7.94	5.40	4.33
2515	MCHIP	20	TSSOP	Stand-Alone CAN Controller with SPI Interface	MCP2515-I/ST	SMD 119-6851	5.14	4.59	4.13
9615	ST	8	SOIC	CAN bi-directional Transceiver (EXT TEMP)	L9615D.	SMD 415-5592	3.23	2.58	2.26

8-Bit Microprocessor Support ICs

210801

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
Z80										
80	ZILOG	40	DIL	Dual Asynchronous Receiver/Transmitter - 6MHz (Z80BDARTPS)	Z0847006PSG	108-1863	11.46	8.68	7.96	– –
84C20	ZILOG	40	DIL	CMOS Z80A PIO - 6MHz	Z84C2006PEG	108-1865	12.04	9.12	8.36	– –
84C20	ZILOG	40	DIL	CMOS Z80A PI0 - 8MHz	Z84C2008PEG	108-1892	11.61	9.12	8.36	– –
84C30	ZILOG	28	DIL	CMOS Z80A CTC - 6MHz.	Z84C3006PEG	108-1866	12.04	9.12	8.36	– –
84C40	ZILOG	40	DIL	CMOS Z80A SIO/O - 6MHz	Z84C4006PEG	108-1867	23.84	18.07	16.56	– –
84C42	ZILOG	40	DIL	CMOS Z80A SIO/2 - 6MHz.	Z84C4206PEG	108-1868	23.84	18.07	16.56	– –
85C30	ZILOG	40	DIL	CMOS Serial Communications Controller - 8MHz	Z85C30-08PSC	295-176‡	18.35	13.90	12.74	– –
85C30	ZILOG	40	DIL	CMOS Serial Communications Controller - 8MHz	Z85C3008PSG	108-1872	18.35	13.90	12.74	– –
85C30	ZILOG	44	PLCC	CMOS Serial Communications Controller - 8MHz	Z85C30-08VSC	SMD 295-188‡	18.35	13.90	12.74	– –
85C30	ZILOG	44	PLCC	CMOS Serial Communications Controller - 8MHz	Z85C3008VSG	SMD 108-1873	18.35	13.90	12.74	– –
8530	ZILOG	40	DIL	Serial Communications Controller - 6MHz	Z0853006PSG	108-1874	19.68	14.92	13.67	– –
8530	ZILOG	44	PLCC	Serial Communications Controller - 6MHz	Z0853006VSG	SMD 108-1888	19.68	14.92	13.67	– –
8530	ZILOG	40	DIL	Serial Communications Controller - 8MHz	Z0853008PSG	108-1870	23.28	17.64	16.17	– –
8536	ZILOG	40	DIL	Counter/Timer and Parallel I/O Unit - 6MHz	Z0853606PSG	108-1875	18.74	14.20	13.01	– –
8536	ZILOG	44	PLCC	Counter/Timer and Parallel I/O Unit - 6MHz	Z08536-06VSC	SMD 595-093‡	21.20	16.06	14.72	– –
8536	ZILOG	44	PLCC	Counter/Timer and Parallel I/O Unit - 6MHz	Z0853606VSG	SMD 108-1889	21.20	16.06	14.72	– –
Integrated Z80										
84C90	ZILOG	84	PLCC	CMOS Z80 Peripheral Circuit with CTC, SIO, PIO, a byte-wide bit programmable I/O port, and a crystal oscillator, 8MHz	Z84C9008VSG	SMD 108-1869	31.64	22.31	20.44	– –
I/O Expanders for 8048, 8400										
8574A	PS	16	DIL	CMOS I/O Expander for 8400/84C. Different slave address.	PCF8574AP	390-197	7.02	5.97	4.63	– –
8574A	PS	16	SOIC	CMOS I/O Expander for 8400/84C	PCF8574AT	SMD 120-1333	13.90	8.69	7.13	6.41
8574	PS	16	DIL	CMOS I/O Expander for 8400/84C. Different slave address.	PCF8574P	204-020	7.77	6.72	5.70	4.89
8574	PS	16	SOIC	CMOS I/O Expander for 8400/84C	PCF8574T	SMD 120-1255	6.94	5.90	4.58	– –

16 & 32-Bit Microprocessor Support ICs

211039

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
80186											
80C186	INTEL	PLCC	PLCC	16-bit CMOS CPU, 12MHz clock (enhanced 80C86)	N80C186XL-12	SMD 205-825	38.61	29.13	25.38	– –	– –
80C186	INTEL	68	PLCC	16-bit CMOS CPU, 20MHz clock (enhanced 80C86)	N80C186XL-20	SMD 631-796	35.83	35.18	– –	– –	– –
80C186	INTEL	68	PLCC	16-bit CMOS CPU, 25MHz clock (enhanced 80C86)	N80C186XL-25	SMD 316-6193	32.64	27.39	23.07	– –	– –
286											
82C84	INTS	18	DIL	CMOS Clock Generator and Driver, 25MHz.	CP82C84A	527-830	8.03	7.43	6.79	6.38	– –
82C84	INTS	18	DIL	CMOS Clock Generator and Driver, 25MHz.	CP82C84AZ	121-6116	8.27	7.65	6.99	6.58	– –
8XC196											
80C196	INTEL	68	PLCC	16-bit CMOS CPU, on-chip 10-bit A/D converter with sample and hold amp., 8/16-bit external bus, 16MHz.	N80C196KB-16	SMD 563-493	38.80	31.41	29.16	– –	– –
87C196	INTEL	68	PLCC	16-bit CMOS MCU, 8K OTP PROM - on board 8 channel ADC,16MHz	N87C196KB-16	SMD 316-6247	49.38	45.37	40.13	– –	– –
87C196	INTEL	68	PLCC	16-bit CMOS MCU, 16K OTP PROM - on board 8 or 10 bit ADC with sample and hold amp., 8/16 bit external bus, 20MHz	N87C196KC-20	SMD 631-681	91.50	76.50	61.50	– –	– –

HCS12 Development Kit

Launched by Motorola freescale semiconductor



The HCS12 Development Kit is a tool for developing code and evaluating it on HCS12 "D" and "A" family MCUs. This kit combines the BDM Multilink and an evaluation board (EVB). The EVB simplifies user evaluation of prototype hardware and software by providing the essential MCU timing and I/O circuitry as well as a prototype area to allow custom interfacing. The BDM Multilink interfaces to the EVB through the 6-pin BDM connector for real-time In-Circuit Emulation and fast FLASH programming.

HCS12DP256 Evaluation Board:-
- MC9S12DP256 MCU allows evaluation of all HCS12 D & A derivatives
- 256 Kbytes on-chip Flash
- User prototyping area
- Header connectors for access to the microcontroller I/O and bus lines
- RS232 & CAN communication interfaces

BDM Multilink:-
- Universal development tool for all BDM HCS12 derivatives
- Real-time in-circuit emulation and debug
- Fast in-circuit programming
- Auto-detects target MCU frequency
- Small unobtrusive size (approx. 3"x2"x3/4")
- Supports 2V to 5.5V targets

CodeWarrior IDE from Metrowerks:-
- Full debugger, assembler, linker and programming
- Evaluation C compiler

239885

Mftrs. List No.	Product Description	Order Code	Price Each
M68KIT912DP256	HCS12 Evaluation Kit	413-2889	977.52

Prices are in Singapore Dollars and exclusive of GST.
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General Purpose 16-Bit HCS12 Microcontroller

The HCS12 family is built around a powerful 25MHz processor, offers advanced on-chip debugging capability through the unique Freescale Semiconductor Background Debug Mode (BDM), and code compatibility with Freescale's 68HC11 and 68HC12 architectures.

The HCS12 family roadmap features pin-compatible devices with on-chip Flash memory ranging from 32K bytes up to 512K bytes. Each HCS12 derivatives offers varying peripherals and feature sets making the microcontrollers suitable for many different applications.

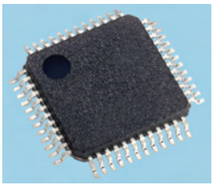
The general purpose 'A' Family comes with either 128k or 256k Flash, while the automotive and industrial application targeted 'D' Family offers options with 2 to 5 CAN modules.

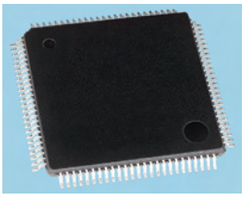
The flagship, HC9S12A256 features 256K bytes Flash memory, 16-channel, 10-bit ADC, 8-channel 16-bit timer and 4-channel 16-bit PWM Module. Package options include a 112-pin low-profile quad flat (LQFP) and an 80-pin quad flat package (QFP).

239917

Mftrs List No.	Flash (bytes)	RAM (kbytes)	EEPROM (kbytes)	TIMER	SERIAL	A / D	Temp	Pins / Packages	Order Code	Price Each 1+	10+	100+
MC9S12DT256CPVE	96Kbyte		4K	8-CH, 16-bit ECT	2xSCI/UART 3xSPI, I^2C 5xCAN J1850	2 x 8-CH 10-bit	C	112 / LQFP	SMD 116-5795	47.88	39.91	31.93
MCHC908JK1ECPE	1536 byte		4K	8-CH, 16-bit ECT	2xSCI/UART 3xSPI, I^2C 2xCAN	2 x 8-CH 10-bit	C	20 / DIL	114-8489	4.65	3.87	3.09
MC908GR8CDWE	7680		4K	8-CH, 16-bit ECT	2xSCI/UART 3xSPI, I^2C	2 x 8-CH 10-bit	C	28 / SOIC	114-8423	12.27	10.22	8.17
MC68HC908GR4CFAE	0		4K	8-CH, 16-bit ECT	2xSCI/UART 3xSPI, I^2C	2 x 8-CH 10-bit	C	32 / LQFP	114-8403	8.37	6.97	5.57

MC9S12 Series Microcontrollers





NEW

The MC9S12 16-bit Microcontroller Family is built around a powerful CPU that incorporates leading-edge, third-generation 0.25μ FLASH technology. This unique family will provide pin-compatible scalability from 32 Kbytes to 512 Kbytes of integrated FLASH along with a wide variety of integrated peripherals. The highly efficient communication CAN modules featured in some of the MC9S12 family make these ideal for other networked automotive applications.

Features:

- Fully upward compatible with the popular 8-bit 68HC11 for easy migration
- Extremely compact code optimized for C
- High performance with up to 40 nsec minimum instruction cycle time
- Flexible addressing modes including multibyte automatic post-increment or decrement for efficient pointer manipulation and looping control
- On-chip background debug module allows expensive emulators to be replaced by low-cost serial real-time emulation and debug.

383503

	Pins/ Package	Description	I/O Pins	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
12C32	48/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	31	MC9S12C32CFAE25	SMD 868-6599	17.81	13.96	13.15
12C32	80/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	60	MC9S12C32CFUE25	SMD 868-6602	18.80	14.74	13.88
12C32	52/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	35	MC9S12C32CPBE25	SMD 868-6610	17.52	13.74	12.94
12C32	48/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	31	MC9S12C32MFAE25	SMD 868-6629	19.80	15.53	14.63
12C32	80/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	60	MC9S12C32MFUE25	SMD 868-6637	21.58	17.31	16.30
12C32	52/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	35	MC9S12C32MPBE25	SMD 868-6645	19.48	15.28	14.39
12C32	48/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	31	MC9S12C32VFAE25	SMD 868-6653	18.43	14.45	13.61
12C32	80/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	60	MC9S12C32VFUE25	SMD 868-6661	20.44	16.03	15.10
12C32	52/QFP	16-bit MCU w/CAN, 32Kb Flash, 2Kb RAM - 25MHZ	35	MC9S12C32VPBE25	SMD 868-6670	19.27	15.11	14.23
12A64	80/QFP	16-bit MCU 64Kb Flash, 4Kb RAM - 25MHZ.	59	MC9S12A64CFUE	SMD 868-6726	23.83	18.68	17.60
12A64	112/LQFP	16-bit MCU 64Kb Flash, 4Kb RAM - 25MHZ.	91	MC9S12A64CPVE	SMD 868-6734	24.18	18.96	17.86
12D64	80/QFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	60	MC9S12D64CFUE	SMD 868-6750	27.89	21.87	20.60
12D64	112/LQFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	91	MC9S12D64CPVE	SMD 868-6769	28.85	22.62	21.31
12D64	80/QFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	60	MC9S12D64MFUE	SMD 868-6777	31.65	25.38	23.91
12D64	112/LQFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	91	MC9S12D64MPVE	SMD 868-6785	31.22	24.48	23.06
12D64	80/QFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	60	MC9S12D64VFUE	SMD 868-6793	30.18	24.21	22.80
12D64	112/LQFP	16-bit MCU w/CAN, 64Kb Flash, 4Kb RAM - 25MHZ	91	MC9S12D64VPVE	SMD 868-6807	29.12	22.83	21.51
12E64	80/QFP	16-bit MCU 64Kb Flash, 4Kb RAM - 25MHZ.	60	MC9S12E64CFUE	SMD 868-7137	22.08	17.31	16.31
12E64	112/LQFP	16-bit MCU 64Kb Flash, 4Kb RAM - 25MHZ.	91	MC9S12E64CPVE	SMD 868-7145	24.21	18.98	17.88
12A128	80/QFP	16-bit MCU 128Kb Flash, 8Kb RAM - 25MHZ.	59	MC9S12A128CFUE	SMD 868-6688	33.70	26.42	24.89
12DG128	80/QFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	60	MC9S12DG128CFUE	SMD 868-6815	33.64	26.38	24.84
12DG128	80/QFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	60	MC9S12DG128MFUE	SMD 868-6831	23.22	18.21	17.15
12DG128	80/QFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	60	MC9S12DG128VFUE	SMD 868-6858	34.86	27.34	25.75
12DT128	112/LQFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	91	MC9S12DT128MPVE	SMD 868-7064	41.10	32.23	30.36
12DT128	112/LQFP	16-bit MCU w/CAN, 128Kb Flash, 8Kb RAM - 25MHZ	91	MC9S12DT128VPVE	SMD 868-7072	39.23	30.76	28.98
12E128	80/QFP	16-bit MCU 128Kb Flash, 8Kb RAM - 25MHZ.	60	MC9S12E128CFUE	SMD 868-7110	27.43	21.51	20.26
12E128	112/LQFP	16-bit MCU 128Kb Flash, 8Kb RAM - 25MHZ.	91	MC9S12E128CPVE	SMD 868-7129	29.30	23.51	22.14
12H128	112/LQFP	16-bit MCU w/CAN, 128Kb Flash, 6Kb RAM - 16MHZ	99	MC9S12H128VPVE	SMD 868-6564	42.12	33.03	31.11
12H256	144/LQFP	16-bit MCU w/CAN, 256Kb Flash, 12Kb RAM - 16MHZ	99	MC9S12H256VFVE	SMD 868-6572	53.70	42.11	39.66
12H256	112/LQFP	16-bit MCU w/CAN, 256Kb Flash, 12Kb RAM - 16MHZ	99	MC9S12H256VPVE	SMD 868-6580	48.46	38.00	35.79



● Compliant
◀ Non-compliant
++ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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MSP-FET430 FLASH Emulation Tools

TEXAS INSTRUMENTS



Features:
- MSP430 FET development board with:
  - ZIF socket
  - LED indicator
  - FET to PC cable
  - header pinouts for prototyping
  - On-chip emulation via JTAG
  - Real-time execution/programming
  - Hardware breakpoints/single step
- Two MSP430 supporting FLASH devices
- Integrated IAR Kickstart user interface, including:
  - Unlimited assembler/linker/simulator
  - source-level debugger
  - limited (4kb) C compiler.
- Full documentation on CD ROM.

The FLASH Emulation Tools (FETs) support in-system development for all MSP430 FLASH devices. The MSP-FET430 FLASH Emulators are powerful tools that include the hardware and software required for application development.

Programming, assembler/C-source level debug, single stepping, multiple hardware breakpoints, full-speed operation and peripheral access are fully supported in-system using JTAG.

The IAR Kickstart environment enables designers to update, download, run and debug their code whilst the MSP430 is connected to the PC. This quickens the development cycle of the application. The FLASH memory can be erased and programmed with a few keystrokes.

The MSP430 FLASH is low power and so requires no external power supply. The tools have an integrated software environment and connects directly to the PC, simplifying the set-up and use of the tool. The tools support development with the appropriate FLASH parts in the product families.

240432

Mftrs. List No.		Order Code	Price Each
MSP-FET430X110	supports MSP430P11x family	416-3930	110.83
MSP-FET430P120	supports MSP430P12x family	416-3941	219.75
MSP-FET430P140	supports MSP430P13x/14x family	416-3904	219.75
MSP-FET430P410	supports MSP430P41x family	416-3953	219.75
MSP-FET430P440	supports MSP430P43x/44x family	416-3916	219.75

MSP-PRG430 Universal Programmer

TEXAS INSTRUMENTS



The MSP-PRGS430 is a universal FLASH, OTP or UV device programmer controlled via a PC serial port. Devices can be programmed in-system using JTAG connection or in stand-alone sockets.

Features:
- RS232 to 14-pin JTAG interface
- Includes .DLL files for production environment
- Supports all devices

240434

Mftrs. List No.		Order Code	Price Each
MSP-PRGS430	Serial Programming Adapter	416-3928	441.71

MSP430 Ultra Low Power Microcontrollers

TEXAS INSTRUMENTS

The MSP430 family is a 16-bit RISC based mixed-signal processor, ideal for battery powered measurement applications, enabling systems engineers to interface to analogue signals, sensors and digital components simultaneously.

Features:
- Ultra low power architecture extends battery life
- High performance analogue
- 16-bit RISC CPU enables applications at low code size
- ISP FLASH permits flexible code changes, field upgrades and data logging
- Complete Integrated Development Environment

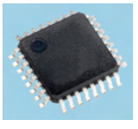
All devices support:
- Watchdog (16-bit)
- Timer_A (16-bit)
- Comparator_A - analogue signal compare function, slope A/D conversion
- Vcc = 1.8V - 3.6V
- Industrial Temperature

240433

Mftrs. List No.	Pins/ Package	Program (Flash kBytes)	RAM (Bytes)	I/O	Timer (2) 8-bit	Timer B 8-16 bit	USART	MPY	ADC	Order Code	Price Each 1+	25+	100+
HD64F3048F16V	QFP100/	128 Kb		70					Slope	SMD 119-3597	65.04	60.36	52.80
MSP430F149IPM..	QFP64/	60K	2048	48		✓	2	✓	12-Bit	SMD 416-3813	19.40	16.66	14.37
MSP430F149IPM	QFP64/	60K	2048	48		✓	2	✓	12-Bit	SMD 110-3048	19.75	16.97	14.64
MSP430F135IPM	QFP64/	16K	512	48		✓	1		12-Bit	SMD 110-6050	14.08	10.77	8.92
MSP430F1121IDW	SOIC20/	4K	256	14					Slope	SMD 110-3050	9.46	7.24	5.53
MSP430F1121IPW.	TSSOP20/	4K	256	14					Slope	SMD 416-3862	8.83	6.76	5.16
MSP430F1121IPW	TSSOP20/	4K	256	14					Slope	SMD 113-5957	9.46	7.24	5.53
MSP430F1132IPW	TSSOP20/	8K	256	14			1		Slope	SMD 113-5962	9.73	7.57	5.78
MSP430F123IDW..	SOIC28/	8K	256	22			1		Slope	SMD 416-3874	9.19	7.03	5.37
MSP430F123IDW	SOIC28/	8K	256	22			1		Slope	SMD 110-3051	10.12	7.74	5.91
MSP430F123IPW	TSSOP28/	8K	256	22			1		Slope	SMD 110-3053	10.12	7.74	5.91
MSP430F1232 IPW.	TSSOP28/	8K	256	22			1	✓	10-Bit	SMD 509-9286	9.49	7.26	6.02
MSP430F413IPM	QFP64/	8K	256	48	✓	✓			Slope	SMD 110-3054	11.53	8.83	7.31
MSP430F449IPZ	QFP100/	60K	2048	48	✓	✓	2	✓	12-Bit	SMD 110-3049	23.02	19.78	17.06
MSP430F437IPZ.	QFP100/	32 K	1024	48	✓	✓	1		12-Bit	SMD 416-3849	18.56	14.20	11.65
MSP430F437IPZ	QFP100/	32 K	1024	48	✓	✓	1		12-Bit	SMD 121-4412	19.16	14.66	12.03

R8C/Tiny Series Microcomputer

RENESAS



The R8C/XX Group of Single-Chip 16-BIT CMOS MCU is built using the high-performance silicon gate CMOS process with the R8C/Tiny Series CPU core. This MCU operates using sophisticated instructions featuring a high level of instruction efficiency. With 1M bytes of address space, it is capable of executing instructions at high speed. Applications include electric household appliance, office equipment, housing equipment (sensor, security), general industrial equipment, audio, etc.

NEW

Standard on-chip features include:
- 8/16 Bit Multifunction Timers
- UART/Clock Synchronous Serial Interface
- 10-bit A/D Converter
- Input Capture Timer
- Watchdog Timer
- Oscillation Stop Detection Function

386783

Pins/Package		Description	Memory Size	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
21102	32/LQFP	16-Bit single-chip, 8Kb Flash CMOS, 512 bytes RAM	8 Kb	R5F21102FP	SMD 882-9950	10.51	8.79	7.10
21103	32/LQFP	16-Bit single-chip, 12Kb Flash CMOS, 768 bytes RAM	12 Kb	R5F21103FP	SMD 882-9969	11.36	9.47	7.65
21104	32/LQFP	16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	16 Kb	R5F21104FP	SMD 882-9977	12.27	10.25	8.51
21113	32/LQFP	16-Bit single-chip, 12Kb Flash CMOS, 768bytes RAM	12 Kb	R5F21113FP	SMD 882-9993	12.27	10.25	8.30
21122	32/LQFP	16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	8 Kb	R5F21122FP	SMD 883-0010	11.36	9.47	7.65
21123	32/LQFP	16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	12 Kb	R5F21123FP	SMD 883-0029	12.27	10.25	8.74
21124	32/LQFP	16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	16 Kb	R5F21124FP	SMD 883-0037	13.18	11.00	9.16
21132	32/LQFP	16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	8 Kb	R5F21132FP	SMD 883-0045	12.27	10.25	8.74
21133	32/LQFP	16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	12 Kb	R5F21133FP	SMD 883-0053	13.18	11.00	8.92
21142	32/LQFP	16-Bit single-chip, 8Kb Flash CMOS, 512bytes RAM	8 Kb	R5F21142SP	SMD 883-0070	8.76	7.32	5.92
21143	32/LQFP	16-Bit single-chip, 12Kb Flash CMOS, 768bytes RAM	12 Kb	R5F21143SP	SMD 883-0088	9.67	8.07	6.88
21144	32/LQFP	16-Bit single-chip, 16Kb Flash CMOS, 1Kb RAM	16 Kb	R5F21144SP	SMD 883-0096	10.51	8.79	7.10

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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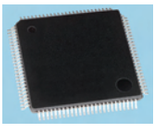
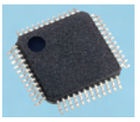
M16C/62P Group Microcomputers

RENESAS

NEW

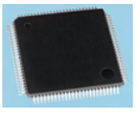
The M16C/62P Group (M16C/62P, M16C/62PT) of single-chip microcomputers are built using the high performance silicon gate CMOS process with a M16C/60 Series CPU core. These single-chip microcomputers operate using sophisticated instructions featuring a high level of instruction efficiency. With 1M bytes of address space, they are capable of executing instructions at high speed. In addition, the microcomputer contains a multiplier and DMAC which combined with fast instruction processing capability, makes it suitable for control of various OA, communication, and industrial equipment which requires high-speed arithmetic/logic operations.
Typical applications will include Audio, cameras, television, home appliance, office/communications/portable/industrial equipment, automobile, etc

386578

Pins	Package	Description	ROM Size	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
30620	100/QFP	16-Bit Single-Chip 10K RAM CMOS Flash MCU	128 K	M30620FCPFP#U5	SMD 882-9896	52.96	44.14	37.71
30620	100/LQFP	16-Bit Single-Chip 10K ROMless CMOS MCU		M30620SPGP#U5	SMD 882-9900	22.85	19.07	16.28

M32C/80 Group Microcomputers

RENESAS



NEW

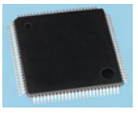
The M32C/80 group microcomputer is a single-chip control unit that utilizes high-performance silicon gate CMOS technology with the M32C/80 series CPU core. With a 16-Mbyte address space, this microcomputer combines advanced instruction manipulation capabilities to process complex instructions by less bytes and execute instructions at higher speed. It incorporates a multiplier and DMAC adequate for office automation, communication devices and industrial equipments and other high-speed processing applications..

386609

Pins	Package	Description	ROM Size	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
30800	100/LQFP	16-Bit Single-Chip 8K RAM ROMless CMOS MCU		M30800SAGP#U5	SMD 882-9942	34.60	28.87	24.65
30833	100/LQFP	16-Bit Single-Chip 31K RAM CMOS Flash MCU	512 K	M30833FJGP#U5	SMD 882-9934	111.65	93.03	79.52

SH7014/47 Group Microcomputers

RENESAS



NEW

The SH7014/47 group single-chip RISC (Reduced Instruction Set Computer) microprocessors integrate a Renesas-original RISC CPU core with peripheral functions required for system configuration. The group CPU has a RISC-type instruction set. Most instructions can be executed in one state (one system clock cycle), which greatly improves instruction execution speed. In addition, the 32-bit internal-bus architecture enhances data processing power. With this CPU, it has become possible to assemble low cost, high performance/high-functioning systems, even for applications that were previously impossible with microprocessors, such as real-time control, which demands high speeds.

386640

Pins	Package	Description	ROM Size	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
64F7047	100/QFP	32-Bit SuperH RISC engine 12 K RAM MCU	256 K	HD64F7047F50V	SMD 883-0177	148.00	123.36	99.67
64F7014	112/QFP	32-Bit SuperH RISC engine 3 K RAM ROMless MCU		HD6417014RF28V	SMD 883-0185	47.07	39.26	33.53

SK-16x Starter Kits

Infineon technologies





Each starter kit contains an evaluation board which connects to a PC via RS-232 and allows for capabilities of the featured microcontrollers to be assessed and development of applications to be carried out quickly and easily. The board has a wire wrap area and RAM and FLASH memory for program download. Evaluation versions of third party development software are provided, with restricted code size, as well as full data on the microcontroller, the board manual and application notes. The starter kit CD-ROM also contains code examples, both source and executable.

240240

		Order Code	Price Each
SK-167	Starter Kit for C167 range.	119-910	539.00

80C166 Family

Infineon technologies

- High performance 16-bit MCU
- 16 channel capture/compare/PWM module
- 1K x 8 RAM
- 76 I/O lines
- 10-bit ADC
- 2 serial channels (USART)
- 7 timers
- 8-channel interrupt

The SAB80C166M 16-bit Microcontroller offers ultra high performance with a 100ns instruction cycle and is optimised for use with powerful industry standard high-level language C compilers. A highly flexible 8 and 16-bit programmable bus supports low cost industry standard memory types giving cost effective system designs.

A 100ns task switch combines with a 400ns interrupt latency and on-chip 8 channel peripheral DMA unit allows an almost unlimited number of tasks to run simultaneously, in many cases replacing multiple processors. An enhanced version, the SABC167CRLM, offers on-chip CAN bus support for high performance industrial networks with an external addressing range of up to 16 Mbytes with up top 5 programmable bus areas with chip-select logic.

The SABC165LM offers all of the external memory features of the SABC167CRLM in a low cost package.

210713

Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
C167 144	MQFP	16-bit CMOS MCU, 4K RAM, ADC, CAPCOM, PWM, CAN2.0B, timers, WDT, USART, 111 I/O - 20MHz (EXT TEMP)	SAK-C167CR-LM HA	SMD 122-0083	53.90	43.12	35.58
C167 144	MQFP	16-bit CMOS MCU, 11K RAM, ADC, CAPCOM, PWM, CAN2.0B, timers, WDT, USART, 111 I/O - 25MHz (EXT TEMP)	SAL-C167CS-LM CA+	SMD 122-0084	60.15	48.12	39.70

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The very latest NEW products

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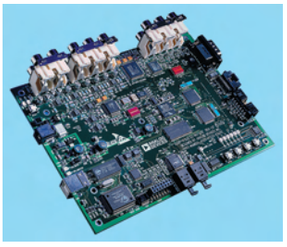
Farnell Page 1464 Date: 22-08-06 time:00:26

Digital Signal Processing

EZ-KIT Lite™ for the ADSP-BF533 and BF535 Blackfin® Processor

ANALOG DEVICES



The ADSP-BF533 EZ-KIT Lite provide developers with a cost-effective method for initial evaluation of the ADSP-BF533 Blackfin Processor for a wide range of applications including audio and video processing. The EZ-KIT Lite includes an ADSP-BF533 desktop evaluation board and fundamental debugging software to facilitate architecture evaluations via a USB-based PC-hosted tool set. With this EZ-KIT Lite, users can learn more about ADI's ADSP-BF533 hardware and software development and prototype applications. The ADSP-BF533 EZ-KIT Lite provides an evaluation suite of the VisualDSP++ integrated development and debug environment with C/C++ compiler, advanced plotting tools, statistical profiling, VisualDSP Component Software Engineering (VCSE), and the VisualDSP++ Kernel (VDK). Other features include; assembler, linker, libraries, and splitter. VisualDSP++ offers programmers a powerful programming tool with flexibility that significantly reduces the time-to-market. The VisualDSP++ software included with the EZ-KIT Lite is limited in program memory size for use solely with the EZ-KIT Lite product.

Features:

- ADSP-BF533/535 Blackfin®Processor
- 32MB (16M x 16-bit) SDRAM for BF533 and 4M x 32-bit SDRAM for BF535
- 2MB (512K x 16-bit x 2) FLASH memory for BF533 and 272K x 16-bit Flash memory for BF535
- AD1836 96 kHz audio codec with 4 input and 6 output RCA jacks
- ADV7183 video decoder with 3 input RCA jacks
- ADV7171 video encoder with 3 output RCA jacks
- ADM3202 RS-232 line driver/receiver
- ADP3088 Analog Devices switching regulator for core power management for the BF535
- DB9 male connector
- USB-based debugger interface
- JTAG ICE 14-pin header
- SPORT0 connector
- Evaluation suite of VisualDSP++
- Three 90-pin connectors providing PPI, SPI, EBIU, Timers0-2, UART, Programmable Flags, SPORT0, and SPORT1 expansion interfaces for analyzing and interfacing

System Requirements:

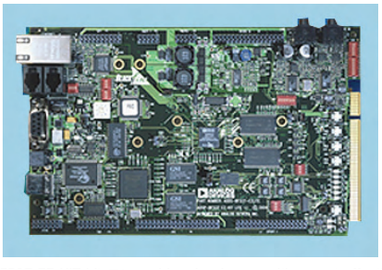
- Pentium®166 MHz or higher
- Minimum of 32MB of RAM
- Windows® 98 , Windows 2000, or Windows XP
- One USB port

339724

Mftrs. List No.	Order Code	Price Each
ADDS-BF533-EZLITE	**509-8567**	710.97
ADDS-BF535-EZLITE	**509-8579**	524.34
ADDS-BF561-EZLITE	**854-6193**	879.84

ADSP-BF537 EZ-KIT Lite™ Development Kit

ANALOG DEVICES



NEW

The ADSP-BF537 EZ-KIT Lite™ provides developers with a cost-effective method for evaluation of the ADSP-BF537 Blackfin® Processor and its rich set of system peripherals, including the IEEE 802.3 10/100 Ethernet MAC and CAN 2.0B controller.

The EZ-KIT Lite includes an ADSP-BF537 Processor desktop evaluation board along with an evaluation suite of the VisualDSP++® development and debugging environment with the C/C++ compiler, assembler, and linker. It also includes sample processor application programs, CE-approved power supply, a USB cable, both straight through and cross-over Ethernet cables, a 3.5mm stereo cable, and a pair of stereo headphones.

- ADSP-BF537 Blackfin Processor
- Max Core Clock Rate of 600MHz
- 64 MB (32M x 16) SDRAM, 4 MB (2 M x 16) FLASH memory
- SMSC LAN83C185 10/100 PHY with RJ45 Connector
- CAN TJA1041 Transceiver with 2 RJ10 Connectors
- AD1871 96 KHz stereo DAC with 1/8" Jack Connector
- AD1854 96 KHz stereo ADC with 1/8" Jack Connector
- RS-232 UART line driver/receiver
- National Instruments Educational Laboratory Virtual Instrumentation Suite (NI ELVIS) interface
- Various daughter boards are available to extend the kits functionality - see below

PC System Requirements

- Pentium® 166 MHz or higher, Minimum of 32 megabytes of RAM
- Windows® 2000, Windows XP
- One available USB connector

422980

Mftrs. List No.	Order Code	Price Each
ADDS-BF537-EZLITE	**107-8199**	622.11

ADSP-BF537 EZ-KIT Lite™ Development Kit Daughter Boards

ANALOG DEVICES

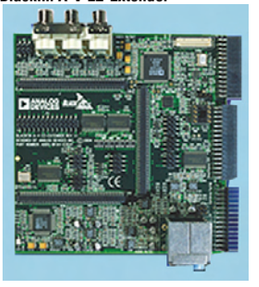
Blackfin USB-LAN EZ-Extender



- USB 2.0 Interface, provided by PLX Technology's Netchip 2272 device
- USB Driver Application code

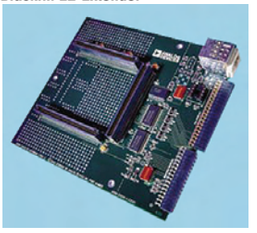
Note: On-Board Ethernet Interface does not support ADSP-BF537

Blackfin A-V EZ-Extender



- Audio Interface with 2 channels of stereo input and 3 channels of stereo output (Analog Devices AD1836 -96 kHz audio codec)
- Analog Video Output for CVBS and S-Video output formats (Analog Devices ADV7179 video encoder)
- Analog Video Input for CVBS, S-Video, and YPrPb component video input formats (Analog Devices ADV7183B video decoder)
- Camera Sensor Board Interface, suitable for connection to Micron, OmniVision, and Kodak evaluation boards for inputting digital video over the processor's Parallel Peripheral Interface (PPI)

Blackfin EZ-Extender



- OmniVision camera interface for connecting to OmniVision OV6630AA Digital Camera Evaluation Board
- Analog Devices High Speed Converter (HSC) interface for connecting to HSC Evaluation Boards (ADC, mixed signal, and DAC)
- External LCD display interface
- RJ45 connector for providing SPI signals for configuring converter registers

422986

Mftrs. List No.	Order Code	Price Each
Blackfin USB-LAN EZ-Extender		
ADDS-USBLAN-EZEXT	**107-8195**	399.93
Blackfin A-V EZ-Extender		
ADDS-BFAV-EZEXT	**107-8196**	399.93
Blackfin EZ-Extender		
ADDS-BF-EZEXT-1	**107-8198**	346.59

F2812 eZdsp™ Starter Kit(DSK)

TEXAS INSTRUMENTS

The F2812 eZdsp™ is a stand alone module that lets evaluators examine certain characteristics of the F2812 digital signal processor (DSP) to determine if this DSP meets their application requirements. This module has a single chip parallel port to JTAG scan controller. Therefore the module can be operated without additional development tools such as an emulator. The module also provides an excellent platform to develop, demonstrate, and run software for the F2812 processor.

Features:

- TMX320F2812 Digital Signal Processor
- 18K words RAM
- 128K words on chip Flash ROM
- 64K words on board RAM
- Expansion connectors
- Onboard embedded IEEE 1149.1 JTAG controller
- 5 Volt only operation with supplied adapter
- Onboard IEEE 1149.q JTAG emulation
- Code Composer Studio v2.12 (eZdsp version).

339877

Mftrs. List No.	Order Code	Price Each
TMDSEZD2812-0E	**509-9249**	877.34

TMS320C6713 DSP Starter Kit (DSK)

TEXAS INSTRUMENTS

The TMS320C6713 DSP Starter Kit (DSK) developed jointly with Spectrum Digital is a low-cost development platform designed to speed the development of high precision applications based on TIś TMS320C6000 floating point DSP generation. The kit uses USB communications for true plug-and-play functionality. Designers can get started immediately with innovative product designs with the DSKś full featured Code Composer Studio v2.2 IDE and eXpressDSP Software which includes DSP/BIOS and Reference Frameworks. The C6713 is

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

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based on the TMS320C6000 DSP platform designed to meet the needs of high-performing high-precision applications such as pro-audio, medical and diagnostic.

Features:

- TMS320C6713 DSP, a 225 MHz device delivering up to 1800 million instructions per second
- Embedded JTAG support via USB
- High-quality 24-bit stereo codec
- Four 3.5mm audio jacks for microphone, line in, speaker and line out
- 512K words of Flash and 8 MB SDRAM
- Expansion port connector for plug-in modules
- On-board standard IEEE JTAG interface
- +5V universal power supply
- Code Composer Studio complete Integrated Development Environment (IDE), an efficient optimizing C/C++ compiler assembler, linker, debugger, an a advanced editor.
- DSP/BIOS™ real-time kernel
- Target error recovery software
- DSK diagnostic tool

Contents:

- C6713 DSP Development Board with 512K Flash and 8MB SDRAM
- C6713 DSK Code Composer Studio™ v2.2 IDE including the Fast Simulators and access to Analysis Toolkit on Update Advisor
- Quick Start Guide, Technical Reference and Customer Support Guide
- USB Cable and Universal Power Supply
- AC Power Cords
- MATLAB from The Mathworks 30 day free evaluation

339878

Mftrs. List No.	Order Code	Price Each
TMDSDSK6713-0E	**509-9250**	839.43

SHARC DSP Micros

ANALOG DEVICES

The ADSP-21065 is a 32-bit fixed and floating point processor. It combines a DSP core with integrated on-chip instruction cache, 544Kbit SRAM memory, host processor interface, DMA controller and enhanced serial ports.

210934

	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	100+	+
21065	208	Fixed/Floating Point, 544 K-bit SRAM, DMA Controller and Serial Ports, 3.3V Operation	ADSP-21065LKSZ-240	SMD **960-3930** ●	61.32	48.00	– –

C2000, C5000, C6000

TEXAS INSTRUMENTS

C2000 DSPs give designs more processing power compared to 8, 16 and 32-bit microcontrollers and add features, easy-to-use development environment and wide ranging system flexibility with numerous peripherals.

C5000 devices provide the optimal solution for a wide range of products and sets the path for next generation communications applications.

C6000 platform provides a range of fixed and floating-point DSPs to enable developers to choose the device that best suits their specific application.

210970

Pins/Package	Description	Mftrs. List No	Order Code	Price Each 1+	25+	100+
132 PQFP	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 12 PWM outputs, 16 Channel 10 bit ADC, 3 timers, 2 Serial ports	TMS320F240PQG4	SMD **120-2013** ●	41.93	36.42	33.18
68 PLCC	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 12 PWM outputs, 16 Channel 10 bit ADC, 3 timers, 2 Serial ports	TMS320F241FN.	SMD **316-7756**	38.77	33.67	30.68
68 PLCC	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 12 PWM outputs, 16 Channel 10 bit ADC, 3 timers, 2 Serial ports	TMS320F241FN	SMD **121-2856** ●	34.57	30.02	27.36
64 PQFP	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 8 PWM outputs, 8 Channel 10 bit ADC, 3 timers, 2 Serial ports	TMS320F241PG.	SMD **316-7744**	36.28	32.11	29.26
64 PQFP	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 8 PWM outputs, 8 Channel 10 bit ADC, 3 timers, 2 Serial ports	TMS320F241PG	SMD **121-2855** ●	31.99	27.78	25.32
144 PQFP	20 MIPS, 16-bit Fixed point DSP with 8K Flash, 8 PWM outputs, 8 Channel 10 bit ADC, 2 timers, 2 Serial ports	TMS320F243PGE	SMD **120-2014** ●	36.13	31.37	28.59
64 TQFP	40 MIPS, 16-bit Fixed point DSP with 16K Flash, 8 PWM outputs, 8 channel 10-bit ADC, 2 timers, 2 Serial port, SPI/SCI/CAN module	TMS320LF2403APAGA.	SMD **509-9122**	26.10	21.81	19.34
64 TQFP	40 MIPS, 16-bit Fixed point DSP with 16K Flash, 8 PWM outputs, 8 channel 10-bit ADC, 2 timers, 2 Serial port, SPI/SCI/CAN module	TMS320LF2403APAGA	SMD **110-3122** ●	26.80	22.51	19.96
100 LQFP	40 MIPS, 16-bit Fixed point DSP with 32K Flash, 16 PWM outputs, 16 channel 10-bit ADC, 4 timers, 2 Serial port, SPI/SCI/CAN module	TMS320LF2406APZA	SMD **110-3123** ●	27.20	22.78	20.20
144 LQFP	40 MIPS, 16-bit Fixed point DSP with 32K Flash, 16 PWM outputs, 16 channel 10-bit ADC, 4 timers, 2 Serial port, SPI/SCI/CAN module, external memory interface	TMS320LF2407APGEA..	SMD **509-9146**	27.36	22.86	20.27
144 LQFP	40 MIPS, 16-bit Fixed point DSP with 32K Flash, 16 PWM outputs, 16 channel 10-bit ADC, 4 timers, 2 Serial port, SPI/SCI/CAN module, external memory interface	TMS320LF2407APGEA	SMD **110-3124** ●	28.83	24.15	21.01
144 LQFP	60MIPS, 32-bit floating point, Hi performance DSP	TMS320VC33PGE-120.	SMD **355-5951**	31.38	27.76	25.30
144 LQFP	60MIPS, 32-bit floating point, Hi performance DSP	TMS320VC33PGE-120	SMD **121-4395** ●	72.54	51.54	42.39
144 TQFP	100MIPS, 40-bit ALU, 16-bit memory fixed point advanced bus DSP	TMS320VC549PGE-100..	SMD **355-5987**	75.54	67.30	62.49
144 TQFP	100MIPS, 40-bit ALU, 16-bit memory fixed point advanced bus DSP	TMS320VC549PGE-100	SMD **121-4396** ●	82.41	74.47	69.15
144 LQFP	160 MIPS, 16-bit fixed point, low voltage with 1 timer, 3 Serial ports	TMS320VC5402APGE16	SMD **121-4440** ●	31.17	27.12	24.71
144 TQFP	100 MIPS, 16-bit fixed point, low power, low cost DSP	TMS320VC5402PGE100..	SMD **316-7770**	16.64	14.29	12.33
144 TQFP	100 MIPS, 16-bit fixed point, low power, low cost DSP	TMS320VC5402PGE100	SMD **121-4352** ●	17.53	15.15	13.06
				1+	**25+**	**100+**
16mm 288 BGA	1600 MIPS, 200MHz High Performance 32-bit fixed point DSP	TMS320C6204ZHK200	SMD **120-2018** ●	31.54	26.47	23.03
16mm 288 BGA	1600 MIPS, 200MHz High Performance 32-bit fixed point DSP	TMS320C6204ZHK200	SMD **120-2018** ●	31.54	26.47	23.03
28mm 208 TQFP	1200 MFLOPS, 200MHz High Performance 32-bit floating point DSP	TMS320C6713PYP200.	SMD **509-9225**	55.57	48.25	43.97
28mm 208 TQFP	1200 MFLOPS, 200MHz High Performance 32-bit floating point DSP	TMS320C6713BPYP200	SMD **121-4441** ●	62.21	55.43	51.47



● Compliant
● ◀ + Non-compliant
+ Limited stock - RoHS replacement available

RoHS

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General Purpose Microprocessor Support ICs

210825

Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
Baud Rate Generators									
4702 INTS	16	DIL	CMOS Programmable Baud Rate Generator, 14 baud rates, uses 2.4576MHz xtal. . .	HD3-4702-9	**390-823**▲	22.29	21.56	19.71	18.54

Real Time Clocks

MAXIM DALLAS SEMICONDUCTOR

A - Time of Day WU - Wake-up P - Periodic RC - RAM Clear STD - (HH:MM:SS)
WD - Watchdog KS - Kickstart U - Update in Progress CR - Century Register STD+hh (HH:MM:SS + hundredths)

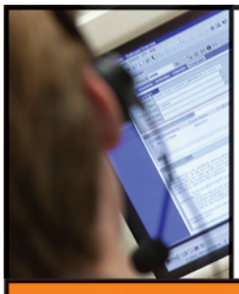
*** Y2K compatible (2 digit counter, software required to calculate century value)**
**** Y2K compliant (4 digit counter, no software intervention necessary)**

210884

Mftrs. List No.	Pins	Pkg	Type	Power Options	Clock Format	Calendar Format	User RAM (Bytes)	Interupts	Bus Type	Order Code	Price Each 1+	25+	100+	+
DS1302+*	8	DIL		3V-5V	STD	STD	31		3-wire	**118-8041**●	6.23	4.90	3.91	– –
DS1602S+*	8	SOIC		-5V	Binary	Binary	31		3-wire	SMD **118-8028**●	11.69	8.39	6.86	– –
DS1302Z+*	8	SOIC		3V-5V	STD	STD	31		3 wire	SMD **972-6314**●	6.56	4.71	3.85	– –
DS1305+*	16	DIL		3V-5V	STD	STD	96	A x 2	3 wire or SPI	**118-8068**●	9.99	7.17	5.86	– –
DS1305E+*	20	TSSOP		3V-5V	STD	STD	96	A x 2	3 wire or SPI	SMD **972-6209**●	9.99	7.17	5.86	– –
DS1307+*	8	DIL		5V	STD	STD	56	2-wire		**118-8042**●	7.38	5.30	4.33	– –
DS1307Z*	8	SOIC		5V	STD	STD	56	2-wire		SMD **787-140**▲‡	8.87	6.36	5.20	– –
DS1307Z+*	8	SOIC		5V	STD	STD	56	2-wire		SMD **972-6322**●	6.51	4.67	3.82	– –
DS1307ZN+*	8	SOIC		5V	STD	STD	56	2-wire		SMD **972-5253**●	8.20	5.89	4.82	– –
DS1302+**	8	DIL		5V	BINARY	BINARY				**118-8041**●	6.23	4.90	3.91	– –
DS1602+**	8	DIL		5V	BINARY	BINARY			3 wire	**118-8027**●	10.63	7.65	6.26	– –
DS1602S+**	8	SOIC		5V	BINARY	BINARY			3-wire	SMD **118-8028**●	11.69	8.39	6.86	– –
DS1603**	7	SIL/SIP		5V	BINARY	BINARY			3-wire	**670-819**▲	28.14	20.19	16.36	– –
DS1315-5*	16	DIL	Clocks	5V	STD+hh	STD			Phantom	**309-5757**▲	29.31	22.39	18.23	– –
DS1286*	28	DIL	Watchdog Timekeepers	5V	STD+hh	STD	50	A, WD	Parallel/ Bytewide	**403-751**▲	51.97	36.27	29.66	– –
DS12887*	24	DIL	Multiplexed	5V	STD	STD	114	A, P, U	Parallel/ Mux'ed	**703-400**▲	17.79	12.76	10.44	– –
DS12C887**	24	DIL		5V	STD	STD	114	A, P, U		**333-0047**▲	17.79	12.76	10.44	– –
DS1687-5**	24	DIL	Time Clocks	5V	STD	STD	114 + (128 SW cntrl)	WU, RC, CR		**671-009**▲‡	27.82	20.43	16.56	– –
DS1687-5+**	24	DIL	Time Clocks	5V	STD	STD	114 + (128 SW cntrl)	WU, RC, CR		**972-6241**●	18.60	13.35	10.82	– –
DS17287-5**	24	DIL		5V	STD	STD	114 + (128 SW cntrl)			**671-010**▲	29.26	20.99	17.02	– –

210792/410961

Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
68HC68 INTS	16	DIL	CMOS Real Time Clock (seconds to years) with 32 bytes RAM and Power Sense/Control. Leap year correction. 12 or 24 hour mode	CDP68HC68T1E*	**403-702**‡	22.07	19.40	16.85	14.35	– –
68HC68 INTS	16	DIL	CMOS Real Time Clock (seconds to years) with 32 bytes RAM and Power Sense/Control. Leap year correction. 12 or 24 hour mode	CDP68HC68T1EZ*	**101-8167**●	22.74	19.98	17.36	14.79	– –
68HC68 INTS	16	SOIC	CMOS Real Time Clock (seconds to years) with 32 bytes RAM and Power Sense/Control. Leap year correction. 12 or 24 hour mode.	CDP68HC68T1M2*	SMD **412-6520**▲‡	22.07	19.40	16.85	14.35	– –
68HC68 INTS	16	SOIC	CMOS Real Time Clock (seconds to years) with 32 bytes RAM and Power Sense/Control. Leap year correction. 12 or 24 hour mode.	CDP68HC68T1M2Z*	SMD **966-3797**●	19.19	17.64	15.75	14.35	– –
8563 PS	8	DIL	CMOS Real-Time Clock/Calender with Low Power Consumption and I²C-Bus Interface	PCF8563P/F4,112**	**890-6122**●	4.82	3.91	3.29	– –	– –
8563 PS	8	SOIC	CMOS Real-Time Clock/Calender with Low Power Consumption and I²C-Bus Interface	PCF8563T/F4,112**	SMD **890-6130**●	4.39	3.55	2.99	– –	– –
8583 PS	8	DIL	Clock/Calendar/Alarm (100ths of seconds to months) with a 256 x 8-bit Static RAM. I²C bus interface. 12 or 24 hour mode	PCF8583P*	**403-908**●	8.53	6.82	5.12	4.65	– –
8583 PS	8	SOIC	Clock/Calendar/Alarm (100ths of seconds to months) with a 256 x 8-bit static RAM. I²C bus interface. 12 or 24 hour mode. (Rev5 version)	PCF8583T/F5*	SMD **120-1272**●	8.79	7.03	5.27	4.79	– –
8593 PS	8	DIL	CMOS Clock/Calender (hundredths of a second to months) with I²C-Bus Interface	PCF8593P,112**	**890-6254**●	8.69	7.10	5.92	– –	– –
8593 PS	8	SOIC	CMOS Clock/Calender (hundredths of a second to months) with I²C-Bus Interface	PCF8593T/1.112**	SMD **890-6262**●	8.46	6.97	5.70	– –	– –
12887 MAX	24	DIL	##	DS12887	**703-400**▲	17.79	12.76	10.44	– –	
72421 SEIK	18	DIL	CMOS Clock/Calendar (seconds to years) with built-in quartz crystal and INTEL bus interface (120ns access time). Features low current consumption, back-up function, leap year correction, and 12 or 24 hour mode	RTC72421B*	**121-6228**●	24.62	18.67	14.94	11.62	– –
72423 SEIK	24	SOIC	CMOS Clock/Calendar (seconds to years) with built-in quartz crystal and INTEL bus interface (120ns access time). Features low current consumption, back-up function, leap year correction, and 12 or 24 hour mode	RTC72423B*	SMD **121-6229**●	33.66	24.15	18.18	13.25	– –



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210602

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
825X, 16450, 1655X											
16450	TI	40	PLCC	CMOS UART.	TL16C450FN..	SMD 597-429	5.49	4.20	3.21	2.82	– –
16450	TI	40	DIL	CMOS UART.	TL16C450N	205-552	5.63	4.31	3.29	2.89	– –
16450	STECH	40	DIL	CMOS UART.	ST16C450CP40	120-9618●	18.10	14.32	12.34	– –	– –
16550	NSC	40	DIL	CMOS UART with FIFOs	PC16550DN.	482-833‡	12.89	9.74	7.63	– –	– –
16550	NSC	40	DIL	CMOS UART with FIFOs	PC16550DN	949-0507●	12.89	9.74	7.63	– –	– –
16554	TI	68	PLCC	CMOS Quad UART with FIFOs	TL16C554FN	SMD 110-0960	16.88	14.50	12.51	11.25	– –
16C550	TI	48	PQFP	Asynchronous communications element with autoflow control	TL16C550CIPTG4	SMD 932-4330●	7.35	5.62	4.29	3.78	– –
16C550	TI	48	PQFP	Asynchronous communications element with autoflow control	TL16C550CPTG4	SMD 932-4348●	6.60	5.05	3.86	3.39	– –
16C752	TI	48	PQFP	3.3V Dual UART with 64-byte FIFO	TL16C752BPTG4	SMD 932-4356●	10.36	7.96	6.59	5.88	– –
82C50	INTS	40	DIL	CMOS Asynchronous Communications Element - 10MHz	CP82C50A-5	527-750	45.20	41.80	38.20	35.93	– –
82C50	INTS	40	DIL	CMOS Asynchronous Communications Element - 10MHz	CP82C50A-5Z	121-6115●	38.77	33.23	29.98	28.71	– –
82C54	INTS	24	DIL	CMOS Timer/Counter, 8MHz	CP82C54	559-015	10.55	9.76	8.92	8.39	– –
82C54	INTS	24	DIL	CMOS Timer/Counter, 8MHz	CP82C54Z	101-8175●	10.87	10.05	9.19	8.64	– –
82C55	INTS	44	PLCC	CMOS Programmable peripheral interface (PLCC)	CS82C55AZ	SMD 966-3533●	10.01	9.26	8.46	7.96	– –
82C55	INTS	40	DIL	CMOS Programmable Peripheral Interface, 8MHz	CP82C55A	391-189	9.78	9.04	8.27	7.77	– –
82C55	INTS	40	DIL	CMOS Programmable Peripheral Interface, 8MHz	CP82C55AZ	101-8158●	10.07	9.31	8.51	8.01	– –
82C55	INTS	40	DIL	CMOS Programmable Peripheral Interface, 5MHz	CP82C55A-5	391-190‡	7.85	7.26	6.64	6.24	– –
82C55	INTS	40	DIL	CMOS Programmable Peripheral Interface, 5MHz	CP82C55A-5Z	101-8159●	8.09	7.48	6.83	6.43	– –

Micro-Monitors

MAXIM

Microprocessor Supervisory Circuit Family Features

210622

Part Number	Nominal Reset Threshold(V)	Minimum Reset Pulse Width (ms)	Nominal Watchdog Timeout Period (sec)	Backup-Battery switch	$\overline{\text{CE}}$Write Protect	Power-Fail Comparator	Manual Reset Input	Watchdog Output	Low-Line Output	Active-High Reset	Battery-On Output
MAX690	4.65	35	1.6	✓		✓					
MAX690A	4.65	140	1.6	✓		✓					
MAX691	4.65	35/adj.	1.6/adj.	✓	✓	✓		✓	✓	✓	✓
MAX691A	4.65	140/adj.	1.6/adj.	✓	✓	✓		✓	✓	✓	✓
MAX692	4.40	35	1.6	✓		✓					
MAX692A	4.40	140	1.6	✓		✓					
MAX693	4.40	140/adj.	1.6/adj.	✓	✓/10ms	✓		✓		✓	✓
MAX695	4.65	140/adj.	1.6/adj.	✓	✓	✓		✓	✓	✓	✓
MAX696	adj.	35/adj.	1.6/adj.	✓		✓		✓	✓	✓	✓
MAX700	4.65/adj.	200	–				✓			✓	
MAX701	4.65	200	–				✓			✓	
MAX703	4.65	140	–	✓		✓	✓				
MAX704	4.40	140	–	✓		✓	✓				
MAX705	4.65	140	1.6			✓	✓	✓			
MAX707	4.65	140	–			✓	✓			✓	
MAX708	4.40	140	–			✓	✓			✓	
MAX709	4.40	140	–								
MAX791	4.65	140	1	✓	✓	✓	✓	✓	✓	✓	✓
MAX809	4.63	140	–							✓	
MAX810	4.38	140	–							✓	
MAX1232	4.50/4.75	250	0.15/0.60/1.2				✓			✓	

230230

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
61	TOR	3	SOT-23	Ultra low power 2.7V Voltage detector, CMOS output	XC61CN2702MRN	SMD 110-6652●	1.41	1.20	– –	– –	– –
61	TOR	3	SOT-23	Ultra low power 2.7V Voltage detector, CMOS output	XC61CN4502MRN	SMD 110-6653●	1.41	1.17	1.05	– –	– –
61	TOR	3	SOT-23	Ultra low power 3.0V Voltage detector, CMOS output	XC61FN2712MRN	SMD 110-6654●	1.58	1.35	1.20	– –	– –
61	TOR	3	SOT-23	Ultra low power 3.0V Voltage detector, CMOS output	XC61CC2702MR	SMD 360-5449●	1.41	1.17	1.05	– –	– –
61	TOR	4	SSOT-24	Ultra low power 2.0V Voltage detector, Open Drain output	XC61CC2702NR	SMD 360-5450●	1.41	1.17	1.05	– –	– –
61	TOR	3	SOT-23	Ultra low power 2.0V Voltage detector, Open Drain output	XC61CC3002MR	SMD 360-5462●	1.41	1.17	1.05	– –	– –
61	TOR	4	SSOT-24	Ultra low power 2.7V Voltage detector, Open Drain output	XC61CC3002NR	SMD 360-5474●	1.41	1.17	1.05	– –	– –
61	TOR	3	SOT-23	Ultra low power 2.7V Voltage detector, Open Drain output	XC61CN2002MR	SMD 360-5486●	1.41	1.17	1.05	– –	– –
61	TOR	4	SSOT-24	Ultra low power 2.7V Voltage detector, Open Drain output	XC61CN2002NR	SMD 360-5498●	1.41	1.17	1.05	– –	– –
61	TOR	3	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	XC61CN2702MR	SMD 360-5504	1.41	1.20	– –	– –	– –
61	TOR	4	SSOT-24	Ultra low power 4.5V Voltage detector, Open Drain output	XC61CN2702NR	SMD 360-5516●	1.41	1.17	1.05	– –	– –
61	TOR	3	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	XC61CN4502MR	SMD 360-5528	1.41	1.17	1.05	– –	– –
61	TOR	4	SSOT-24	Ultra low power 2.7V Reset, output delay, CMOS output	XC61CN4502NR	SMD 360-5530●	1.41	1.17	1.05	– –	– –
61	TOR	3	SOT-23	Ultra low power 4.5V Reset, output delay, CMOS output	XC61FC2712MR	SMD 360-5541●	1.58	1.35	1.20	– –	– –
61	TOR	3	SOT-23	Ultra low power 2.7V Reset, output delay, Open Drain output	XC61FC4512MR	SMD 360-5553●	1.58	1.35	1.20	– –	– –
61	TOR	3	SOT-23	Ultra low power 4.5V Reset, output delay, Open Drain output	XC61FN4512MR	SMD 360-5577●	1.58	1.35	1.20	– –	– –
330	ZET	3	TO-92	Supply Voltage Monitor with reset low, 3.1V threshold	ZSM330C	113-2698●	2.53	1.90	1.26	1.01	– –
330	ZET	3	SOT-223	Supply Voltage Monitor with reset low, 3.1V threshold	ZSM330GTA	SMD 113-2699●	3.11	2.33	1.56	1.24	– –
330	ZET	3	TO-92	Supply Voltage Monitor with reset low, 3.1V threshold	ZSM330C.	302-3965▲	2.53	1.90	1.26	1.01	– –
330	ZET	3	SOT-223	Supply Voltage Monitor with reset low, 3.1V threshold	ZSM330GTA.	SMD 302-3977▲	3.11	2.33	1.56	1.24	– –
530	ZET	3	TO-92	Supply Voltage Monitor with reset low, 4.3V threshold	ZSM530C	113-2700●	2.53	1.90	1.26	1.01	– –
530	ZET	3	SOT-223	Supply Voltage Monitor with reset low, 4.3V threshold	ZSM530GTA	SMD 113-2701●	3.11	2.33	1.56	1.24	– –
530	ZET	3	TO-92	Supply Voltage Monitor with reset low, 4.3V threshold	ZSM530C.	302-3989▲	2.53	1.90	1.26	1.01	– –
530	ZET	3	SOT-223	Supply Voltage Monitor with reset low, 4.3V threshold	ZSM530GTA.	SMD 302-3990▲	3.11	2.33	1.56	1.24	– –
560	ZET	3	TO-92	Ultra low power 2.7V Voltage detector, CMOS output	ZSM560C.	562-476▲	2.53	1.90	1.26	1.01	– –
560	ZET	3	SOT-223	Ultra low power 2.7V Voltage detector, CMOS output	ZSM560GTA	SMD 113-2703●	3.11	2.33	1.56	1.24	– –
560	ZET	3	TO-92	Ultra low power 3.0V Voltage detector, CMOS output	ZSM560C	113-2768●	2.53	1.90	1.26	1.01	– –
560	ZET	3	SOT-223	Ultra low power 3.0V Voltage detector, CMOS output	ZSM560GTA.	SMD 302-4003	3.11	2.33	1.56	1.24	– –
690	MAX	8	SOIC	Ultra low power 2.0V Voltage detector, Open Drain output	MAX690AESA	SMD 304-9061▲‡	8.04	6.31	5.04	– –	– –
690	MAX	8	DIL	Ultra low power 2.0V Voltage detector, Open Drain output	MAX690CPA+	972-3765●	7.14	5.61	4.49	– –	– –
690	MAX	8	DIL	Ultra low power 2.7V Voltage detector, Open Drain output	MAX690ACPA+	972-3781●	7.21	5.66	4.53	– –	– –
690	MAX	8	SOIC	Ultra low power 2.7V Voltage detector, Open Drain output	MAX690AESA+	SMD 972-4125●	8.04	6.31	5.04	– –	– –
690	MAX	8	DIL	Ultra low power 2.7V Voltage detector, Open Drain output	MAX690EPA+	972-4133●	8.49	6.67	5.33	– –	– –
690	MAX	8	DIL	Ultra low power 4.5V Voltage detector, Open Drain output	MAX690AEPA+	972-4168●	8.04	6.31	5.04	– –	– –
690	MAX	8	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	MAX690ACSA+	SMD 972-5938●	7.21	5.66	4.53	– –	– –
691	MAX	16	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	MAX691CWE	SMD 304-9231▲‡	8.49	6.67	5.33	– –	– –

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
691	MAX	16	SOIC	Ultra low power 2.7V Reset, output delay, CMOS output	MAX691AESE	SMD 304-9255▲‡	9.76	7.67	6.13	– –	– –
691	MAX	16	DIL	Ultra low power 4.5V Reset, output delay, CMOS output	MAX691ACPE+	972-3790●	8.17	6.41	5.13	– –	– –
691	MAX	16	SOIC	Ultra low power 2.7V Reset, output delay, Open Drain output	MAX691AEWE+	SMD 972-4141●	10.21	8.02	6.41	– –	– –
691	MAX	16	SOIC	Ultra low power 4.5V Reset, output delay, Open Drain output	MAX691ACWE+	SMD 972-4150●	8.10	6.36	5.09	– –	– –
691	MAX	16	DIL	Microprocessor Supervisory Circuit	MAX691EPE+	972-4176●	10.21	8.02	6.41	– –	– –
691	MAX	16	SOIC	Microprocessor Supervisory Circuit (IND TEMP)	MAX691CWE+	SMD 972-4184●	8.49	6.67	5.33	– –	– –
691	MAX	16	SOIC	Microprocessor Supervisory Circuit (IND TEMP)	MAX691AESE+	SMD 972-4192●	9.76	7.67	6.13	– –	– –
691	MAX	16	SOIC	Microprocessor Supervisory Circuit (IND TEMP)	MAX691AEWE+	SMD 972-4206●	9.76	7.67	6.13	– –	– –
691	MAX	16	DIL	Microprocessor Supervisory Circuit	MAX691CPE+	972-5199●	8.42	6.62	5.29	– –	– –
691	MAX	16	SOIC	Microprocessor Supervisory Circuit	MAX691ACSE+	SMD 972-5946●	8.17	6.41	5.13	– –	– –
692	MAX	8	DIL	Microprocessor Supervisory Circuit (MAX692CPA Upgrade)	MAX692ACPA+	118-8017●	10.85	8.52	6.81	– –	– –
692	MAX	8	SOIC	Microprocessor Supervisory Circuit	MAX692ACSA+	SMD 972-4214●	11.36	8.92	7.13	– –	– –
692	MAX	8	DIL	Ultra low power 2.7V Voltage detector, CMOS output	MAX692CPA+	972-6098●	11.48	9.02	7.21	– –	– –
693	MAX	16	DIL	Ultra low power 2.7V Voltage detector, CMOS output	MAX693CPE+	118-7970●	14.42	11.33	9.05	– –	– –
695	MAX	16	DIL	Ultra low power 3.0V Voltage detector, CMOS output	MAX695CPE+	118-8040●	12.12	9.52	7.61	– –	– –
695	LT	16	DIL	Ultra low power 3.0V Voltage detector, CMOS output	LTC695CN	386-2690▲	14.71	9.37	7.60	– –	– –
695	LT	16	DIL	Ultra low power 2.0V Voltage detector, Open Drain output	LTC695CN#PBF	956-1412●	14.71	9.37	7.60	– –	– –
695	MAX	16	SOIC	Ultra low power 2.0V Voltage detector, Open Drain output	MAX695CWE+	SMD 972-4222●	13.65	10.72	8.57	– –	– –
696	MAX	16	SOIC	Ultra low power 2.7V Voltage detector, Open Drain output	MAX696CWE+	SMD 972-5016●	17.61	13.83	10.95	– –	– –
700	MAX	8	SOIC	Ultra low power 2.7V Voltage detector, Open Drain output	MAX700CSA	SMD 788-946▲‡	8.61	6.76	5.41	– –	– –
700	MAX	8	DIL	Ultra low power 2.7V Voltage detector, Open Drain output	MAX700CPA+	118-7927●	8.42	6.62	5.29	– –	– –
700	MAX	8	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	MAX700ESA	SMD 305-2047▲‡	13.74	10.51	8.06	– –	– –
700	MAX	8	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	MAX700ESA+	SMD 972-4656●	11.10	8.72	6.97	– –	– –
700	MAX	8	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	MAX700CSA+	SMD 972-6381●	8.61	6.76	5.41	– –	– –
701	MAX	8	SOIC	Ultra low power 2.7V Reset, output delay, CMOS output	MAX701CSA+	SMD 972-4648●	7.72	6.06	4.85	– –	– –
702	MAX	8	DIL	Ultra low power 4.5V Reset, output delay, CMOS output	MAX702CPA+	118-8018●	8.29	6.51	5.21	– –	– –
703	MAX	8	DIL	Ultra low power 2.7V Reset, output delay, Open Drain output	MAX703CPA+	972-4265●	10.91	8.57	6.85	– –	– –
703	MAX	8	SOIC	Ultra low power 4.5V Reset, output delay, Open Drain output	MAX703CSA+	SMD 972-4273●	10.91	8.57	6.85	– –	– –
704	MAX	8	SOIC	Microprocessor Supervisory Circuit	MAX704CSA+	SMD 972-4281●	10.91	8.57	6.85	– –	– –
705	MAX	8	SOIC	Microprocessor Supervisory Circuit (IND TEMP)	MAX705ESA+	SMD 972-4230●	12.70	9.97	7.97	– –	– –
705	MAX	8	DIL	Microprocessor Supervisory Circuit	MAX705CPA+	972-6004●	9.76	7.67	6.13	– –	– –
705	MAX	8	SOIC	Microprocessor Supervisory Circuit	MAX705CSA+	SMD 972-6012●	9.76	7.67	6.13	– –	– –
706	MAX	8	SOIC	Microprocessor Supervisory Circuit (Watchdog Timer, Active Low Reset Output, Manual Reset Input and Voltage Monitor for Power Fail or Low Battery Warning. Reset 4.40V)	MAX706CSA	SMD 788-958▲‡	9.76	7.67	6.13	– –	– –
706	MAX	8	SOIC	Microprocessor Supervisory Circuit (Watchdog Timer, Active Low Reset Output, Manual Reset Input and Voltage Monitor for Power Fail or Low Battery Warning. Reset 4.40V)	MAX706CSA+	SMD 972-6390●	9.76	7.67	6.13	– –	– –
707	MAX	8	DIL	Microprocessor Supervisory Circuit	MAX707CPA+	118-8005●	8.29	6.51	5.21	– –	– –
707	MAX	8	SOIC	Microprocessor Supervisory Circuit	MAX707CSA+	SMD 972-4249●	8.80	6.91	5.53	– –	– –
707	MAX	8	SOIC	Ultra low power 2.7V Voltage detector, CMOS output	MAX707ESA+	SMD 972-4290●	11.42	8.97	7.17	– –	– –
708	MAX	8	DIL	Ultra low power 2.7V Voltage detector, CMOS output	MAX708CPA	641-868▲‡	8.80	6.91	5.53	– –	– –
708	MAX	8	SOIC	Ultra low power 3.0V Voltage detector, CMOS output	MAX708CSA+	SMD 972-4257●	8.80	6.91	5.53	– –	– –
708	MAX	8	DIL	Ultra low power 3.0V Voltage detector, CMOS output	MAX708CPA+	972-6101●	8.80	6.91	5.53	– –	– –
709	MAX	8	SOIC	Ultra low power 2.0V Voltage detector, Open Drain output	MAX709LCSA	SMD 639-126▲‡	4.79	3.76	3.00	– –	– –
709	MAX	8	DIL	Ultra low power 2.0V Voltage detector, Open Drain output	MAX709LCPA+	118-8004●	4.66	3.66	2.93	– –	– –
709	MAX	8	SOIC	Ultra low power 2.7V Voltage detector, Open Drain output	MAX709MCSA+	SMD 972-4630●	4.72	3.71	2.96	– –	– –
709	MAX	8	SOIC	Ultra low power 2.7V Voltage detector, Open Drain output	MAX709LCSA+	SMD 972-5997●	4.79	3.76	3.00	– –	– –
791	MAX	16	SOIC	Ultra low power 2.7V Voltage detector, Open Drain output	MAX791CSE+	SMD 972-4303●	14.10	11.07	8.85	– –	– –
807	MAX	16	DIL	Ultra low power 4.5V Voltage detector, Open Drain output	MAX807LCPE	794-570▲	14.87	11.68	9.34	– –	– –
807	MAX	16	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	MAX807LCWE+	SMD 972-5750●	17.56	13.79	10.92	– –	– –
809	MAX	3	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	MAX809JEUR+T	SMD 118-7957●	6.25	4.91	3.93	– –	– –
809	MAX	3	SOT-23	Ultra low power 2.7V Reset, output delay, CMOS output	MAX809REUR+T	SMD 118-7959●	6.25	4.91	3.93	– –	– –
809	MAX	3	SOT-23	Ultra low power 4.5V Reset, output delay, CMOS output	MAX809SEUR+T	SMD 118-8029●	2.81	2.21	1.77	– –	– –
809	MAX	3	SOT-23	Ultra low power 2.7V Reset, output delay, Open Drain output	MAX809LEUR+T	SMD 118-8059●	3.45	2.71	2.16	– –	– –
809	MCHIP3		SC-70	Ultra low power 4.5V Reset, output delay, Open Drain output	TCM809RVLB713	SMD 121-2922●	0.63	0.55	0.51	– –	– –
809	MAX	3	SOT-23	Microprocessor Supervisory Circuit (IND TEMP)	MAX809MEUR	SMD 304-9826▲‡	3.64	2.86	2.28	– –	– –
809	NSC	3	SOT-23	Microprocessor Supervisory Circuit, Active-Low Reset Output, 4.00V Reset level. 15µA supply	LM809M3-4.00.	SMD 332-6755‡	1.49	1.03	0.74	– –	– –
809	MCHIP3		SC-70	Microcontroller Supervisory Circuit with Active-Low Reset, 2.63V threshold (Automotive TEMP)	TCM809RVLB713.	SMD 396-9083	0.63	0.55	0.51	– –	– –
809	MAX	3	SOT-23	Microprocessor Supervisory Circuit with Active Low reset output, 3.08V threshold (IND TEMP)	MAX809TEUR	SMD 490-5179‡	3.83	3.01	2.40	– –	– –
809	TS	3	SOT-23	Microprocessor Reset Circuit	TS809CXA	SMD 726-1080●	1.53	1.24	0.94	– –	– –
809	TS	3	SOT-23	Microprocessor Reset Circuit	TS809CXD	SMD 726-1098●	1.53	1.24	0.94	– –	– –
809	CAT	3	SOT-23	Microprocessor Power Supply Supervisor	CAT809STBI-T	SMD 880-3153●	1.24	1.07	0.88	– –	– –
809	CAT	3	SOT-23	Microprocessor Power Supply Supervisor	CAT809TTBI-T	SMD 880-3196●	1.24	1.07	0.88	– –	– –
809	CAT	3	SOT-23	Ultra low power 2.7V Voltage detector, CMOS output	CAT809SZDI-T	SMD 880-3200●	1.24	1.07	0.88	– –	– –
809	CAT	3	SOT-23	Ultra low power 2.7V Voltage detector, CMOS output	CAT809JTBI-T	SMD 880-3218●	1.24	1.07	0.88	– –	– –
809	CAT	3	SOT-23	Ultra low power 3.0V Voltage detector, CMOS output	CAT809LTBI-T	SMD 880-3226●	1.24	1.07	0.88	– –	– –
809	MAX	3	SOT-23	Ultra low power 3.0V Voltage detector, CMOS output	MAX809MEUR+	SMD 972-4311●	3.64	2.86	2.28	– –	– –
809	MAX	3	SOT-23	Ultra low power 2.0V Voltage detector, Open Drain output	MAX809TEUR+	SMD 972-5768●	2.91	2.29	1.83	– –	– –
809	MCHIP3		SOT-23B	Ultra low power 2.0V Voltage detector, Open Drain output	TCM809LENB713	SMD 976-2744●	0.63	0.55	0.51	– –	– –
809	MCHIP3		SOT-23B	Ultra low power 2.7V Voltage detector, Open Drain output	TCM809RENB713	SMD 976-2752●	0.63	0.55	0.51	– –	– –
809	MCHIP3		SOT-23B	Ultra low power 2.7V Voltage detector, Open Drain output	TCM809SENB713	SMD 976-2760●	0.63	0.55	0.51	– –	– –
809	MCHIP3		SOT-23B	Ultra low power 2.7V Voltage detector, Open Drain output	TCM809TENB713	SMD 976-2779●	0.63	0.55	0.51	– –	– –
809	MCHIP3		SC-70	Ultra low power 4.5V Voltage detector, Open Drain output	TCM809ZVLB713	SMD 976-2787●	0.63	0.55	0.51	– –	– –
809	NSC	3	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	LM809M3-4.00	SMD 977-8632●	1.49	1.03	0.74	– –	– –
809	NSC	3	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	LM809M3-4.63	SMD 977-8640●	1.49	1.03	0.74	– –	– –
810	MAX	3	SOT-23	Ultra low power 2.7V Reset, output delay, CMOS output	MAX810SEUR+T	SMD 118-8030●	3.42	2.71	2.16	– –	– –
810	MAX	3	SOT-23	Ultra low power 4.5V Reset, output delay, CMOS output	MAX810LEUR	SMD 304-9851▲‡	3.64	2.86	2.28	– –	– –
810	NSC	3	SOT-23	Ultra low power 2.7V Reset, output delay, Open Drain output	LM810M3-4.00.	SMD 332-6792‡	1.49	1.03	0.74	– –	– –
810	NSC	3	SOT-23	Ultra low power 4.5V Reset, output delay, Open Drain output	LM810M3-4.63.	SMD 332-6809‡	1.49	1.03	0.74	– –	– –
810	MAX	3	SOT-23	Microprocessor Supervisory Circuit (IND TEMP)	MAX810LEUR+	SMD 972-4320●	3.64	2.86	2.28	– –	– –
810	NSC	3	SOT-23	Microprocessor Supervisory Circuit, Active-High Reset Output, 4.00V Reset level. 15µA supply	LM810M3-4.00	SMD 977-8675●	1.49	1.03	0.74	– –	– –
810	NSC	3	SOT-23	Microprocessor Supervisory Circuit, Active-High Reset Output, 4.63V Reset level. 15µA supply	LM810M3-4.63	SMD 977-8683●	1.49	1.03	0.74	– –	– –
811	MCHIP4		SOT-143	Microcontroller Reset Monitor (4.63V)	TCM811LERCTR	SMD 113-7328●	0.96	0.75	0.67	– –	– –
811	MCHIP4		SOT-143	Microcontroller Reset Monitor (3.08V)	TCM811TERCTR	SMD 113-7329●	0.96	0.75	0.67	– –	– –
811	MAX	4	SOT-143	Microprocessor Supervisory Circuit with active low reset and manual reset output, 4.38V threshold (IND TEMP)	MAX811MEUS+T	SMD 118-7961●	6.95	5.32	4.08	– –	– –
811	MAX	4	SOT-143	Microprocessor Supervisory Circuit with Manual Reset Input	MAX811SEUS+T	SMD 118-8048●	3.51	2.75	2.20	– –	– –
811	MAX	4	SOT-143	Microprocessor Supervisory Circuit with Active-Low Manual Reset Output and 4.63V threshold (IND TEMP)	MAX811LEUS+T	SMD 118-8060●	3.51	2.75	2.20	– –	– –
811	MCHIP4		SOT-143	Ultra low power 2.7V Voltage detector, CMOS output	TCM811SERCTR	SMD 119-6806●	0.96	0.75	0.67	– –	– –
811	MCHIP4		SOT-143	Ultra low power 2.7V Voltage detector, CMOS output	TCM811LERCTR.	SMD 396-9125	0.96	0.75	0.67	– –	– –
811	MCHIP4		SOT-143	Ultra low power 3.0V Voltage detector, CMOS output	TCM811TERCTR.	SMD 396-9149	0.96	0.75	0.67	– –	– –
813	MAX	8	DIL	Ultra low power 3.0V Voltage detector, CMOS output	MAX813LCPA+	118-8055●	6.70	5.26	4.21	– –	– –
823	MAX	5	SOT-23	Ultra low power 2.0V Voltage detector, Open Drain output	MAX823MEUK+T	SMD 118-7962●	6.25	4.91	3.93	– –	– –
823	MAX	5	SOT-23	Ultra low power 2.0V Voltage detector, Open Drain output	MAX823SEUK+T	SMD 118-7963●	6.95	5.32	4.08	– –	– –
823	MAX	5	SOT-23	Ultra low power 2.7V Voltage detector, Open Drain output	MAX823LEUK+T	SMD 118-8047●	4.46	3.51	2.80	– –	– –
823	MAX	5	SOT-23	Ultra low power 2.7V Voltage detector, Open Drain output	MAX823TEUK	SMD 490-5209▲‡	5.27	3.97	3.74	– –	– –
823	MAX	5	SOT-23	Ultra low power 2.7V Voltage detector, Open Drain output	MAX823TEUK+	SMD 972-5784●	4.66	3.66	2.93	– –	– –
824	MAX	5	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	MAX824LEUK+T	SMD 118-7964●	6.25	4.91	3.93	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
825	MAX	5	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	MAX825LEUK+T	SMD 118-7965 ●	6.95	5.32	4.08	– –	– –
831	ST	3	TO-92	Ultra low power 4.5V Voltage detector, Open Drain output	TS831-4IZ	109-4383 ●	2.27	1.81	1.59	1.36	– –
831	ST	3	TO-92	Ultra low power 2.7V Reset, output delay, CMOS output	TS831-5IZ	109-4384 ●	2.24	1.80	1.57	1.35	– –
831	ST	8	SOIC	Ultra low power 4.5V Reset, output delay, CMOS output	TS831-4ID.	SMD 302-5068 ▲‡	2.20	1.76	1.54	1.32	– –
831	ST	8	SOIC	Ultra low power 2.7V Reset, output delay, Open Drain output	TS831-5ID	SMD 302-5093 ▲	2.20	1.76	1.54	1.32	– –
831	ST	8	SOIC	Ultra low power 4.5V Reset, output delay, Open Drain output	TS831-4ID	SMD 975-5381 ●	2.20	1.76	1.54	1.32	– –
834	MAX	5	SOT-23	Micropower, voltage monitor with 1.204V bandgap reference, comparator and latched output	MAX834EUK+	SMD 972-3960 ●	4.66	3.66	2.93	– –	– –
836	MAX	4	SOT-143	Micropower, voltage monitor with 1.204V bandgap reference and comparator	MAX836EUS	SMD 301-2402 ▲‡	3.51	2.75	2.20	– –	– –
836	MAX	4	SOT-143	Micropower, voltage monitor with 1.204V bandgap reference and comparator	MAX836EUS+	SMD 972-3978 ●	3.51	2.75	2.20	– –	– –
1231	MAX	8	DIL	Power Monitor which detects out-of-tolerance power supply conditions by means of a precise temperature compensated reference circuit and warns processor based systems of impending power failure.	DS1231-20	391-372 ▲	16.01	12.98	10.37	– –	– –
1231	MAX	8	DIL	Power Monitor which detects out-of-tolerance power supply conditions by means of a precise temperature compensated reference circuit and warns processor based systems of impending power failure.	DS1231-20+	122-4205 ●	16.01	11.49	9.40	– –	– –
1232	ADI	8	DIL	Microprocessor Supervisory Circuit (as MAX1232)	ADM1232ANZ	107-9315 ●	2.76	1.83	– –	– –	– –
1232	MAX	8	DIL	CMOS Micro-Monitor with power fail, push-button override and watchdog features. Can halt and restart an out-of-control processor.	DS1232+	118-7974 ●	9.22	6.62	5.58	– –	– –
1232	MAX	8	DIL	Low Power DS1232.	DS1232LP+	118-7997 ●	4.29	3.37	2.69	– –	– –
1232	MAX	8	DIL	Low Power CMOS Micro-Monitor (IND TEMP)	MAX1232EPA	353-4005 ▲‡	9.69	7.61	6.09	– –	– –
1232	LT	8	DIL	Microprocessor Supervisory Circuit	LTC1232CN8.#PBF	956-0939 ●	6.37	4.08	3.32	– –	– –
1232	MAX	8	DIL	Ultra low power 2.7V Voltage detector, CMOS output	MAX1232CPA+	972-3757 ●	6.67	5.24	4.19	– –	– –
1232	MAX	8	SOIC	Ultra low power 2.7V Voltage detector, CMOS output	MAX1232ESA+	SMD 972-4664 ●	8.67	6.81	5.44	– –	– –
1232	MAX	8	SOIC	Ultra low power 3.0V Voltage detector, CMOS output	DS1232LPS-2+	SMD 972-4877 ●	4.44	3.49	2.79	– –	– –
1232	MAX	8	DIL	Ultra low power 3.0V Voltage detector, CMOS output	MAX1232EPA+	972-4885 ●	8.83	6.93	5.54	– –	– –
1232	MAX	8	SOIC	Ultra low power 2.0V Voltage detector, Open Drain output	MAX1232CSA+	SMD 972-5903 ●	6.67	5.24	4.19	– –	– –
1233	MAX	3	TO-92	Ultra low power 2.0V Voltage detector, Open Drain output	DS1233M-5	795-859 ▲	2.63	2.06	1.65	– –	– –
1233	MAX	3	TO-92	Ultra low power 2.7V Voltage detector, Open Drain output	DS1233-10	490-4539 ▲	2.79	2.19	1.75	– –	– –
1233	MAX	3	TO-92	Ultra low power 2.7V Voltage detector, Open Drain output	DS1233-5+	972-5881 ●	2.72	2.14	1.71	– –	– –
1233	MAX	3	TO-92	Ultra low power 2.7V Voltage detector, Open Drain output	DS1233A-10+	972-6454 ●	2.52	1.98	1.58	– –	– –
1236	MAX	16	DIL	Ultra low power 4.5V Voltage detector, Open Drain output	DS1236-10	391-396 ▲	19.82	15.56	12.32	– –	– –
1707	MAX	8	DIL	Ultra low power 4.5V Voltage detector, Open Drain output	DS1707EPA+	118-8067 ●	4.44	3.49	2.79	– –	– –
1810	MAX	3	TO-92	Ultra low power 4.5V Voltage detector, Open Drain output	DS1810-10	795-896 ▲‡	2.81	2.20	1.76	– –	– –
1810	MAX	3	TO-92	Ultra low power 2.7V Reset, output delay, CMOS output	DS1810-10+	972-6462 ●	2.25	1.77	1.41	– –	– –
1810	MAX	3	SOT-23	Ultra low power 4.5V Reset, output delay, CMOS output	DS1810R-10+	SMD 972-6470 ●	2.81	2.20	1.76	– –	– –
1811	MAX	3	SOT-23	Ultra low power 2.7V Reset, output delay, Open Drain output	DS1811R-10	SMD 670-637 ▲‡	2.17	1.70	1.36	– –	– –
1811	MAX	3	SOT-23	Ultra low power 4.5V Reset, output delay, Open Drain output	DS1811R-10+	SMD 972-6136 ●	2.17	1.70	1.36	– –	– –
1812	MAX	3	TO-92	Microprocessor Supervisory Circuit with power-on reset to allow system power and processor to stabilise, output intended for systems that require active high reset, 5V	DS1812-10	670-649 ▲‡	2.81	2.20	1.76	– –	– –
1812	MAX	3	TO-92	Microprocessor Supervisory Circuit with power-on reset to allow system power and processor to stabilise, output intended for systems that require active high reset, 5V	DS1812-10+	972-6144 ●	2.09	1.64	1.31	– –	– –
1812	MAX	3	SOT-23	Microprocessor Supervisory Circuit with power-on reset to allow system power and processor to stabilise, output intended for systems that require active high reset, 5V	DS1812R-10+	SMD 972-6152 ●	2.17	1.70	1.36	– –	– –
1813	MAX	3	SOT-23	Microprocessor Supervisory Circuit with power-on reset to allow system power and processor to stabilise, output pulled up with internal resistor, reset line internally debounced for pushbutton implementation, 5V±5%	DS1813R-15	SMD 344-1301 ▲‡	2.29	1.80	1.44	– –	– –
1813	MAX	3	SOT-23	Microprocessor Supervisory Circuit with power-on reset to allow system power and processor to stabilise, output pulled up with internal resistor, reset line internally debounced for pushbutton implementation, 5V±5%	DS1813R-5	SMD 344-1313 ▲‡	1.79	1.41	1.12	– –	– –
1813	MAX	3	SOT-23	Microprocessor Supervisory Circuit with power-on reset to allow system power and processor to stabilise, output pulled up with internal resistor, reset line internally debounced for pushbutton implementation, 5V±5%	DS1813R-15+	SMD 972-4818 ●	2.29	1.80	1.44	– –	– –
1813	MAX	3	SOT-23	Microprocessor Supervisory Circuit with power-on reset to allow system power and processor to stabilise, output pulled up with internal resistor, reset line internally debounced for pushbutton implementation, 5V±5%	DS1813R-5+	SMD 972-4826 ●	1.79	1.41	1.12	– –	– –
1813	MAX	3	SOT-23	Microprocessor Supervisory Circuit with power-on reset to allow system power and processor to stabilise, output pulled up with internal resistor, reset line internally debounced for pushbutton implementation, 5V	DS1813R-10+	SMD 972-6160 ●	2.17	1.70	1.36	– –	– –
1813	MAX	3	TO-92	Ultra low power 2.7V Voltage detector, CMOS output	DS1813-10+	972-6179 ●	2.17	1.70	1.36	– –	– –
1818	MAX	3	SOT-23	Ultra low power 2.7V Voltage detector, CMOS output	DS1818R-10+	SMD 972-4796 ●	1.79	1.41	1.12	– –	– –
1818	MAX	3	SOT-23	Ultra low power 3.0V Voltage detector, CMOS output	DS1818R-5+	SMD 972-4800 ●	2.25	1.80	1.44	– –	– –
1832	MAX	8	DIL	Ultra low power 3.0V Voltage detector, CMOS output	DS1832	300-1325 ▲	4.29	3.37	2.69	– –	– –
1832	MAX	8	SOIC	Ultra low power 2.0V Voltage detector, Open Drain output	DS1832S	SMD 300-1337 ▲‡	10.27	8.07	6.45	– –	– –
1832	MAX	8	SOIC	Ultra low power 2.0V Voltage detector, Open Drain output	DS1832S+	SMD 972-3854 ●	3.70	2.91	2.32	– –	– –
1833	MAX	3	TO-92	Ultra low power 2.7V Voltage detector, Open Drain output	DS1833-10	300-1349 ▲	3.41	2.68	2.14	– –	– –
1833	MAX	3	TO-92	Ultra low power 2.7V Voltage detector, Open Drain output	DS1833-5	300-1374 ▲	3.41	2.68	2.14	– –	– –
1834	MAX	8	DIL	Ultra low power 2.7V Voltage detector, Open Drain output	DS1834AS+	972-3846 ●	4.73	3.71	2.97	– –	– –
3103	TI	6	SOP	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3103K33DBVT	SMD 845-7018 ●	4.40	3.37	2.48	2.14	– –
3106	TI	6	SOP	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3106K33DBVT	SMD 845-7034 ●	4.40	3.37	2.48	2.14	– –
3110	TI	6	SOP	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3110K33DBVT	SMD 845-7042 ●	4.66	3.70	2.73	2.36	– –
3285	TI	24	SSOP	Ultra low power 2.7V Reset, output delay, CMOS output	BQ3285LFSS-A1	SMD 840-8050 ●	9.24	7.07	5.40	4.75	– –
3305	TI	8	SOIC	Ultra low power 4.5V Reset, output delay, CMOS output	TPS3305-18DG4	SMD 120-7320 ●	4.40	3.37	2.57	2.26	– –
3305	TI	8	SOIC	Ultra low power 2.7V Reset, output delay, Open Drain output	TPS3305-33D	SMD 845-7069 ●	4.40	3.37	2.57	2.26	– –
3306	TI	8	SOIC	Ultra low power 4.5V Reset, output delay, Open Drain output	TPS3306-18D	SMD 110-2966 ●	4.62	3.53	2.70	2.37	– –
3306	TI	8	VSSOP	TRIPLE Processor Supervisory Circuit	TPS3306-15DGKG4	SMD 120-7321 ●	4.62	3.53	2.70	2.37	– –
3306	TI	8	SOIC	Dual MPU supervisory circuit with open-drain reset and Power-fail o/ps (sense 2 level 1.8V)	TPS3306-18D.	SMD 355-6001	4.44	3.40	2.60	2.28	– –
3307	TI	8	HTSSOP	Triple Supervisory circuit (1.8V) for DSP and Processor based systems,	TPS3307-18DGN	SMD 110-0959 ●	4.62	3.53	2.70	2.37	– –
3307	TI	8	SOIC	Triple Supervisory circuit (3.3V) for DSP and Processor based systems,	TPS3307-33D	SMD 110-6064 ●	4.62	3.53	2.70	2.37	– –
3307	TI	8	SOIC	Triple Supervisory circuit (1.8V) for DSP and Processor based systems,	TPS3307-18DG4	SMD 113-5961 ●	4.62	3.53	2.70	2.37	– –
3307	TI	8	HTSSOP	Triple Supervisory circuit (2.5V) for DSP and Processor based systems,	TPS3307-25DGNG4	SMD 121-4434 ●	4.62	3.53	2.70	2.37	– –
3307	TI	8	HTSSOP	Ultra low power 2.7V Voltage detector, Open Drain output	TPS3307-33DGNG4	SMD 121-4435 ●	4.62	3.53	2.70	2.37	– –
3307	TI	8	HTSSOP	Ultra low power 2.7V Voltage detector, Open Drain output	TPS3307-18DGN.	SMD 501-2144	4.62	3.53	2.70	2.37	– –
3307	TI	8	HTSSOP	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3307-25DGN	SMD 501-2156	4.62	3.53	2.70	2.37	– –
3307	TI	8	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3307-33D.	SMD 501-2168	4.62	3.53	2.70	2.37	– –
3307	TI	8	HTSSOP	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3307-33DGN.	SMD 501-2170	4.62	3.53	2.70	2.37	– –
3307	TI	8	SOIC	Ultra low power 2.7V Reset, output delay, CMOS output	TPS3307-25D	SMD 845-7093 ●	4.62	3.53	2.70	2.37	– –
3619	TI	8	VSSOP	Ultra low power 4.5V Reset, output delay, CMOS output	TPS3619-33DGKG4	SMD 120-7322 ●	4.84	3.70	2.83	2.49	– –
3707	TI	8	SOIC	Ultra low power 2.7V Reset, output delay, Open Drain output	TPS3707-33D	SMD 845-7140 ●	3.08	2.36	1.74	1.50	– –
3722	NSC	5	SOT-23	Ultra low power 4.5V Reset, output delay, Open Drain output	LM3722IM5-3.08...	SMD 412-4972‡	3.97	2.81	2.05	– –	– –
3722	NSC	5	SOT-23	MIcroprocessor Supervisory Circuit with Active-Low Reset, push-pull output, 4.63V threshold. (IND TEMP)	LM3722IM5-4.63.	SMD 412-4984‡	3.97	2.81	2.05	– –	– –
3722	NSC	5	SOT-23	Microprocessor Supervisory Circuit with Active-Low Reset, push-pull output and 2.32V threshold (IND TEMP)	LM3722IM5-2.32	SMD 977-9000 ●	3.97	2.81	2.05	– –	– –
3722	NSC	5	SOT-23	Microprocessor Supervisory Circuit with Active-Low Reset, push-pull output, 3.08V threshold. (IND TEMP)	LM3722IM5-3.08	SMD 977-9019 ●	3.97	2.81	2.05	– –	– –
3722	NSC	5	SOT-23	MIcroprocessor Supervisory Circuit with Active-Low Reset, push-pull output, 4.63V threshold. (IND TEMP)	LM3722IM5-4.63	SMD 977-9027 ●	3.97	2.81	2.05	– –	– –
3723	NSC	5	SOT-23	Microprocessor Supervisory Circuit with Active-High Reset, push-pull output, 2.32V threshold. (IND TEMP)	LM3723IM5-2.32...	SMD 412-4996‡	3.97	2.81	2.05	– –	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3723	NSC	5	SOT-23	Microprocessor Supervisory Circuit with Active-High Reset, push-pull output, 3.08V threshold. (IND TEMP)	LM3723IM5-3.08.	SMD 412-5009‡	3.97	2.81	2.05	– –	– –
3723	NSC	5	SOT-23	Microprocessor Supervisory Circuit with Active-High Reset, 4.63V threshold. (IND TEMP)	LM3723IM5-4.63.	SMD 412-5010‡	3.97	2.81	2.05	– –	– –
3723	NSC	5	SOT-23	Microprocessor Supervisory Circuit with Active-High Reset, push-pull output, 2.32V threshold. (IND TEMP)	LM3723IM5-2.32	SMD 977-9035●	3.97	2.81	2.05	– –	– –
3723	NSC	5	SOT-23	Ultra low power 2.7V Voltage detector, CMOS output	LM3723IM5-3.08	SMD 977-9043●	3.97	2.81	2.05	– –	– –
3723	NSC	5	SOT-23	Ultra low power 2.7V Voltage detector, CMOS output	LM3723IM5-4.63	SMD 977-9051●	3.97	2.81	2.05	– –	– –
3724	NSC	5	SOT-23	Ultra low power 3.0V Voltage detector, CMOS output	LM3724IM5-2.32.	SMD 412-5022‡	3.97	2.81	2.05	– –	– –
3724	NSC	5	SOT-23	Ultra low power 3.0V Voltage detector, CMOS output	LM3724IM5-3.08.	SMD 412-5034‡	3.97	2.81	2.05	– –	– –
3724	NSC	5	SOT-23	Ultra low power 2.0V Voltage detector, Open Drain output	LM3724IM5-4.63.	SMD 412-5046‡	3.97	2.81	2.05	– –	– –
3724	NSC	5	SOT-23	Ultra low power 2.0V Voltage detector, Open Drain output	LM3724IM5-2.32	SMD 977-9060●	3.97	2.81	2.05	– –	– –
3724	NSC	5	SOT-23	Ultra low power 2.7V Voltage detector, Open Drain output	LM3724IM5-3.08	SMD 977-9078●	3.97	2.81	2.05	– –	– –
3724	NSC	5	SOT-23	Ultra low power 2.7V Voltage detector, Open Drain output	LM3724IM5-4.63	SMD 977-9086●	3.97	2.81	2.05	– –	– –
3808	TI	6	SOT-23	Ultra low power 2.7V Voltage detector, Open Drain output	TPS3808G01DBVTG4	SMD 932-4216●	3.42	2.62	1.93	1.67	– –
3809	TI	3	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3809I50DBVT	SMD 110-3059●	1.64	1.18	0.88	0.59	– –
3809	TI	3	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3809K33DBVT	SMD 110-3116●	1.64	1.18	0.88	0.59	– –
3809	TI	3	SOT-23	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3809I50DBVT.	SMD 451-3101	0.94	0.78	0.65	– –	– –
3809	TI	3	SOT-23	Ultra low power 2.7V Reset, output delay, CMOS output	TPS3809K33DBV.	SMD 501-2181	1.56	1.12	0.84	0.56	– –
3809	TI	3	SOT-23	Ultra low power 4.5V Reset, output delay, CMOS output	TPS3809I50DBVT..	SMD 845-7166●	1.64	1.18	0.88	0.59	– –
3809	TI	3	SOT-23	Ultra low power 2.7V Reset, output delay, Open Drain output	TPS3809L30DBVT	SMD 845-7174●	1.64	1.18	0.88	0.59	– –
3809	TI	3	SOT-23	Ultra low power 4.5V Reset, output delay, Open Drain output	TPS3809I50DBVTG4	SMD 932-4224●	1.64	1.18	0.88	0.59	– –
3809	TI	3	SOT-23	Supply Voltage Supervisor	TPS3809K33DBVTG4	SMD 932-4232●	1.64	1.18	0.88	0.59	– –
3813	TI	6	SOP	Supervisory Circuit with Window-Watchdog	TPS3813I50DBVT	SMD 845-7182●	4.40	3.37	2.48	2.14	– –
3813	TI	6	SOP	Supervisory Circuit with Window-Watchdog	TPS3813K33DBVT	SMD 845-7190●	4.40	3.37	2.48	2.14	– –
3813	TI	6	SOP	Supervisory Circuit with Window-Watchdog	TPS3813L30DBVT	SMD 845-7204●	4.40	3.37	2.48	2.14	– –
3820	TI	5	SOP	Supply Voltage Supervisor	TPS3820-33DBVT	SMD 845-7212●	2.69	2.06	1.51	1.31	– –
3820	TI	5	SOP	Supply Voltage Supervisor	TPS3820-50DBVT	SMD 845-7220●	2.69	2.06	1.51	1.31	– –
3825	TI	5	SOP	Ultra low power 2.7V Voltage detector, CMOS output	TPS3825-50DBVT	SMD 845-7247●	2.70	2.15	1.69	1.17	– –
3828	TI	5	SOP	Ultra low power 2.7V Voltage detector, CMOS output	TPS3828-33DBVT	SMD 845-7255●	2.69	2.06	1.51	1.31	– –
3828	TI	5	SOP	Ultra low power 2.7V Voltage detector, CMOS output	TPS3828-50DBVT	SMD 845-7263●	2.69	2.06	1.51	1.31	– –
3836	TI	5	SOP	Ultra low power 3.0V Voltage detector, CMOS output	TPS3836E18DBVT	SMD 845-7271●	4.15	3.18	2.34	2.02	– –
3836	TI	5	SOP	Ultra low power 3.0V Voltage detector, CMOS output	TPS3836H30DBVT	SMD 845-7280●	4.15	3.18	2.34	2.02	– –
3836	TI	5	SOP	Ultra low power 2.0V Voltage detector, Open Drain output	TPS3836J25DBVT	SMD 845-7298●	4.15	3.18	2.34	2.02	– –
3836	TI	5	SOP	Ultra low power 2.0V Voltage detector, Open Drain output	TPS3836K33DBVT	SMD 845-7301●	4.15	3.18	2.34	2.02	– –
3836	TI	5	SOP	Ultra low power 2.7V Voltage detector, Open Drain output	TPS3836L30DBVT	SMD 845-7310●	4.15	3.18	2.34	2.02	– –
3837	TI	5	SOP	Ultra low power 2.7V Voltage detector, Open Drain output	TPS3837K33DBVT	SMD 845-7328●	4.15	3.18	2.34	2.02	– –
3838	TI	5	SOP	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3838E18DBVT	SMD 845-7344●	4.15	3.18	2.34	2.02	– –
3838	TI	5	SOP	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3838J25DBVT	SMD 845-7352●	4.15	3.18	2.34	2.02	– –
3838	TI	5	SOP	Ultra low power 4.5V Voltage detector, Open Drain output	TPS3838K33DBVT	SMD 845-7360●	4.15	3.18	2.34	2.02	– –
3838	TI	5	SOP	Ultra low power 2.7V Reset, output delay, CMOS output	TPS3838L30DBVT	SMD 845-7379●	4.15	3.18	2.34	2.02	– –
4802	TI	28	SOIC	Ultra low power 4.5V Reset, output delay, CMOS output	BQ4802LYDW	SMD 840-8220●	9.77	7.48	6.20	5.52	– –
6301	MAX	8	DIL	Ultra low power 2.7V Reset, output delay, Open Drain output	MAX6301CPA+	118-8061●	6.70	5.26	4.21	– –	– –
6301	MAX	8	SOIC	Ultra low power 4.5V Reset, output delay, Open Drain output	MAX6301ESA+	SMD 972-5687●	7.83	6.15	4.92	– –	– –
6326	MAX	3	SOT-23	Microprocessor Supervisory Circuit with active-low push/pull Reset output, 2.93V nominal threshold	MAX6326UR29	SMD 301-2359▲‡	3.51	2.75	2.20	– –	– –
6326	MAX	3	SOT-23	Microprocessor Supervisory Circuit with active-low push/pull Reset output, 2.93V nominal threshold	MAX6326UR29+	SMD 972-3951●	3.51	2.75	2.20	– –	– –
6346	MAX	3	SOT-23	Microprocessor Supervisory Circuit with active-low push/pull Reset output, 4.63V nominal threshold	MAX6346UR46+T	SMD 118-7935●	4.08	3.21	2.56	– –	– –
7701	TI	8	SOIC	Supervisory Circuit.	TLC7701IDG4	SMD 120-7286●	3.03	2.32	1.71	1.48	– –
7702	TI	8	SOIC	Single Supply Voltage Supervisor with Programmable UV Threshold & Reset Time Delay	TL7702ACD	SMD 959-3667●	1.09	0.79	0.59	0.40	– –
7702	TI	8	SOIC	Single Supply Voltage Supervisor with Programmable UV Threshold & Reset Time Delay	TL7702AID	SMD 959-3675●	1.25	0.90	0.67	0.45	– –
7702	TI	8	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	TL7702BCD	SMD 959-3683●	1.17	0.84	0.63	0.42	– –
7705	TI	8	SOIC	Ultra low power 4.5V Voltage detector, Open Drain output	TLC7705ID	SMD 845-4663●	3.03	2.32	1.71	1.48	– –
7705	TI	8	PDIP	Ultra low power 4.5V Voltage detector, Open Drain output	TLC7705IP	845-4671●	3.03	2.32	1.71	1.48	– –
7705	TI	8	DIL	Ultra low power 2.7V Reset, output delay, CMOS output	TL7705BCPG4	958-9457●	2.01	1.60	1.26	0.87	– –
7705	TI	8	SOIC	Ultra low power 4.5V Reset, output delay, CMOS output	TL7705AID	SMD 959-3691●	1.25	0.90	0.67	0.45	– –
7705	TI	8	DIL	Ultra low power 2.7V Reset, output delay, Open Drain output	TL7705AIPG4	959-3705●	2.06	1.64	1.29	0.90	– –
7705	TI	8	SOIC	Ultra low power 4.5V Reset, output delay, Open Drain output	TL7705BCD	SMD 959-3713●	1.17	0.84	0.63	0.42	– –
7705	TI	8	SOIC	Single Supply Voltage Supervisor for 5V Systems with Programmable Time Delay	TL7705BID	SMD 959-3721●	1.41	1.01	0.76	0.51	– –
7733	TI	8	SOIC	Supervisory Circuit.	TLC7733ID	SMD 845-4680●	3.96	3.03	2.23	1.93	– –
7757	TI	3	TO-92	Supply-Voltage Supervisor And Precision Voltage Detector	TL7757CLPG4	959-3764●	2.34	1.87	1.47	1.02	– –
7757	TI	3	SOT-89	Supply-Voltage Supervisor And Precision Voltage Detector	TL7757CPKG4	SMD 959-3772●	2.80	2.18	1.60	1.39	– –
8215	MAX	14	SOIC	+/- 5V and +/-12V Microprocessor Voltage monitor.	MAX8215CSD+	SMD 972-5156●	9.83	7.72	6.17	– –	– –
8216	MAX	14	SOIC	+/- 5V and +/-15V Microprocessor Voltage monitor.	MAX8216CSD	SMD 490-5192▲‡	10.19	8.00	6.39	– –	– –
8216	MAX	14	SOIC	Ultra low power 2.7V Voltage detector, CMOS output	MAX8216CSD+	SMD 972-5776●	10.19	8.00	6.39	– –	– –
8690	ADI	8	DIL	Ultra low power 2.7V Voltage detector, CMOS output	ADM8690AN	687-601▲	7.65	6.42	– –	– –	– –
33064	ZET	3	TO-92	Ultra low power 2.7V Voltage detector, CMOS output	ZM33064C.	633-318	2.06	1.55	1.03	0.83	– –
33064	ZET	3	SOT-223	Ultra low power 3.0V Voltage detector, CMOS output	ZM33064GTA	SMD 113-2694●	2.15	1.61	1.08	0.86	– –
33064	ZET	3	TO-92	Ultra low power 3.0V Voltage detector, CMOS output	ZM33064C	113-2774●	2.07	1.55	1.04	0.83	– –
33064	ZET	3	SOT-223	Ultra low power 2.0V Voltage detector, Open Drain output	ZM33064GTA.	SMD 302-3930▲	2.15	1.61	1.08	0.86	– –
33064	ON	3	TO-92	Ultra low power 2.0V Voltage detector, Open Drain output	MC33064P-5G	966-6710●	3.48	3.15	3.00	2.76	– –
33161	ON	8	SOIC	Ultra low power 2.7V Voltage detector, Open Drain output	MC33161DG	SMD 119-2059●	5.96	3.58	2.41	– –	– –
33164	ZET	3	TO-92	Ultra low power 2.7V Voltage detector, Open Drain output	ZM33164CL.	633-320▲	2.07	1.55	1.04	0.83	– –
33164	ZET	3	TO-92	Ultra low power 4.5V Voltage detector, Open Drain output	ZM331643CL.	791-453▲	2.07	1.55	1.04	0.83	– –
33164	ZET	3	SOT-223	Ultra low power 4.5V Voltage detector, Open Drain output	ZM33164G TA	SMD 113-2695●	2.15	1.61	1.08	0.86	– –
33164	ZET	3	TO-92	Ultra low power 4.5V Voltage detector, Open Drain output	ZM33164CL	113-2776●	2.07	1.55	1.04	0.83	– –
33164	ZET	3	TO-92	Ultra low power 2.7V Reset, output delay, CMOS output	ZM331643CL	113-2793●	2.07	1.55	1.04	0.83	– –
33164	ZET	3	SOT-223	Ultra low power 4.5V Reset, output delay, CMOS output	ZM33164G TA.	SMD 302-3941▲	2.15	1.61	1.08	0.86	– –
33164	ON	3	TO-92	Ultra low power 2.7V Reset, output delay, Open Drain output	MC33164P-5G	966-6729●	1.90	1.37	1.03	0.69	– –
33164	ON	3	TO-92	Ultra low power 4.5V Reset, output delay, Open Drain output	MC33164P-3G	966-6737●	1.67	1.33	1.06	0.72	– –
34064	ON	8	SOIC	Microprocessor Reset Controller with 4.6V threshold voltage	MC34064D-005G	SMD 966-6605●	1.78	1.42	1.12	0.77	– –
34064	ON	3	TO-92	Microprocessor Reset Controller with 4.6V threshold voltage	MC34064P-5G	966-6613●	1.70	1.22	0.92	0.61	– –
54310	TI	20	TSSOP PowerPad	3V-to-6V Input, 3A Output Synchronous Buck PWM Switcher With Integrated FETS (SWIFT)	TPS54310PWPG4	SMD 932-4275●	10.34	7.91	6.04	5.31	– –
331643ZET		3	SOT-223	Supply Voltage Monitor, threshold voltage 2.68V	ZM331643GTA	SMD 113-2697●	2.15	1.61	1.08	0.86	– –
331643ZET		3	SOT-223	Supply Voltage Monitor, threshold voltage 2.68V	ZM331643GTA.	SMD 302-3953▲	2.15	1.61	1.08	0.86	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Microperipheral and Interface Products

MICROCHIP

Product Range	V_{cc}	Reset	Output	Typical T_{RPU}	Typical I_{DD}
MCP100	1.0V-5.5V	Active Low	CMOS Push-Pull	350ms	45µA
MCP101	1.0V-5.5V	Active High	CMOS Push-Pull	350ms	45µA
MCP102	1.0V-5.5V	Active Low	CMOS Push-Pull	120ms	1.75µA
MCP103	1.0V-5.5V	Active Low	CMOS Push-Pull	120ms	1.75µA
MCP111	1.0V-5.5V	Active Low	CMOS Open Drain	90µs	1µA
MCP112	1.0V-5.5V	Active Low	CMOS Open Drain	90µs	1µA
MCP120	1.0V-5.5V	Active Low	CMOS Open-Drain	350ms	45µA
MCP121	1.0V-5.5V	Active Low	CMOS Open-Drain	120ms	45µA
MCP130	1.0V-5.5V	Active Low	CMOS Open-Drain w/5kΩ Pull-Up	350ms	20µA
MCP131	1.0V-5.5V	Active Low	CMOS Open-Drain	120ms	1.75µA

Trip points for all parts:

	Min.	Max.
	2.63	2.70
	3.0	3.15
	4.25	4.50
	4.50	4.75

Note: MCP809 and MCP810 are similiar to MCP100 and MCP101, respectively, but available in 3-pin SOT-23, B bondout.

Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
MCP100-315DI/TO.	302-0710	0.63	0.53	0.49	– –	– –
MCP100-315DI/TO	121-2673●	0.63	0.53	0.49	– –	– –
MCP100-450DI/TO	975-8330●	0.63	0.53	0.49	– –	– –
MCP100-475DI/TO	108-4253●	0.63	0.53	0.49	– –	– –
MCP100-450HI/TO	975-8348●	0.63	0.53	0.49	– –	– –
MCP100-475HI/TO	975-8356●	0.63	0.53	0.49	– –	– –
MCP100T-300I/TT	SMD 975-8364●	0.63	0.53	0.49	– –	– –
MCP100T-315I/TT	SMD 108-4255●	0.63	0.53	0.49	– –	– –
MCP100T-450I/TT	SMD 975-8372●	0.63	0.53	0.49	– –	– –
MCP100T-475I/TT	SMD 975-8380●	0.63	0.53	0.49	– –	– –
MCP101-450DI/TO	975-8399●	0.63	0.53	0.49	– –	– –
MCP120T-475I/TT.	SMD 302-1026	0.82	0.71	0.65	– –	– –
MCP120T-475I/TT	SMD 113-7306●	0.82	0.71	0.65	– –	– –
MCP101-475DI/TO.	302-0848	0.63	0.53	0.49	– –	– –
MCP101-475DI/TO	113-7304●	0.63	0.53	0.49	– –	– –
MCP101-475HI/TO.	302-0873	0.63	0.53	0.49	– –	– –
MCP101-475HI/TO	121-2674●	0.63	0.53	0.49	– –	– –
MCP101T-315I/TT	SMD 975-8402●	0.63	0.53	0.49	– –	– –
MCP101T-450I/TT	SMD 975-8410●	0.63	0.53	0.49	– –	– –
MCP101T-475I/TT.	SMD 302-0903	0.63	0.53	0.49	– –	– –
MCP101T-475I/TT	SMD 113-7305●	0.63	0.53	0.49	– –	– –
MCP120T-475I/TT	SMD 113-7306●	0.82	0.71	0.65	– –	– –
MCP102T-300E/TT	SMD 875-2842●	0.91	0.69	0.63	– –	– –
MCP102T-450E/TT	SMD 875-2850●	0.91	0.69	0.63	– –	– –
MCP130-450DI/TO.	302-1075	0.82	0.67	0.61	– –	– –
MCP130-450DI/TO	113-7307●	0.82	0.67	0.61	– –	– –
MCP103T-315E/TT	SMD 875-2869●	0.91	0.69	0.63	– –	– –
MCP103T-475E/TT	SMD 875-2877●	0.91	0.69	0.63	– –	– –
MCP810T-450I/TT.	SMD 302-1257	0.82	0.71	0.65	– –	– –
MCP810T-450I/TT	SMD 113-7308●	0.82	0.71	0.65	– –	– –
MCP130-475DI/TO	119-6792●	0.82	0.67	0.61	– –	– –
MCP120-450DI/TO	975-8429●	0.82	0.71	0.65	– –	– –
MCP120-315HI/TO	121-2675●	0.82	0.71	0.65	– –	– –

The manufacturers part number notation:
e.g. MCP100-315DI/TO..... MCP100 Product range
315 denotes the maximum trip point of 3.15
D/F/G/H denotes D/F/G/H bondout, blank-non bondout type
TO denotes 3/TO-92, TT-3/SOT-23, SN-8/SOIC packages

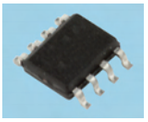
210925

Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
MCP120T-315I/TT	SMD 975-8437●	0.82	0.71	0.65	– –	– –
MCP120T-450I/TT	SMD 975-8445●	0.82	0.71	0.65	– –	– –
MCP120T-475I/TT	SMD 113-7306●	0.82	0.71	0.65	– –	– –
MCP120T-475I/TT.	SMD 302-1026	0.82	0.71	0.65	– –	– –
MCP121-450E/TO	875-2885●	0.91	0.69	0.63	– –	– –
MCP121T-475E/TT	SMD 875-2893●	0.91	0.69	0.63	– –	– –
MCP130-450DI/TO.	302-1075	0.82	0.67	0.61	– –	– –
MCP130-450DI/TO	113-7307●	0.82	0.67	0.61	– –	– –
MCP130-475DI/TO	119-6792●	0.82	0.67	0.61	– –	– –
MCP130-450FI/TO	108-4256●	0.82	0.67	0.61	– –	– –
MCP130-475FI/TO	975-8453●	0.82	0.67	0.61	– –	– –
MCP130-450HI/TO	121-2676●	0.82	0.67	0.61	– –	– –
MCP130-475HI/TO	975-8461●	0.82	0.67	0.61	– –	– –
MCP130T-315I/TT	SMD 975-8470●	0.82	0.67	0.61	– –	– –
MCP130T-450I/TT	SMD 975-8488●	0.82	0.67	0.61	– –	– –
MCP130T-475I/TT	SMD 975-8496●	0.82	0.67	0.61	– –	– –
MCP131T-450E/TT	SMD 875-2907●	0.91	0.69	0.63	– –	– –
MCP809T-270I/TT	SMD 108-4314●	0.82	0.71	0.65	– –	– –
MCP809T-315I/TT	SMD 108-4257●	0.82	0.71	0.65	– –	– –
MCP809T-450I/TT	SMD 975-8747●	0.82	0.71	0.65	– –	– –
MCP809T-475I/TT	SMD 975-8755●	0.82	0.71	0.65	– –	– –
MCP810T-315I/TT.	SMD 302-1245	0.82	0.71	0.65	– –	– –
MCP810T-315I/TT	SMD 121-2677●	0.82	0.71	0.65	– –	– –
MCP810T-450I/TT.	SMD 302-1257	0.82	0.71	0.65	– –	– –
MCP810T-450I/TT	SMD 113-7308●	0.82	0.71	0.65	– –	– –
MCP810T-475I/TT.	SMD 302-1269	0.82	0.71	0.65	– –	– –
MCP810T-475I/TT	SMD 121-2678●	0.82	0.71	0.65	– –	– –

210795

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Miscellaneous (Communications Controllers/USARTS etc.)											
3100	MAX	16	QSOP	SPI/Microwire compatible UART.	MAX3100CEE+	SMD 972-5423●	13.15	10.33	8.25	– –	– –
68692	PS	40	DIL	CMOS Dual Channel UART	SCC68692C1N40	568-764●	29.46	25.04	12.70	– –	– –
16C550	TI	40	DIL	CMOS UART with FIFO.	TL16C550CN	416-3679	6.60	5.05	3.86	3.39	– –
2691	PS	28	PLCC	CMOS High Performance UART, provides full duplex operation. Programmable operating speed	SCC2691AC1A28	SMD 120-1339●	16.59	14.10	8.60	– –	– –
2691	PS	24	DIL	CMOS High Performance UART, provides full duplex operation.Programmable operating speed	SCC2691AC1N24	120-1303●	16.59	14.10	8.51	– –	– –
2692	PS	28	DIL	CMOS DUART, two independant communication channels, separate baud rate generators, 3 I/O pins	SCC2692AC1N28	391-505●	27.83	23.65	11.99	– –	– –
2692	PS	40	DIL	CMOS DUART, two independant communication channels, separate baud rate generators, 15 I/O pins	SCC2692AC1N40	391-517●	27.83	23.65	11.99	– –	– –
26C92	PS	44	PLCC	CMOS DUART, (Enhanced SCC2692).	SC26C92C1A	SMD 120-1334●	29.83	25.35	15.30	– –	– –
28C94	PS	52	PLCC	CMOS QUART with 8byte receiver and transmitter FIFO, selectable baud rate,4 I/O pins per UART, each receiver with watchdog timer	SC28C94A1A	SMD 120-1273●	76.49	63.47	58.59	– –	– –
3100	MAX	16	QSOP	SPI/Microwire compatible UART.	MAX3100CEE.	SMD 490-4760▲‡	9.60	8.18	– –	– –	– –
6402	INTS	40	DIL	CMOS/LSI UART, DC to 2MHz clock (125 Kilo baud)	HD3-6402R-9	391-542▲	23.32	21.56	19.71	18.54	– –
6402	INTS	40	DIL	CMOS/LSI UART, DC to 2MHz clock (125 Kilo baud)	HD3-6402R-9Z	121-6109●	24.02	22.21	20.30	19.09	– –
85230	ZILOG	40	DIL	Enhanced CMOS Serial Communications Controller - 8MHz	Z8523008PSG	108-1876●	33.25	23.44	21.08	– –	– –
85C30	ZILOG	40	DIL	CMOS Serial Communications Controller - 8MHz	Z85C30-08PSC	295-176‡	18.35	13.90	12.74	– –	– –
85C30	ZILOG	40	DIL	CMOS Serial Communications Controller - 8MHz	Z85C3008PSG	108-1872●	18.35	13.90	12.74	– –	– –
85C30	ZILOG	40	DIL	CMOS Serial Communications Controller - 10MHz	Z85C3010PSG	108-1878●	20.51	15.54	14.24	– –	– –
82B715	PS	8	DIL	Dual Bi-directional Data and Clock Buffer. I2C Bus Extender	P82B715PN	121-1741●	11.03	9.38	7.28	– –	– –
16552	NSC	44	PLCC	CMOS DUART with FIFO, two independent communication channels, separate baud rate generators. (PLCC Package)	PC16552DV	SMD 949-0132●	16.07	12.54	9.82	– –	– –
88C	EXAR	40	DIL	CMOS DUART, two independant communication channels, internal bit rate generators.	XR88C681CP/40	562-749▲	29.94	22.14	17.73	– –	– –
9200	SLX	8	SOIC	CAN Bus Driver and Receiver	SI9200EY	SMD 107-7082●	3.85	3.62	3.30	3.11	– –

STM Supervisor & Reset Circuits



NEW

This set of Supervisors are self-contained devices which provide microprocessor supervisory functions. A precision voltage reference and comparator monitors the Vcc input for out of tolerance conditions, when an invalid condition is detected the reset is forced high or low depending on the device. Most devices include a watchdog timer and a power-fail comparator to warn of any impending power failure.

Mftrs. Part No	Watchdog Input	Watchdog Output	Active High Reset	Active Low Reset	Manual Reset Input	Battery Switchover	Power-Fail Comparator	Chip-Enable Gating
STM690....	✓	–	–	✓	–	✓	✓	–
STM704....	✓	–	–	✓	✓	✓	–	✓
STM706PM6E	✓	✓	✓	–	✓	–	✓	–
STM706....	✓	✓	–	–	✓	–	✓	–
STM708....	–	–	✓	✓	✓	–	✓	–

RoHS ● Compliant ◀ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1472 Date: 22-08-06 time: 00:37

Mftrs. Part No	Watchdog Input	Watchdog Output	Active High Reset	Active Low Reset	Manual Reset Input	Battery Switchover	Power-Fail Comparator	Chip-Enable Gating
STM795...	–	–	–	✓	–	✓	✓	–
STM805....	✓	–	✓	–	–	✓	✓	–
STM813....	✓	✓	✓	–	✓	–	✓	–
STM817....	✓	–	–	✓	–	✓	✓	–
STM818....	✓	–	–	✓	–	✓	–	✓
STM819....	–	–	–	✓	–	✓	✓	–

404634

Threshold Voltage (V)	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3V							
690 2.63	STM690RM6E	SMD 928-2858	4.88	3.90	3.41	2.92	– –
690 2.93	STM690SM6E	SMD 928-2866	4.88	3.90	3.41	2.92	– –
690 3.08	STM690TM6E	SMD 928-2874	4.88	3.90	3.41	2.92	– –
704 2.63	STM704RM6E	SMD 928-2882	4.47	3.58	3.13	2.68	– –
704 2.93	STM704SM6E	SMD 928-2890	4.47	3.58	3.13	2.68	– –
704 3.08	STM704TM6E	SMD 928-2904	4.47	3.58	3.13	2.68	– –
795 2.63	STM795RM6E	SMD 928-2980	5.69	4.55	3.98	3.41	– –
795 2.93	STM795SM6E	SMD 928-2998	5.69	4.55	3.98	3.41	– –
795 3.08	STM795TM6E	SMD 928-3005	5.69	4.55	3.98	3.41	– –
805 2.63	STM805RM6E	SMD 928-3013	4.88	3.90	3.41	2.92	– –
805 2.93	STM805SM6E	SMD 928-3021	4.88	3.90	3.41	2.92	– –
805 3.08	STM805TM6E	SMD 928-3030	4.88	3.90	3.41	2.92	– –
5V							
706 2.65	STM706PM6E	SMD 928-2912	3.04	2.44	2.13	1.83	– –
706 2.65	STM706RM6E	SMD 928-2920	3.04	2.44	2.13	1.83	– –
706 2.94	STM706SM6E	SMD 928-2939	3.04	2.44	2.13	1.83	– –
706 3.08	STM706TM6E	SMD 928-2947	3.04	2.44	2.13	1.83	– –
708 2.65	STM708RM6E	SMD 928-2955	3.04	2.44	2.13	1.83	– –
708 2.94	STM708SM6E	SMD 928-2963	3.04	2.44	2.13	1.83	– –
708 3.08	STM708TM6E	SMD 928-2971	3.04	2.44	2.13	1.83	– –
813 4.63	STM813LM6E	SMD 928-3048	3.05	2.44	2.13	1.83	– –
817 4.63	STM817LM6E	SMD 928-3056	4.88	3.90	3.41	2.92	– –
817 4.38	STM817MM6E	SMD 928-3064	4.88	3.90	3.41	2.92	– –
818 4.63	STM818LM6E	SMD 928-3072	4.06	3.25	2.85	2.44	– –
818 4.38	STM818MM6E	SMD 928-3080	4.06	3.25	2.85	2.44	– –
819 4.38	STM819MM6E	SMD 928-3099	4.47	3.58	3.13	2.68	– –

STM809/810/811/812 Microprocessor Reset Circuits





STM809/810/811/812 Microprocessor Reset Circuits are low-power supervisory devices used to monitor power supplies. They perform a single function: asserting a reset signal whenever the VCC supply voltage drops below a preset value and keeping it asserted until VCC has risen above the preset threshold for a minimum periodof time (trec). The STM811/812 also provide a push-button reset input (MR).

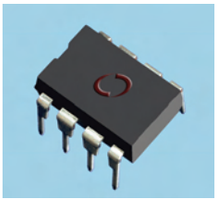
Fetaures:

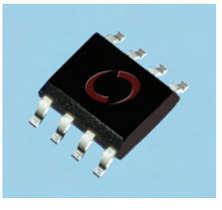
- Precision Monitoring of 3V, 3.3V, and 5V Supply voltages
- Low Supply Current - 6μA (Typical)
- 140ms Reset Pulse Width (Minimum)
- Guaranteed RST/RST Assertion Down to VCC = 1.0V
- Operating Temperature: -40°C to 85°C (Industrial Grade)
- Small SOT23 and SOT143 package

383703

Pins/Package	Description	Type	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
809 3/SOT-23	Microprocessor Reset Circuit, Low Power, 4.63V Threshold	Active Low, Push Pull	STM809LWX6F	SMD 869-0391	0.70	0.56	0.49
809 3/SOT-23	Microprocessor Reset Circuit, Low Power, 4.38V Threshold	Active Low, Push Pull	STM809MWX6F	SMD 869-0405	0.70	0.56	0.49
809 3/SOT-23	Microprocessor Reset Circuit, Low Power, 2.63V Threshold	Active Low, Push Pull	STM809RWX6F	SMD 869-0413	0.70	0.56	0.49
809 3/SOT-23	Microprocessor Reset Circuit, Low Power, 2.93V Threshold	Active Low, Push Pull	STM809SWX6F	SMD 869-0421	0.70	0.56	0.49
809 3/SOT-23	Microprocessor Reset Circuit, Low Power, 3.08V Threshold	Active Low, Push-Pull	STM809TWX6F	SMD 869-0430	0.70	0.56	0.49
810 3/SOT-23	Microprocessor Reset Circuit, Low Power, 4.63V Threshold	Active High, Push-Pull	STM810LWX6F	SMD 869-0448	0.70	0.56	0.49
810 3/SOT-23	Microprocessor Reset Circuit, Low Power, 2.63V Threshold	Active High, Push-Pull	STM810RWX6F	SMD 869-0464	0.70	0.56	0.49
810 3/SOT-23	Microprocessor Reset Circuit, Low Power, 2.93V Threshold	Active High, Push-Pull	STM810SWX6F	SMD 869-0472	0.70	0.56	0.49
810 3/SOT-23	Microprocessor Reset Circuit, Low Power, 3.08V Threshold	Active High, Push-Pull	STM810TWX6F	SMD 869-0480	0.70	0.56	0.49
811 4/SOT143	Microprocessor Reset Circuit, Low Power, 4.38V Threshold	Active Low, Push-Pull	STM811MW16F	SMD 869-0502	0.90	0.72	0.63
811 4/SOT143	Microprocessor Reset Circuit, Low Power, 2.93V Threshold	Active Low, Push-Pull	STM811SW16F	SMD 869-0529	0.90	0.72	0.63
811 4/SOT143	Microprocessor Reset Circuit, Low Power, 3.08V Threshold	Active Low, Push-Pull	STM811TW16F	SMD 869-0537	0.90	0.72	0.63
812 4/SOT143	Microprocessor Reset Circuit, Low Power, 4.63V Threshold	Active High, Push-Pull	STM812LW16F	SMD 869-0545	0.90	0.72	0.63
812 4/SOT143	Microprocessor Reset Circuit, Low Power, 4.38V Threshold	Active High, Push-Pull	STM812MW16F	SMD 869-0553	0.90	0.72	0.63
812 4/SOT143	Microprocessor Reset Circuit, Low Power, 2.63V Threshold	Active Low, Push-Pull	STM812RW16F	SMD 869-0561	0.90	0.72	0.63
812 4/SOT143	Microprocessor Reset Circuit, Low Power, 2.93V Threshold	Active Low, Push-Pull	STM812SW16F	SMD 869-0570	0.90	0.72	0.63
812 4/SOT143	Microprocessor Reset Circuit, Low Power, 3.08V Threshold	Active Low, Push-Pull	STM812TW16F	SMD 869-0588	0.90	0.72	0.63

Catalyst CPU Supervisory Circuits





The Catalyst range of CPU supervisory circuits with embedded I²C EEPROM provide a single-chip supervisor and memory solution in a standard EEPROM package. The combination of the power supply supervisor with the EEPROM memory provides the added security of directly disabling access to the memory during reset conditions. The other design advantages with having the supervisory function in the same package as the standard EEPROM are reduced component counts and saving in board space.

NEW

Fetaures:

- Precision single power voltage monitor with EEPROM
- Six factory settable reset thresholds
- Debounced Manual Reset option
- Independent voltage sense
- Watchdog funtion
- 400KHz I²C bus
- Write-protect (WP) prevents accidental EEPROM access

386446

Pins/Package	Description	Memory Size	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
1021 8/SOIC	Supervisory Circuit with I²C Serial 2k-bit CMOS EEPROM, Manual Reset & Watchdog Timer	2 K	CAT1021WI-45	SMD 880-3307	1.69	1.46	1.21
1021 8/MSOP	Supervisory Circuit with I²C Serial 2k-bit CMOS EEPROM, Manual Reset & Watchdog Timer	2 K	CAT1021ZI-45	SMD 880-3366	1.69	1.46	1.21
1023 8/SOIC	Supervisory Circuit with I²C Serial 2k-bit CMOS EEPROM, Manual Reset & Watchdog Timer	2 K	CAT1023WI-30	SMD 880-3315	1.56	1.33	1.12
1023 8/MSOP	Supervisory Circuit with I²C Serial 2k-bit CMOS EEPROM, Manual Reset & Watchdog Timer	2 K	CAT1023ZI-30	SMD 880-3374	1.56	1.33	1.12
1025 8/SOIC	Supervisory Circuit with I²C Serial 2K CMOS EEPROM, Manual Reset, WP Pin, Active High & Low Reset.	2 K	CAT1025WI-30	SMD 880-3323	1.50	1.30	1.07
1025 8/MSOP	Supervisory Circuit with I²C Serial 2K CMOS EEPROM, Manual Reset, WP Pin, Active High & Low Reset.	2 K	CAT1025ZI-30	SMD 880-3382	1.50	1.30	1.04
1026 8/SOIC	Dual Voltage Supervisory Circuit with I²C Serial 2K CMOS EEPROM, Reset Active High & Low, Auxiliary Voltage Monitor.	2 K	CAT1026WI-30	SMD 880-3331	1.50	1.30	1.04
1026 8/MSOP	Dual Voltage Supervisory Circuit with I²C Serial 2K CMOS EEPROM, Reset Active High & Low, Auxiliary Voltage Monitor.	2 K	CAT1026ZI-30	SMD 880-3390	1.50	1.30	1.04
1027 8/SOIC	Dual Voltage Supervisory Circuit with I²C Serial 2K CMOS EEPROM, Auxiliary Voltage Monitor, Watchdog Monitors WDI Pin	2 K	CAT1027WI-30	SMD 880-3340	1.76	1.50	1.26

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Pins/Package	Description	Memory Size	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
1027	8/SOIC	Dual Voltage Supervisory Circuit with I²C Serial 2K CMOS EE-PROM, Auxiliary Voltage Monitor, Watchdog Monitors WDI Pin	2 K	CAT1027WI-42	SMC 880-3358	1.76	1.50	1.26
1027	8/MSOP	Dual Voltage Supervisory Circuit with I²C Serial 2K CMOS EE-PROM, Auxiliary Voltage Monitor, Watchdog Monitors WDI Pin	2 K	CAT1027ZI-30	SMC 880-3404	1.76	1.50	1.26
1027	8/MSOP	Dual Voltage Supervisory Circuit with I²C Serial 2K CMOS EE-PROM, Auxiliary Voltage Monitor, Watchdog Monitors WDI Pin	2 K	CAT1027ZI-42	SMC 880-3412	1.76	1.50	1.26
1161	8/SOIC	µP Supervisor with 16K I²C Memory, Reset Controller & Watchdog Timer.	16 K	CAT1161W-28	SMC 880-3234	2.86	2.44	2.05
1161	8/SOIC	µP Supervisor with 16K I²C Memory, Reset Controller & Watchdog Timer.	16 K	CAT1161W-30	SMC 880-3242	2.86	2.44	2.05
1161	8/DIL	µP Supervisor with 16K I²C Memory, Reset Controller & Watchdog Timer.	16 K	CAT1161L-42	880-3250	2.86	2.44	1.95
1161	8/SOIC	µP Supervisor with 16K I²C Memory, Reset Controller & Watchdog Timer.	16 K	CAT1161W-42	SMC 880-3269	2.86	2.44	2.05
1162	8/SOIC	µP Supervisor with 16K I²C Memory and Reset Controller	16 K	CAT1162W-42	SMC 880-3277	2.67	2.28	1.91
1163	8/SOIC	µP Supervisor with 16K I²C Memory, Reset Controller & watchdog Timer (Indepenent WDI)	16 K	CAT1163W-42	SMC 880-3285	3.06	2.64	2.19
1163	8/SOIC	µP Supervisor with 16K I²C Memory, Reset Controller & watchdog Timer (Indepenent WDI)	16 K	CAT1163W-45	SMC 880-3293	3.06	2.64	2.19

422875

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
UARTs									
550	EXAR	48	TQFP	2.97V to 5.5V UART with 16 byte FIFO	ST16C550CQ48-F	NEW SMD 109-5811	8.50	7.10	6.09
2550	EXAR	48	TQFP	2.97V to 5.5V Dual UART with 16 byte FIFO	ST16C2550CQ48-F	NEW SMD 109-5809	15.46	12.89	11.07
681	EXAR	44	PLCC	5V Dual UART with 2 Fully Independent Full Duplex Asynchronous Communications Channels	XR68C681CJ-F	NEW SMD 109-5813	14.35	11.98	10.29
681	EXAR	40	DIL	5V Dual UART CMOS with 2 Fully Independent Full Duplex Asynchronous Communications Channels	XR88C681CP/40-F	NEW 109-5818	16.67	13.87	11.91
554	EXAR	68	PLCC	2.97V to 5.5V Quad UART with 16 byte FIFO	ST16C554DCJ68-F	NEW SMD 109-5812	24.15	20.15	17.28

Crystal Oscillator Modules

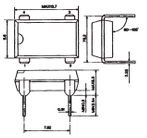
Single Output Modules

SEIKO EPSON

8 pin DIL Package - TTL Output (with output enable function)



Pin 1 = O/E
Pin 2 = GND
Pin 3 = OUTPUT
Pin 4 = +5V ±10%



These single output oscillators are housed in a DIL plastic package. The package has 4 pins spaced as the corner pins of a 0.3" 8 pin DIL. Outputs are at TTL levels.

	4 to 24MHz	32 to 50MHz
Output rise time	8ns	5ns
Output fall time	8ns	7ns
Supply current	25mA	35mA
Output Load	10TTL (50pF)	5TTL (50pF)

Temperature range -10°C to 70°C Duty cycle 40 to 60%
Frequency stability ±100ppm Mftrs. List No. SG531P4MHZ+ Frequency in MHz

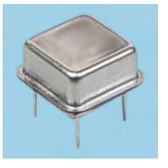
210514

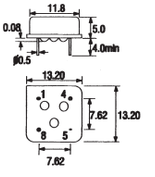
Frequency MHz	Frequency MHz	Order Code	Price Each 1+	10+	100+	250+
4.0	SG531P4MHZ.0	221-429	12.89	9.82	8.17	6.15
4.0.0.0		121-6189	12.64	9.63	8.01	6.03
4.9152	SG531P4.9152MHZ.0	221-430	12.64	9.63	8.01	6.03
4.9152	.0	121-6190	12.64	9.63	8.01	6.03
8.0	SG531P8MHZ.0	221-442	12.51	9.63	8.01	6.03
8.0	.0	121-6191	12.51	9.63	8.01	6.03
10.0	SG531P10MHZ.0	221-454	12.64	9.63	8.01	6.03
10.0	.0	121-6192	12.64	9.63	8.01	6.03
12.0	SG531P12MHZ.0	221-466	12.64	9.63	8.01	6.03
12.0	.0	121-6194	12.64	9.63	8.01	6.03
16.0	SG531P16MHZ.0	221-478	12.64	9.63	8.01	6.03
16.0	.0	121-6195	12.64	9.63	8.01	6.03
20.0.0.0	SG531P20MHZ	221-480	12.89	9.82	8.17	6.15
20.0	.0	121-6196	12.64	9.63	8.01	6.03
24.0	SG531P24MHZ.0	221-491	12.64	9.63	8.01	6.03
24.0	.0	121-6197	12.64	9.63	8.01	6.03
32.0	SG531PH32MHZ.0	221-508	12.64	9.63	8.01	6.03
32.0	.0	121-6198	12.64	9.63	8.01	6.03
40.0	SG531PH40MHZ.0	221-510	12.89	9.82	8.17	6.15
40.0	.0	121-6199	12.64	9.63	8.01	6.03
50.0	SG531PH50MHZ.0	221-521	12.64	9.63	8.01	6.03
50.0	.0	121-6201	12.64	9.63	8.01	6.03

Single Output Modules

8 pin DIL - HCMOS Output

CMAC Frequency Products /MC





Pin 1 = NC
Pin 4 = GND I
Pin 5 = Output
Pin 8 = +5 ±10%

These single output oscillators are housed in a hermetically sealed metal package 13.2mm sq. with 4 pins spaced as the corners of an 0.3" 8 pin DIL. Outputs are at CMOS levels.

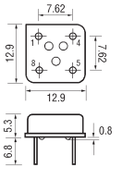
Output rise time	5ns	Temperature stability	±100ppm	Duty cycle	45 to 60% max.
Output fall time	5ns	Max supply current	25mA		45 to 60% (MC)
Temperature range	0°C to 70°C	Output load	15pF		

210515

Frequency MHz	Mftr.	Order Code	Price Each 1+	30+	60+
3.6864	CMAC	971-2968	5.50	5.00	4.48
4	CMAC	971-2976	5.50	5.00	4.48
8	CMAC	221-624 ▲‡	11.29	9.81	8.37
8	CMAC	971-2984	5.50	5.00	4.48
12	CMAC	221-648 ▲‡	11.29	9.81	8.37
12	CMAC	971-2992	5.50	5.00	4.48
16	CMAC	971-3000	5.50	5.00	4.48
20	CMAC	221-661 ▲‡	11.29	9.81	8.37
20	CMAC	971-3018	5.50	5.00	4.48
32	CMAC	221-685 ▲‡	12.30	6.90	5.85
32	CMAC	971-3026	5.50	5.00	4.48
40	CMAC	971-3034	5.50	5.00	4.48
50	CMAC	221-703 ▲‡	11.38	9.66	7.95
50	CMAC	971-3042	5.59	5.09	4.56

8 pin DIL - Universal Output

AEL CRYSTALS LIMITED



	Rise/fall times	Max. supply currents
3.6864MHz to 20MHz	10ns	20mA
24MHz to 64MHz	6ns	40mA

Temperature range 0°C to 70°C Duty cycle 45 to 55%
Temperature stability ±100ppm

Pin 1 = NC
Pin 4 = GND
Pin 5 = Output
Pin 8 = +VDC

210691

Frequency MHz	Order Code	Price Each 1+	10+	100+
3.6864	951-0095	8.13	6.36	4.25
8	951-0109	8.06	6.46	4.47
12	951-0117	9.03	6.87	4.47
16	951-0125	9.03	5.64	4.66
20	951-0133	9.03	6.87	4.47

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available
RoHS

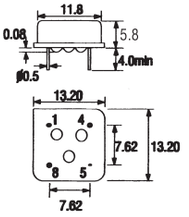
C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1474 Date: 22-08-06 time: 00:39

Frequency MHz	Order Code	Price Each 1+	10+	100+
24	951-0141●	9.03	6.87	4.66
32	951-0150●	9.09	6.77	4.44
40	788-521‡	9.03	6.87	4.66
40	951-0168●	9.03	6.87	4.66
50	788-533‡	8.13	6.36	4.25
50	951-0176●	8.13	6.36	4.25
64	951-0184●	9.03	6.87	4.66

8 pin DIL - Universal Output with Enable/Disable

C-MAC Frequency Products



	Rise/fall times	Max. supply currents
upto 5MHz	15ns/15ns	20mA
5MHz to 16MHz	10ns10ns	30mA

Temperature range -45°C to 85°C **(IND TEMP)**
Frequency stability ±100ppm
Duty cycle 55 to 55%

Pin 1 = Enable/Disable
Pin 4 = GND
Pin 5 = Output
Pin 8 = +5V DC

210812

Frequency MHz	Order Code	Price Each 1+	25+	50+
4.9152	971-2127●	44.27	40.28	36.08
8.192	971-2135●	39.06	33.59	28.51
12.288	971-2143●	39.06	33.59	28.51
16.384	971-2151●	39.06	33.59	28.51
24.576	971-2160●	39.06	33.59	28.51

8 pin DIL - Universal Output with Enable/Disable

AEL CRYSTALS LIMITED

Pin configurations as above with Pin1 = Enable/Disable.

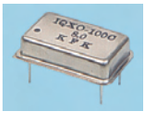
210693

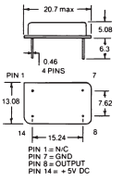
Frequency MHz	Order Code	Price Each 1+	10+	100+
8.00	950-9984●	9.73	6.90	5.01
10.0	950-9992●	9.73	6.90	5.01
20.0	788-223‡	7.10	5.27	3.95
20.0	951-0001●	7.10	5.27	3.95
25.0	951-0010●	8.53	6.31	4.59
40.0	951-0028●	9.73	6.90	5.01
50.0	788-260‡	9.73	6.90	5.01
50.0	951-0036●	9.73	6.90	5.01

Single Output Modules

14 pin DIL - Universal Output

C-MAC Frequency Products





Single output oscillators in hermetically sealed 14 pin DIL packages.

Frequency Range MHz	Frequency Stability	Supply Voltage	Supply Current	Rise Time	Fall time	Duty Cycle	Temp. Range
1MHz - 5MHz	100ppm	5V±0.25V	30mA	15ns	15ns	45/55%	0 - + 70°C
5MHz - 16MHz	100ppm	5V±0.25V	30mA	15ns	15ns	45/55%	0 - + 70°C
16MHz - 30MHz	100ppm	5V±0.25V	15mA	10ns	10ns	45/55%	0 - + 70°C
30MHz - 50MHz	100ppm	5V±0.25V	30mA	10ns	10ns	45/55%	0 - + 70°C
50MHz - 66MHz	100ppm	5V±0.25V	40mA	8ns	8ns	45/55%	0 - + 70°C

210849

Frequency MHz	Order Code	Price Each 1+	25+	50+
1	971-2402●	5.84	5.31	4.76
1.8432	112-343▲‡	9.76	7.89	6.90
1.8432	971-2410●	5.84	5.31	4.76
2	971-2429●	5.84	5.31	4.76
3.6864	112-367▲‡	9.15	5.64	3.57
3.6864	971-2437●	6.36	5.78	5.18
4.096	971-2445●	5.84	5.31	4.76
4.9152	971-2453●	5.84	5.31	4.76
5	971-2461●	5.84	5.31	4.76
6	971-2666●	5.84	5.31	4.76
8	971-2470●	5.84	5.31	4.76
9.8304	112-422▲‡	9.15	6.33	4.02
9.8304	971-2488●	5.84	5.31	4.76
10	971-2496●	5.84	5.31	4.76
12	971-2500●	5.84	5.31	4.76
12.288	971-2518●	5.84	5.31	4.76
16	971-2526●	5.84	5.31	4.76
18.432	971-2534●	5.84	5.31	4.76
19.6608	971-2542●	5.84	5.31	4.76
20	971-2550●	5.84	5.31	4.76

Frequency MHz	Order Code	Price Each 1+	25+	50+
24	971-2569●	5.84	5.31	4.76
25	112-513▲‡	9.15	6.33	4.02
25	971-2585●	5.84	5.31	4.76
30	971-2607●	5.84	5.31	4.76
32	121-289▲‡	9.27	7.11	6.03
30	971-2607●	5.84	5.31	4.76
33.33	112-537▲‡	9.15	6.33	4.02
32	971-2674●	5.84	5.31	4.76
33.33	971-2615●	5.84	5.31	4.76
40	971-2623●	5.84	5.31	4.76
48	971-2631●	6.05	5.51	4.93
50	112-562▲‡	9.09	5.97	4.26
50	971-2640●	6.05	5.51	4.93
64	971-2658●	6.77	6.16	5.51
66	483-412▲‡	10.43	6.48	4.14
66	971-3689●	6.56	5.97	5.34

Single Output Modules

14 pin DIL - Universal Output

AEL CRYSTALS LIMITED

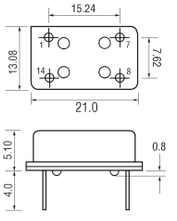
As above (177-410 through to 483-400) with Universal Output (Both TTL and CMOS compatible)

210569

Frequency MHz	Order Code	Price Each 1+	10+	100+
1.0	950-9798●	9.80	6.84	4.63
4.0	950-9704●	9.80	6.84	4.63
8.0	950-9712●	9.80	6.84	4.63
10.0	950-9720●	9.80	6.84	4.63
16.0	950-9739●	9.80	6.84	4.63
20.0	571-805‡	9.80	6.84	4.63
20.0	950-9747●	9.80	6.84	4.63
25.0	950-9755●	9.80	6.84	4.63
32.0	571-829‡	9.80	6.84	4.63
32.0	950-9763●	9.80	6.84	4.63
40.0	950-9771●	9.80	6.84	4.63
50.0	571-842‡	7.16	5.24	3.95
50.0	950-9780●	7.16	5.24	3.95

14 pin DIL - Universal Output with Enable/Disable

C-MAC Frequency Products



	Rise/fall times	Max. supply currents
up to 5MHz	15ns/15ns	20mA
5MHz to 16MHz	15ns15ns	20mA
16MHz to 25MHz	10ns10ns	30mA

Temperature range -45°C to 85°C **(IND TEMP)**
Temperature stability 100ppm
Duty cycle 45 to 55%

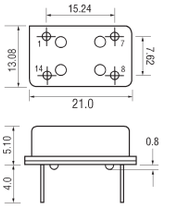
Pin 1 = Enable/Disable
Pin 7 = GND
Pin 8 = Output
Pin 14 = +5V DC

210811

Frequency MHZ	Order Code	Price Each 1+	10+	25+
4.9152	101-369▲‡	51.22	46.35	35.31
4.9152	971-2178●	47.06	42.82	38.35
8.192	971-2186●	47.06	42.82	38.35
24.576	101-400▲‡	51.22	46.35	35.31
24.576	971-2194●	47.06	42.82	38.35

14 pin DIL - High Frequency Oscillators

C-MAC Frequency Products



	Rise/fall times	Max. supply currents
100MHz	3ns/3ns	60mA
125MHz	3ns/3ns	65mA

Temperature range 0°C to 70°C Duty cycle 40 to 60%
Frequency stability 100ppm

Pin 1 = Enable/Disable
Pin 7 = GND
Pin 8 = Output
Pin 14 = +5V DC

210810

Frequency MHz	Order Code	Price Each 1+	10+	25+
100	971-2208●	48.59	44.22	39.60
125	971-2216●	48.59	44.22	39.60

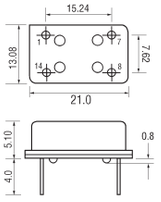
Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1475 Date: 22-08-06 time: 00:41

14 pin DIL - Voltage Control Crystal Oscillators

C-MAC Frequency Products



upto 24MHz	Rise/fall times 10ns/10ns	Max. supply currents 15mA	
Temperature range	0°C to 70°C	Duty cycle	45 to 60%
Frequency stability	50ppm		

Pin 1 = Voltage Control
Pin 7 = GND
Pin 8 = Output
Pin 14 = +5V DC

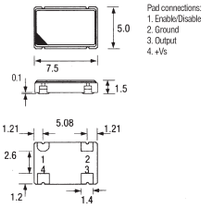
210809

Frequency MHz	Order Code	Price Each 1+	10+	25+
8.192	101-436▲‡	39.72	29.22	23.37
8.192	971-2224●	35.15	30.23	25.66
10	971-2232●	35.15	30.23	25.66
12.288	971-2240●	35.15	30.23	25.66
16.384	971-2259●	35.15	30.23	25.66

Single Output Modules

SMD - Tri-state HCMOS (3.3V)

C-MAC Frequency Products



A range of single output oscillators housed in surface mount packages.

SMD

Output rise time	6ns
Output fall time	6ns
Supply current	15mA (<35MHz), 30mA (35.1 to 70.0MHz), 40mA (70 to 125 MHz),
Supply voltage	3.3V ± 0.3V
Duty cycle	45 to 55%
Temperature stability	50ppm
Temperature range	0°C to 70°C
Case Style	CFPS-73

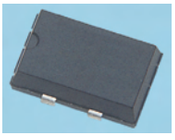
244734

Frequency MHz	Order Code	Price Each 1+	25+	100+	250+
4	SMD 971-3450●	8.65	7.18	5.71	4.32
8	SMD 971-3468●	8.65	7.18	5.71	4.32
10	SMD 971-3476●	8.65	7.18	5.71	4.32
12	SMD 424-5921▲‡	13.26	10.50	7.65	6.06
12	SMD 971-3484●	8.65	7.18	5.71	4.32
12.288	SMD 971-3492●	8.65	7.18	5.71	4.32
14.31818	SMD 424-5945▲‡	13.26	10.50	7.65	6.06
14.31818	SMD 971-3506●	8.65	7.18	5.71	4.32
16	SMD 424-5957▲‡	13.26	10.50	7.65	6.06
16	SMD 971-3514●	8.65	7.18	5.71	4.32
16.384	SMD 971-3522●	8.65	7.18	5.71	4.32
20	SMD 971-3530●	8.65	7.18	5.71	4.32
24	SMD 424-5982▲‡	13.26	10.50	7.65	6.06
24	SMD 971-3549●	8.65	7.18	5.71	4.32
32.768	SMD 424-5994▲‡	13.26	10.50	7.65	6.06
32.768	SMD 971-3557●	9.07	7.53	5.98	4.53
40	SMD 971-3565●	9.07	7.53	5.98	4.53
50	SMD 971-3573●	9.07	7.53	5.98	4.53
60	SMD 971-3581●	9.49	7.87	6.26	4.74
80	SMD 424-6032▲‡	12.48	9.90	9.63	7.41
80	SMD 971-3590●	11.86	9.84	7.83	5.93
100	SMD 424-6044▲‡	24.48	20.85	16.83	15.12
100	SMD 971-3603●	21.76	18.06	14.36	10.88
106.25	SMD 424-6056▲‡	24.48	20.85	16.83	15.12
106.25	SMD 971-3611●	25.81	21.42	17.03	12.90
125	SMD 971-3620●	36.69	30.45	24.21	18.34

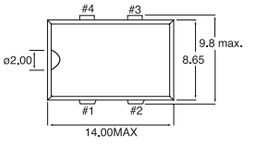
Single Output Modules

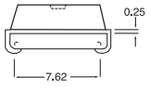
SEIKO EPSON

4 pin SMD – TTL Output

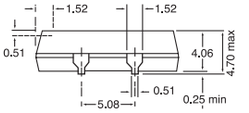


SMD





Pin 1 = OE
Pin 2 = GND
Pin 3 = OUTPUT
Pin 4 = +5V ±10%



These single output oscillators are housed in a surface mount package. The device has an Output Enable function and has low current consumption.

	4 to 24MHz	32 to 50MHz
Output rise time	8ns	5ns
Output fall time	8ns	5ns
Supply current	23mA	35mA
Output load	10TTL (50pF)	5TTL (50pF)
Temperature range	-10°C to 70°C	-10°C to 70°C
Duty cycle	40 to 60%	40 to 60%
Mftrs. List No.	SG615P + Frequency in MHz	

210584

Frequency MHz	±ppm	Order Code	Price Each 1+	10+	100+	250+
4	100ppm	SMD 562-907	17.04	11.60	9.21	7.22
4	100ppm	SMD 121-6215●	16.71	11.37	9.03	7.08
5	50ppm	SMD 300-2810	22.70	14.11	11.44	8.72
5	50ppm	SMD 121-6203●	22.25	13.83	11.22	8.55
12	100ppm	SMD 562-919	16.86	11.60	9.21	7.92
12	100ppm	SMD 121-6216●	16.53	11.37	9.03	7.76
14.31818	100ppm	SMD 563-201	16.71	11.37	9.03	7.08
14.31818	100ppm	SMD 121-6221●	16.71	11.37	9.03	7.08
16	100ppm	SMD 562-920	16.71	11.37	9.03	7.08
16	100ppm	SMD 121-6217●	16.71	11.37	9.03	7.08
20	50ppm	SMD 300-2834	22.25	13.83	11.22	8.55
20	50ppm	SMD 121-6204●	22.25	13.83	11.22	8.55
24	100ppm	SMD 563-213	16.71	11.37	9.03	7.08
24	100ppm	SMD 121-6222●	14.32	10.55	8.53	7.39
25	50ppm	SMD 300-2895	22.25	13.83	11.22	8.55
25	50ppm	SMD 121-6205●	22.25	13.83	11.22	8.55
25	100ppm	SMD 300-2809	22.25	13.83	11.22	8.55
25	100ppm	SMD 121-6202●	22.25	13.83	11.22	8.55
32	100ppm	SMD 562-932	16.71	11.37	9.03	7.08
32	100ppm	SMD 121-6218●	16.71	11.37	9.03	7.08
40	100ppm	SMD 562-944	17.04	11.60	9.21	7.22
40	100ppm	SMD 121-6219●	16.71	11.37	9.03	7.08
40	50ppm	SMD 300-2925	22.25	13.83	11.22	8.55
40	50ppm	SMD 121-6206●	22.25	13.83	11.22	8.55
50	100ppm	SMD 562-956	16.71	11.37	9.03	7.08
50	100ppm	SMD 121-6220●	16.71	11.37	9.03	7.08
50	50ppm	SMD 300-2937	22.25	13.83	11.22	8.55
50	50ppm	SMD 121-6207●	22.25	13.83	11.22	8.55

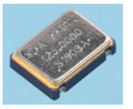
Single Output Modules

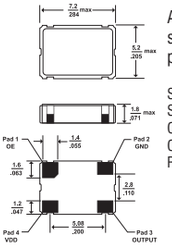
SaRonix

S1903 Series

SMD - 3.3V Tri-state CMOS, HCMOS, Output

SMD





A series of crystal low-current oscillators in a sub-miniature, low profile leadless ceramic package with gold-plated contact pads.

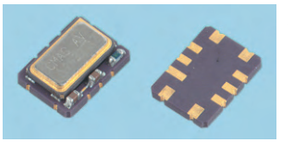
Supply Voltage:	3.3V±10%
Supply Current:	35mA max @ 3.3V
Operating Temp.:	0°C to +70°C
Output:	45/55%max @ 50% VDD @ 3.3V
Rise & Fall Times:	2ns max 20% to 80% VDD

211011

Frequency MHz	Mftrs List No.	Order Code	Price Each 1+	10+	100+	250+	+
80	S1903C-80.00-E	SMD 121-0012●	56.38	49.96	41.99	32.52	– –
100	S1903C-100.00-E	SMD 121-0015●	56.38	49.96	41.99	32.52	– –
112	S1903C-112.00-E	SMD 121-0017●	56.38	49.96	41.99	32.52	– –
120	S1903C-120.00-E	SMD 121-0018●	56.38	49.96	41.99	32.52	– –
125	S1903C-125.00	SMD 121-0019●	56.38	49.96	41.99	32.52	– –

8 - pin SMD - High Stability TCXO

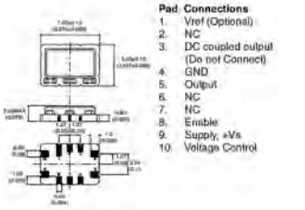
C-MAC Frequency Products



SMD

A surface mountable TCVCXO series, named 'PLUTO' - a single chip oscillator and analogue compensation circuit capable of sub 1ppm performance over extended temperature.

Supply Voltage - Optimum	3.3V ±10%
Frequency Stability	±1ppm
Operating Temperature	-40°C to +85°C
Output rise time	8ns
Output fall time	8ns
Output load	15pF
Duty cycle	4555/%
Case style	7x5mm



Pad	Connections
1.	Vref (Optional)
2.	NC
3.	DC coupled output (Do not Connect)
4.	GND
5.	Output
6.	NC
7.	NC
8.	Enable
9.	Supply, +Vs
10.	Voltage Control

240243

Frequency MHz	Order Code	Price Each 1+	10+	100+
10	SMD 971-3360●	96.96	80.82	74.40
12.8	SMD 971-3387●	96.96	80.82	74.40
13	SMD 971-3395●	96.96	80.82	74.40
16.384	SMD 392-9644▲‡	96.96	80.82	74.40
16.384	SMD 971-3409●	96.96	80.82	74.40
20	SMD 971-3417●	99.99	83.31	74.40
32.768	SMD 392-9670▲‡	81.60	76.72	– –
32.768	SMD 971-3425●	81.60	76.72	– –
38.88	SMD 971-3433●	99.99	83.31	76.73
40	SMD 971-3441●	106.05	88.38	81.38

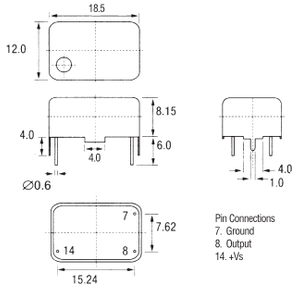
● Compliant
● ▲ ++ Non-compliant
Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1476 Date: 22-08-06 time: 00:42

14-pin - Temperature Compensated Crystal Oscillator

C-MAC Frequency Products



A range of temperature compensated oscillators with high degree of frequency stability over a wide temperature range.

Supply Voltage	5V ±0.25V
Supply Current	5mA
Output	1V p-p min.
Stability	2.5ppm

210951

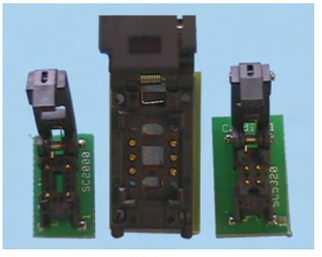
Frequency MHz	Order Code	Price Each 1+	10+	25+
12.8	316-0490▲‡	61.41	51.96	42.56
12.8	971-3280●	60.95	55.46	49.67
19.44	316-0518▲‡	62.03	51.96	40.47

FIPO™ PG-3000 Programmer

CARDINAL COMPONENTS



Programmer



SMD Adapter

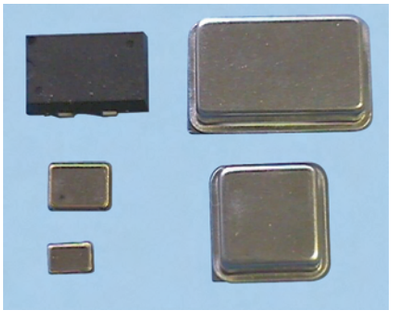
- PC-based Programmer
- USB-Connection
- Adapted for Microsoft Windows 98SE, ME, 2000 and XP
- Menu-led programming of blank oscillators
- Adapters for SMD packages available

380833

Mftrs. List. No	Order Code	Price Each 1+
PG3000 Programmer	841-0631	1,198.44
SMD-Adapter for Programmer		
SC2000 SMD-Adapter for 5x7 Blanks	841-0640	142.10
SC2500 SMD-Adapter for 9x14 Blanks	841-0658	141.31
SC5320 SMD-Adapter for 3.2x5 Blanks	841-0666	153.92

FIPO™ Programmable Oscillators

CARDINAL COMPONENTS



- Create oscillators, at user specified frequency, within seconds, in the field
- Low Jitter
- Internal frequency reference for single step programming
- Frequency ranges available from 1MHz to 133MHz
- Oscillator characteristics selected via keypad and VCD display

Oscillators with identifier A7BR frequency ranges are available from ±50ppm over -40°C to +85°C, with identifier A5BC frequency ranges are available from ±25ppm over -20°C to +70°C.

Technical data		
Frequency range	1MHz -133MHz	(selectable)
Temp.-Stability	+-50ppmppm or +-25ppm	
Operating Temp.	-20°C - +70°C -40°C - 85°C	
	CMOS/TTL	
Output	Tristate/Power-Down Function	(selectable)
Voltage	3.3V or 5V	(selectable)

Order Code	Description
841-0674	5x7 Ceramic ±50ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0682	5x7 Ceramic ±25ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0690	9x14 Plastic ±50ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0704	9x14 Plastic ±25ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0712	DIL Half Size ±50ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0720	DIL Half Size ±25ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0739	DIL 14 ±50ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0747	DIL 14 ±25ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0755	3.2x5 Ceramic ±50ppmppm CMOS/TTL 3.3V/5V TS/PD
841-0763	3.2x5 Ceramic ±25ppmppm CMOS/TTL 3.3V/5V TS/PD

380967

Mftrs. List. No.	Order Code	Price Each 1+	10+	100+
CPPLX7-A7BR-XX.XXXNP	SMD 841-0674●	10.32	9.28	7.75
CPPLX7-A5BC-XX.XXXNP	SMD 841-0682●	10.32	9.28	7.75
CPPLX8-A7BR-XX.XXXNP	SMD 841-0690●	10.32	9.28	7.75
CPPLX8-A5BC-XX.XXXNP	SMD 841-0704●	10.32	9.28	7.75
CPPLX4-A7BR-XX.XXXNP	841-0712●	10.32	9.28	7.75
CPPLX4-A5BC-XX.XXXNP	841-0720●	10.32	9.28	7.75
CPPLX1-A7BR-XX.XXXNP	841-0739●	10.32	9.28	7.75
CPPLX1-A5BC-XX.XXXNP	841-0747●	10.32	9.28	7.75
CPPLX5-A7BR-XX.XXXNP	SMD 841-0755●	10.32	9.28	7.75
CPPLX5-A5BC-XX.XXXNP	SMD 841-0763●	10.32	9.28	7.75

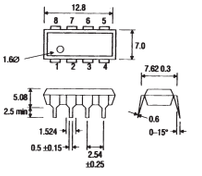
Programmable Crystal Oscillators — KINSEKI

8 pin DIL — HCMOS Output





Pin 1 = F output
Pin 2 = D output
Pin 3 = Output disable
Pin 4 = GND
Pin 5 = A input
Pin 6 = B input
Pin 7 = C input
Pin 8 = +3 to +6V dc



These programmable crystal oscillators are housed in an 8 pin plastic DIL package. Each device has two outputs, the original crystal frequency and a divided output.

There is also an output disable control. The divider is controlled by three binary inputs as detailed on the table below.

Input			Output		Base Frequency (fo)					
C	B	A	F	D	12.0	14.31818	16.0	16.384	19.6608	20.0	MHz
L	L	L	fo	fo/2	6.0	7.15909	8.0	8.192	9.8304	10.0	MHz
L	L	H	fo	fo/4	3.0	3.579545	4.0	4.096	4.9152	5.0	MHz
L	H	L	fo	fo/8	1.5	1.789772	2.0	2.048	2.4576	2.5	MHz
L	H	H	fo	fo/16	0.75	0.89488	1.0	1.024	1.2288	1.25	MHz
H	L	L	fo	fo/32	0.375	0.44744	0.5	0.512	0.6144	0.625	MHz
H	L	H	fo	fo/64	187.5	223.72	250	256	307.2	312.5	KHz
H	H	L	fo	fo/128	93.75	111.86	125	128	153.6	156.25	KHz
H	H	H	fo	fo/256	46.875	55.93	62.5	64	76.8	78.125	KHz

Output disable must be tied to VDD if not used.

Output rise time	15ns max.	Temperature stability	+100ppm
Output fall time	15ns max.	Max. supply current	20mA
Temperature range	-10°C to +70°C	Duty cycle	40 to 60%max.

Mftrs. List No.: EXO-3C+ Frequency in MHz

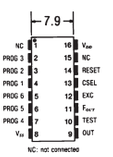
210516

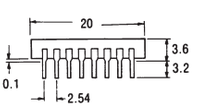
Frequency MHz	Order Code	Price Each 1+	10+	100+
12	221-715▲‡	13.31	10.26	7.50
12	971-3050●	13.31	10.26	7.50
12.288	971-3190●	25.77	17.88	13.74
14.31818	221-727▲‡	12.93	10.46	– –
14.31818	971-3069●	12.93	10.46	– –
14.7456	971-3204●	12.81	10.46	– –
16	971-3077●	13.35	11.31	9.64
16.384	120-2570●	11.49	10.42	– –
19.6608	221-752▲‡	13.07	10.02	8.03
19.6608	971-3085●	13.07	10.02	8.03
20	221-764▲‡	11.49	9.64	– –
20	971-3093●	11.49	9.64	– –
24	971-3212●	19.68	13.62	10.47

Programmable Crystal Oscillators — SEIKO EPSON

16 pin DIL - TTL/CMOS Output







Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

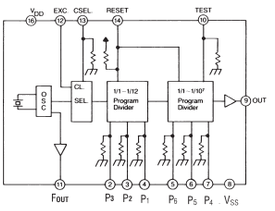
C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1477 Date: 22-08-06 time: 00:42

Programmable Crystal Oscillators that can generate 57 different frequencies in the range 0.005Hz to 1.0MHz.

Housed in a 16 pin DIL package the device contains a crystal oscillator with integral crystal and programmable frequency divider. Two outputs, base crystal frequency and divided frequency, are available simultaneously and both have TTL or CMOS capability.

Four versions are available with crystal base frequency of 60kHz, 600kHz, 768kHz and 1MHz. The normal calibration tolerance is ± 100ppm with a temperature stability of ±150ppm from -10°C to +70°C.



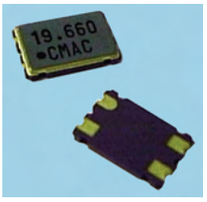
Block Diagram

210850

Base Frequency	Order Code	Price Each 1+	10+	100+
60kHz	**300-3097**	122.40	99.99	78.78
600kHz	**170-678**	62.39	52.53	41.62
768kHz	**170-679**	124.85	101.99	80.36
1MHz	**170-680**	62.39	52.53	41.62

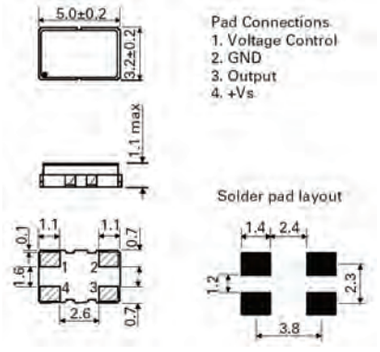
4-pin SMD Temperature Compensated Voltage Controlled Oscillator

C-MAC Frequency Products



SMD NEW

A range of miniature surface mount temperature compensated voltage controlled crystal oscillators providing, a high degree of frequency stability over a wide temperature range.



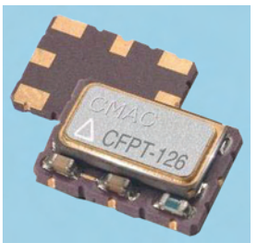
Supply Voltage	3V±0.15V	Output Waveform	Clipped Sine
Supply Current	2mA	Output	0.8V pk-pk
Voltage Control Change	±3ppm min. / ±7ppm max.		

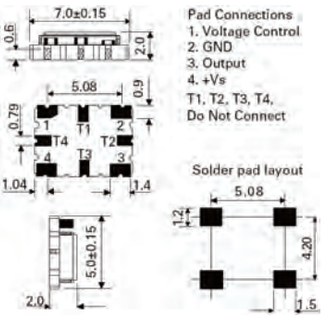
419549

Frequency MHz	Order Code	Price Each 1+	10+	100+
12.8	**110-0742**	15.01	12.53	10.70
13	**110-0743**	15.01	12.53	10.70
19.2	**110-0744**	15.01	12.53	10.70
20	**110-0745**	15.01	12.53	10.70
26	**110-0746**	15.01	12.53	10.70

4-pin SMD Temperature Compensated Voltage Controlled Oscillator

C-MAC Frequency Products





A range of surface mount temperature compensated voltage controlled oscillators, providing a high degree of frequency stability over a wide temperature range.

Supply Voltage	3.3V±0.17V	Rise Time	8ns
Supply Current	3mA	Fall time	8ns
Frequency stability	1ppm	Duty cycle	45/45%

SMD NEW

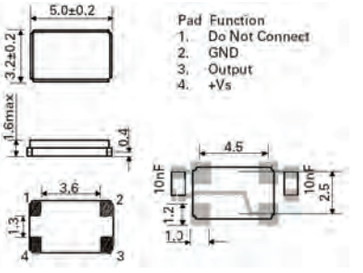
419581

Frequency MHz	Order Code	Price Each 1+	10+	100+
10	SMD **110-0747**	39.19	32.65	27.99
12.8	SMD **110-0748**	39.19	32.65	27.99
13	SMD **110-0751**	39.19	32.65	27.99
16.384	SMD **110-0752**	39.19	32.65	27.99
19.44	SMD **110-0753**	39.19	32.65	27.99
20	SMD **110-0754**	39.19	32.65	27.99
26	SMD **110-0755**	39.19	32.65	27.99
32.768	SMD **110-0756**	39.19	32.65	27.99
40	SMD **110-0757**	39.19	32.65	27.99

4-pin SMD Temperature Compensated Voltage Controlled Oscillator

C-MAC Frequency Products





A range of surface mount temperature compensated crystal oscillators providing a high degree of frequency stability over a wide temperature range.

SMD NEW

Supply Voltage	3V±0.3V	Output Waveform	Clipped Sinewave, DC-Coupled
Supply Current	2mA	Output	0.8V pk-pk
Ageing	±1ppm/ year typical in 1st year @ 25°C		

419601

Frequency MHz	Order Code	Price Each 1+	10+	100+
16.32	SMD **110-0761**	39.19	32.65	27.99
16.8	SMD **110-0763**	39.19	32.65	27.99
19.2	SMD **110-0765**	39.19	32.65	27.99
24.5535	SMD **110-0766**	39.19	32.65	27.99
26	SMD **110-0767**	39.19	32.65	27.99
33.6	SMD **110-0768**	39.19	32.65	27.99

Quartz Crystals

Watch Crystals



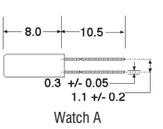
Watch A/B
Frequency 32.76800 KHz
Load Capacitance 12.5pF



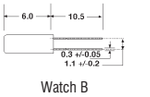
MC406/90SMX



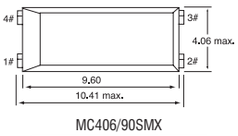
MC306



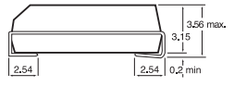
Watch A

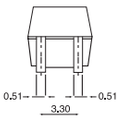


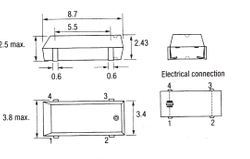
Watch B



MC406/90SMX







85SMX

● Compliant
● ◀ ++ Non-compliant
Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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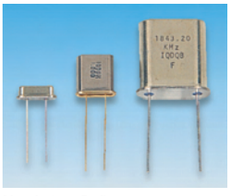
210572

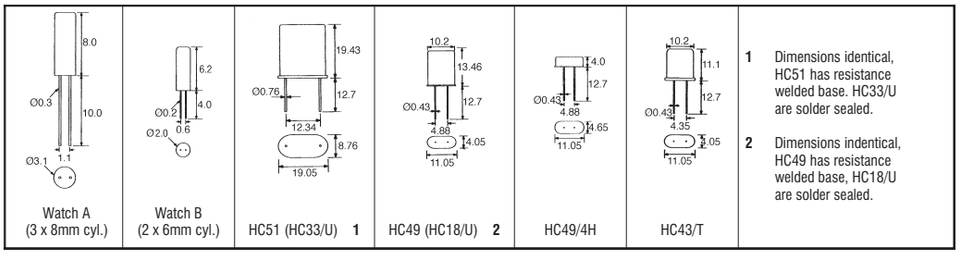
Can Style	Mftr.	Frequency Accuracy ±ppm @ 25°C	Temperature Range °C	Order Code	Price Each 1+	10+	100+	250+
Watch A	SEIK	±20	-10 to +60	**571-672**	2.76	1.87	1.10	0.86
Watch A	SEIK	±20	-10 to +60	**121-6227**	2.71	1.83	1.08	0.84
Watch A	AEL	±20	-10 to +60	**950-9682**	1.95	1.67	1.07	0.91
Watch B	CMAC	±20	-10 to +60	**971-2887**	0.69	0.59	0.50	0.41
Watch B	AEL	±20	-10 to +60	**950-9690**	2.52	2.02	1.17	0.94
85SMX	CMAC	±20	-20 to +70	SMD **971-3220**	3.36	2.34	1.56	1.20
90SMX	CMAC	±20	-10 to +60	SMD **571-635**▲‡	3.81	2.52	2.13	1.86
90SMX	CMAC	±20	-10 to +60	SMD **971-3727**	3.11	2.68	2.27	1.87
MC306	SEIK	±20	-40 to +85	**300-3127**	4.93	3.95	2.36	2.09
MC306	SEIK	±20	-40 to +85	**121-6208**	4.83	3.87	2.31	2.05
MC406	SEIK	±20	-40 to +85	SMD **563-249**	4.93	3.95	2.36	1.99
MC406	SEIK	±20	-40 to +85	SMD **121-6226**	4.93	3.95	2.36	1.99

For use with ICs and Microprocessors

CMAC Frequency Products



Manufacturer Prefix:
'A' or 'L' = CMAC, MC = MultiComp



Watch A (3 x 8mm cyl.) | Watch B (2 x 6mm cyl.) | HC51 (HC33/U) **1** | HC49 (HC18/U) **2** | HC49/4H | HC43/T

1 Dimensions identical, HC51 has resistance welded base. HC33/U are solder sealed.

2 Dimensions indentical, HC49 has resistance welded base, HC18/U are solder sealed.

A range of wire extended crystals of popular frequencies in standard can styles for use in general industrial and microprocessor applications. All types are parallel resonant unless otherwise stated under 'Load Cap' column.

210832

Frequency MHz	Can Style	Frequency Accuracy ±ppm @ 25°C	Temp. Stability ±ppm	Temperature Range °C	Load Cap	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
1.8432	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A113B	**971-2682**	4.21	3.62	3.08	2.53
2	HC49(HC18/U)	±50	±100ppm	0 to +50	20pF	LF A114E	**971-2690**	4.25	3.66	3.11	2.55
2.4576	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A116C	**971-2704**	3.12	2.69	2.28	1.87
3.2768	HC49(HC18/U)	±20	±30ppm	-10 to +60	12pF	A118B	**103-876**▲‡	4.62	2.70	2.16	1.44
3.2768	HC49(HC18/U)	±20	±30ppm	-10 to +60	12pF	LF A118B	**971-2275**	1.97	1.69	1.44	1.18
3.579545	HC49/4H	±30	±50ppm	-20 to +70	20pF	LF A119K	**971-2895**	1.90	1.63	1.38	1.14
3.579545	HC49(HC18/U)	±20	±50ppm	-10 to +60	20pF	LF A119C	**971-2712**	1.63	1.40	1.19	0.98
3.6864	HC49/4H	±30	±50ppm	-20 to +70	30pF	LF A169K	**971-2909**	1.90	1.63	1.38	1.14
3.6864	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A169A	**971-2364**	1.63	1.40	1.19	0.98
4	HC49/4H	±20	±50ppm	-10 to +60	30pF	LF A120K	**971-2917**	1.77	1.52	1.29	1.06
4	HC49(HC18/U)	±20	±10ppm	-20 to +70	30pF	LF A120A	**971-2283**	3.19	2.75	2.33	1.92
4	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A120B	**971-2720**	1.63	1.40	1.19	0.98
4.096	HC49(HC18/U)	±20	±20ppm	-20 to +70	30pF	LF A122A	**971-2771**	1.94	1.67	1.42	1.16
4.194304	HC49(HC18/U)	±20	±30ppm	-10 to +60	12pF	LF A123A	**971-2291**	1.77	1.52	1.29	1.06
4.433619	HC49(HC18/U)	±20	±30ppm	-10 to +60	20pF	A124D	**170-231**▲‡	2.44	1.86	1.65	1.29
4.433619	HC49(HC18/U)	±20	±30ppm	-10 to +60	20pF	LF A124D	**971-2739**	1.77	1.52	1.29	1.06
4.608	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A125C	**971-2836**	1.77	1.52	1.29	1.06
4.9152	HC49/4H	±30	±50ppm	-20 to +70	30pF	LF A127K	**971-2925**	1.49	1.28	1.09	0.90
4.9152	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A127A	**971-2305**	1.77	1.52	1.29	1.06
6.5536	HC49(HC18/U)	±20	±30ppm	-10 to +60	12pF	LF A135A	**971-2348**	1.77	1.52	1.29	1.06
5	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A128B	**971-2372**	1.77	1.52	1.29	1.06
5.0688	HC49(HC18/U)	±20	±50ppm	-10 to +60	Series	LF A129A	**971-2313**	1.77	1.52	1.29	1.06
6	HC49/4H	±30	±50ppm	-10 to +60	30pF	LF A132K	**971-2933**	1.49	1.28	1.09	0.90
6	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A132A	**971-2321**	1.77	1.52	1.29	1.06
6.144	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A133A	**971-2330**	1.73	1.49	1.26	1.04
6.5536	HC49(HC18/U)	±20	±30ppm	-10 to +60	12pF	LF A135A	**971-2348**	1.77	1.52	1.29	1.06
7.3728	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A194A	**971-2828**	1.63	1.40	1.19	0.98
7.3728	HC49/4H	±15	±30ppm	-10 to +60	18pF	LF A194L	**971-3719**	2.34	2.11	1.79	1.47
8	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	A140A	**103-914**▲‡	4.21	3.24	2.46	1.89
8	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A140A	**971-2380**	1.63	1.40	1.19	0.98
8	HC49/4H	±30	±50ppm	-20 to +70	30pF	LF A140K	**971-2844**	1.49	1.28	1.09	0.90
9.8304	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	A173A	**175-616**▲‡	2.44	2.04	1.56	1.23
9.8304	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A173A	**971-2798**	1.63	1.40	1.19	0.98
10	HC49(HC18/U)	±20	±10ppm	-20 to +70	30pF	LF A143A	**971-2356**	4.21	3.62	3.08	2.53
10	HC49(HC18/U)	±20	±50ppm	-10 to +60	30pF	LF A143E	**971-2747**	1.77	1.52	1.29	1.06
10	HC49/4H	±30	±50ppm	-20 to +70	30pF	LF A143K	**971-3697**	1.49	1.28	1.09	0.90
11	HC49(HC18/U)	±20	±30ppm	-10 to +60	30pF	A193A	**103-925**▲‡	2.44	2.04	1.65	1.32
11	HC49(HC18/U)	±20	±30ppm	-10 to +60	30pF	LF A193A	**971-2399**	1.77	1.52	1.29	1.06
11.0592	HC49(HC18/U)	±20	±30ppm	-10 to +60	20pF	LF L108A	**971-3107**	1.63	1.40	1.19	0.98
11.0592	HC49/4H	±30	±50ppm	-20 to +70	30pF	LF L108K	**971-3115**	1.49	1.28	1.09	0.90
12	HC49/4H	±30	±50ppm	-20 to +70	30pF	LF A158K	**971-2950**	1.49	1.28	1.09	0.90
12	HC49(HC18/U)	±20	±30ppm	-10 to +60	30pF	LF A158A	**971-2763**	1.63	1.40	1.19	0.98
14.31818	HC49(HC18/U)	±20	±50ppm	-10 to +60	Series	A153A	**170-749**▲‡	2.48	2.04	1.80	1.50
14.31818	HC49(HC18/U)	±20	±50ppm	-10 to +60	Series	LF A153A	**971-2780**	1.69	1.45	1.23	1.01
14.7456	HC49(HC18/U)	±20	±30ppm	-10 to +60	30pF	LF A159A	**971-2852**	1.70	1.46	1.24	1.02
16	HC49(HC18/U)	±20	±30ppm	-10 to +60	30pF	LF A161A	**971-2860**	1.63	1.40	1.19	0.98
16	HC49/4H	±30	±50ppm	-20 to +70	30pF	LF A161K	**971-3700**	1.63	1.40	1.19	0.98
20	HC49(HC18/U)	±20	±30ppm	-10 to +60	Series	LF A147C	**971-2755**	1.77	1.52	1.29	1.06
20	HC49/4H	±30	±50ppm	-20 to +70	12pF	LF A147K	**971-2879**	1.49	1.28	1.09	0.90
24	HC49(HC18/U)	±20	±50ppm	-10 to +60	Series	LF A189A	**971-2801**	1.83	1.57	1.33	1.10
32	HC49(HC18/U)	±20	±30ppm	-10 to +60	Series	LF A166A	**971-2810***	1.83	1.57	1.33	1.10

* These are 3rd overtone devices

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1479 Date: 22-08-06 time: 00:44

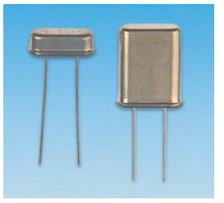
AEL CRYSTALS LIMITED



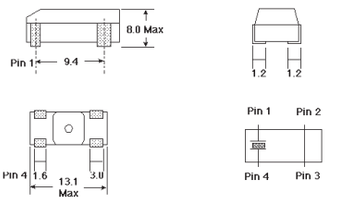
86SMX



CM309S



HC49/4H HC33/U, HC49/U



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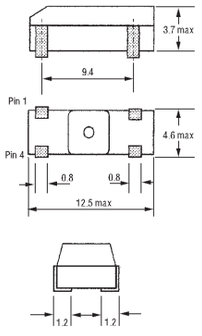
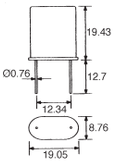
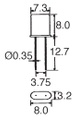


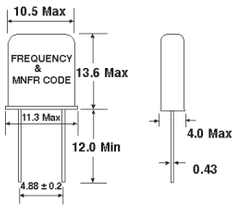
CM309S



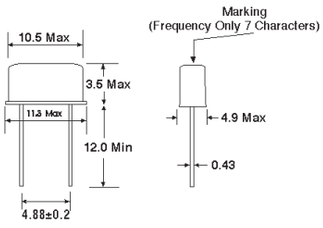
HC33/U



UM1



HC49/U



HC49/4H

210570

Frequency MHz	Can Style	Frequency Accuracy ±ppm @ 25°C	Temp. Stability ± ppm	Temperature Range °C	Load Cap	Order Code	Price Each 1+	10+	100+
0.3072	HC33/U	◆±100		-10 to +60	30pF	**950-9429**●	33.77	27.37	25.45
1.8432	HC49/U	20	50ppm	-10 to +60	30pF	**950-9623**●	6.39	4.76	4.03
2.4576	HC49/U	30	50ppm	-10 to +60	30pF	**569-823**‡	4.63	3.43	2.93
2.4576	HC49/U	30	50ppm	-10 to +60	30pF	**950-9631**●	4.63	3.43	2.93
3.2768	HC49/4H	30	50ppm	-10 to +60	12pF	**950-9445**●	7.65	4.85	3.56
3.579545	HC49/U	30	50ppm	-20 to +70	30pF	**493-065**‡	2.39	1.42	1.26
3.579545	HC49/U	30	50ppm	-20 to +70	30pF	**950-9569**●	2.39	1.42	1.26
3.6864	CM309S	50	100ppm	-10 to +70	30pF	SMD **699-810**‡	10.21	7.15	5.39
3.6864	CM309S	50	100ppm	-10 to +70	30pF	SMD **950-9933**●	10.21	7.15	5.39
3.6864	HC49/U	30	50ppm	-20 to +70	30pF	**950-9518**●	2.39	1.42	1.26
4	CM309S	50	100ppm	-10 to +70	30pF	SMD **699-822**‡	10.21	7.15	5.29
4	CM309S	50	100ppm	-10 to +70	30pF	SMD **950-9941**●	10.21	7.15	5.29
4	HC49/U	30	50ppm	-20 to +70	30pF	**950-9534**●	2.39	1.42	1.26
4.096	HC49/U	30	50ppm	-20 to +70	30pF	**950-9593**●	2.39	1.42	1.26
4.194304	HC49/U	30	50ppm	-20 to +70	12pF	**950-9585**●	2.39	1.42	1.26
4.194304	HC49/4H	30	50ppm	-10 to +60	30pF	**950-9801**●	3.21	2.43	1.92
4.433619	HC49/4H	30	50ppm	-10 to +60	20pF	**950-9810**●	4.50	3.24	2.30
4.608	HC49/4H	50	50ppm	-10 to +60	30pF	**950-9879**●	3.31	2.46	1.95
4.9152	HC49/U	30	50ppm	-20 to +70	30pF	**950-9550**●	2.39	1.42	1.26
5	HC49/U	20	50ppm	-10 to +60	30pF	**641-005**‡	3.24	2.30	1.86
5	HC49/U	20	50ppm	-10 to +60	30pF	**950-9909**●	3.24	2.30	1.86
6	HC49/U	30	50ppm	-20 to +70	30pF	**950-9577**●	2.43	1.39	1.20
7.3728	HC49/U	30	50ppm	-20 to +70	30pF	**950-9542**●	2.39	1.42	1.26
7.68	HC49/4H	30	50ppm	-10 to +60	30pF	**638-511**‡	4.50	3.24	2.30
7.68	HC49/4H	30	50ppm	-10 to +60	30pF	**950-9828**●	4.50	3.24	2.30
8	CM309S	50	100ppm	-10 to +70	30pF	SMD **950-9950**●	10.21	7.15	5.29
8	HC49/U	30	50ppm	-20 to +70	30pF	**950-9526**●	2.39	1.42	1.26
8.192	UMI	20	50ppm	-10 to +60	30pF	**950-9453**●	9.42	6.58	5.39
8.867237	HC49/U	20	50ppm	-10 to +60	20pF	**177-403**‡	5.51	2.74	1.64
8.867237	HC49/U	20	50ppm	-10 to +60	20pF	**950-9461**●	5.51	2.74	1.64
9.8304	HC49/4H	30	50ppm	-10 to +60	30pF	**638-523**‡	4.50	3.24	2.30
9.8304	HC49/4H	30	50ppm	-10 to +60	30pF	**950-9836**●	4.50	3.24	2.30
9.8304	HC49/U	20	50ppm	-10 to +60	30pF	**950-9917**●	3.59	2.43	1.92
10.752	HC49/4H	30	50ppm	-10 to +60	30pF	**950-9844**●	4.50	3.24	2.30
12	CM309S	50	100ppm	-10 to +70	30pF	SMD **950-9968**●	10.21	7.15	5.29
12	HC49/U	30	50ppm	-20 to +70	30pF	**950-9500**●	2.39	1.42	1.26
12.288	HC49/U	20	50ppm	-10 to +60	30pF	**950-9607**●	5.04	3.02	2.20
12.288	UMI	20	50ppm	-10 to +60	30pF	**177-404**‡	9.32	6.33	5.07
12.288	UMI	20	50ppm	-10 to +60	30pF	**950-9470**●	9.32	6.33	5.07
14	HC49/U	20	50ppm	-10 to +60	30pF	**950-9488**●	4.73	2.58	1.64
14.31818	HC49/U	20	50ppm	-10 to +60	30pF	**950-9615**●	6.02	3.72	2.61
14.7456	HC49/4H	30	50ppm	-10 to +60	30pF	**950-9852**●	4.50	3.24	2.30
15	HC49/U	20	50ppm	-10 to +60	30pF	**950-9437**●	4.73	2.36	1.58
16	CM309S	50	100ppm	-10 to +70	30pF	SMD **699-858**‡	10.21	7.15	5.29
16	CM309S	50	100ppm	-10 to +70	30pF	SMD **950-9976**●	10.21	7.15	5.29
18	HC49/4H	50	50ppm	-10 to +60	30pF	**950-9887**●	4.50	3.24	2.30
16	HC49/U	20	30ppm	-10 to +60	30pF	**950-9925**●	3.59	2.43	1.92
18.432	HC49/4H	30	50ppm	-10 to +60	30pF	**950-9860**●	4.50	3.24	2.30
19.6608	HC49/U	20	50ppm	-10 to +60	Series	**103-915**‡	4.52	2.99	1.99
19.6608	HC49/U	20	50ppm	-10 to +60	30pF	**950-9402**●	4.52	2.99	1.99
20	HC49/U	20	50ppm	-10 to +60	30pF	**950-9674**●	2.81	2.11	1.76
22.1184	HC49/U	20	50ppm	-10 to +60	30pF	**950-9410**●	6.02	3.72	2.61
24	HC49/4H	50	50ppm	-10 to +60	30pF	**950-9895**●	3.72	2.90	2.55

● Compliant
Non-compliant
++ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1480 Date: 22-08-06 time: 00:45

Frequency MHz	Can Style	Frequency Accuracy ±ppm @ 25°C	Temp. Stability ± ppm	Temperature Range °C	Load Cap	Order Code	Price Each 1+	10+	100+
24	HC49/4H	30	50ppm	-10 to +60	30pF	**950-9640**	3.59	2.71	2.30
24	CM309S	50	100ppm	-10 to +70	30pF	SMD **950-9658**	6.52	5.29	4.16
30	HC49/U	20	50ppm	-10 to +60	Series	**177-409‡***	7.53	5.29	4.41
30	HC49/U	20	50ppm	-10 to +60	30pF	**950-9496**	7.53	5.29	4.41
32	HC49/4H	30	50ppm	-10 to +60	30pF	**950-9666**	8.25	6.02	4.88

*3rd overtone device

◆ The frequency accuracy is expressed as an overall tolerance including initial calibration over the operating temperature range.

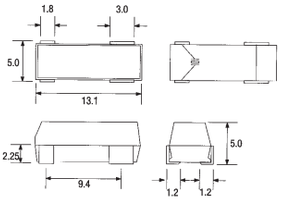
Surface Mount Crystals



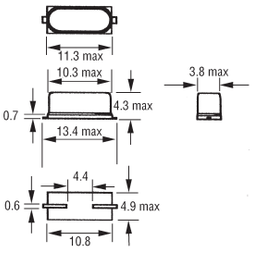
86SMX/CFPX86



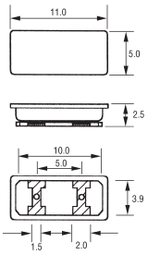
5SMX HC49/4HSMX



86SMX/CFPX86



HC49/4HSMX



5SMX

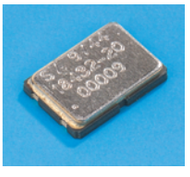
210477

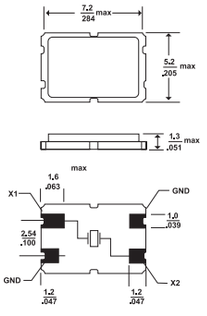
A range of quality surface mount crystals.

Frequency MHz	Can Style	Frequency Accuracy ±ppm @ 25°C	Temp. Stability ± ppm	Temperature Range °C	Load Cap	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
0.032768	CFPX-56	±100	20ppm	-10 to +60	12.5pF	LF XTAL025159	**110-0758**	1.95	1.63	1.14
0.032768	CFPX-157	±5	10ppm	-40 to +85	12.5pF	LF XTAL009501	**110-0759**	4.39	3.52	2.93
0.032768	CX-1-SM	±30	30ppm	-40 to +85	9pF	LF XTAL003426	**110-0760**	8.72	7.84	6.54
3.579545	86SMX	±50	100ppm	-20 to +70	20pF	LF A119D	SMD **971-3123**	1.75	1.50	1.28
3.579545	HC49/4HSMX	±30	50ppm	-10 to +60	16pF	LF A119E	SMD **971-3816**	3.69	3.17	2.69
3.6864	86SMX	±50	100ppm	-20 to +70	16pF	LF A169B	SMD **971-3131**	5.60	4.81	4.09
3.6864	HC49/4HSMX	±30	50ppm	-10 to +60	16pF	LF A169E	SMD **971-3824**	1.58	1.36	1.16
4	86SMX	±50	100ppm	-20 to +70	30pF	LF A120C	SMD **971-3140**	3.58	3.08	2.61
4	HC49/4HSMX	±30	50ppm	-10 to +60	16pF	LF A120E	SMD **971-3786**	1.53	1.32	1.12
4.9152	86SMX	±50	100ppm	-20 to +70	16pF	LF A127C	SMD **971-3158**	4.11	3.54	3.00
4.9152	HC49/4HSMX	±30	50ppm	-10 to +70	16pF	LF A127E	SMD **971-3301**	1.38	1.19	1.01
6	HC49/4HSMX	±30	50ppm	-10 to +70	30pF	LF A132S	SMD **971-3310**	1.53	1.32	1.12
8	86SMX	±50	100ppm	-20 to +70	16pF	LF A140C	SMD **971-3166**	3.58	3.08	2.61
8	HC49/4HSMX	±30	50ppm	-10 to +60	16pF	LF A140E	SMD **971-3794**	1.27	1.09	0.93
10	HC49/4HSMX	±30	50ppm	-10 to +70	16pF	LF A143G	SMD **971-3328**	1.27	1.09	0.93
11.0592	HC49/4HSMX	±30	50ppm	-10 to +70	16pF	LF L108E	SMD **971-3336**	1.27	1.09	0.93
12	86SMX	±50	100ppm	-20 to +70	16pF	LF A158D	SMD **971-3174**	3.58	3.08	2.61
12	HC49/4HSMX	±30	50ppm	-10 to +70	16pF	LF A158E	SMD **971-3344**	1.27	1.09	0.93
16	86SMX	±50	100ppm	-20 to +70	Series	LF A161E	SMD **971-3182**	1.27	1.09	0.93
16	HC49/4HSMX	±30	50ppm	-10 to +60	16pF	LF A161G	SMD **971-3808**	1.27	1.09	0.93
20	HC49/4HSMX	±30	50ppm	-10 to +70	16pF	LF A147E	SMD **971-3352**	1.27	1.09	0.93

Surface Mount Crystals

NKS7 Series





A series of miniature crystals in a standard 5 x 7mm ceramic package.

Frequency Range: 8MHz to 30MHz (Fundamental), 30MHz to 83MHz (3rd Overtone)
Operating temperature: -20°C to +70°C
Temperature Stability: ±50ppm
Load Capacitance: 8 to 32pF, or Series Resonant
Drive Level: 500µW max.
Shunt Capacitance: 7pF max.

211012

Frequency	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
8	NKS7-080-20	**120-9998**	11.29	8.63	7.10	5.50	– –
8.192	NKS7-082-20	**120-9999**	11.29	8.63	7.10	5.50	– –
9.8304	NKS7-098-20	**121-0000**	11.29	8.63	7.10	5.50	– –
10	NKS7-100-20	**121-0001**	11.29	8.63	7.10	5.50	– –
11.0592	NKS7-111-20-E	**121-0003**	11.29	8.63	7.10	5.50	– –
12	NKS7-120-20-E	**121-0004**	11.29	8.63	7.10	5.50	– –
14.31818	NKS7-143-20	**121-9010**	10.39	7.68	6.33	5.07	– –
16.384	NKS7-163-20-E	**121-0005**	11.29	8.63	7.10	5.50	– –
18.432	NKS7-184-20-E	**121-0006**	11.29	8.63	7.10	5.50	– –
19.6608	NKS7-196-20-E	**121-0007**	11.29	8.63	7.10	5.50	– –
24	NKS7-240-20-E	**121-0008**	11.29	8.63	7.10	5.50	– –
27	NKS7-270-20-E	**121-0009**	11.29	8.63	7.10	5.50	– –
32	NKS7-320-20-E	**121-0010**	11.29	8.63	7.10	5.50	– –
40	NKS7-400-20-E	**121-0011**	11.29	8.63	7.10	5.50	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1481 Date: 22-08-06 time: 00:46

NEW SERVICE FROM FARNELL

Product Watch
obsolescence notification

New obsolescence notification service - Product Watch, now available from Farnell. Helping you find the right product every time.

RoHS Directive

Worried about the part number lottery?
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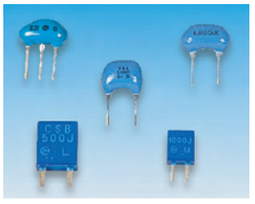
Don't risk anyone else for RoHS

Resonators



A range of small, lightweight, ultra low cost resonators designed for use in oscillator circuits. These components are made of high stability piezoelectric ceramics and have been developed to function as a reference signal generator (the frequency is primary adjusted by the size and thickness of the ceramic element). Typical applications include TVs, VCRs, automotive electronic devices, telephones, copiers, cameras, voice synsthesisers, communication equipment, remote control units, etc.

Ceramic resonators may also be used as the timing element in most microprocessor based equipment.

Initial tolerance ±0.5%.

CSx Prefix=Murata, NCZTx Prefix=Newport

muRata manufacturer of electronics

C&D TECHNOLOGIES

Freq. MHz	W	H	D	Lead Spacing	Mftrs. List No.	Order Code	Price Each 5+	10+	100+	250+
0.455	7.5	8.5	3.3	5	CSBLA455KJ58-B0	445-514	2.30	1.70	1.23	0.82
0.5	7.5	8.5	3.3	5	CSBLA500KJ58-B0.	295-231	1.80	1.35	1.10	0.65
0.5	7.5	8.5	3.3	5	CSBLA500KJ58-B0	117-0421	1.80	1.35	1.10	0.65
0.56	7.5	7.2	2.8	5	CSBLA560KJ58-B0.	445-526	2.80	2.05	1.48	1.01
0.56	7.5	7.2	2.8	5	CSBLA560KJ58-B0	117-0437	2.80	2.05	1.48	1.01
1	5	6	2.2	2.5	CSBLA1M00J58-B0	117-0422	4.16	3.06	2.36	0.94
2	10	10	5	5	CSALF2M00G55-B0	116-1711	3.09	2.24	1.76	0.91
2.45	10	7.5	5	5	CSALF2M45G55-B0	116-1707	2.58	1.86	1.42	0.82
3.58	10	7.5	5	5	CSALF3M58G55-B0	116-1692	1.86	1.32	1.04	0.60
3.69	10	7.5	5	5	CSALF3M69G55-B0	116-1709	2.58	1.86	1.42	0.82
4	10	7.5	5	5	CSALF4M00G55-B0	116-1694	2.27	1.61	1.23	0.66
4.19	10	7.5	5	5	CSALF4M19G55-B0	116-1695	1.86	1.32	1.04	0.60
5	10	7.5	5	5	CSALF5M00G55-B0	116-1697	2.58	1.86	1.42	0.82
6	10	7.5	5	5	CSALF6M00G55-B0	116-1698	2.27	1.61	1.23	0.66
8	10	10	5	5	CSALF8M00T55-B0	116-1699	2.30	1.64	1.32	0.72
12	10	10	5	5	CSALF12M0T55-B0	116-1700	2.30	1.64	1.32	0.72
16	10	10	5	5	CSALF16M0X55-B0	116-1701	1.98	1.45	1.10	0.60

The following 3 lead Ceramic Resonators can make up oscillation circuits without load capacitance.

210479

Freq. MHz	W	H	D	Lead Spacing	Mftrs. List No.	Order Code	Price Each 5+	10+	100+	250+
3.58	10	6	5	2.5	CSTLF3M58G55-B0	116-1703	1.42	1.01	0.79	0.60
4	10	6	5	2.5	CSTLF4M00G55-B0	116-1704	1.42	1.01	0.79	0.60
4.19	10	6	5	2.5	CSTLF4M19G55-B0	116-1705	1.42	1.01	0.79	0.60
6	10	6	5	2.5	CSTLF6M00G55-B0	116-1706	1.42	1.01	0.79	0.60
8	10	8	5	2.5	CSTLF8M00T55-B0	116-1712	1.95	1.39	1.07	0.91

AVX A KYOCERA GROUP COMPANY



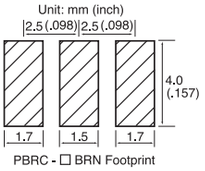
A range of high quality, leaded and surface mount, Ceramic Resonators for oscillator circuit designs. Frequency tolerance ±0.5%.

Freq. MHz	W	H	D	Lead Spacing	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
2.0	7.4	2.0	3.4	5.0	PBRC2.00GR50X000	SMD 120-9934	7.26	4.78	3.94	2.25
4.0	7.4	2.0	5.0	5.0	PBRC4.00GR50X000	SMD 120-9937	1.82	1.71	1.61	1.50
4.19	7.4	2.0	3.4	5.0	PBRC4.19GR50X000	SMD 121-8527	1.96	1.85	1.74	1.61
6.0	7.4	2.0	3.4	5.0	PBRC6.00GR50X000	SMD 121-8528	2.70	2.54	2.39	2.21
8.0	7.4	2.0	5.0	5.0	PBRC8.00GR50X000	SMD 120-9938	6.90	5.05	3.74	2.12

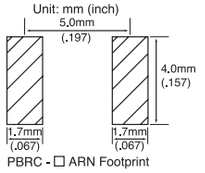
The following 3 lead Ceramic Resonators can make up oscillation circuits without load capacitance. These are Resonators with built-in capacitor.

210589

Freq. MHz	W	H	D	Lead Spacing	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
2.0	7.4	2.0	3.4	2.5	PBRC2.00HR50X000	SMD 121-8531	2.86	2.38	2.05	1.79
3.58	7.4	2.0	3.4	2.5	PBRC3.58HR50X000	SMD 120-9940	4.62	3.48	2.54	1.40
4.0	7.4	2.0	3.4	2.5	PBRC4.00HR50X000	SMD 120-9941	4.85	3.61	2.67	1.53
4.19	7.4	2.0	3.4	2.5	PBRC4.19HR50X000	SMD 121-8532	1.92	1.81	1.70	1.58
6.0	7.4	2.0	3.4	2.5	PBRC6.00HR50X000	SMD 120-9939	7.78	5.70	4.10	2.34
8.0	7.4	2.0	3.4	2.5	PBRC8.00HR50X000	SMD 120-9943	7.45	5.40	4.00	2.28
10.0	7.4	2.0	3.4	2.5	PBRC10.00HR50X0RZ	SMD 121-8533	3.36	3.16	2.97	2.75
12.0	7.4	2.0	3.4	2.5	PBRC12.00HR50X0RZ	SMD 121-8535	3.36	3.16	2.97	2.75
16.0	7.4	2.0	3.4	2.5	PBRC16.00HR50X0RZ	SMD 121-8536	3.36	3.16	2.97	2.75
20.0	7.4	2.0	3.4	2.5	PBRC20.00HR50X000	SMD 121-8537	4.18	3.93	3.70	3.42



PBRC - ☐ BRN Footprint



PBRC - ☐ ARN Footprint

● Compliant
● ◀ ++ Non-compliant
Limited stock - RoHS replacement available

RoHS

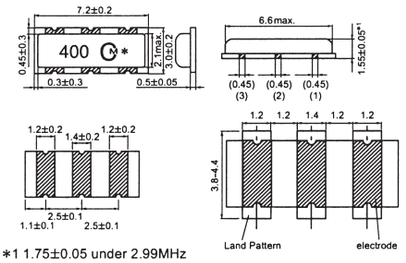
C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1482 Date: 22-08-06 time: 00:48

CSTCC Ceramic Resonators



CSTCC Series



*1 1.75±0.05 under 2.99MHz

- The CSTCC/CR series of SMD Resonators offer an alternative to quartz crystal as a clock source for ICs
- Three terminal design includes built in loading capacitors which reduces external circuitry and cost of design
- Smaller than equivalent quartz crystal
- Rise time for ceramic resonator is approx. 1/100th that for quartz crystal
- Total tolerance as low as ±0.5%

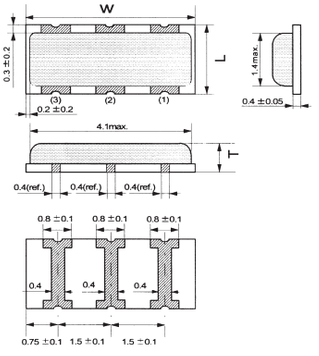
227473

Freq. MHz	W	H	D	Lead Spacing	Mftrs. List No.	Order Code	Price Each 5+	10+	100+	250+
2	7.2	1.55	3	2.5	CSTCC2M00G53-R0.	**353-0814**	2.24	1.64	1.20	0.82
2	7.2	1.55	3	2.5	CSTCC2M00G53-R0	**117-0423**	2.24	1.64	1.20	0.82
3.58	7.2	1.55	3	2.5	CSTCC3M58G53-R0.	**353-0826**	1.76	1.29	0.94	0.63
3.58	7.2	1.55	3	2.5	CSTCC3M58G53-R0	**117-0424**	1.76	1.29	0.94	0.63
3.64	7.2	1.55	3	2.5	CSTCC3M64G53-R0	**117-0425**	1.86	1.39	1.04	0.69
3.68	7.2	1.55	3	2.5	CSTCC3M68G53-R0.	**353-0840**	1.86	1.39	1.04	0.69
3.68	7.2	1.55	3	2.5	CSTCC3M68G53-R0	**117-0426**	1.86	1.39	1.04	0.69
3.84	7.2	1.55	3	2.5	CSTCC3M84G53-R0.	**353-0851**	1.73	1.33	0.98	0.64
3.84	7.2	1.55	3	2.5	CSTCC3M84G53-R0	**117-0427**	1.73	1.33	0.98	0.64
8	7.2	1.55	3	2.5	CSTCC8M00G53-R0.	**353-0917**	1.86	1.39	1.04	0.69
8	7.2	1.55	3	2.5	CSTCC8M00G53-R0	**117-0435**	1.86	1.39	1.04	0.69
10	7.2	1.55	3	2.5	CSTCC10M0G53-R0.	**353-0929**	2.08	1.54	1.13	0.76
10	7.2	1.55	3	2.5	CSTCC10M0G53-R0	**117-0436**	2.08	1.54	1.13	0.76

CSTCR Ceramic Resonators



CSTCR Series



- The CSTCR range are the world's smallest resonators at these frequencies
- The gold terminals are compatible with conductive adhesive based Pb free process
- Three terminal design includes built in loading capacitors which reduces external circuitry and cost of design
- Smaller than equivalent quartz crystal
- Rise time for ceramic resonator is approx. 1/100th that for quartz crystal
- Total tolerance as low as ±0.5%

227474

Freq. MHz	W	H	D	Lead Spacing	Mftrs. List No.	Order Code	Price Each 5+	10+	100+	250+
4	4.5	1.15	2	1.5	CSTCR4M00G53-R0.	**353-0863**	2.30	1.70	1.23	0.82
4	4.5	1.15	2	1.5	CSTCR4M00G53-R0	**117-0428**	2.30	1.70	1.23	0.82
4.19	4.5	1.15	2	1.5	CSTCR4M19G53-R0.	**353-0875**	2.30	1.70	1.23	0.82
4.19	4.5	1.15	2	1.5	CSTCR4M19G53-R0	**117-0431**	2.30	1.70	1.23	0.82
4.91	4.5	1.15	2	1.5	CSTCR4M91G53-R0.	**353-0887**	2.52	1.86	1.35	0.91
4.91	4.5	1.15	2	1.5	CSTCR4M91G53-R0	**117-0432**	2.52	1.86	1.35	0.91
5	4.5	1.15	2	1.5	CSTCR5M00G53-R0.	**353-0899**	2.30	1.70	1.23	0.82
5	4.5	1.15	2	1.5	CSTCR5M00G53-R0	**117-0433**	2.30	1.70	1.23	0.82
6	4.5	1.15	2	1.5	CSTCR6M00G53-R0.	**353-0905**	2.30	1.70	1.23	0.82
6	4.5	1.15	2	1.5	CSTCR6M00G53-R0	**117-0434**	2.30	1.70	1.23	0.82

A/D & D/A Convertors

414034

Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
8-Bit A/D												
081 NSC	6	SOT-23	0.07	1	1MSPS, 8-Bit A/D Converter	ADC081S101CIMF	SMD **100-7977**	5.38	3.91	2.93	– –	– –
082 NSC	8	MSOP	0.04	5	2 Channel, 200 KSPS, 8-Bit A/D Converter	ADC082S021CIMM	SMD **100-7978**	4.34	3.07	2.24	– –	– –
082 NSC	8	MSOP	0.09	2	2 Channel, 500 kSPS, 8-Bit A/D Converter	ADC082S051CIMM	SMD **100-7979**	5.44	3.95	2.96	– –	– –
082 NSC	8	MSOP	0.1	1	2 Channel, 1 MSPS, 8-Bit A/D Converter	ADC082S101CIMM	SMD **100-7980**	6.73	4.89	3.66	– –	– –
084 NSC	10	MSOP	0.09	2	4 Channel, 500 kSPS, 8-Bit A/D Converter	ADC084S051CIMM	SMD **100-7983**	6.19	4.50	3.37	– –	– –
084 NSC	10	MSOP	0.1	1	4 Channel, 1 MSPS, 8-Bit A/D Converter	ADC084S101CIMM	SMD **100-7984**	7.75	5.63	4.22	– –	– –
540 TI	20	PDIP	0.5	9	8-BIT A-D Converter, 75 KSPS	TLC540IN	**845-4337**	7.74	5.92	4.52	3.98	– –
548 TI	8	PDIP	0.5	17	8-BIT A-D Converter, 45.5 KSPS	TLC548CP	**845-4345**	5.72	4.38	3.34	2.94	– –
549 TI	8	DIL	0.5	17	C, S, S/A	TLC549IP..	**396-321**	4.45	3.41	2.60	2.29	– –
549 TI	8	DIL	0.5	17	C, S, S/A	TLC549IP	**110-6008**	4.62	3.53	2.70	2.37	– –
549 TI	8	SOIC	0.5	17	8-BIT A-D Converter, 40 KSPS	TLC549CD	SMD **845-4353**	3.96	3.03	2.31	2.03	– –
549 TI	8	PDIP	0.5	17	8-BIT A-D Converter, 40 KSPS	TLC549CP	**845-4361**	4.18	3.20	2.44	2.15	– –
571 TI	24	SOIC	0.5		8-BIT A-D Converter	TLV571IDW	SMD **845-5864**	10.34	7.91	6.04	5.31	– –
803 NSC	20	DIL	0.5	100	C, MC, P, S/A	ADC0803LCN.	**396-163**‡	8.50	6.18	4.63	– –	– –
803 NSC	20	DIL	0.5	100	C, MC, P, S/A	ADC0803LCN	**948-6577**	8.50	6.18	4.63	– –	– –
804 NSC	20	SOIC	1	100	C, MC, P, S/A	ADC0804LCWM	SMD **948-6585**	4.89	3.56	2.66	– –	– –
804 NSC	20	DIL	1	100	C, MC, P, S/A	ADC0804LCN	**948-6593**	5.97	4.34	3.25	– –	– –
808 NSC	28	DIL	0.5	100	8-Channel, MC, P, S/A	ADC0808CCN.	**397-787**‡	10.32	7.97	6.24	– –	– –
808 NSC	28	DIL	0.5	100	8-Channel, MC, P, S/A	ADC0808CCN	**948-6674**	10.32	7.97	6.24	– –	– –
809 NSC	28	DIL	1	100	8-Channel, MC, P, S/A	ADC0809CCN.	**397-799**‡	8.23	5.99	4.49	– –	– –
809 NSC	28	DIL	1	100	8-Channel, MC, P, S/A	ADC0809CCN	**948-6682**	8.23	5.99	4.49	– –	– –
817 NSC	40	DIL	1	100	16-Channel, MC, P, S/A	ADC0817CCN.	**397-805**‡	15.68	12.22	9.57	– –	– –
817 NSC	40	DIL	1	100	16-Channel, MC, P, S/A	ADC0817CCN	**948-6690**	15.68	12.22	9.57	– –	– –
820 TI	20	PDIP	1	2.5	8-BIT A-D Converter, 392 KSPS	TLC0820ACN	**845-3691**	8.36	6.40	4.88	4.30	– –
820 TI	20	PDIP	1	2.5	8-BIT A-D Converter, 392 KSPS	TLC0820AIN	**845-3705**	8.97	6.87	5.24	4.61	– –
831 NSC	8	DIL	1	32	MC, S, S/A	ADC0831CCN.	**396-205**‡	5.33	3.95	2.96	– –	– –
831 TI	20	SOIC	2	100	C, P, R, T/H	ADS831EG4	SMD **121-4357**	12.32	9.42	7.81	6.96	– –
831 BB	20	SOIC	2	100	C, P, R, T/H	ADS831E	SMD **332-3626**	12.32	9.42	7.81	6.96	– –
831 TI	8	PDIP	0.4	32	8-BIT A-D Converter, 31KSPS	TLC0831CP	**845-3721**	6.29	4.81	3.68	3.23	– –
831 TI	8	PDIP	0.4	32	8-BIT A-D Converter, 31KSPS	TLC0831IP	**845-3730**	6.69	5.12	3.91	3.44	– –
831 NSC	8	DIL	1	32	MC, S, S/A	ADC0831CCN	**948-6607**	5.33	3.95	2.96	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
838	NSC	20	DIL	1	32	8-Channel, MC, S, S/A	ADC0838CCN	948-6615●	5.14	3.84	2.88	– –	– –
844	NSC	20	DIL	1	40	4-Channel, C, MC, P, S/A	ADC0844CCN.	396-229‡	9.96	7.43	5.57	– –	– –
844	NSC	20	DIL	1	40	4-Channel, C, MC, P, S/A	ADC0844CCJ	949-814▲	19.20	14.51	11.26	– –	– –
844	NSC	20	DIL	1	40	4-Channel, C, MC, P, S/A	ADC0844CCN	948-6623●	9.96	7.43	5.57	– –	– –
848	NSC	24	DIL	1	40	8-Channel, C, MC, P, S/A	ADC0848CCN.	396-230‡	10.98	8.22	6.16	– –	– –
848	NSC	28	PLCC	1	40	8-Channel, C, MC, P, S/A	ADC0848CCV.	SMD 949-863‡	10.19	7.97	6.24	– –	– –
848	NSC	24	DIL	1	40	8-Channel, C, MC, P, S/A	ADC0848CCN	948-6631●	10.98	8.22	6.16	– –	– –
848	NSC	28	PLCC	1	40	8-Channel, C, MC, P, S/A	ADC0848CCV	SMD 949-4308●	10.19	7.97	6.24	– –	– –
1111	MAX	16	QSOP	1	55	(4 channel), C, R, S/A, T/H	MAX1111CEE+	SMD 972-5237●	10.97	8.73	6.23	– –	– –
1112	MAX	20	SSOP	1	55	8-Channel, C, R, S/A, T/H	MAX1112CAP+	SMD 118-7989●	12.06	9.62	6.86	– –	– –
1173	NSC	24	SOIC	0.8	0.018	R, S/H	ADC1173CIJM	SMD 948-5783●	5.65	4.13	3.10	– –	– –
1173	NSC	24	TSSOP	0.8	0.018	R, S/H	ADC1173CIMTC	SMD 977-8179●	5.65	4.23	3.17	– –	– –
5540	TI	24	SOIC	1	40	C, L, P, R, S/H	TLC5540INS	SMD 110-2961●	9.66	7.39	6.12	5.46	– –
5540	TI	24	SOIC	1	40	C, L, P, R, S/H	TLC5540INS.	SMD 334-9779	10.38	7.94	6.06	5.33	– –
7468	ADI	8	MSOP	0.2	4.7	1.6V, S/A, T/H	AD7468BRM	SMD 839-7309▲	3.39	2.91	2.40	– –	– –
7478	ADI	8	MSOP	0.3	600	MC, S/A, T/H	AD7478AARMZ	SMD 942-6353●	2.82	2.40	1.98	– –	– –
7478	NSC	6	SOT-23	0.5	1	C, S/A, T/H	ADCS7478AIMF	SMD 977-9736●	5.33	3.91	2.93	– –	– –
7575	ADI	18	DIL	1	5	C, P, S/A, S/H	AD7575JNZ	107-9349●	16.17	13.23	9.78	– –	– –
7813	ADI	16	DIL	1	2.3	C, P, R, S/A, T/H	AD7813YNZ	107-9302●	8.68	7.23	5.79	– –	– –
7819	ADI	16	DIL	1	4.5	C, P, R, S/A, T/H	AD7819YNZ	107-9303●	6.67	5.56	4.45	– –	– –
7820	ADI	20	DIL	1	1.6	C, P, S/H	AD7820KNZ	107-9350●	30.33	26.43	18.39	– –	– –
7822	ADI	20	DIL	0.75	0.42	3V/5V Flash C, P, R, T/H	AD7822BNZ	107-9304●	10.05	8.38	6.70	– –	– –
7823	ADI	8	DIL	0.5	4.5	S, S/A, T/H	AD7823YNZ	114-3218●	6.67	5.56	4.45	– –	– –
7824	ADI	24	DIL	1	2	4-Channel, C, P, S/H	AD7824KNZ	107-9351●	29.00	24.17	19.33	– –	– –
7825	ADI	24	DIL	0.75	0.42	4-Channel, 3V/5V Flash C, P, R, T/H	AD7825BNZ	107-9305●	11.59	9.66	7.73	– –	– –
7827	ADI	8	DIL	0.5	0.42	R, S, T/H, V	AD7827BNZ	114-3181●	8.84	7.36	5.89	– –	– –
7828	ADI	28	DIL	1	2	8-Channel, C, P, S/H	AD7828KNZ	107-9352●	32.07	26.25	19.47	– –	– –
7829	ADI	28	DIL	0.75	0.42	8-Channel, 3V/5V Flash C, P, R, T/H	AD7829BNZ	114-3184●	12.59	10.50	8.40	– –	– –
7904	ADI	16	TSSOP	0.2	800	4-Channel, MS, S/A, T/H	AD7904BRUZ	SMD 114-3209●	4.97	4.14	3.31	– –	– –
7908	ADI	20	TSSOP	0.2	0.8	4-Channel, MS, S/A, T/H	AD7908BRUZ	SMD 114-3280●	5.94	4.95	3.96	– –	– –
8083	TI	100	HTQFP	1.5		8-BIT A-D Converter, 80MSPS TRIPLE	THS8083APZPG4	SMD 120-7277●	24.32	20.90	18.02	16.21	– –
08100	NSC	24	TSSOP	0.4		A/D Converter, 8-Bit, 20 MSPS to 100 MSPS, 1.3 mW/MSPS	ADC08100CIMTC	SMD 818-0679●	16.86	12.74	9.98	– –	– –
08200	NSC	24	TSSOP	0.4		A/D Converter, 8-Bit, 20 MSPS to 200 MSPS, 1.05 mW/MSPS	ADC08200CIMT	SMD 820-6805●	22.87	20.35	18.44	– –	– –
8591	PS	16	DIL	1.5	90	C, T/H (A/D & D/A Converter)	PCF8591P	396-412●	11.64	9.32	6.99	5.46	– –
9280	ADI	28	SSOP	0.5	0.03	C, R, S/H	AD9280ARSZ	SMD 960-3727●	5.61	4.83	4.02	– –	– –
9281	ADI	28	SOIC	0.1	0.031	2-Channel, C, R, S/H	AD9281ARSZ	SMD 114-3182●	10.14	8.67	7.23	– –	– –
9480	ADI	44	TQFP	0.26	0.004	250MSPS, C, P, R, T/H	AD9480ASUZ-250	SMD 107-8245●	52.62	45.12	37.59	– –	– –
9480	ADI	44	TQFP	0.5		3.3V, R, T/H	AD9480BSUZ-250	SMD 839-8283●	70.86	60.72	50.61	– –	– –
9481	ADI	44	TQFP	0.26	0.004	250MSPS, C, P, R, T/H	AD9481BSUZ-250	SMD 107-8244●	52.62	45.12	37.59	– –	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

414035

	Mftr.	Pins	Pkg	Line-arity Error ± LSB	Conver-sion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
10-Bit A/D													
101	NSC	6	SOT-23	0.3	1	1MSPS, 10-Bit A/D Converter in SOT-23	ADC101S101CIMF	SMD 100-7985●	6.62	4.81	3.61	– –	– –
102	NSC	8	MSOP	0.13	5	2 Channel, 200 KSPS, 10-Bit A/D Converter	ADC102S021CIMM	SMD 100-7986●	5.76	4.19	3.14	– –	– –
102	NSC	8	MSOP	0.13	2	2 Channel, 500 kSPS, 10-Bit A/D Converter	ADC102S051CIMM	SMD 100-7987●	7.43	5.40	4.05	– –	– –
102	NSC	8	MSOP	0.26	1	2 Channel, 1 MSPS, 10-Bit A/D Converter	ADC102S101CIMM	SMD 100-7988●	9.42	6.85	5.13	– –	– –
104	NSC	10	MSOP	0.13	5	4 Channel 200 kSPS, 10-Bit A/D Converter	ADC104S021CIMM	SMD 100-7989●	6.57	4.77	3.58	– –	– –
104	NSC	10	MSOP	0.13	2	4 Channel 500 kSPS, 10-Bit A/D Converter	ADC104S051CIMM	SMD 100-7990●	8.40	6.10	4.57	– –	– –
104	NSC	10	MSOP	0.26	1	4 Channel 1 MSPS, 10-Bit A/D Converter	ADC104S101CIMM	SMD 100-7991●	10.60	7.71	5.78	– –	– –
573	ADI	20	DIL	1	30	MC, P, R, S/A	AD573JNZ	107-9353●	68.58	57.15	45.72	– –	– –
820	BB	28	SOIC	1	0.05	C, R, T/H	ADS820U	SMD 701-816	22.04	18.93	16.33	14.69	– –
820	TI	28	SOIC	1	0.05	C, R, T/H	ADS820UG4	SMD 121-4452●	22.04	18.93	16.33	14.69	– –
1243	MAX	8	SOIC	1	7.5	R, S, S/A, T/H	MAX1243BCSA+	SMD 118-7991●	16.53	12.65	9.02	– –	– –
1504	TI	16	SOIC	0.5	3.86	10-BIT A-D Converter, 200KSPS	TLV1504ID	SMD 845-4892●	10.36	7.93	6.57	5.86	– –
1541	TI	20	DIL	1	21	11-Channel, C, MC, S, S/A	TLC1541IN..	396-450	13.48	10.31	8.54	7.62	– –
1541	TI	20	DIL	1	21	11-Channel, C, MC, S, S/A	TLC1541IN	110-6009●	14.27	10.92	9.05	8.07	– –
1543	TI	20	PDIP	1	21–	10-BIT A-D Converter, 38KSPS	TLC1543CN	845-3756●	8.36	6.40	4.88	4.30	– –
1549	TI	8	SOIC	1	21	10-BIT A-D Converter, 38KSPS	TLC1549CD	SMD 845-3764●	7.92	6.06	4.63	4.07	– –
1549	TI	8	PDIP	1	21	10-BIT A-D Converter, 38KSPS	TLC1549CP	845-3772●	8.36	6.40	4.88	4.30	– –
1572	TI	8	SOIC	1		10-BITA-D Converter, 1.25MSPS	TLV1572ID	SMD 845-4906●	13.88	10.62	8.80	7.85	– –
5767	INTS	28	TSSOP	0.75	60	C, R	HI5767/6CB	SMD 302-5524▲‡	28.81	23.61	20.97	17.65	– –
5767	INTS	28	TSSOP	0.75	60	C, R	HI5767/6CBZ	SMD 966-3487●	25.05	22.07	19.60	17.65	– –
7440	ADI	8	MSOP	0.5	0.888	1 MSPS, S/A, T/H, Differential Input	AD7440BRM	SMD 839-7236▲	7.38	6.33	5.22	– –	– –
7441	ADI	8	MSOP	0.5	0.888	1 MSPS, S/A, T/H, Psuedo Differential Input	AD7441BRMZ	SMD 114-3257●	7.83	6.53	5.22	– –	– –
7467	ADI	8	MSOP	0.5	4.7	1.6V, MC, S/A	AD7467BRM	SMD 839-7295▲	5.61	4.80	3.99	– –	– –
7470	ADI	24	TSSOP	0.9	1.75	MC, P, S/A, T/H	AD7470ARUZ	SMD 942-5985●	9.61	8.01	6.41	– –	– –
7477	ADI	8	MSOP	0.5	700	MC, S/A, T/H	AD7477AARMZ	SMD 114-3208●	7.38	6.33	5.22	– –	– –
7477	NSC	6	SOT-23	0.5	1–	1MSPS, C, S/A, T/H	ADCS7477AIMF	SMD 977-9728●	6.62	4.81	3.61	– –	– –
7579	ADI	24	DIL	1	18.5	C, MC, P, S/A, S/H	AD7579JNZ	107-9354●	31.96	26.64	21.31	– –	– –
7811	ADI	16	DIL	1	2.3	4-Channel, C, R, S/A, T/H	AD7811YNZ	107-9299●	9.90	8.25	6.60	– –	– –
7812	ADI	20	DIL	1	2.3	8-Channel, C, R, S/A, T/H	AD7812YNZ	107-9301●	11.27	9.39	7.51	– –	– –
7817	ADI	16	SOIC	2	9	4-Channel, C, R, S/A, T, T/H	AD7817ARZ	SMD 942-5683●	10.26	8.55	6.84	– –	– –
7911	ADI	8	TSOT	1.5	4	2-Channel, 250kSPS, MC, S, S/A	AD7911AUJZ-R2	SMD 107-8326●	6.37	5.31	4.25	– –	– –
7911	ADI	8	MSOP	0.5	2.8	2-Channel, 250kSPS, S/A, T/H	AD7911ARMZ	SMD 839-7686●	5.91	5.07	4.17	– –	– –
7912	ADI	8	MSOP	0.5	1	2-Channel, 1MSPS, MC, S, S/A	AD7912ARMZ	SMD 107-8325●	8.10	6.93	5.76	– –	– –
7914	ADI	16	TSSOP	0.5	800	4-Channel, MC, S/A, T/H	AD7914BRUZ	SMD 114-3210●	9.42	7.85	6.28	– –	– –
7933	ADI	28	TSSOP	1	0.666	4-Channel, 1.5MSPS, MC, P, R, S/A, T/H	AD7933BRUZ	SMD 107-8322●	11.23	9.36	7.49	– –	– –
7939	ADI	32	LFCSP	1	0.666	8-Channel, 1.5MSPS, MC, P, R, S/A, T/H	AD7939BCPZ	SMD 107-8313●	11.07	9.48	7.83	– –	– –
7939	ADI	32	TQFP	1	0.666	8-Channel, 1.5MSPS, MC, P, R, S/A, T/H	AD7939BSUZ	SMD 107-8314●	11.07	9.48	7.83	– –	– –
7993	ADI	16	TSSOP	0.5	2	4-Channel, S, S/A, T/H	AD7993BRUZ-0	SMD 107-8309●	5.58	4.77	3.96	– –	– –
7993	ADI	16	TSSOP	0.5	2	4-Channel, S, S/A, T/H	AD7993BRUZ-1	SMD 107-8310●	6.37	5.31	4.25	– –	– –
7997	ADI	20	TSSOP	0.5	2	8-Channel, S, S/A, T/H	AD7997BRUZ-0	SMD 107-8304●	6.18	5.31	4.38	– –	– –
7997	ADI	20	TSSOP	0.5	2–	8-Channel, S, S/A, T/H	AD7997BRUZ-1	SMD 107-8305●	6.63	5.67	4.71	– –	– –
9201	ADI	28	SOIC	0.4	0.05–	2-Channel, C, R, S/H	AD9201ARSZ	SMD 107-9291●	15.51	12.92	10.34	– –	– –
9215	ADI	28	TSSOP	0.25	–	3V, 105MSPS, S/H	AD9215BRUZ-105	SMD 114-3302●	34.44	29.49	24.60	– –	– –
9215	ADI	28	TSSOP	0.25		3V, 65MSPS, S/H	AD9215BRUZ-65	SMD 114-3303●	21.78	16.32	13.05	– –	– –
9215	ADI	28	TSSOP	0.25		3V, 80MSPS, S/H	AD9215BRUZ-80	SMD 114-3304●	26.88	23.01	19.20	– –	– –
9215	ADI	32	LFCSP	0.25	9.5	3V, 105MSPS, S/H	AD9215BCPZ-105	SMD 839-8143●	34.44	29.49	24.60	– –	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
9215	ADI	32	LFCSP	0.25	12.5	3V, 80MSPS, S/H	AD9215BCPZ-80	SMD 839-8160	26.88	23.01	19.20	– –	– –
9216	ADI	64	LFCSP	0.5	0.00952	2-Channel, 105MSPS, P, R, S/H	AD9216BCPZ-105	SMD 107-8256	49.62	42.54	35.46	– –	– –
9216	ADI	64	LFCSP	0.5	0.01538	2-Channel, 65MSPS, P, R, S/H	AD9216BCPZ-65	SMD 107-8257	32.16	27.57	22.95	– –	– –
9216	ADI	64	LFCSP	1	0.0125	2-Channel, 80MSPS, P, R, S/H	AD9216BCPZ-80	SMD 107-8258	37.77	32.40	26.97	– –	– –
9411	ADI	100	TQFP	0.25	–	3.3V, 170/200MSPS, R, T/H	AD9411BSVZ-170	SMD 114-3309	105.36	90.30	75.21	– –	– –
9833	ADI	10	MSOP	1	–	Low Power 20 mW 2.3 V to 5.5 V Programmable Waveform Generator	AD9833BRMZ	SMD 114-3310	14.04	9.51	8.28	– –	– –
10040	NSC	28	TSSOP	0.3	–	3V, 40MSPS, C, S/H	ADC10040CIMT.	SMD 757-6870‡	14.61	11.19	8.76	– –	– –
10065	NSC	28	TSSOP	0.3	–	3V, 65MSPS, C, S/H	ADC10065CIMT.	SMD 757-6862‡	16.23	12.43	9.74	– –	– –
10080	NSC	28	TSSOP	0.25	–	3V, 80MSPS, C, S/H	ADC10080CIMT.	SMD 757-6854‡	17.18	12.98	10.16	– –	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

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	Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
12-Bit A/D													
2	ADI	44	LQFP			12-Bit R/D Converterwith Reference Oscillator	AD2S1200WSTZ	SMD 114-3228	29.88	28.86	24.87	– –	– –
2	ADI	44	LQFP			12-Bit R/D Converterwith Reference Oscillator	AD2S1200YSTZ	SMD 114-3229	37.32	36.09	31.11	– –	– –
11	NSC	64	TQFP	0.25		Dual 11-Bit, 66 MSPS, 450 MHz Input Bandwidth A/D Converter w/Internal Reference	ADC11DL066CIVS	SMD 818-0687	49.91	43.34	39.49	– –	– –
12	NSC	64	TQFP	0.3		Dual 12-Bit, 40 MSPS, 3V, 210mW A/D Converter	ADC12DL040CIVS	SMD 100-8000	41.86	36.35	33.12	– –	– –
12	NSC	64	TQFP	0.4		Dual 12-Bit, 40 MSPS, 600 mW A/D Converter with Internal/External Reference	ADC12D040CIVS	SMD 818-0695	36.39	31.60	28.79	– –	– –
12	NSC	64	TQFP	0.5		Dual 12-Bit, 66 MSPS, 450 MHz Input Bandwidth A/D COnverter w/Internal Reference	ADC12DL066CIVS	SMD 818-0709	53.13	46.14	42.04	– –	– –
12	NSC	16	SOIC	1	8.8	A/D Converter, Self-Calibrating, 12-Bit, Serial I/O	ADC12L030CIWM	SMD 822-1812	12.17	9.47	7.41	– –	– –
121	NSC	6	SOT-23	0.5	1	1MSPS, 12-Bit A/D Converter in SOT-23	ADC121S101CIMF	SMD 100-7992	8.61	6.26	4.69	– –	– –
122	NSC	8	MSOP	0.4	5	2 Channel, 200 KSPS 12-Bit A/D Converter	ADC122S021CIMM	SMD 100-7994	7.27	5.28	3.96	– –	– –
122	NSC	8	MSOP	0.7	2	2 Channel, 500 kSPS 12-Bit A/D Converter	ADC122S051CIMM	SMD 100-7995	9.31	6.77	5.07	– –	– –
122	NSC	8	MSOP	0.9	1	2 Channel, 1MSPS 12-Bit A/D Converter	ADC122S101CIMM	SMD 100-7996	11.36	8.26	6.19	– –	– –
124	NSC	10	MSOP	0.4	5	4 Channel, 200 kSPS, 12-Bit A/D Converter	ADC124S021CIMM	SMD 100-7997	8.34	6.06	4.54	– –	– –
124	NSC	10	MSOP	0.7	2–	4 Channel, 500 kSPS, 12-Bit A/D Converter	ADC124S051CIMM	SMD 100-7998	10.55	7.67	5.75	– –	– –
124	NSC	10	MSOP	0.9	1–	4 Channel, 1 MSPS, 12-Bit A/D Converter	ADC124S101CIMM	SMD 100-7999	10.73	8.11	6.35	– –	– –
186	MAX	20	SOIC	1	10–	8-Channel, R, S, S/A, T/H	MAX186CCWP+	SMD 118-7982	52.19	40.48	28.87	– –	– –
186	MAX	20	DIL	1	10–	8-Channel, R, S, S/A, T/H	MAX186DCPP+	118-8023	48.16	37.36	26.65	– –	– –
574	ADI	28	DIL	0.5	35–	MC, P, R, S/A	AD574AKD	396-539▲	111.93	93.27	74.62	– –	– –
574	ADI	28	DIL	1	35	MC, P, R, S/A	AD574AJNZ	107-9356	63.35	52.79	42.23	– –	– –
574	TI	28	DIL	1	25	MC, P, R, S/A	ADS574JE	121-4401	47.07	40.87	37.24	34.92	– –
574	BB	28	DIL	1	25	MC, P, R, S/A	ADS574JE.	362-6362	44.79	38.89	35.44	33.23	– –
574	INTS	28	DIL	1	25	MC, S/A, S/H	HI3-574AJN-5	412-6610▲‡	51.91	42.54	37.08	31.81	– –
574	INTS	28	DIL	1	25	12-bit ADC with microprocessor interface.	HI3-574AJN-5Z	966-3878	22.03	19.40	17.24	15.52	– –
803	BB	28	SSOP	2	100000	P, R, T/H.	ADS803E	SMD 109-7455	24.16	20.76	17.90	16.10	– –
805	TI	28	SOIC	2	100	P, R, T/H.	ADS805EG4	SMD 121-4353	30.97	27.01	23.50	21.54	– –
805	BB	28	SOIC	2	100	P, R, T/H.	ADS805E	SMD 332-3596	30.97	27.01	23.50	21.54	– –
807	TI	28	SOIC	2	100	P, R, T/H.	ADS807EG4	SMD 121-4356	33.14	28.78	26.22	24.59	– –
807	BB	28	SOIC	2	100	P, R, T/H.	ADS807E	SMD 332-3602	33.14	28.78	26.22	24.59	– –
1232	NSC	20	SSOP	0.5	8.8	2-Channel, S, S/A, S/H	ADC12132CIMSA.	SMD 701-129‡	12.85	10.02	7.84	– –	– –
1241	MAX	8	SOIC	1	7.5	S, S/A, T/H	MAX1241BCSA+	SMD 118-7990	26.30	21.00	14.84	– –	– –
1246	MAX	16	QSOP	1	7.5	4-Channel, R, S, S/A, T/H	MAX1246BCEE+	SMD 118-7992	38.87	30.18	21.53	– –	– –
1247	MAX	16	QSOP	1	7.5	4-Channel, R, S, S/A, T/H	MAX1247BCEE+	SMD 118-7993	33.13	24.66	17.92	– –	– –
1279	LT	24	SOIC	1	1.4	600kSPS, S/H, Shutdown	LTC1279CSW	SMD 476-7573▲	43.92	37.17	32.22	– –	– –
1279	LT	24	SOIC	1	1.4	600kSPS, S/H, Shutdown	LTC1279CSW#PBF	SMD 956-0971	49.85	31.08	25.26	– –	– –
1285	LT	8	SOIC	0.25	100	3V, 7.5kSPS, S/A, S/H, Shutdown	LTC1285CS8	SMD 476-7585▲	21.54	18.24	15.81	– –	– –
1285	LT	8	SOIC	0.25	100	3V, 7.5kSPS, S/A, S/H, Shutdown	LTC1285CS8#PBF	SMD 956-0980	24.44	15.66	12.62	– –	– –
1286	LT	8	DIL	0.75	60	C, MC, S, S/A, S/H	LTC1286CN8	638-353▲	21.97	13.99	11.02	– –	– –
1286	BB	8	DIL	1	50	C, S, S/A, S/H.	ADS1286PA.	794-739	13.54	10.36	8.59	7.66	– –
1286	BB	8	SOIC	1	50	C, S, S/A, S/H.	ADS1286U	SMD 110-6203	10.40	7.96	6.59	5.88	– –
1286	TI	8	DIL	1	50	C, S, S/A, S/H.	ADS1286PA	121-4453	14.12	10.80	8.95	7.98	– –
1286	LT	8	SOIC	0.75	60	MC, S, S/A, S/H	LTC1286CS8	SMD 476-7597▲	20.13	17.10	14.67	– –	– –
1286	TI	8	SOIC	2	50	C, S, S/A, S/H.	ADS1286UAG4	SMD 932-4100	11.53	8.83	7.31	6.52	– –
1286	LT	8	DIL	0.75	60	C, MC, S, S/A, S/H	LTC1286CN8#PBF	956-0998	21.97	13.99	11.02	– –	– –
1286	LT	8	SOIC	0.75	60	MC, S, S/A, S/H	LTC1286CS8#PBF	SMD 956-1005	20.76	13.31	10.72	– –	– –
1288	LT	8	SOIC	0.25	100	2-Channel, MC, S, S/A, S/H.	LTC1288CS8	SMD 476-7603▲	21.54	18.24	15.81	– –	– –
1288	LT	8	SOIC	0.25	100	2-Channel, MC, S, S/A, S/H.	LTC1288CS8#PBF	SMD 956-1013	24.44	15.66	12.62	– –	– –
1290	LT	20	DIL	0.5	13	8-Channel, MC, S, S/A, S/H.	LTC1290CCN	638-341▲	63.83	41.35	32.84	– –	– –
1290	LT	20	SOIC	0.5	13	8-Channel, MC, S, S/A, S/H.	LTC1290CCSW	SMD 476-7615▲	62.01	52.47	45.48	– –	– –
1290	LT	20	DIL	0.5	13	Plastic (N) package version of the LTC1290CCJ	LTC1290CCN#PBF	956-1021	63.83	41.35	32.84	– –	– –
1290	LT	20	SOIC	0.5	13	8-Channel, MC, S, S/A, S/H.	LTC1290CCSW#PBF	SMD 956-1030	67.32	43.87	35.66	– –	– –
1298	LT	8	SOIC	0.75	60	MC, S, S/A, S/H	LTC1298CS8	SMD 476-7627▲	20.13	17.10	14.67	– –	– –
1298	LT	8	DIL	0.75	60	2-Channel, C, MC, S, S/A, S/H	LTC1298CN8#PBF	956-1048	21.97	13.99	11.02	– –	– –
1298	LT	8	SOIC	0.75	60	MC, S, S/A, S/H	LTC1298CS8#PBF	SMD 956-1056	20.76	13.31	10.72	– –	– –
1400	LT	8	SOIC	1	2.1	C, R, S/H	LTC1400CS8	SMD 790-898▲	20.90	13.31	10.58	– –	– –
1400	LT	8	SOIC	1	2.1	C, R, S/H	LTC1400CS8#PBF	SMD 956-1129	20.90	13.31	10.58	– –	– –
1594	LT	16	SOIC	3	3.1	4-Cahnnel, C, MC, S, S/A, S/H	LTC1594CS	SMD 790-930▲	23.51	14.98	11.79	– –	– –
1594	LT	16	SOIC	3	3.1	4-Cahnnel, C, MC, S, S/A, S/H	LTC1594CS#PBF	SMD 956-1293	23.51	14.98	11.79	– –	– –
1674	ADI	28	DIL	1	10	MC, P, R, S/A, S/H	AD1674JNZ	960-3697	48.15	37.62	30.06	– –	– –
2542	TI	8	VSSOP	1	3.5–	12-BIT A-D Converter, 200KSPS	TLV2542IDGK	SMD 845-5198	16.03	12.27	10.16	9.06	– –
2543	TI	20	PDIP	1	10–	12-BIT A-D Converter	TLC2543CN	845-4108	20.21	15.47	12.69	11.42	– –
2543	TI	20	PDIP	1	10–	12-BIT A-D Converter	TLC2543IN	845-4116	17.63	13.49	11.07	9.97	– –
2548	TI	20	TSSOP	1	3.86–	12-BIT A-D Converter, 200KSPS	TLV2548IPWG4	SMD 120-7293	16.98	14.59	12.58	11.32	– –
2552	TI	8	SOIC	1	1.5	C, S, S/A, S/H.	TLC2552IDGKG4	SMD 121-4393	16.42	12.57	10.41	9.28	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2552	BB	8	SOIC	1	1.5	C, S, S/A, S/H	TLC2552IDGK	SMD 355-5902	16.42	12.57	10.41	9.28	– –
2553	TI	20	SOIC	1	5.54	12-BIT A-D Converter, 200KSPS	TLV2553IDW	SMD 845-5210●	13.29	10.17	8.43	7.51	– –
2556	TI	20	SOIC	1	5.54	12-BIT A-D Converter, 200KSPS	TLV2556IDW	SMD 845-5228●	13.88	10.62	8.80	7.85	– –
2807	TI	64	HTQFP	1		Dual 12-BIT 50MSPS A-D Converter	ADS2807Y/250G4	SMD 120-7412●	52.93	45.97	41.89	39.28	– –
3201	MCHIP	8	SOIC	1	12	2.7V, 100kSPS, C, S, S/H	MCP3201-BI/SN	SMD 108-4338●	6.69	4.09	4.09	– –	– –
3201	MCHIP	8	SOIC	1	10	C, L, R2R, S, S/A, S/H	MCP3201-CI/SN	SMD 119-6793●	5.77	3.52	3.52	– –	– –
3201	MCHIP	8	DIL	1	10	C, L, R2R, S, S/A, S/H	MCP3201-CI/P	975-8577●	5.77	3.52	3.52	– –	– –
3202	MCHIP	8	DIL	2	10	2-Channel, C, L, R2R, S, S/A, S/H	MCP3202-CI/P	119-6794●	6.40	3.91	3.91	– –	– –
3202	MCHIP	8	SOIC	1	10	2-Channel, C, L, R2R, S, S/A, S/H	MCP3202-BI/SN	SMD 119-6803●	7.31	4.46	4.46	– –	– –
3202	MCHIP	8	SOIC	2	10	2-Channel, C, L, R2R, S, S/A, S/H	MCP3202-CI/SN	SMD 975-8585●	6.40	3.91	3.91	– –	– –
3204	MCHIP	14	SOIC	2	10	4-Channel, C, L, R2R, S, S/A, S/H	MCP3204-CI/SL	SMD 119-6795●	8.03	4.88	4.88	– –	– –
3204	MCHIP	14	DIL	2	10–	4-Channel, C, L, R2R, S, S/A, S/H	MCP3204-CI/P	975-8593●	8.03	4.88	4.88	– –	– –
3208	MCHIP	16	DIL	1	10–	8-Channel, C, L, R2R, S, S/A, S/H	MCP3208-CI/P	108-4269●	8.80	5.37	5.37	– –	– –
3208	MCHIP	16	SOIC	1	10	8-Channel, C, L, R2R, S, S/A, S/H	MCP3208-CI/SL	SMD 108-4270●	8.80	5.37	5.37	– –	– –
5520	TI	64	HTQFP	5	125	125MSPS, C, P, R, S/H	ADS5520IPAPG4	SMD 996-8946●	77.14	68.72	63.81	59.84	– –
5521	TI	64	HTQFP	1.5	105	105MSPS, C, P, R, S/H	ADS5521IPAPG4	SMD 996-8954●	64.52	57.48	53.37	50.05	– –
5522	TI	64	HTQFP	5	80	80MSPS, C, P, R, S/H	ADS5522IPAPG4	SMD 996-8962●	48.97	42.53	38.75	36.34	– –
5812	INTS	24	DIL	2	20	C, L, MC, S/A, T/H	HI5812JIP	559-040▲‡	20.38	17.17	14.83	12.48	– –
5812	INTS	24	DIL	2	20	C, L, S/A, T/H	HI5812JIPZ	966-4076●	17.72	15.61	13.86	12.48	– –
7109	MCHIP	40	DIL	1		C, MC	TC7109CPL	119-6816●	12.27	10.45	9.47	– –	– –
7109	MAX	40	DIL	1	3333	C, MC, P, R	ICL7109CPL	355-7601▲	12.39	9.48	6.77	– –	– –
7265	ADI	32	TQFP	1	875	Differential Input, Dual 1 MSPS, 12-Bit, 3-Channel SAR ADC	AD7265BSUZ	SMD 945-3032●	18.41	15.35	12.28	– –	– –
7265	ADI	32	LFCSP	1	1	2-Channel, 1MSPS, MC, R, S, S/A	AD7265BCPZ	SMD 107-8345●	18.41	15.35	12.28	– –	– –
7266	ADI	32	LFCSP	1	0.5	2-Channel, 2MSPS, MC, R, S, S/A	AD7266BCPZ	SMD 107-8342●	22.26	19.11	15.78	– –	– –
7266	ADI	32	TQFP	1	0.5	2-Channel, 2MSPS, MC, R, S, S/A	AD7266BSUZ	SMD 107-8344●	22.26	19.11	15.78	– –	– –
7450	ADI	8	MSOP	2	1.07	1MSPS, S/A, T/H	AD7450ARMZ	SMD 107-9395●	12.54	10.45	8.36	– –	– –
7450	ADI	8	MSOP	1	0.888	1MSPS, S/A, T/H	AD7450ABRMZ	SMD 114-3258●	13.65	11.38	9.10	– –	– –
7451	ADI	8	MSOP	1	0.888	1 MSPS, S/A, T/H, Psuedo Differential Input	AD7451BRMZ	SMD 114-3259●	14.24	11.86	9.49	– –	– –
7466	ADI	8	MSOP	1.5	4.7	1.6V, 200kSPS, S/A, T/H	AD7466BRMZ	SMD 114-3260●	7.51	6.26	5.00	– –	– –
7472	ADI	24	SOIC	1.8	1.5	MC, P, S/A, T/H	AD7472ARZ	SMD 107-9343●	19.47	16.23	12.98	– –	– –
7475	ADI	8	SOIC	1.5	1.2	MC, S, S/H, T/H	AD7475ARZ	SMD 114-3199●	13.34	11.11	8.89	– –	– –
7476	ADI	8	MSOP	1.5	800	1MSPS, R, S/A, T/H	AD7476ABRMZ	SMD 114-3206●	13.26	11.40	9.39	– –	– –
7476	NSC	6	SOT-23	0.5	1	1MSPS, C, S/A	ADCS7476AIMF.	SMD 757-6803‡	8.61	6.26	4.69	– –	– –
7476	NSC	6	SOT-23	0.5	1	1MSPS, C, S/A	ADCS7476AIMF	SMD 977-9710●	8.61	6.26	4.69	– –	– –
7490	ADI	28	TSSOP	1	800	16-Channel, 1MSPS, MC, S/A, T/H	AD7490BRUZ	SMD 960-5231●	17.55	15.06	12.45	– –	– –
7492	ADI	24	SOIC	1.5	1–	MC, P, S/A, T/H, R	AD7492ARZ	SMD 942-5993●	20.34	17.43	14.43	– –	– –
7495	ADI	8	SOIC	1.5	1.2–	MC, S, S/A, T/H, R	AD7495ARZ	SMD 107-9345●	17.37	14.13	10.86	– –	– –
7572	ADI	24	DIL	1	10	C, MC, P, R, S/A	AD7572AJNZ10	107-9357●	37.31	31.09	24.87	– –	– –
7572	ADI	24	DIL	1	12.5	C, MC, P, R, S/A	AD7572JNZ12	114-3202●	82.29	68.58	54.86	– –	– –
7578	ADI	24	DIL	1	100	C, MC, P, S/A	AD7578KNZ	960-4413●	66.27	52.71	39.03	– –	– –
7582	ADI	28	DIL	1	100	4-Channel, C, MC, P, S/A	AD7582KNZ	960-4421●	76.98	63.03	46.68	– –	– –
7800	TI	24	SOIC	0.75	2.7–		ADS7800JUE4	SMD 121-4387●	84.29	75.09	69.73	65.39	– –
7806	BB	28	SOIC	0.5	25	C, L, P, R, S, S/A, S/H	ADS7806U	SMD 110-6202●	37.39	32.47	29.59	27.74	– –
7806	TI	28	DIL	0.5	25	C, L, P, R, S, S/A, S/H	ADS7806PG4	117-8440●	37.39	32.47	29.59	27.74	– –
7810	TI	28	SOIC	1	1020	12-BIT, 800 KHz Sampling A-D Converter	ADS7810UE4	SMD 120-6865●	77.98	69.47	64.51	60.49	– –
7816	BB	8	DIL	0.5	5	C, S, S/A, S/H	ADS7816P	109-7576●	8.14	6.23	4.76	4.18	– –
7816	BB	8	SOIC	0.5	5	C, S, S/A, S/H	ADS7816U	SMD 110-6201●	8.14	6.23	4.76	4.18	– –
7818	BB	8	DIL	1	1.63	C, R, S, S/H	ADS7818P	109-7414▲	9.77	7.48	6.20	5.52	– –
7818	BB	8	MSOP	2	1.625	R, S, S/A, S/H	ADS7818E/250..	SMD 332-4138	10.09	7.72	6.40	5.70	– –
7818	TI	8	MSOP	2	1.625	P, S, S/A, S/H	ADS7818E/250G4	SMD 932-4119●	9.77	7.48	6.20	5.52	– –
7822	BB	8	SOIC	0.5	13	C, S, S/A, S/H	ADS7822U	SMD 110-6199●	6.47	4.95	3.78	3.32	– –
7823	TI	8	VSSOP	3	8	12-BIT A-D Converter w/I²C Interface	ADS7823E/250G4	SMD 120-7896●	11.14	8.53	7.06	6.30	– –
7824	BB	28	DIL	1	25	4-Channel, C, L, P, S, R, S/A, S/H	ADS7824P	109-7571▲	40.47	35.14	32.02	30.03	– –
7824	BB	28	SOIC	1	25	4-Channel, C, L, P, S, R, S/A, S/H	ADS7824U	SMD 110-6198●	38.42	33.36	30.40	28.51	– –
7828	TI	16	TSSOP	1	6	12-BIT, 50KSPS, 8-Channel A-D Converter	ADS7828E/250G4	SMD 120-6868●	13.10	10.02	8.30	7.40	– –
7828	TI	16	TSSOP	2	6	12-BIT, 50KSPS, 8-Channel A-D Converter	ADS7828EB/250G4	SMD 120-6869●	15.84	12.12	10.04	8.95	– –
7835	TI	8	VSSOP	1	1.625	A-D Converter, 12-BIT, 500 KHZ BIPOLAR	ADS7835EB/250G4	SMD 120-6870●	12.90	9.87	8.18	7.29	– –
7841	BB	16	DIL	1	0.5	4-Channel, C, R, S, S/A, S/H	ADS7841P	109-7415▲	9.85	7.54	6.25	5.57	– –
7841	TI	16	SSOP	1		4-Channel, C, R, S, S/A, S/H	ADS7841EG4	SMD 932-4127●	10.44	8.01	6.12	5.38	– –
7842	TI	28	SSOP	1	12	4-Channel, C, R, S/H	ADS7842EG4	SMD 932-4135●	12.12	9.28	7.68	6.85	– –
7843	TI	16	SSOP	2		A-D Converter,12-BIT,S	ADS7843EG4	SMD 120-6871●	7.13	5.45	4.16	3.66	– –
7844	TI	20	QSOP	1	0.5	8-Channel, C, MC, R, S	ADS7844EG4	SMD 121-4383●	10.79	8.26	6.84	6.10	– –
7844	BB	20	QSOP	1	0.5	8-Channel, C, MC, R, S	ADS7844E	SMD 353-5277	10.79	8.26	6.84	6.10	– –
7844	TI	20	SSOP	1		8-Channel, C, MC, R, S	ADS7844N/1KG4	SMD 932-4143●	10.79	8.26	6.84	6.10	– –
7846	TI	16	SSOP	2		A-D Converter, TOUCH SCREEN Controller	ADS7846EG4	SMD 120-6872●	8.58	6.56	5.01	4.41	– –
7846	TI	16	TSSOP	2		A-D Converter, TOUCH SCREEN Controller	ADS7846NG4	SMD 120-6873●	8.58	6.56	5.01	4.41	– –
7852	TI	32	TQFP	1	1.75	A-D Converter,8-CH,12-BIT Parallel	ADS7852YB	SMD 121-2286●	14.39	12.01	10.09	– –	– –
7852	TI	32	TQFP	1	1.75	8CH,12-BIT Parallel A-D Converter	ADS7852Y	SMD 840-9331	11.89	9.10	7.54	6.72	– –
7852	TI	32	TQFP	1	1.75	A-D Converter,8-CH,12-BIT Parallel	ADS7852YB.	SMD 840-9340	15.64	11.97	9.91	8.84	– –
7861	TI	24	SSOP	0.75	1.63	4-Channel, C, S, S/H	ADS7861E	SMD 121-4350●	15.84	12.12	10.04	8.95	– –
7861	BB	24	SSOP	0.75	1.63	4-Channel, C, S, S/H	ADS7861E.	SMD 300-6311	16.89	12.95	10.72	9.56	– –
7864	TI	48	TQFP	1	1.75	A-D Converter, 500KHZ, 12-BIT, 6 Channel	ADS7864Y	SMD 121-2287●	23.37	19.50	15.59	– –	– –
7864	TI	48	TQFP	1	1.75	A-D Converter, 500KHZ, 12-BIT, 6 Channel	ADS7864Y.	SMD 840-9358	19.42	16.69	14.39	12.95	– –
7864	ADI	44	LQFP	1	1.65	4-Channel, MC, P, R, S/A, S/H, T/H, V	AD7864ASZ-1	SMD 960-3611●	44.43	37.32	28.44	– –	– –
7866	ADI	20	TSSOP	1.5	800	2-Channel, 1MSPS, S/A, T/H	AD7866ARUZ	SMD 960-5240●	19.35	15.72	12.36	– –	– –
7870	ADI	24	DIL	0.5	10	C, MC, P, R, S, S/A, S/H	AD7870JNZ	107-9358●	60.38	50.32	40.25	– –	– –
7880	ADI	24	DIL	1	12	C, S/A, T/H	AD7880BNZ	107-9289●	45.14	37.62	30.09	– –	– –
7888	ADI	16	SOIC	2	8	C, MC, R, S, T/H	AD7888ARZ	SMD 942-5691●	12.78	11.01	8.16	– –	– –
7889	NSC	16	TSSOP	1	13	7-Channel, 500kSPS, C, S/A, T/H	ADC78H89CIMT	SMD 977-9752●	8.34	6.06	4.54	– –	– –
7890	NSC	16	TSSOP	1	13	8-Channel, 500kSPS, C, S/A, T/H	ADC78H90CIMT	SMD 977-9744●	12.11	8.80	6.60	– –	– –
7892	ADI	24	DIL	1	1.3	C, MC, R, S/A, T/H	AD7892ANZ-1	107-9424●	39.95	33.30	26.64	– –	– –
7893	ADI	8	DIL	1	6	C, S, S/A, T/H	AD7893ANZ-5	114-3224●	29.32	24.43	19.55	– –	– –
7896	ADI	8	DIL	1	8	C, S, S/A, T/H	AD7896ANZ	107-9420●	21.17	17.64	14.11	– –	– –
7920	ADI	8	MSOP	1.5–	3.2–	250kSPS S/A, T/H	AD7920BRMZ	SMD 114-3282●	8.21	6.84	5.47	– –	– –
7921	ADI	8	MSOP	1.5	4	2-Channel, 250kSPS, MC, S, S/A	AD7921ARMZ	SMD 107-8324●	6.78	5.82	4.83	– –	– –
7922	ADI	8	MSOP	1.5	1	2-Channel, 1MSPS, MC, S, S/A	AD7922ARMZ	SMD 107-8323●	13.61	11.34	9.07	– –	– –
7923	ADI	16	TSSOP	1	0.8	4-Channel, 200kSPS, S/A, T/H, Sequencer	AD7923BRUZ	SMD 839-7740●	7.53	6.45	5.34	– –	– –
7924	ADI	16	TSSOP	1	0.8	4-Channel, 1MSPS, S/A, T/H, Sequencer	AD7924BRUZ	SMD 839-7759●	13.26	11.40	9.39	– –	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
7927	ADI	20	TSSOP	1	0.8	8-Channel, 200kSPS, S/A. T/H, Sequencer	AD7927BRUZ	SMD 114-3283	8.96	7.47	5.98	– –	– –
7928	ADI	8	TSSOP	1	0.8	8-Channel, 1MSPS, S/A. T/H, Sequencer	AD7928BRUZ	SMD 114-3284	14.01	12.00	9.93	– –	– –
7934	ADI	28	TSSOP	1	0.525	4-Channel, 1.5 MSPS, 12-Bit, Parallel ADC with a Sequencer	AD7934BRUZ	SMD 945-3040	20.94	17.97	14.82	– –	– –
7934	ADI	28	TSSOP	1	1.6	4-Channel, 625kSPS, MC, P, R, S/A, T/H	AD7934BRUZ-6	SMD 107-8321	13.56	11.64	9.63	– –	– –
7938	ADI	32	LFCSP	1	1.6	8-Channel, 625kSPS, MC, P, R, S/A, T/H	AD7938BCPZ-6	SMD 107-8315	14.31	12.27	10.14	– –	– –
7938	ADI	32	TQFP	1	1.6	8-Channel, 625kSPS, MC, P, R, S/A, T/H	AD7938BSUZ-6	SMD 107-8316	14.31	12.27	10.14	– –	– –
7938	ADI	32	LFCSP	1	0.666	8-Channel, 1.5MSPS, MC, P, R, S/A, T/H	AD7938BCPZ	SMD 107-8317	21.66	18.60	15.39	– –	– –
7938	ADI	32	TQFP	1	0.666	8-Channel, 1.5MSPS, MC, P, R, S/A, T/H	AD7938BSUZ	SMD 107-8319	21.66	18.60	15.39	– –	– –
7992	ADI	10	MSOP	1	2	2-Channel, S, S/A, T/H	AD7992BRMZ-0	SMD 107-8311	9.61	8.01	6.41	– –	– –
7992	ADI	10	MSOP	1	2	2-Channel, S, S/A, T/H	AD7992BRMZ-1	SMD 107-8312	9.61	8.01	6.41	– –	– –
7994	ADI	16	TSSOP	1	2	4-Channel, S, S/A, T/H	AD7994BRUZ-0	SMD 107-8307	10.42	8.69	6.95	– –	– –
7994	ADI	16	TSSOP	1–	2–	4-Channel, S, S/A, T/H	AD7994BRUZ-1	SMD 107-8308	11.23	9.36	7.49	– –	– –
7998	ADI	20	TSSOP	1–	2–	8-Channel, S, S/A, T/H	AD7998BRUZ-0	SMD 107-8302	11.23	9.36	7.49	– –	– –
7998	ADI	20	TSSOP	1	2	8-Channel, S, S/A, T/H	AD7998BRUZ-1	SMD 107-8303	11.07	9.48	7.83	– –	– –
8137	ADI	8	LFCSP			Low Power 12-Bit Differential ADC Driver	AD8137YCPZ-R2	SMD 107-8298	4.32	3.60	2.88	– –	– –
8137	ADI	8	SOIC			Low Power Differential ADC Driver.	AD8137YRZ	SMD 839-7856	3.21	2.73	2.28	– –	– –
9229	ADI	48	LFCSP	0.6	0.02	4-Channel, 50MSPS, R, S, S/H, T/H	AD9229BCPZ-50	SMD 107-8254	73.17	62.70	52.26	– –	– –
9229	ADI	48	LFCSP	0.4	0.01538	4-Channel, 65MSPS, R, S, S/H, T/H	AD9229BCPZ-65	SMD 107-8255	95.19	81.57	67.98	– –	– –
9237	ADI	32	LFCSP	1.2	0.05	20MSPS, P, R, S/H	AD9237BCPZ-20	SMD 107-8250	20.49	17.55	14.64	– –	– –
9237	ADI	32	LFCSP	1.2	0.025	40MSPS, P, R, S/H	AD9237BCPZ-40	SMD 107-8251	23.13	19.83	16.53	– –	– –
9237	ADI	32	LFCSP	1.2	0.01538	65MSPS, P, R, S/H	AD9237BCPZ-65	SMD 107-8253	35.13	30.12	25.11	– –	– –
9238	ADI	64	LQFP	0.35		2-Channel, 3V, 20MSPS, C, R, S/H	AD9238BSTZ-20	SMD 114-3305	32.22	27.60	23.01	– –	– –
9238	ADI	64	LQFP	0.35		2-Channel, 3V, 65MSPS, C, R, S/H	AD9238BSTZ-65	SMD 114-3306	52.71	45.18	37.65	– –	– –
12130	NSC	16	DIL	0.5	8.8	2-Channel, S, S/A, S/H	ADC12130CIN.	640-487‡	12.85	10.02	7.84	– –	– –
12130	NSC	16	DIL	0.5	8.8	2-Channel, S, S/A, S/H	ADC12130CIN	949-3638	12.85	10.02	7.84	– –	– –
12138	NSC	28	DIL	0.5	8.8	8-Channel, S, S/A, S/H	ADC12138CIN.	701-130‡	12.49	9.74	7.63	– –	– –
12138	NSC	28	DIL	0.5	8.8	8-Channel, S, S/A, S/H	ADC12138CIN	949-3824	12.49	9.74	7.63	– –	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

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	Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
14-Bit A/D													
121	MAX	16	SOIC	2	2.9		MAX121CWE+	SMD 972-5334	71.15	54.33	39.49	– –	– –
679	ADI	28	DIL	2	6.3	C, P, S, S/H	AD679JNZ	107-9326	109.60	91.33	73.06	– –	– –
1419	LT	28	SSOP	0.8	1.15	800kSPS, S/H, P, Shutdown	LTC1419CG	SMD 476-7664▲	55.98	47.37	41.07	– –	– –
1419	LT	28	SSOP	0.8	1.15	800kSPS, S/H, P, Shutdown	LTC1419CG#PBF	SMD 956-1137	60.78	39.61	32.20	– –	– –
3541	TI	8	SOIC	1	2.67	14-BIT A-D Converter, 200KSPS	TLC3541ID	SMD 845-4230	16.32	14.02	12.10	10.88	– –
3544	TI	20	SOIC	1	2.895	14-BIT A-D Converter, 200KSPS	TLC3544IDW	SMD 845-4248	21.06	18.09	15.60	14.04	– –
3548	TI	24	SOIC	1	2.895	14-BIT A-D Converter, 200KSPS	TLC3548IDW	SMD 845-4256	22.36	19.21	16.57	14.91	– –
3578	TI	24	SOIC	1	2.895	14-BIT A-D Converter, 200KSPS	TLC3578IDW	SMD 845-4272	28.24	23.60	20.93	18.82	– –
5500	TI	64	HTQFP	5	8	125MSPS, C, P, R, S/H	ADS5500IPAPG4	SMD 996-8920	133.70	122.45	113.70	106.62	– –
5541	TI	64	HTQFP	5	105	105MSPS, C, P, R, S/H	ADS5541IPAPG4	SMD 996-8970	111.87	102.46	95.14	89.22	– –
5542	TI	64	HTQFP	5	80	80MSPS, C, P, R, S/H	ADS5542IPAPG4	SMD 996-8989	70.12	62.47	58.01	54.40	– –
5553	TI	80	HTQFP	2.5	65	65MSPS, C, P, R, S/H	ADS5553IPFPG4	SMD 996-9004	84.15	74.97	69.61	65.28	– –
6654	ADI	256	CSPBGA		0.01085	6-Channel, 92.16MSPS, MC, P, R, T/H, Wideband IF Baseband Receiver	AD6654BBCZ	SMD 107-8346	249.84	214.08	178.32	– –	– –
6654	ADI	256	CSPBGA		0.01085	4-Channel, 92.16MSPS, MC, P, R, T/H, Wideband IF Baseband Receiver	AD6654CBCZ	SMD 107-8347	228.00	195.36	162.72	– –	– –
7856	ADI	24	DIL	2	3.5	8-Channel, C, MC, R, S, T/H, V	AD7856ANZ	107-9292	31.06	25.89	20.71	– –	– –
7871	ADI	28	DIL	0.5	12	C, MC, P, R, S, S/A, S/H	AD7871JNZ	107-9361	105.36	87.80	70.24	– –	– –
7940	ADI	8	MSOP	1	8	100kSPS, MC, S/A, T/H	AD7940BRM	SMD 839-7783▲	12.09	10.38	8.58	– –	– –
9244	ADI	48	LQFP	0.7		65MSPS, R, S/H	AD9244BSTZ-65	SMD 114-3307	72.81	62.37	51.96	– –	– –
9245	ADI	32	LFCSP	0.5		80MSPS, R, S/H	AD9245BCPZ-80	SMD 114-3308	96.69	82.80	69.00	– –	– –
9248	ADI	64	LQFP	2.7	0.05	2-Channel, 20MSPS, P, R, S/H	AD9248BSTZ-20	SMD 107-8247	61.50	52.71	43.89	– –	– –
9248	ADI	64	LQFP	2.7	0.025	2-Channel, 40MSPS, P, R, S/H	AD9248BSTZ-40	SMD 107-8248	86.85	74.43	61.98	– –	– –
9248	ADI	64	LQFP	2.8	0.01538	2-Channel, 65MSPS, P, R, S/H	AD9248BSTZ-65	SMD 107-8249	117.06	100.29	83.55	– –	– –
9444	ADI	100	TQFP	0.6	0.0125	80MSPS, C, P, R, T/H	AD9444BSVZ-80	SMD 107-8246	112.05	96.03	79.98	– –	– –
16-Bit A/D													
500	TS	16	DIL	–	–	Integrating Converter Analogue Processor. Resolution and conversion speed controllable through software	TC500ACPE	976-2663	8.85	6.41	5.80	– –	– –
977	ADI	20	DIL	2	5	C, R, S, S/A	AD977AANZ	107-9310	81.50	67.91	54.33	– –	– –
977	ADI	20	DIL	2	10	C, R, S, S/A	AD977ANZ	107-9312	65.20	54.33	43.46	– –	– –
1100	TI	6	SOT-23	1	7.8	C, R, S	ADS1100A0IDBVTG4	SMD 113-5959	7.92	6.06	4.63	4.07	– –
1100	TI	6	SOP	1–		A-D Converter,16-BIT	ADS1100A2IDBVTG4	SMD 120-6858	7.92	6.06	4.63	4.07	– –
1100	BB	6	SOT-23	1	7.8–	C, R, S	ADS1100A0IDBV	SMD 501-1395	8.30	6.35	4.85	4.27	– –
1100	TI	6	SOT-23	1		C, R, S	ADS1100A1IDBVTG4	SMD 932-4062	7.92	6.06	4.63	4.07	– –
1110	TI	6	SOP	1		A-D Converter,16-BIT, Sigma-Delta	ADS1110A0IDBVTG4	SMD 120-6859	8.58	6.56	5.01	4.41	– –
1110	TI	6	SOP	1		A-D Converter,16-BIT, Sigma-Delta	ADS1110A1IDBVTG4	SMD 120-6860	8.58	6.56	5.01	4.41	– –
1110	TI	6	SOP	1		A-D Converter,16-BIT, Sigma-Delta	ADS1110A2IDBVTG4	SMD 120-6861	8.58	6.56	5.01	4.41	– –
1601	TI	48	TQFP	0.75	800	1.25MSPS, C, Delta Sigma	ADS1601IPFBT	SMD 996-8881	37.98	32.98	30.05	28.18	– –
1602	TI	48	TQFP	0.75	400	2.5MSPS, C, Delta Sigma	ADS1602IPFBT	SMD 996-8903	55.96	50.80	46.29	43.41	– –
1605	LT	28	DIL	2.0	8	5V, 100kSPS, MC, P, S/A, S/H	LTC1605CN	476-7755▲	68.43	58.17	49.86	– –	– –
1605	LT	28	DIL	2.0	8	5V, 100kSPS, MC, P, S/A, S/H	LTC1605CN#PBF	956-1307	67.54	44.02	35.78	– –	– –
4541	TI	8	SOIC	2.5	2.94	C, R, S	TLC4541ID	SMD 110-3111	22.36	19.21	16.57	14.91	– –
4541	TI	8	SOIC	2.5	2.94	C, R, S, Psuedo Differential Input	TLC4545ID	SMD 110-3112	22.36	19.21	16.57	14.91	– –
4541	TI	8	SOIC	2.5	2.94	C, R, S	TLC4541ID.	SMD 501-2077	22.65	19.46	16.78	15.09	– –
4541	TI	8	SOIC	2.5	2.94	C, R, S, Psuedo Differential Input	TLC4545ID.	SMD 501-2090	22.65	19.46	16.78	15.09	– –
7621	ADI	48	LFCSP	1	0.333	3MSPS, P, R, S, S/A	AD7621ACPZ	SMD 107-8340	92.34	77.25	58.89	– –	– –
7621	ADI	48	LQFP	1	0.333	3MSPS, P, R, S, S/A	AD7621ASTZ	SMD 107-8341	92.34	77.25	58.89	– –	– –
7651	ADI	48	LFSCP	6	1.25	5V, 100kSPS, C, P, R, S, S/A, S/H	AD7651ACPZ	SMD 114-3261	21.96	18.30	14.64	– –	– –
7651	ADI	48	LQFP	6	1.25	5V, 100kSPS, C, P, R, S, S/A, S/H	AD7651ASTZ	SMD 114-3262	22.95	19.23	14.64	– –	– –
7652	ADI	48	LQFP	6	1.25	5V, 500kSPS, C, P, R, S, S/A, S/H	AD7652ASTZ	SMD 114-3263	29.01	24.30	18.51	– –	– –
7652	ADI	48	LFSCP	6	1.25	5V, 500kSPS, C, P, R, S, S/A, S/H	AD7652ACP	SMD 839-7341▲	29.01	24.30	18.51	– –	– –
7653	ADI	48	LFSCP	6	1	5V, 1MSPS, C, P, R, S, S/A, S/H	AD7653ACP	SMD 839-7368▲	35.46	29.67	22.62	– –	– –
7653	ADI	48	LQFP	6	1	5V, 1MSPS, C, P, R, S, S/A, S/H	AD7653AST	SMD 839-7376▲	35.46	29.67	22.62	– –	– –
7654	ADI	48	LQFP	3.5	1.75	2-Channel, 5V, 500kSPS, P, S, S/A, S/H, T/H	AD7654ASTZ	SMD 114-3264	47.55	39.81	30.33	– –	– –
7654	ADI	48	LFSCP	3.5	1.75	2-Channel, 5V, 500kSPS, P, S, S/A, S/H, T/H	AD7654ACP	SMD 839-7384▲	47.55	39.81	30.33	– –	– –
7655	ADI	48	LQFP	6	2	2-Channel, 5V, 1MSPS, S/A, T/H	AD7655ASTZ	SMD 945-3059	29.13	24.36	18.57	– –	– –
7655	ADI	48	LFSCP	6	1.75	4-Channel, 5V, 1MSPS, P, S, S/A, S/H, T/H	AD7655ACP	SMD 839-7406▲	29.13	24.36	18.57	– –	– –
7661	ADI	48	LFSCP	2.5	1.25	5V, 100kSPS, P, R, S, S/A.	AD7661ACPZ	SMD 114-3265	26.35	21.96	17.57	– –	– –
7661	ADI	48	LQFP	2.5	1.25	5V, 100kSPS, P, R, S, S/A.	AD7661ASTZ	SMD 114-3266	27.57	23.07	17.58	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
16-Bit A/D												
7666 ADI	48	LFSCP	2	1.25	5V, 500kSPS, P, R, S, S/A	AD7666ACP	SMD 839-7449▲	55.50	46.44	35.37	– –	– –
7666 ADI	48	LQFP	2	1.25	5V, 500kSPS, P, R, S, S/A	AD7666AST	SMD 839-7457▲	55.50	46.44	35.37	– –	– –
7667 ADI	48	LQFP	2	1	5V, 1MSPS, P, R, S, S/A	AD7667ASTZ	SMD 114-3267●	72.45	60.63	46.20	– –	– –
7667 ADI	48	LFSCP	2	1	5V, 1MSPS, P, R, S, S/A	AD7667ACP	SMD 839-7465▲	72.45	60.63	46.20	– –	– –
7680 ADI	8	MSOP	4	8	100kSPS, R, S/A, T/H	AD7680ARMZ	SMD 114-3271●	15.51	12.92	10.34	– –	– –
7680 ADI	8	MSOP	4	8	100kSPS, R, S/A, T/H	AD7680BRMZ	SMD 114-3272●	18.51	15.48	11.79	– –	– –
7683 ADI	8	MSOP	1	10	100kSPS, S, S/A, T/H	AD7683BRMZ	SMD 107-8339●	20.04	16.77	12.78	– –	– –
7684 ADI	8	MSOP	1	10	100kSPS, S, S/A, T/H	AD7684BRMZ	SMD 107-8338●	20.04	16.77	12.78	– –	– –
7685 ADI	10	MSOP	1	4	250kSPS, S, S/A, T/H	AD7685BRMZ	SMD 107-8337●	24.08	20.07	16.06	– –	– –
7686 ADI	10	MSOP	1	2	500kSPS, S, S/A, T/H	AD7686BRMZ	SMD 107-8335●	37.02	30.96	23.61	– –	– –
7686 ADI	10	MSOP	0.6	2	500kSPS, S, S/A, T/H	AD7686CRMZ	SMD 107-8336●	43.02	36.00	27.42	– –	– –
7687 ADI	10	MSOP	0.4	4	250kSPS, S, S/A, T/H	AD7687BRMZ	SMD 107-8334●	27.60	23.10	17.58	– –	– –
7701 ADI	20	DIL	0.125	250	C, MC, S, S/H, Sigma Delta	AD7701ANZ	960-4430●	38.82	33.27	27.72	– –	– –
7705 ADI	16	DIL		1	2-Channel, C, R, S, Sigma Delta	AD7705BNZ	960-3620●	13.80	12.09	8.61	– –	– –
7706 ADI	16	DIL		1	3-Channel, C, R, S, Sigma Delta	AD7706BNZ	107-9294●	12.91	10.76	8.61	– –	– –
7707 ADI	20	SOIC		1	3-Channel, C, MC, S, Sigma Delta	AD7707BRZ	SMD 960-4251●	14.31	11.93	9.54	– –	– –
7715 ADI	16	DIL		2.5	3V, C, R, S, Sigma Delta	AD7715ANZ-3	107-9423●	16.56	14.19	11.82	– –	– –
7788 ADI	10	MSOP			Differential Input, Sigma Delta	AD7788BRMZ	SMD 114-3277●	7.47	6.39	5.34	– –	– –
7791 ADI	10	MSOP			S	AD7791BRMZ	SMD 114-3279●	12.01	10.01	8.01	– –	– –
7792 ADI	16	TSSOP		2000	2-Channel, 500SPS, R, S, Sigma-Delta	AD7792BRUZ	SMD 107-8330●	11.67	9.99	8.34	– –	– –
7798 ADI	16	TSSOP		2000	3-Channel, 500SPS, S, Sigma-Delta	AD7798BRUZ	SMD 107-8328●	11.13	9.54	7.95	– –	– –
7805 TI	28	SOIC	3	8	16-BIT, 100KHz Sampling A-D Converter	ADS7805UBE4	SMD 120-7895●	77.95	69.45	64.49	60.47	– –
7805 TI	28	PDIP	4	8	16 BIT 100KHz Sampling A-D Converter	ADS7805P	121-2283●	61.04	54.38	50.49	47.35	– –
7805 TI	28	PDIP	4	8	16 BIT 100KHz Sampling A-D Converter	ADS7805P..	840-9056	67.38	60.03	55.74	52.27	– –
7807 BB	28	DIL	1.5	25	C, L, P, R, S, S/A, S/H	ADS7807P.	483-357‡	81.73	72.81	67.61	63.40	– –
7807 BB	28	DIL	1.5	25	C, L, P, R, S, S/A, S/H	ADS7807P	109-7549▲	80.78	71.97	66.83	62.67	– –
7807 TI	28	SO	1.5	20		ADS7807UE4	120-2021●	76.86	68.47	63.58	59.62	– –
7807 TI	28	PDIP	1.5	20	16 BIT, 40 KHz Sampling A-D Converter	ADS7807PB	121-2284●	96.07	85.59	79.48	74.53	– –
7807 TI	28	PDIP	1.5	20	16 BIT, 40 KHz Sampling A-D Converter	ADS7807PB..	840-9080	85.95	76.57	71.10	66.67	– –
7809 TI	20	SOIC	2	8	16-BIT, 100KHz Sampling A-D Converter	ADS7809UBE4	SMD 120-6864●	77.95	69.45	64.49	60.47	– –
7809 TI	20	SOIC	1.5	10	C, L, R, S, S/A, S/H	ADS7809UE4	SMD 121-4386●	58.09	52.74	48.06	45.06	– –
7809 BB	20	SOIC	1.5	10	C, L, R, S, S/A, S/H	ADS7809U	SMD 353-8783	58.09	52.74	48.06	45.06	– –
7813 TI	16	SOIC	3	20	A-D Converter, 16-BIT 35mW Serial Output	ADS7813UE4	SMD 120-6866●	59.75	53.23	49.43	46.35	– –
7813 TI	16	PDIP	3	20	A-D Converter,16-BIT 35MW Serial Output	ADS7813P	121-2285●	62.83	55.98	51.98	48.74	– –
7813 TI	16	PDIP	3	20	A-D Converter,16-BIT 35MW Serial Output	ADS7813P.	840-9129	64.51	57.47	53.37	50.05	– –
7815 TI	28	SOIC	2	3.3	A-D Converter, 16-BIT	ADS7815UE4	SMD 120-6867●	59.75	53.23	49.43	46.35	– –
7825 BB	28	SOIC	1	250	4-Channel, C, L, P, S, R, S/A, S/H	ADS7825U	SMD 109-7512●	82.89	73.85	68.57	64.30	– –
8320 BB	8	SOIC	2	16	C, S	ADS8320E/250	SMD 109-7448●	19.12	14.63	12.01	10.81	– –
8320 TI	8	VSSOP	2		A-D Converter 16-BIT UNI-INPUTS/SER-OUTPUT	ADS8320EB	SMD 121-2288●	26.14	20.90	15.72	– –	– –
8320 TI	8	VSSOP	2		A-D Converter 16-BIT UNI-INPUTS/SER-OUTPUT	ADS8320EB.	SMD 840-9412	19.46	14.89	12.22	11.00	– –
8321 TI	8	VSSOP	2		A-D Converter, 16-BIT, 100KHz BIPOLAR	ADS8321E/250G4	SMD 120-6877●	16.81	14.45	12.46	11.21	– –
8322 TI	32	TQFP	2	1.6	16-BIT, 500 KHZ A-D Converter	ADS8322Y	SMD 121-2289●	24.97	20.77	16.63	– –	– –
8322 TI	32	TQFP	2	1.6	16-BIT, 500 KHZ A-D Converter	ADS8322Y.	SMD 840-9455	20.74	17.82	15.37	13.82	– –
8323 TI	32	TQFP	2	1.6	A-D Converter ADS BIPOLAR INPUT 500Kh2	ADS8323Y	SMD 121-2290●	24.97	20.77	16.63	– –	– –
8323 TI	32	TQFP	2	1.6	A-D Converter ADS BIPOLAR INPUT 500Kh2	ADS8323Y.	SMD 840-9463	20.74	17.82	15.37	13.82	– –
8325 BB	8	MSOP	1.5	6.67	C, R, S, S/A	ADS8325IBDGKT.	SMD 501-1620	21.09	18.12	15.63	14.06	– –
8341 BB	16	SSOP	6	16	C, R, S	ADS8341EB	SMD 110-0946●	27.91	23.33	20.68	18.60	– –
8341 TI	16	SSOP	2		A-D Converter; 16-BIT 4-Channel 200KHZ Serial	ADS8341E	SMD 121-2292●	24.16	20.76	17.90	16.10	– –
8341 TI	16	SSOP	2		A-D Converter; 16-BIT 4-Channel 200KHZ Serial	ADS8341E..	SMD 840-9480	23.44	20.14	17.37	15.63	– –
8343 TI	16	SSOP	6	6	C, R, S, S/A	ADS8343EBG4	SMD 121-4425●	28.08	23.47	20.81	18.71	– –
8343 BB	16	SSOP	6	6	C, R, S, S/A	ADS8343EB	SMD 501-1632	28.08	23.47	20.81	18.71	– –
8344 BB	20	SSOP	6	16	C, R, S	ADS8344EBG4	SMD 110-0947●	30.03	26.19	22.79	20.89	– –
8344 TI	20	SSOP	2		A-D Converter, 16-BIT, 8-Channel	ADS8344NG4	SMD 120-7897●	26.12	21.83	19.35	17.41	– –
8344 TI	20	QSOP	2		A-D Converter, 16-BIT, 8-Channel	ADS8344E	SMD 121-2293●	26.12	21.83	19.35	17.41	– –
8344 TI	20	SSOP	2		A-D Converter, 16-BIT, 8-Channel	ADS8344NB	SMD 121-2294●	30.03	26.19	22.79	20.89	– –
8344 TI	20	QSOP	2		A-D Converter, 16-BIT, 8-Channel	ADS8344E..	SMD 840-9501	26.46	22.11	19.61	17.63	– –
8344 TI	20	SSOP	2		A-D Converter, 16-BIT, 8-Channel	ADS8344NB..	SMD 840-9528	30.03	25.37	22.07	20.23	– –
8345 TI	20	SSOP	2		16-BIT, 8 Channel, 100KHZ Serial A-D Converter	ADS8345NBG4	SMD 120-6878●	31.34	26.19	22.79	20.89	– –
8345 TI	20	QSOP	6		C, R, S, S/A	ADS8345EB	SMD 121-4426●	30.03	26.19	22.79	20.89	– –
8345 BB	20	QSOP	6		C, R, S, S/A	ADS8345EB.	SMD 501-1656	31.73	26.52	23.07	21.15	– –
8361 TI	24	SSOP	1.5	1.6	Dual 250KHZ, 16-BIT, 2+2 Channel	ADS8361IDBQG4	SMD 120-6879●	28.57	23.87	21.17	19.04	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

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Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
18-Bit A/D												
132 MAX	24	DIL	–	63	C, S	MAX132CNG+	118-7950●	46.83	34.86	24.86	– –	– –
7674 ADI	48	LFSCP	2.5	1.25	5V, 800kSPS, P, S, S/A, S/H	AD7674ACP	SMD 839-7481▲	86.16	72.09	54.96	– –	– –
7674 ADI	48	LQFP	2.5	1.25	5V, 800kSPS, P, S, S/A, S/H	AD7674ASTZ	SMD 839-7490●	86.16	72.09	54.96	– –	– –
7678 ADI	48	LFSCP	2.5	1.5	5V, 100kSPS, P, S, S/A, S/H	AD7678ACP	SMD 839-7503▲	59.19	49.53	37.77	– –	– –
7678 ADI	48	LQFP	2.5	1.5	5V, 100kSPS, P, S, S/A, S/H	AD7678ASTZ	SMD 114-3269●	59.19	49.53	37.77	– –	– –
7679 ADI	48	LFSCP	2.5	1.5	5V, 570kSPS, P, S, S/A, S/H	AD7679ACP	SMD 839-7520▲	78.93	66.03	50.34	– –	– –
8139 ADI	8	SOIC			Differential ADC Driver, R2R, Up to 18-bit	AD8139ARDZ	SMD 839-7864●	11.50	9.59	7.67	– –	– –
20-Bit A/D												
1213 TI	28	SSOP	1	2.9	4-Channel, 5V, MC, S, S/A	ADS1213EG4	SMD 932-4089●	31.34	27.28	23.74	21.76	– –
22-Bit A/D												
112 TI	28	SOIC	1	–	20-BIT,2 Chan- Current Input A-D Converter	DDC112U..	SMD 846-6475	31.74	27.57	25.12	23.56	– –
112 TI	28	SOIC	1	–	20-BIT,2 Chan- Current Input A-D Converter	DDC112U	SMD 121-2386●	35.48	30.81	28.08	26.33	– –
112 TI	28	SOIC	1	–	20-BIT,2 Chan- Current Input A-D Converter	DDC112UK..	SMD 846-6483	47.38	41.15	37.49	35.16	– –
112 TI	28	SOIC	1	–	20-BIT,2 Chan- Current Input A-D Converter	DDC112UK	SMD 121-2387●	45.75	39.73	36.20	33.95	– –
3551 MCHIP	8	MSOP	6	72.73	13.75SPS, Delta-Sigma	MCP3551-E/MS	SMD 108-4624●	10.58	6.19	6.19	– –	– –
3551 MCHIP	8	SOIC	6	72.73	13.75SPS, Delta-Sigma	MCP3551-E/SN	SMD 108-4625●	10.49	6.13	6.13	– –	– –
24-Bit A/D												
1201 TI	16	SOIC	1	–	A-D Converter, 24-BIT, Sigma-Delta,R	ADS1201U	SMD 840-8947	20.08	17.25	14.88	13.38	– –
1210 BB	18	DIL	1	1.2	C, L, S, R	ADS1210P.	789-872‡	33.78	29.41	26.80	25.13	– –
1210 BB	18	DIL	1	1.2	C, L, S, R	ADS1210P	109-7569▲	33.78	29.41	26.80	25.13	– –
1210 BB	18	SOIC	1	1.2	C, L, S, R	ADS1210U.	SMD 353-8760‡	30.06	26.10	23.79	22.30	– –
1210 BB	18	SOIC	1	1.2	C, L, S, R	ADS1210U	SMD 109-7511●	32.08	28.01	25.53	23.94	– –
1211 TI	24	DIL	1	1.2	C, L, S, R	ADS1211PG4	121-9430●	36.95	32.09	29.24	27.42	– –
1211 TI	24	SOIC	1	1.2	4-Channel, 5V, MC, S, S/A	ADS1211UG4	SMD 932-4070●	34.10	30.56	27.85	26.11	– –
1217 BB	48	TQFP	1	1	C, D/B, R, S	ADS1217IPFB.	SMD 501-1413	18.39	15.80	13.63	12.26	– –
1217 TI	48	TQFP	1	1	C, D/B, R, S	ADS1217IPFB	SMD 121-4419●	17.61	14.65	12.34	– –	– –
1240 BB	24	SSOP	1	1	C, D/B, R, S	ADS1240E	SMD 501-1449	14.86	11.37	9.42	8.40	– –
1240 TI	24	SSOP	1	1	C, D/B, R, S	ADS1240EG4	SMD 121-4420●	14.86	11.37	9.42	8.40	– –
1240 BB	24	SSOP	1	1	C, D/B, R, S	ADS1240E	SMD 501-1449	14.86	11.37	9.42	8.40	– –
1241 TI	28	SSOP	1	–	C, D/B, R, S	ADS1241EG4	SMD 121-4422●	16.42	12.57	10.41	9.28	– –
1242 BB	16	TSSOP	1		C, D/B, R, S	ADS1242IPW	SMD 110-6056●	14.99	11.47	9.51	8.48	– –

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
24-Bit A/D												
1243 BB	20	TSSOP	1	1	C, D/B, R, S.	ADS1243IPW	SMD 110-6057	15.97	12.22	10.13	9.03	– –
1251 BB	8	SOIC	1	–	C, R, S	ADS1251U	SMD 110-3104	18.28	15.71	13.55	12.19	– –
1251 TI	8	SOIC	1	–	C, R, S	ADS1251UG4	SMD 932-4097	18.28	15.71	13.55	12.19	– –
1252 TI	8	SOIC	1	0.4	C, R	ADS1252UG4	SMD 120-2022	18.28	15.71	13.55	12.19	– –
1253 BB	16	SSOP	1	–	C, R, S	ADS1253E	SMD 501-1528	21.87	18.79	16.21	14.58	– –
1253 TI	16	SSOP	1	–	C, R, S	ADS1253EG4	SMD 121-4423	21.87	18.79	16.21	14.58	– –
1271 TI	16	TSSOP	–	9.52	105kSPS, Delta-Sigma	ADS1271IPW	SMD 996-8865	19.26	16.55	14.27	12.84	– –
1836 ADI	52	MQFP	–	–	Multichannel, 96 kHz Codec.	AD1836AASZ	SMD 114-3227	29.25	24.48	18.66	– –	– –
7732 ADI	28	TSSOP	4	–	2-Channel, MC, S	AD7732BRUZ	SMD 114-3273	27.22	22.68	18.14	– –	– –
7734 ADI	28	TSSOP	4	–	4-Channel, MC	AD7734BRUZ	SMD 114-3274	27.22	22.68	18.14	– –	– –
7738 ADI	28	TSSOP	–	–	8-Channel, MC	AD7738BRUZ	SMD 114-3275	25.98	22.77	16.26	– –	– –
7787 ADI	10	MSOP	–	–	2-Channel, S, Sigma Delta	AD7787BRMZ	SMD 114-3276	12.38	10.32	8.26	– –	– –
7788 ADI	10	MSOP	–	–	Differential Input, Sigma Delta	AD7788BRMZ	SMD 114-3277	7.47	6.39	5.34	– –	– –
7789 ADI	10	MSOP	–	–	S, Sigma Delta.	AD7789BRMZ	SMD 114-3278	9.21	7.67	6.14	– –	– –
7793 ADI	16	TSSOP	15		3-Channel, R, Sigma-Delta.	AD7793BRUZ	SMD 945-3067	14.94	12.78	10.65	– –	– –
7794 ADI	24	TSSOP	–	2000	6-Channel, 500SPS, R, S, Sigma-Delta	AD7794BRUZ	SMD 107-8329	18.58	15.48	12.38	– –	– –
7799 ADI	16	TSSOP	–	2000	3-Channel, 500SPS, S, Sigma-Delta	AD7799BRUZ	SMD 107-8327	13.93	11.61	9.29	– –	– –
74111 ADI	16	TSSOP	–		Low Power Mono Audio Code, Sigma Delta ADC	AD74111YRUZ	SMD 114-3255	7.83	6.53	5.22	– –	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

414039

Mftr.	Pins	Pins	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3, 3½, 3¾, 4½ Digit A/D										
7106INTS	40	DIL	3Æ Digits, Integrating, CMOS, Single chip, Drives LCD Display	ICL7106CPLZ	966-3550	4.67	4.12	3.66	3.29	– –
7107INTS	40	DIL	3Æ Digits, Integrating, CMOS, Single chip, Drives LED Display	ICL7107CPLZ	966-3568	4.93	4.35	3.86	3.48	– –
7107MCHIP	40	DIL	3½ Digits, Integrating, CMOS, Single chip, Drives LED Display	TC7107CPL	119-6783	7.07	5.15	4.66	– –	– –
7126INTS	40	DIL	3Æ Digits, Integrating, CMOS, Single chip, Low Power, Drives LCD Display	ICL7126CPLZ	966-3576	8.15	7.18	6.38	5.74	– –
7126MCHIP	40	DIL	3½ Digits, Integrating, CMOS, Single chip, Low Power, Drives LCD Display	TC7126CPL	119-6784	11.06	8.04	7.27	– –	– –
7135TI	28	DIL	4½ Digits, Integrating, CMOS, multiplexed BCD output	ICL7135CN..	396-874	12.23	9.36	7.76	6.92	– –
7135INTS	28	DIL	4Æ Digits, Integrating, CMOS, multiplexed BCD output	ICL7135CPIZ	966-3584	6.30	5.55	4.93	4.44	– –
7136INTS	44	PQFP	3Æ Digits, Integrating, CMOS, Single chip, Low Power, Drives LCD Display	ICL7136CM44Z	SMD 966-3592	7.93	6.99	6.21	5.59	– –
7136INTS	40	DIL	3Æ Digits, Integrating, CMOS, Single chip, Low Power, Drives LCD Display	ICL7136CPLZ	966-3606	8.34	7.34	6.52	5.88	– –

414040

Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
8-Bit D/A												
08 ADI	16	SOIC	1	0.15	M	DAC08CSZ	SMD 942-6116	3.21	2.55	2.13	– –	– –
08 ADI	16	DIL	1	0.15	M	DAC08CPZ	960-4448	3.21	2.55	2.13	– –	– –
08 ADI	16	DIL	0.5	0.15	M	DAC08EPZ	960-4456	3.99	3.21	2.67	– –	– –
08 ADI	16	DIL	0.25	0.135	M	DAC08HPZ	960-4464	6.00	4.80	3.99	– –	– –
081 NSC	6	TSOT	0.04	3	R2R, µWire.	DAC081S101CIMK	SMD 110-1193	4.70	3.33	2.43	– –	– –
081 NSC	8	MSOP	0.04	3	R2R, µWire.	DAC081S101CIMM	SMD 110-1194	3.97	2.81	2.05	– –	– –
0800 NSC	16	DIL	0.5	0.15	M	DAC0800LCN	948-6640	2.75	1.95	1.42	– –	– –
0808 NSC	16	DIL	0.5	0.15	M	DAC0808LCN	948-6658	2.84	2.08	1.51	– –	– –
0832 NSC	20	PLCC		1	C, D/B, M	DAC0832LCV.	SMD 951-018‡	9.36	7.08	5.30	– –	– –
0832 NSC	20	DIL	0.5	1	C, D/B, L, M	DAC0832LCN	948-6666	6.08	4.54	3.40	– –	– –
0832 NSC	20	PLCC	0.5	1	C, D/B, M	DAC0832LCV	SMD 949-4316	9.24	6.71	5.03	– –	– –
500 MAX	16	DIL	1	4.5	(Quad) C, D/B, L, V.	MAX500ACPE+	972-6373	32.41	24.13	17.53	– –	– –
517 MAX	8	DIL	1	1	D/B, R, R2R, V	MAX517BCPA	789-010▲‡	10.47	8.01	5.71	– –	– –
517 MAX	8	SOIC	1–	1	D/B, R, R2R, V	MAX517ACSA+	SMD 972-5644	16.11	12.33	8.80	– –	– –
517 MAX	8	DIL	1	1	D/B, R, R2R, V	MAX517BCPA+	972-6420	10.47	8.01	5.71	– –	– –
521 MAX	20	DIL	1	6	D/B, L, MC, R2R, S, V.	MAX521ACPP	702-675▲‡	31.82	23.69	17.21	– –	– –
521 MAX	20	DIL	1	6	D/B, L, R2R, S, V	MAX521ACPP+	972-6268	31.84	23.70	17.22	– –	– –
533 MAX	16	DIL	2	6	4-Channel, C, D/B, MC, R, R2R.	MAX533BCPE	794-594▲	11.99	9.17	6.54	– –	– –
534 MAX	16	QSOP	1	8	4-Channel, C, MC, R, R2R, S, V	MAX534AEEE	SMD 490-5027▲‡	29.29	21.80	15.85	– –	– –
534 MAX	16	QSOP	1	8	(Quad)C, R, R2R, S, V.	MAX534AEEE+	SMD 972-5660	29.31	21.81	15.85	– –	– –
557 ADI	16	DIL	1	1.5	L, MC, P, R, V.	AD557JNZ	960-4472	13.50	11.31	8.61	– –	– –
558 ADI	16	DIL	0.5	1.5	L, MC, P, R, V.	AD558JNZ	107-9362	27.96	21.00	13.86	– –	– –
908 TI	28	SOIC	0.5	30	D-A Converter, 8-BIT 125 MHZ	DAC908UG4	SMD 120-6887	10.79	8.26	6.84	6.10	– –
3338INTS	16	DIL	0.75	0.02	C, L, R2R	CA3338E	639-515▲‡	23.82	21.51	20.56	18.13	– –
3338INTS	16	DIL	0.75	0.02	C, L, R2R	CA3338EZ	966-4106	23.82	21.51	20.56	18.13	– –
5300 ADI	8	MSOP	1	4	MC, R, R2R, S, V	AD5300BRMZ	SMD 107-9290	4.16	3.47	2.77	– –	– –
5301 ADI	8	MSOP	0.02	8	C, V, R2R, S	AD5301BRMZ	SMD 960-3956	4.64	3.87	3.10	– –	– –
5304 ADI	10	MSOP	0.02	8	4-Channel, C, D/B, R2R, S, V	AD5304BRMZ	SMD 942-5900	11.52	7.35	6.39	– –	– –
5305 ADI	10	MSOP	0.02	6	4-Channel, C, D/B, R2R, S, V	AD5305BRMZ	SMD 960-4120	11.52	7.35	6.39	– –	– –
5306 ADI	16	TSSOP	0.25	6	4-Channel, C, D/B, R2R, S, V	AD5306BRUZ	SMD 942-5918	12.27	7.86	6.84	– –	– –
5307 ADI	16	TSSOP	0.25	6	4-Channel, C, D/B, R2R, S, V	AD5307BRUZ	SMD 960-4138	12.27	7.86	6.84	– –	– –
5308 ADI	16	TSSOP	0.75	6	8-Channel, D/B, R2R, V.	AD5308BRUZ	SMD 942-6337	13.45	11.21	8.96	– –	– –
5330 ADI	20	TSSOP	0.25	6	C, D/B, R2R, P, V	AD5330BRUZ	SMD 960-4170	6.48	5.40	4.32	– –	– –
5332 ADI	20	TSSOP	0.25	6	2-Channel, C, D/B, R2R, P, V	AD5332BRUZ	SMD 107-9340	11.52	7.35	6.39	– –	– –
5334 ADI	24	TSSOP	0.4	6	4-Channel, C, D/B, R2R, P, V	AD5334BRUZ	SMD 960-4189	13.08	8.37	7.29	– –	– –
5337 ADI	8	MSOP	0.15	6	2-Channel, 2.5-to-5V, 250µA, 2 Wire Interface, Dual Voltage Output, Double-Buffered 8-Bit DAC	AD5337ARMZ	SMD 114-3234	4.32	2.76	2.40	– –	– –
5337 ADI	8	MSOP	0.15	6	2-Channel, 2.5-to-5V, 250µA, 2 Wire Interface, Dual Voltage Output, Double-Buffered 8-Bit DAC	AD5337BRMZ	SMD 114-3235	5.18	4.32	3.46	– –	– –
5346 ADI	40	LFCSP	0.15	8	8-Channel, P, V.	AD5346BCPZ	SMD 114-3238	9.74	8.11	6.49	– –	– –
5346 ADI	38	TSSOP	0.15	8	8-Channel, P, V.	AD5346BRUZ	SMD 114-3239	11.52	7.35	6.39	– –	– –
5424 ADI	16	TSSOP	0.25	0.6	C, M, P, V.	AD5424YRUZ	SMD 114-3246	8.46	5.40	4.71	– –	– –
5424 ADI	20	LFCSP	0.25	0.6	C, M, P, V.	AD5424YCPZ	SMD 839-6990	8.46	5.40	4.71	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
5426ADI	10	MSOP	0.25	1	C, M, S, V	AD5426YRMZ	SMD 114-3247 ●	9.33	5.94	5.16	– –	– –
5571TI	6	SOP	0.25	8	D-A Converter, 8-BIT I2C Single Channel	DAC5571IDBVTG4	SMD 120-6846 ●	3.96	3.03	2.31	2.03	– –
5602TI	20	SOIC	0.5	0.03	8-BIT D-A Converter, 30MSPS	TLC5602CDW	SMD 845-4450 ●	6.47	4.95	3.78	3.32	– –
5620TI	14	SOIC	0.9	10	8-BIT D-A Converter, Quad	TLC5620CD	SMD 845-4485 ●	6.60	5.05	3.86	3.39	– –
5620TI	14	PDIP	0.9	10	8-BIT D-A Converter, Quad	TLC5620CN	845-4493 ●	7.04	5.39	4.11	3.62	– –
5620TI	14	PDIP	0.9	10	8-BIT D-A Converter, Quad	TLC5620IN	845-4507 ●	7.48	5.72	4.37	3.84	– –
5620TI	14	SOIC	0.9	10	8-BIT D-A Converter, Quad	TLV5620CD	SMD 845-5694 ●	4.40	3.37	2.57	2.26	– –
5620TI	14	PDIP	0.9	10	8-BIT D-A Converter, Quad	TLV5620CN	845-5708 ●	5.06	3.87	2.96	2.60	– –
5620TI	14	SOIC	0.9	10	8-BIT D-A Converter, Quad	TLV5620ID	SMD 845-5716 ●	4.62	3.53	2.70	2.37	– –
5621TI	14	SOIC	0.9	10	8-BIT D-A Converter, Quad	TLV5621ID	SMD 845-5724 ●	7.26	5.55	4.24	3.73	– –
5623TI	8	SOIC	0.2	3	8-BIT D-A Converter	TLV5623ID	SMD 845-5732 ●	4.84	3.70	2.83	2.49	– –
5625TI	8	SOIC	0.2	3	8-BIT D-A Converter, Dual	TLV5625ID	SMD 845-5740 ●	7.92	6.06	4.63	4.07	– –
5626TI	8	SOIC	0.5	0.8	8-BIT D-A Converter, Dual	TLV5626ID	SMD 845-5759 ●	8.80	6.73	5.14	4.52	– –
5628TI	16	PDIP	0.9	10	8-BIT D-A Converter, Quad	TLC5628CN	845-4515 ●	9.97	7.63	6.32	5.64	– –
5628TI	16	SOIC	0.9	10	8-BIT D-A Converter, OCTAL	TLV5628CDW	SMD 845-5767 ●	9.68	7.41	5.65	4.97	– –
5641TI	28	SOIC	0.25	35	C, R	THS5641AIDWG4	SMD 121-4392 ●	10.79	8.26	6.84	6.10	– –
5641TI	28	SOIC	0.25	35	C, R	THS5641AIDW	SMD 355-5884	10.79	8.26	6.84	6.10	– –
5660INTS	28	SOIC	0.25	0.005	C, L, MC, R	HI5660IB	SMD 302-5548 ▲‡	15.28	13.79	13.18	11.63	– –
5660INTS	28	SOIC	0.25	0.005	C, L, R (IND TEMP)	HI5660IBZ	SMD 966-3495 ●	15.28	13.79	13.18	11.63	– –
7225TI	24	SOIC	1	5	8-BIT D-A Converter, Quad	TLC7225CDW	SMD 845-4590 ●	9.81	7.51	5.73	5.04	– –
7226ADI	20	DIL	1	5	4-Channel, C, L, M, MC, P, V	AD7226KNZ	107-9363 ●	56.37	46.14	34.20	– –	– –
7226MAX	20	DIL	1	5–	4-Channel, C, L, M, MC, P, V	MX7226KN+	118-7978 ●	54.65	40.68	29.01	– –	– –
7226TI	20	PDIP	1	5	8-BIT D-A Converter, Quad	TLC7226CN	845-4604 ●	9.41	7.20	5.50	4.84	– –
7226TI	20	SOIC	1	5	8-BIT D-A Converter, Quad	TLC7226IDW	SMD 845-4612 ●	9.63	7.37	5.63	4.95	– –
7226TI	20	PDIP	1	5	8-BIT D-A Converter, Quad	TLC7226IN	845-4620 ●	10.25	7.84	5.99	5.27	– –
7228ADI	24	DIL	1	5	8-Channel, C, L, M, MC, P, V	AD7228KNZ	107-9364 ●	97.59	79.86	59.16	– –	– –
7302ADI	20	DIL	1	1.2	R, R2R, V, Dual Output	AD7302BNZ	107-9330 ●	6.88	5.73	4.59	– –	– –
7303ADI	8	DIL	1	1.2	D/B, R, R2R, S	AD7303BNZ	107-9413 ●	8.04	6.70	5.36	– –	– –
7524TI	16	DIL	0.5	0.1	C, L, M, MC, P	TLC7524CN..	397-246	6.06	4.63	3.54	3.11	– –
7524ADI	16	DIL	0.25	0.35	C, L, M, MC, P	PM7524FPZ	107-9365 ●	5.61	4.67	3.74	– –	– –
7524TI	16	SOIC	0.5	5	C, L, M, MC, P	TLC7524CD	SMD 110-2951 ●	6.07	4.65	3.55	3.12	– –
7524TI	16	DIL	0.5	0.1	C, L, M, MC, P	TLC7524CN	110-2997 ●	6.47	4.95	3.78	3.32	– –
7524TI	16	SOIC	0.5	5	C, L, M, MC, P	TLC7524CD..	SMD 334-2761	5.55	4.25	3.24	2.85	– –
7524TI	16	PDIP	0.5	0.1	8-BIT D-A Converter, MULTIPLYING	TLC7524IN	845-4639 ●	6.91	5.28	4.04	3.55	– –
7524ADI	16	DIL	0.5	0.4	C, L, M, MC, P	AD7524JNZ	960-5401 ●	13.86	11.10	8.31	– –	– –
7528ADI	20	DIL	0.5	0.2	2-Channel, C, L, M, MC, P	PM7528FPZ	107-9366 ●	9.33	7.47	6.24	– –	– –
7528MAX	20	DIL	1	0.2	2-Channel, C, L, M, MC, P	MX7528JN+	118-7979 ●	17.54	13.42	9.58	– –	– –
7528TI	20	PDIP	0.5	0.1	8-BIT D-A Converter, MULTIPLYING Dual	TLC7528CN	845-4647 ●	6.47	4.95	3.78	3.32	– –
7528ADI	20	DIL	1	0.2	2-Channel, C, L, M, MC, P	AD7528JNZ	960-4480 ●	18.12	14.88	11.01	– –	– –
7528ADI	20	DIL	0.5	0.2	2-Channel, C, L, M, MC, P	AD7528KNZ	960-4499 ●	18.84	15.12	11.37	– –	– –
7801ADI	20	SOIC	1	2	R, R2R, V	AD7801BRZ	SMD 942-5829 ●	6.57	5.55	4.11	– –	– –
8134TI	48	HTQFP	1	9	8-BIT D-A Converter, 80MSPS TRIPLE	THS8134BCPHP	SMD 121-2371 ●	19.10	16.41	14.15	12.73	– –
8134TI	48	HTQFP	1	9	8-BIT D-A Converter, 80MSPS TRIPLE	THS8134BCPHP..	SMD 845-3543	17.08	14.68	12.66	11.39	– –
8228ADI	20	DIL	1	5	C, L, M, MC, V	DAC8228FPZ	107-9367 ●	14.67	12.27	9.36	– –	– –
8591PS	16	DIL	1.5		C, T/H (A/D & D/A Converter)	PCF8591P	396-412 ●	11.64	9.32	6.99	5.46	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

414041

10-Bit D/A

Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
101 NSC	6	TSOT	0.15	8	R2R, µWire	DAC101S101CIMK	SMD 110-1196 ●	5.92	4.30	3.22	– –	– –
101 NSC	8	MSOP	0.15	8	R2R, µWire	DAC101S101CIMM	SMD 110-1197 ●	5.92	4.30	3.22	– –	– –
561 ADI	16	DIL	0.5	0.25	C, R, S/A	AD561JNZ	114-3222 ●	55.41	46.17	36.94	– –	– –
5310ADI	8	MSOP	1	6	MC, R, R2R, S, V	AD5310BRMZ	SMD 942-5543 ●	5.62	4.68	3.74	– –	– –
5311ADI	8	MSOP	0.5	7	C, D/B, MC, R2R, S, V	AD5311BRMZ	SMD 960-4146 ●	6.48	5.40	4.32	– –	– –
5312ADI	10	MSOP	0.5	7	R, R2R, S, V	AD5312BRMZ	SMD 942-5667 ●	8.34	6.00	5.22	– –	– –
5314ADI	10	MSOP	0.5	7	4-Channel, C, D/B, MC, R2R, S, V	AD5314BRMZ	SMD 942-5926 ●	11.77	9.81	7.85	– –	– –
5315ADI	10	MSOP	0.5	7	4-Channel, C, D/B, MC, R2R, S, V	AD5315BRMZ	SMD 960-4154 ●	11.77	9.81	7.85	– –	– –
5316ADI	16	TSSOP	0.5	7	4-Channel, C, D/B, MC, R2R, S, V	AD5316BRUZ	SMD 107-9338 ●	14.64	9.36	8.13	– –	– –
5317ADI	16	TSSOP	0.5	7	4-Channel, C, D/B, MC, R2R, S, V	AD5317BRUZ	SMD 942-5934 ●	12.17	10.14	8.11	– –	– –
5331ADI	20	TSSOP	0.5	7	C, D/B, MC, R2R, P, V	AD5331BRUZ	SMD 942-5950 ●	8.19	5.22	4.56	– –	– –
5333ADI	24	TSSOP	0.5	7	2-Channel, C, D/B, MC, R2R, P, V	AD5333BRUZ	SMD 942-5969 ●	11.70	7.47	6.51	– –	– –
5335ADI	24	TSSOP	0.5	7	4-Channel, C, D/B, MC, R2R, P, V	AD5335BRUZ	SMD 114-3197 ●	15.03	9.63	8.37	– –	– –
5336ADI	24	TSSOP	0.5	7	4-Channel, C, D/B, MC, R2R, P, V	AD5336BRUZ	SMD 942-5977 ●	13.28	11.07	8.86	– –	– –
5338ADI	8	MSOP	0.5	7	2-Channel, 2.5-to-5V, 250µA, 2 Wire Interface, Dual Voltage Output, Double-Buffered 10-Bit DAC	AD5338ARMZ	SMD 114-3236 ●	6.32	5.27	4.21	– –	– –
5338ADI	8	MSOP	0.5	7	2-Channel, D/B, R2R, V, Dual Output	AD5338BRMZ	SMD 114-3237 ●	10.14	6.51	5.64	– –	– –
5347ADI	38	TSSOP	0.5	7	8-Channel, P, V	AD5347BCPZ	SMD 114-3240 ●	16.09	13.41	10.73	– –	– –
5347ADI	40	LFCSP	0.5	7	8-Channel, P, V	AD5347BRUZ	SMD 114-3241 ●	19.20	12.27	10.65	– –	– –
5398ADI	8	LFCSP	1	250	R	AD5398BCPZ-WP	SMD 107-8351 ●	4.86	4.05	3.24	– –	– –
5432ADI	10	MSOP	0.5	0.05	C, D/B, M, S	AD5432YRMZ	SMD 114-3248 ●	8.69	7.25	5.80	– –	– –
5433ADI	20	TSSOP	0.5	0.035	C, M, P	AD5433YRUZ	SMD 114-3249 ●	9.33	5.94	5.16	– –	– –
5433ADI	20	LFCSP	0.5	0.035	C, M, P	AD5433YCP	SMD 839-7040 ▲	9.33	5.94	5.16	– –	– –
5604TI	16	SOIC	1	9	10-BIT D-A Converter, Quad	TLV5604CD	SMD 845-5570 ●	13.88	11.07	9.17	8.18	– –
5606TI	8	SOIC	1	3	10-BIT D-A Converter	TLV5606ID	SMD 845-5589 ●	6.16	4.71	3.60	3.17	– –
5608TI	20	SOIC	1	1	10-BIT D-A Converter	TLV5608IDW	SMD 845-5597 ●	19.16	14.66	12.03	10.83	– –
5615TI	8	PDIP	0.5	12.5	10-BIT D-A Converter	TLC5615CP	845-4469 ●	7.96	6.09	4.65	4.09	– –
5615TI	8	PDIP	0.5	12.5	10-BIT D-A Converter	TLC5615IP	845-4477 ●	8.36	6.40	4.88	4.30	– –
5617TI	8	SOIC	0.5	2.5	10-BIT D-A Converter, Dual	TLV5617AID	SMD 845-5651 ●	10.12	8.08	6.17	5.43	– –
5631TI	20	SOIC	1	3	10-BIT D-A Converter	TLV5631IDW	SMD 845-5791 ●	18.28	15.71	13.55	12.19	– –
5637TI	8	SOIC	0.5	0.8	10-BIT D-A Converter	TLV5637CD	SMD 845-5813 ●	12.51	9.57	7.93	7.07	– –
5637TI	8	SOIC	0.5	0.8	10-BIT D-A Converter	TLV5637ID	SMD 845-5830 ●	13.29	10.17	8.43	7.51	– –
5760INTS	28	SOIC	1	0.02	C, R	HI5760BIB	SMD 302-5561 ▲‡	19.45	17.55	16.78	14.80	– –
5760INTS	28	SOIC	1	0.02	C, R (IND TEMP)	HI5760BIBZ	SMD 966-3509 ●	19.45	17.55	16.78	14.80	– –
6571TI	6	SOP	0.5	9	D-A Converter, 10-BIT I²C Single Channel	DAC6571IDBVT	SMD 121-2268 ●	6.16	4.71	3.60	3.17	– –
6571TI	6	SOP	0.5	9	D-A Converter, 10-BIT I²C Single Channel	DAC6571IDBVT.	SMD 840-8467	5.96	4.56	3.48	3.06	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
6574 TI	10	VSSOP	0.5	9	D-A Converter, 10-BIT Quad I²C	DAC6574IDGSG4	SMD 120-6851	11.93	9.13	7.56	6.74	– –
7533 ADI	16	DIL	2	0.6	C, M	AD7533JNZ	960-5410	9.78	8.16	7.11	– –	– –
7808 ADI	24	DIL	3	4	C, D/B, R, S	AD7808BNZ	114-3186	32.28	26.90	21.52	– –	– –
8200 TI	80	HTQFP	1	6.6	10-BIT D-A Converter, TRIPLE	THS8200PFPG4	SMD 120-7278	19.59	16.83	14.52	13.06	– –
8384 ADI	80	LQFP	1.5	30	6-Channel, 10-Bit Decimating LCD DecDriver with Level Shifters	AD8384ASVZ	SMD 839-7953	14.90	12.42	9.94	– –	– –
9761 ADI	28	SSOP	0.5	0.035	2-Channel, C, R	AD9761ARSZ	SMD 942-5632	25.47	21.84	18.21	– –	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

414042

Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
12-Bit D/A												
3 INTS	24	DIL	0.5	1.5	R2R, V	HI3-DAC80V-5	705-354 ▲	56.98	51.43	49.16	43.36	– –
3 INTS	24	DIL	0.5	1.5	R2R, V	HI3-DAC80V-5Z	121-6126	57.48	52.98	50.64	44.67	– –
101 NSC	6	TSOT	0.25	8	R2R, µWire	DAC121S101CIMK	SMD 110-1198	6.73	4.89	3.66	– –	– –
101 NSC	8	MSOP	0.25	8	R2R, µWire	DAC121S101CIMM	SMD 110-1199	6.73	4.89	3.66	– –	– –
312 ADI	20	DIL	1	0.5	M	DAC312HPZ	107-9368	12.00	10.01	8.01	– –	– –
514 MAX	24	DIL	0.5	0.25	C, MC, P, R	MAX514ACNG	788-934 ▲	76.38	58.32	42.39	– –	– –
531 MAX	14	SOIC	1	25	C, MC, R, S, V	MAX531BCSD	SMD 490-5015 ▲‡	31.40	23.37	16.98	– –	– –
531 MAX	14	SOIC	1	25	C, R, S, V	MAX531BCSD+	SMD 972-5652	31.40	23.37	16.98	– –	– –
532 MAX	16	SOIC	0.5	2.5	2-Channel, M, S, V	MAX532ACWE	SMD 641-649 ▲‡	53.64	39.93	28.48	– –	– –
532 MAX	16	SOIC	0.5	2.5	(Dual) M, S, V	MAX532ACWE+	SMD 972-6071	53.64	39.93	28.48	– –	– –
667 ADI	28	DIL	0.5	4	D/B, L, MC, P, R, V	AD667JNZ	960-4502	41.97	26.25	21.09	– –	– –
767 ADI	20	DIL	0.5–	4	L, MC, P, R, V	AD767JNZ	960-4510	34.56	28.95	22.05	– –	– –
1257 LT	8	DIL	0.5	6–	MC, S, V	LTC1257CN8	476-7561 ▲	15.87	13.50	11.58	– –	– –
1257 LT	8	DIL	0.5	6	MC, S, V	LTC1257CN8#PBF	956-0963	16.38	10.50	8.54	– –	– –
1446 LT	8	DIL	0.5	14–	2-Channel, R, R2R	LTC1446CN8	791-866 ▲	25.08	15.97	12.58	– –	– –
1446 LT	8	SOIC	0.5	14	2-Channel, MP, R, R2R	LTC1446CS8	SMD 476-7688 ▲	22.98	19.53	16.74	– –	– –
1446 LT	8	DIL	0.5	14–	2-Channel, R, R2R	LTC1446CN8#PBF	956-1153	25.08	15.97	12.58	– –	– –
1446 LT	8	SOIC	0.5	14–	2-Channel, MP, R, R2R	LTC1446CS8#PBF	SMD 956-1161	23.23	14.88	11.99	– –	– –
1451 LT	8	DIL	0.5	14	C, MP, R, R2R	LTC1451CN8	641-315 ▲	19.19	12.22	9.71	– –	– –
1451 LT	8	SOIC	0.5	14–	C, MP, R, R2R	LTC1451IS8	SMD 791-570 ▲	20.64	13.15	10.45	– –	– –
1451 LT	8	SOIC	0.5	14–	C, MP, R, R2R	LTC1451CS8	SMD 476-7690 ▲	17.28	14.73	12.60	– –	– –
1451 LT	8	DIL	0.5	14	C, MP, R, R2R	LTC1451CN8#PBF	956-1170	19.19	12.22	9.71	– –	– –
1451 LT	8	SOIC	0.5	14	C, MP, R, R2R	LTC1451CS8#PBF	SMD 956-1188	17.83	11.43	9.29	– –	– –
1451 LT	8	SOIC	0.5	14	C, MP, R, R2R	LTC1451IS8#PBF	SMD 956-1196	20.64	13.15	10.45	– –	– –
1452 LT	8	DIL	0.5	14	M, MP, R2R	LTC1452CN8	476-7706 ▲	14.46	12.27	10.53	– –	– –
1452 LT	8	DIL	0.5	14	C, M, R2R	LT1452CN8#PBF	956-0521	16.96	10.81	8.59	– –	– –
1452 LT	8	DIL	0.5	14	M, MP, R2R	LTC1452CN8#PBF	956-1200	14.90	9.55	7.76	– –	– –
1458 LT	28	SOIC	0.5	14	4-Channel, 5V, MP, R, S	LTC1458CSW#PBF	SMD 956-1218	47.00	39.19	33.59	– –	– –
5320 ADI	8	MSOP	1	8	MC, R, R2R, S, V	AD5320BRMZ	SMD 942-5551	8.67	6.24	5.43	– –	– –
5321 ADI	8	MSOP	0.02	8	C, R, V, Serial I/P	AD5321BRMZ	SMD 960-3964	11.52	7.35	6.39	– –	– –
5322 ADI	10	MSOP	1	8	R, R2R, S, V	AD5322BRMZ	SMD 942-5675	14.73	10.59	9.21	– –	– –
5324 ADI	10	MSOP	1	8	4-Channel, C, D/B, R2R, S, V	AD5324BRMZ	SMD 942-5942	27.12	17.34	15.06	– –	– –
5325 ADI	10	MSOP	1	8	4-Channel, C, D/B, R2R, S, V	AD5325BRMZ	SMD 107-9339	27.12	17.34	15.06	– –	– –
5327 ADI	16	TSSOP	1	8–	4-Channel, C, D/B, R2R, S, V	AD5327BRUZ	SMD 960-4162	28.26	18.06	15.72	– –	– –
5339 ADI	8	MSOP	2	8–	2-Channel, D/B, V, Dual Output, 2-wire interface	AD5339ARM	SMD 839-6833 ▲	12.48	7.98	6.93	– –	– –
5340 ADI	24	TSSOP	1	8–	C, D/B, R2R, P, V	AD5340BRUZ	SMD 960-4197	12.66	8.10	7.05	– –	– –
5341 ADI	20	TSSOP	1	8–	C, D/B, R2R, P, V	AD5341BRUZ	SMD 114-3198	11.70	7.47	6.51	– –	– –
5343 ADI	20	TSSOP	1	8–	2-Channel C, D/B, R2R, P, V	AD5343BRUZ	SMD 107-9341	18.33	11.70	10.17	– –	– –
5344 ADI	28	TSSOP	1	8–	4-Channel C, D/B, R2R, P, V	AD5344BRUZ	SMD 960-4200	31.02	19.83	17.25	– –	– –
5348 ADI	40	LFCSP	2	–	8-Channel, D/B, P, V	AD5348BCPZ	SMD 114-3242	27.47	22.89	18.31	– –	– –
5348 ADI	38	TSSOP	2		8-Channel, D/B, P, V	AD5348BRUZ	SMD 114-3243	32.79	20.97	18.21	– –	– –
5381 ADI	100	LQFP	1	6–	40-Channel, D/B, R, R2R, V	AD5381BSTZ-3	SMD 107-8365	123.90	99.09	82.59	– –	– –
5381 ADI	100	LQFP	1	6–	40-Channel, D/B, R, R2R, V	AD5381BSTZ-5	SMD 107-8366	123.90	99.09	82.59	– –	– –
5383 ADI	100	LQFP	1	6–	32-Channel, D/B, R, R2R, V	AD5383BSTZ-3	SMD 107-8361	108.21	86.58	72.15	– –	– –
5383 ADI	100	LQFP	1	6–	32-Channel, D/B, R, R2R, V	AD5383BSTZ-5	SMD 107-8362	108.21	86.58	72.15	– –	– –
5391 ADI	64	LFCSP	1	8–	16-Channel, D/B, R, R2R, V	AD5391BCPZ-3	SMD 107-8354	62.43	49.92	41.61	– –	– –
5391 ADI	52	LQFP	1	8–	16-Channel, D/B, R, R2R, V	AD5391BSTZ-3	SMD 107-8356	62.43	49.92	41.61	– –	– –
5391 ADI	52	LQFP	1	8–	16-Channel, D/B, R, R2R, V	AD5391BSTZ-5	SMD 107-8357	62.43	49.92	41.61	– –	– –
5391 ADI	64	LFCSP	1	6–	16 Channel, 5V, R2R, Serial I/P	AD5391BCP-5	SMD 839-6949 ▲	62.43	49.92	41.61	– –	– –
5399 ADI	10	MSOP	1	0.8–	2-Channel, R, Twos Compliment	AD5399YRMZ	SMD 114-3245	13.28	11.07	8.86	– –	– –
5415 ADI	24	TSSOP	1	0.12–	2-Channel, 2.47MSPS, C, D/B, M, S	AD5415YRUZ	SMD 107-8350	17.52	11.13	9.72	– –	– –
5443 ADI	10	MSOP	1	–	C, D/B, M, S	AD5443YRMZ	SMD 114-3250	13.98	8.91	7.77	– –	– –
5445 ADI	20	TSSOP	1	–	C, M, P	AD5445YRUZ	SMD 114-3251	10.80	9.00	7.20	– –	– –
5445 ADI	8	MSOP	1	160–	C, D/B, M, V	AD5452YRMZ	SMD 945-3091	14.67	9.39	8.16	– –	– –
5447 ADI	24	TSSOP	1	0.08–	2-Channel, 21.3MSPS, C, M, P	AD5447YRUZ	SMD 107-8349	21.06	13.44	11.70	– –	– –
5530 ADI	16	TSSOP	1–	20	V, Serial I/P	AD5530BRUZ	NEW SMD 107-9394	16.56	10.59	9.21	– –	– –
5582 ADI	48	TSSOP	1–	5	4-Channel, V, Parallel I/P	AD5582YRVZ	NEW SMD 114-3205	30.46	25.38	20.30	– –	– –
5610 TI	20	SOIC	1	1	12-BIT D-A Converter	TLV5610IDW	SMD 845-5600	27.75	23.19	20.56	18.50	– –
5614 TI	16	SOIC	1	3	12-BIT D-A Converter,Quad	TLV5614CD	SMD 845-5627	24.32	20.90	18.02	16.21	– –
5614 TI	16	SOIC	1	3	12-BIT D-A Converter,Quad	TLV5614ID	SMD 845-5635	26.12	21.83	19.35	17.41	– –
5616 TI	8	PDIP	1	3	12-BIT D-A Converter	TLV5616CP	845-5643	10.17	7.78	6.44	5.75	– –
5618 TI	8	SOIC	1	3	12-BIT D-A Converter, Dual	TLV5618AID	SMD 845-5660	17.01	13.02	10.78	9.61	– –
5618 TI	8	PDIP	1	3	12-BIT D-A Converter, Dual	TLV5618AIP	845-5678	17.01	13.02	10.78	9.61	– –
5619 TI	20	SOIC	1	1	12-BIT D-A Converter	TLV5619IDW	SMD 845-5686	10.95	8.38	6.94	6.19	– –
5630 TI	20	TSSOP	1	3	12-BIT D-A Converter	TLV5630IPWG4	SMD 120-7302	28.89	24.15	21.01	19.26	– –
5630 TI	20	SOIC	1	3	12-BIT D-A Converter	TLV5630IDW	SMD 845-5775	28.89	24.15	21.01	19.26	– –
5636 TI	8	SOIC	1	1	12-BIT D-A Converter	TLV5636ID	SMD 845-5805	15.25	11.67	9.67	8.62	– –
5638 TI	8	SOIC	1	1	12-BIT D-A Converter	TLV5638CD	SMD 845-5848	14.66	11.22	9.29	8.29	– –
5638 TI	8	SOIC	1	1	12-BIT D-A Converter	TLV5638ID	SMD 845-5856	15.64	11.97	9.91	8.84	– –
7237 ADI	24	DIL	1	10	2-Channel, C, D/B, L, MC, P, R, V	AD7237JNZ	960-4529	48.42	39.60	29.34	– –	– –
7243 ADI	16	DIL	1	0.5	MC, R, S, V	AD7243ANZ	960-5380	21.45	17.97	13.68	– –	– –
7248 ADI	20	DIL	1	10	C, D/B, L, MC, P, R, V	AD7248JNZ	107-9369	27.31	22.76	18.20	– –	– –
7398 ADI	16	SOIC	1	6	4-Channel C, D/B, S, V	AD7398BRZ	SMD 960-4243	29.97	25.08	19.11	– –	– –
7512 TI	8	VSSOP	1	10	D-A Converter, 12-BIT Buffered, Low PWR, Single	DAC7512E/250G4	SMD 120-6852	6.29	4.81	3.68	3.23	– –
7512 TI	6	SOT-23	1	10	12-Bit, Low-Power, Rail-to-Rail Output, Serial Input DAC	DAC7512N/250G4	SMD 932-4151	6.07	4.65	3.55	3.12	– –
7513 TI	8	VSSOP	1	10	D-A Converter, Serial, 12-BIT Low Cost	DAC7513E/250G4	SMD 120-6853	6.60	5.05	3.86	3.39	– –
7513 TI	8	SOT-23	1	10	12-Bit, Low-Power, Rail-to-Rail Output, Serial Input DAC	DAC7513N/250G4	SMD 932-4160	6.38	4.88	3.73	3.28	– –
7537 ADI	24	DIL	1	1.5	2-Channel, C, D/B, L, M, MC, P	AD7537JNZ	107-9370	35.46	29.55	23.64	– –	– –
7541 TI	18	PDIP	1	1	D-A Converter,12 Bits,P	DAC7541AJP	121-2269	22.95	19.72	17.01	15.30	– –
7541 TI	18	PDIP	1	1	D-A Converter,12 Bits,P	DAC7541AJP..	840-8548	22.86	19.64	16.94	15.24	– –
7542 MAX	16	DIL	0.5	0.375	C, D/B, L, M, MC	MX7542KN+	118-7980	32.85	24.45	17.77	– –	– –
7542 ADI	16	DIL	1	2	C, D/B, L, M, MC	AD7542JNZ	960-4537	38.04	33.78	25.32	– –	– –
7542 ADI	16	DIL	0.5	2	C, D/B, L, M, MC	AD7542KNZ	960-4545	41.94	37.32	27.99	– –	– –
7543 MAX	16	DIL	1	1	C, D/B, L, M, MC, S	MX7543JN+	118-7981	29.67	22.08	16.05	– –	– –
7545 ADI	20	DIL	1	1	C, L, M, MC, P	PM7545FPZ	107-9371	17.07	13.65	11.37	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
12-Bit D/A												
7545 ADI	20	DIL	0.5	1	C, L, M, MC, P	AD7545AKNZ	960-4553	20.97	16.74	13.95	– –	– –
7545 ADI	20	DIL	1	2	C, L, M, MC, P	AD7545KNZ	960-4561	31.89	26.07	19.32	– –	– –
7547 ADI	24	DIL	1	1.5	2-Channel, C, D/B, L, M, MC, P	AD7547JNZ	960-4570	44.28	36.24	26.82	– –	– –
7548 ADI	20	DIL	1	1.5	C, MC, R	AD7548JNZ	107-9422	26.84	22.37	17.89	– –	– –
7549 ADI	20	DIL	1	1.5	2-Channel, C, D/B, L, M, MC, P	AD7549JNZ	107-9373	46.99	39.16	31.33	– –	– –
7571 TI	6	SOP	1	10	12 Bit D-A Converter w/I2C Interface	DAC7571IDBVTG4	SMD 120-6854	6.82	5.22	3.98	3.50	– –
7574 TI	10	VSSOP	1	10	12 Bit Quad D-A Converter with I2C Interface	DAC7574IDGSG4	SMD 120-6855	20.08	17.25	14.88	13.38	– –
7611 BB	8	DIL	0.5	7	C, L, MC, R, R2R, S	DAC7611P.	112-653‡	11.67	8.93	7.40	6.60	– –
7611 BB	8	SOIC	0.5	7	C, L, MC, R, R2R, S	DAC7611U.	SMD 112-665‡	10.64	8.15	6.22	5.47	– –
7611 BB	8	DIL	0.5	7	C, L, MC, R, R2R, S	DAC7611P	109-7418	11.46	8.77	7.26	6.48	– –
7611 BB	8	SOIC	0.5	7	C, L, MC, R, R2R, S	DAC7611U	SMD 109-7419	10.64	8.15	6.22	5.47	– –
7611 TI	8	SOIC	1	7	D-A Converter, 12-Bit Serial I/P	DAC7611UB	SMD 121-2270	11.14	8.53	7.06	6.30	– –
7612 BB	8	SOIC	0.5	7	2-Channel, L, R, R2R, V, Serial I/P	DAC7612U	SMD 109-7456	10.56	8.08	6.69	5.97	– –
7613 TI	24	SSOP	2	10	C, D/B, MC, R	DAC7613E	SMD 121-4349	9.77	7.48	6.20	5.52	– –
7613 BB	24	SSOP	2	10	C, D/B, MC, R	DAC7613E.	SMD 300-6256	9.85	7.54	6.25	5.57	– –
7614 TI	16	SOIC	1	10	D-A Converter Quad 12-BIT Serial INPUT	DAC7614U	SMD 121-2271	20.80	17.87	15.41	13.86	– –
7614 TI	16	SOIC	1	10	D-A Converter Quad 12-BIT Serial INPUT	DAC7614U..	SMD 840-8610	22.82	19.99	17.24	15.51	– –
7615 BB	16	DIL	2	10	4-Channel, D/B, L, MC, V, Serial I/P	DAC7615P.	332-3651‡	29.93	25.99	23.69	22.21	– –
7621 BB	20	SSOP	1	7	C, D/B, L, MC, R, R2R	DAC7621E	SMD 109-7446	10.75	8.23	6.82	6.08	– –
7624 BB	28	DIL	2	5	4-Channel, D/B + Readback, MC, P, V	DAC7624P	109-7459	32.90	28.57	26.04	24.41	– –
7624 TI	28	SOIC	1	10	D-A Converter, 12-BIT, 4-Channel, Parallel, 28Ld	DAC7624U	SMD 121-2272	31.80	26.58	23.12	21.19	– –
7624 TI	28	SOIC	1	10	D-A Converter, 12-BIT, 4-Channel, Parallel, 28Ld	DAC7624U..	SMD 840-8653	32.04	27.82	25.35	23.77	– –
7625 TI	28	SOIC	1	10	D-A Converter, 12-BIT, GP Parallel, 28Ld	DAC7625U	SMD 121-2273	31.80	26.58	23.12	21.19	– –
7625 TI	28	DIL	2	5	4-Channel, D/B + Readback, MC, P, V	DAC7625P	121-4358	32.90	28.57	26.04	24.41	– –
7625 BB	28	DIL	2	5	4-Channel, D/B + Readback, MC, P, V	DAC7625P.	332-3675	33.31	28.93	26.36	24.72	– –
7625 TI	28	SOIC	1	10	D-A Converter, 12-BIT, GP Parallel, 28Ld	DAC7625U..	SMD 840-8661	32.08	27.93	25.45	23.86	– –
7724 TI	28	PLCC	1	10	D-A Converter, Quad/Parallel 12-BIT +/-10V	DAC7724N	SMD 121-2275	34.69	30.13	27.45	25.74	– –
7724 TI	28	PLCC	1	10	D-A Converter, Quad/Parallel 12-BIT +/-10V	DAC7724N..	SMD 840-8700	29.41	25.54	23.27	21.82	– –
7725 TI	28	SOIC	1	10	D-A Converter, Quad Parallel 12-BIT +/-10V	DAC7725UB	SMD 121-2276	36.51	31.71	28.89	27.09	– –
7725 TI	28	SOIC	1	10	D-A Converter, Quad Parallel 12-BIT +/-10V	DAC7725UB.	SMD 840-8718	35.25	30.62	27.90	26.16	– –
7800 TI	16	SOIC	1	0.8	12-BIT Dual D-A Converter	DAC7800LU	SMD 121-2281	57.39	49.84	45.41	42.58	– –
7800 TI	16	SOIC	1	0.8	12-BIT Dual D-A Converter	DAC7800LU.	SMD 840-8769	59.49	53.00	49.22	46.15	– –
7845 ADI	24	DIL	1	1	C, L, M, MC, P, V	AD7845JNZ	960-4588	21.69	17.76	13.17	– –	– –
7943 ADI	16	DIL	0.5	0.6	M	AD7943BNZ	107-9421	12.38	10.32	8.26	– –	– –
7945 ADI	20	DIL	0.5	0.6	M, R	AD7945BNZ	107-9425	12.38	10.32	8.26	– –	– –
7948 ADI	20	DIL	0.5	0.6	M, R	AD7948BNZ	107-9427	12.38	10.32	8.26	– –	– –
8043 ADI	8	DIL	1	1	C, D/B, L, M, MC	DAC8043FPZ	960-4596	24.84	19.86	16.56	– –	– –
8222 ADI	24	DIL	1	1	2-Channel, C, D/B, M	DAC8222FPZ	107-9408	49.80	41.50	33.20	– –	– –
8248 ADI	24	DIL	1	1	2-Channel, C, D/B, MC	DAC8248FPZ	114-3214	47.34	39.63	30.21	– –	– –
8412 ADI	28	DIL	1	6	4-Channel, C, D/B, R	DAC8412FPZ	107-9431	74.67	62.23	49.78	– –	– –
8420 ADI	16	SOIC	1	8	4-Channel, C, V, Serial I/P	DAC8420ESZ	SMD 942-5810	93.18	74.55	62.13	– –	– –
9752 ADI	28	SOIC	2	0.035	C, L, R	AD9752ARZ	SMD 960-3883	17.55	15.06	12.54	– –	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

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Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
14-Bit D/A												
904 TI	28	SOIC	2.5	0.03	D-A Converter, 14-BIT 165MSPS	DAC904UG4	SMD 120-6885	22.79	19.58	16.89	15.19	– –
904 TI	28	TSSOP	2.5	0.03–	C, MC, P, R	DAC904EG4	SMD 121-4430	22.79	19.58	16.89	15.19	– –
904 TI	28	TSSOP	2.5	0.03	C, MC, P, R	DAC904E	SMD 501-1826	22.79	19.58	16.89	15.19	– –
5378 ADI	108	CSPBGA	3	20–	32-Channel, D/B, P, V, Bipolar	AD5378ABCZ	SMD 107-8371	133.20	106.56	88.80	– –	– –
5379 ADI	108	CSPBGA	3	20	40-Channel, D/B, P, V, Bipolar	AD5379ABCZ	SMD 107-8370	187.41	149.91	124.95	– –	– –
5380 ADI	100	LQFP	4	8–	40-Channel, D/B, R, R2R, V	AD5380BSTZ-3	SMD 107-8368	155.25	124.20	103.53	– –	– –
5380 ADI	100	LQFP	4	8	40-Channel, D/B, R, R2R, V	AD5380BSTZ-5	SMD 107-8369	155.25	124.20	103.53	– –	– –
5382 ADI	100	LQFP	4	8–	32-Channel, D/B, R, R2R, V	AD5382BSTZ-3	SMD 107-8363	133.32	106.65	88.86	– –	– –
5382 ADI	100	LQFP	4	8	32-Channel, D/B, R, R2R, V	AD5382BSTZ-5	SMD 107-8364	133.32	106.65	88.86	– –	– –
5390 ADI	64	LFCSP	3	8–	16-Channel, D/B, R, R2R, V	AD5390BCPZ-5	SMD 107-8358	74.97	59.97	49.98	– –	– –
5390 ADI	52	LQFP	4	8	16-Channel, D/B, R, R2R, V	AD5390BSTZ-3	SMD 107-8359	74.97	59.97	49.98	– –	– –
5390 ADI	52	LQFP	3	8–	16-Channel, D/B, R, R2R, V	AD5390BSTZ-5	SMD 107-8360	74.97	59.97	49.98	– –	– –
5392 ADI	64	LFCSP	4	8	8-Channel, D/B, R, R2R, V	AD5392BCPZ-3	SMD 107-8352	46.74	37.38	31.17	– –	– –
5392 ADI	64	LFCSP	3	8–	8-Channel, D/B, R, R2R, V	AD5392BCPZ-5	SMD 107-8353	46.74	37.38	31.17	– –	– –
5551 ADI	8	SOIC	0.15	1–	D/B, MC, S, V	AD5551BRZ	SMD 960-4219	21.42	17.94	13.68	– –	– –
5553 ADI	8	MSOP	1	0.5–	Serial Input, Current Output	AD5553CRMZ	SMD 839-7155	20.04	16.77	12.78	– –	– –
5555 ADI	16	TSSOP	1	0.5–	Serial Input, Dual Current Output	AD5555CRU	SMD 839-7163▲	26.19	21.90	16.71	– –	– –
7534 ADI	20	DIL	2	1.5	C, D/B, L, M, MC, P	AD7534JNZ	107-9374	46.99	39.16	31.33	– –	– –
7538 ADI	24	DIL	2	1.5	C, D/B, L, M, MC, P	AD7538JNZ	107-9375	32.07	26.25	19.41	– –	– –
9754 ADI	28	SOIC	0.5	0.035	C, L, R	AD9754ARZ	SMD 114-3191	21.81	18.87	15.57	– –	– –
9764 ADI	28	SOIC	1.5	0.035	C, R	AD9764ARZ	SMD 942-5640	22.98	19.71	16.44	– –	– –
16-Bit D/A												
16 ADI	24	DIL	2	0.5	C, R	DAC16FPZ	114-3226	80.60	67.16	53.73	– –	– –
420 ADI	24	SOIC	–	3	MC, S, V, Serial I/P, Sigma Delta	AD420ARZ-32	SMD 107-9391	33.71	28.09	22.47	– –	– –
420 ADI	24	DIL	–	3	L, MC, R	AD420ANZ-32	960-5533	35.28	29.49	22.50	– –	– –
542 MAX	14	SOIC	4	1	C, MC, V	MAX542CCSD	SMD 355-7595▲‡	56.84	44.23	31.54	– –	– –
542 MAX	14	SOIC	4	1	C, V	MAX542CCSD+	SMD 972-5091	56.84	44.23	31.54	– –	– –
669 ADI	28	DIL	1	2.5	C, D/B, L, MC, R, V	AD669BNZ	960-3557	73.59	61.56	46.92	– –	– –
669 ADI	28	DIL	2	2.5	C, D/B, L, MC, R, V	AD669ANZ	960-5541	49.05	41.04	31.29	– –	– –
712 BB	28	DIL	4	4	C, D/B, L, R, V	DAC712P.	632-818‡	42.64	37.03	33.74	31.64	– –
712 BB	28	SOIC	4	4	C, D/B, L, R, V	DAC712U	SMD 109-7510	42.52	36.93	33.65	31.55	– –
712 TI	28	DIL	4	4	C, D/B, L, R, V	DAC712PG4	117-8435	42.64	37.03	33.74	31.64	– –
714 BB	16	DIL	4	4	C, L, R, V	DAC714P.	632-820‡	48.97	42.53	38.75	36.34	– –
714 BB	16	DIL	4	4	C, L, R, V	DAC714P	109-7557	48.97	42.53	38.75	36.34	– –
714 TI		SOIC	1	10		DAC714U	SMD 121-4385	42.52	36.93	33.65	31.55	– –
716 BB	16	DIL	2	4	C, R, V	DAC716P	109-7417	53.72	46.65	42.51	39.86	– –
766 ADI	16	DIL		1.5	L, MC, R, S, V (DSP I/F)	AD766JNZ	960-5223	38.58	32.28	24.60	– –	– –
768 ADI	20	SOIC	4	0.025	C, L	AD768ARZ	SMD 942-6442	75.20	62.67	50.13	– –	– –
2702 TI	28	SSOP			16-BIT D-A Converter WITH USB	PCM2702EG4	SMD 120-7085	18.94	16.27	14.03	12.62	– –
5063 ADI	10	MSOP	1	4	V, Nano	AD5063BRMZ	SMD 107-8400	45.96	29.25	25.47	– –	– –
5543 ADI	8	MSOP	2	0.5	MC, Serial Input, Current Output	AD5543BRM	SMD 839-7112▲	30.66	25.65	19.56	– –	– –
5546 ADI	28	TSSOP	2	0.5	M, Serial Input, Current Output	AD5546BRUZ	SMD 114-3252	55.68	35.58	30.93	– –	– –
5547 ADI	38	TSSOP	2	0.5	2-Channel, 2MSPS, M, P	AD5547BRUZ	SMD 107-8348	51.69	33.03	28.71	– –	– –
5570 ADI	16	SSOP	2	10	V, Serial I/P	AD5570WRSZ	SMD 114-3253	56.20	46.83	37.47	– –	– –
5686 TI	100	HTQFP	9	0.012	D-A Converter, 16 Bit 500 MSPS Dual	DAC5686IPZPG4	SMD 120-6848	55.40	50.30	45.83	42.98	– –
7632 TI	32	LQFP	2	10	2-Channel, C, D/B, R, R2R, S, V	DAC7632VFT	SMD 121-4429	30.64	26.61	24.25	22.74	– –
7634 TI	48	SSOP	4	10	4-Channel, D/B, MC, V, Serial I/P	DAC7634E	SMD 121-4359	55.96	50.80	46.29	43.41	– –
7634 BB	48	SSOP	4	10	4-Channel, D/B, MC, V, Serial I/P	DAC7634E.	SMD 332-3687	53.88	46.79	42.64	39.98	– –
7644 TI	48	SSOP	4	10	4-Channel, D/B + Readback, MC, V, Serial I/P	DAC7644EG4	SMD 121-4360	55.96	50.80	46.29	43.41	– –
7644 BB	48	SSOP	4	10	4-Channel, D/B + Readback, MC, V, Serial I/P	DAC7644E	SMD 332-3699	55.96	50.80	46.29	43.41	– –
7715 TI	16	SOIC	1	10	D-A Converter, 12-BIT Quad	DAC7715UB	SMD 121-2274	36.95	32.09	29.24	27.42	– –

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftr.	Pins	Pkg	Linearity Error ± LSB	Conversion Time ± ½ LSB, µs	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
16-Bit D/A												
7715 TI	16	SOIC	1	10	D-A Converter, 12-BIT Quad	DAC7715UB.	SMD 840-8696	33.06	28.71	26.16	24.53	– –
7731 TI	24	SSOP	3	5	C, D/B, MC, R, R2R, V	DAC7731EC.	SMD 501-1772	31.33	27.21	24.79	23.25	– –
7734 TI	48	SSOP	3	10	D-A Converter, Quad/Serial 16-BIT, +10V	DAC7734E	SMD 121-2277●	88.22	78.59	72.98	68.44	– –
7734 TI	48	SSOP	1	10	D-A Converter, Quad Serial 16-BIT, +10V	DAC7734EC	SMD 121-2279●	110.78	101.46	94.21	88.35	– –
7734 TI	48	SSOP	3	10–	D-A Converter, Quad/Serial 16-BIT, +10V	DAC7734E..	SMD 840-8734	86.94	77.45	71.92	67.44	– –
7734 TI	48	SSOP	1	10–	D-A Converter, Quad Serial 16-BIT, +10V	DAC7734EC..	SMD 840-8742	101.88	90.77	84.28	79.03	– –
7744 TI	48	SSOP	4	10	4-Channel, D/B + Readback, MC, V, Serial I/P	DAC7744EG4	SMD 121-4361●	88.22	78.59	72.98	68.44	– –
7744 TI	48	SSOP	3	10	4-Channel, D/B + Readback, MC, V, Serial I/P	DAC7744ECG4	SMD 121-4418●	110.78	101.46	94.21	88.35	– –
7744 BB	48	SSOP	4	10	4-Channel, D/B + Readback, MC, V, Serial I/P	DAC7744E	SMD 332-3705	88.22	78.59	72.98	68.44	– –
7744 TI	48	SSOP	3	10	4-Channel, D/B + Readback, MC, V, Serial I/P	DAC7744EC	SMD 480-8848	142.54	118.77	113.55	– –	– –
8501 TI	8	MSOP	1		16-Bit, Low-Power, Rail-to-Rail Output, Serial Input DAC	DAC8501E/250G4	SMD 932-4178●	11.73	8.98	7.44	6.63	– –
8531 TI	8	VSSOP	1	10	D-A Converter, 16-BIT Serial, Low Cost.	DAC8531E/250G4	SMD 120-6856●	11.14	8.53	7.06	6.30	– –
8532 TI	8	MSOP	1	10	2-Channel, R2R, Serial I/P.	DAC8532IDGK	SMD 110-0950●	17.47	15.01	12.94	11.64	– –
8532 TI	8	TSSOP	1	10	2-Channel, R2R, Serial I/P.	DAC8532IDGKG4	SMD 932-4186●	17.47	15.01	12.94	11.64	– –
8534 TI	16	TSSOP	1	10	4-Channel, R2R, Serial I/P.	DAC8534IPWG4	SMD 932-4194●	28.57	23.87	21.17	19.04	– –
8541 TI	32	TQFP	1	10	16-BIT Parallel Low Cost D-A Converter	DAC8541Y	SMD 121-2282●	10.55	8.79	7.03	– –	– –
8541 TI	32	TQFP	1	10–	16-BIT Parallel Low Cost D-A Converter	DAC8541Y.	SMD 840-8807	10.49	8.03	6.65	5.93	– –
8571 TI	8	VSSOP	1	10–	16-BIT D-A Converter I2C Interface	DAC8571IDGKG4	SMD 120-6883●	11.53	8.83	7.31	6.52	– –
8574 TI	16	TSSOP	1	10	16-BIT D-A Converter W/ I2C	DAC8574IPWG4	SMD 120-6884●	30.06	26.10	23.79	22.30	– –
9786 ADI	80	TQFP	0.6	–	200MSPS, C, L, MC, S	AD9786BSVZ	SMD 107-8237●	87.69	75.18	62.67	– –	– –
20-Bit D/A												
1220 BB	16	SSOP	1	2000	C, S, V	DAC1220E	SMD 109-7447●	21.71	18.65	16.09	14.47	– –
24-Bit D/A												
1802 TI	20	SSOP	–		24-BIT D-A Converter, SIGMA DELTA	PCM1802DBG4	SMD 120-7083●	13.10	10.02	8.30	7.40	– –
1804 TI	28	SSOP	–		24-BIT D-A Converter, SIGMA DELTA	PCM1804DBG4	SMD 120-7084●	16.98	14.59	12.58	11.32	– –

Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

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Mftr.	Pins	Pkg	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Audio-Video ADC/DAC										
56 BB	16	DIL	16-bit DAC for digital Audio, -94dB THD, 96dB dynamic range, 0.001% linearity error, 1.5MS setting time, 850mW max power dissipation	PCM56P.	397-714‡	21.01	18.05	15.57	14.00	– –
56 BB	16	DIL	16-bit DAC for digital Audio, -94dB THD, 96dB dynamic range, 0.001% linearity error, 1.5MS setting time, 850mW max power dissipation	PCM56P	109-7515	20.41	17.53	15.12	13.60	– –
111 TI	32	QFN	Low Power Voice Band Audio Codec	AIC111RHBG4	SMD 120-6880●	16.23	12.42	10.29	9.17	– –
1702 TI	16	DIL	20-bit BiCMOS DAC, -94dB THD+N, 0.5% gain error, 120dB SNR, 200ns settling time, 16 x oversampling, 250mW max power dissipation	PCM1702PG4	120-2023●	36.36	31.58	28.77	26.98	– –
1710 BB	28	SOIC	16 or 20-bit input data stereo DAC with digital interpolation filter and analogue voltage output, -92dB THD+N, 98dB dynamic range and 110dB SNR	PCM1710U.	SMD 642-149	17.52	15.56	13.42	12.07	– –
1710 TI	28	SOIC	16 or 20-bit input data stereo DAC with digital interpolation filter and analogue voltage output, -92dB THD+N, 98dB dynamic range and 110dB SNR	PCM1710U	SMD 121-2857●	16.42	12.57	10.41	9.28	– –
1716 BB	28	SSOP	24-bit Sigma Delta DAC with 16kHz -96kHz sampling frequency, -96dB THD+N, 106dB SNR, 8 x oversampling, 106dB Dynamic Range. 400mW power dissipation. (SSOP)	PCM1716E	SMD 110-1544●	10.56	8.08	6.17	5.43	– –
1716 BB	28	SSOP	24-bit Sigma Delta DAC with 16kHz -96kHz sampling frequency, -96dB THD+N, 106dB SNR, 8 x oversampling, 106dB Dynamic Range. 400mW power dissipation. (SSOP)	PCM1716E.	SMD 353-5344	9.53	7.29	6.04	5.39	– –
1744 TI	14	SOIC	24-bit complete stereo DAC with 95dB Dynamic range, multi sampling frequency up to 96kHz,8 x oversampling, 256fs or 384fs system clock.	PCM1744U	SMD 121-4384●	5.94	4.54	3.47	3.05	– –
1744 BB	14	SOIC	24-bit complete stereo DAC with 95dB Dynamic range, multi sampling frequency up to 96kHz,8 x oversampling, 256fs or 384fs system clock.	PCM1744U.	SMD 353-5368	6.26	4.79	3.66	3.22	– –
1753 TI	16	SSOP	24-BIT AUDIO D-A Converter	PCM1753DBQ	SMD 843-4476●	4.62	3.53	2.70	2.37	– –
1754 TI	16	SSOP	24-BIT AUDIO D-A Converter	PCM1754DBQ	SMD 843-4484●	4.62	3.53	2.70	2.37	– –
1755 TI	16	SSOP	24-BIT AUDIO D-A Converter	PCM1755DBQ	SMD 843-4492●	4.62	3.53	2.70	2.37	– –
1770 TI	16	TSSOP	24-BIT AUDIO D-A Converter	PCM1770PW	SMD 843-4506●	6.60	5.05	3.86	3.39	– –
1792 TI	28	SSOP	24-BIT AUDIO D-A Converter, Advanced Segment	PCM1792DB	SMD 120-7081●	40.03	34.76	31.67	29.70	– –
1794 TI	28	SSOP	24-BIT AUDIO D-A Converter	PCM1794DB	SMD 120-7082●	40.03	34.76	31.67	29.70	– –
1835 ADI	52	MQFP	2 ADC, 8 DAC, 96 kHz, 24-Bit Codecs	AD1835AASZ	SMD 839-6540●	27.22	22.68	18.14	– –	– –
1837 ADI	52	MQFP	2 ADC, 8 DAC, 96 kHz, 24-Bit Codecs	AD1837AASZ	SMD 839-6566●	27.18	22.74	17.34	– –	– –
1851 ADI	16	DIL	16-bit PCM Audio DAC with serial to parallel register and voltage reference. 0.008% THD, 0.001% linearity error,110dB SNR, 1.5Ms settling time, 2x/4x/8x/16x oversampling, 100mW typ power dissipation	AD1851NZ	114-3215●	18.63	15.52	12.42	– –	– –
1856 ADI	16	DIL	16-bit PCM Audio DAC with serial to parallel register and voltage reference. 0.008% THD, 0.001% linearity error,96dB SNR, 1.5Ms settling time, 2x/4x/8x oversampling, 150mW typ power dissipation	AD1856NZ	114-3203●	34.93	29.11	23.28	– –	– –
1866 ADI	16	DIL	16-bit dual Audio DAC with serial input-voltage output. 0.005% THD+N, 3dB gain linearity error, 95dB SNR, 115dB channel seperation, 8x oversampling, 65mW max.power dissipation.	AD1866NZ	114-3216●	30.80	25.67	20.53	– –	– –
2704 TI	28	SSOP	D-A Converter, Audio with USB	PCM2704DB	SMD 843-4662●	11.53	8.83	7.31	6.52	– –
2705 TI	28	SSOP	D-A Converter, Audio with USB	PCM2705DB	SMD 843-4670●	11.53	8.83	7.31	6.52	– –
4202 TI	28	SSOP	216kHz, Stereo-Audio, Delta-Sigma	PCM4202DBR	SMD 996-9063●	19.35	14.81	12.16	10.94	– –
4204 TI	64	HTQFP	216kHz, 4-Channel Audio, Delta-Sigma	PCM4204PAPT	SMD 996-9098●	25.96	21.69	19.23	17.30	– –
9888 NSC	128	TQFP	MSPS Video Analog Front End	ADCS9888CVH-140	SMD 818-1438●	25.36	21.94	20.45	– –	– –
9888 NSC	64	TQFP	MSPS Video Analog Front End	ADCS9888CVH-170	SMD 818-1446●	33.88	29.32	26.81	– –	– –
9888 NSC	128	PQFP	MSPS Video Analog Front End	ADCS9888CVH-205	SMD 818-1454●	44.11	38.31	34.91	– –	– –
73311 ADI	20	SOIC	General purpose analogue front end processor with 16-bit A/D and 16-bit D/A channels, each with 70dB SNR over voice band signal bandwidth. Supports speech synthesis, enhancement and DSP	AD73311ARZ	SMD 107-9320●	12.17	10.14	8.11	– –	– –
Data Acquisition Systems										
197 MAX	28	SOIC	Multi-range 5V 12-bit DAS with 8 + 4 bus interface.	MAX197ACWI+	SMD 118-7984●	81.22	64.62	44.60	– –	– –
1290 LT	20	DIL	8-Channel, MC, S, S/A, S/H.	LTC1290CCN	638-341▲	63.83	41.35	32.84	– –	– –
1290 LT	20	DIL	Plastic (N) package version of the LTC1290CCJ	LTC1290CCN#PBF	956-1021●	63.83	41.35	32.84	– –	– –
7569 ADI	24	DIL	8-bit Analog I/O System. Includes ADC, Sample/Hold Amp, Voltage Ref,DAC, O/P Amp	AD7569JNZ	107-9376●	21.33	17.77	14.22	– –	– –
7581 ADI	28	DIL	8-bit/8 channel Data Acquisition System (±14 LSB). Includes on-chip 8 x 8 dual port RAM	AD7581JNZ	107-9377●	39.54	29.67	24.69	– –	– –
7710 ADI	24	DIL	21-bit Sigma-Delta Signal Conditioning ADC. Strain gauge or transducer input, serial output, on-board Programmable Gain Amp, Voltage Ref	AD7710ANZ	960-5215●	46.53	39.87	33.24	– –	– –
7890 ADI	24	SOIC	12-bit/8 channel Serial Data Acquistion System. Includes ADC, 8 channel multiplexer, 2.5V reference, Track/Hold Amp	AD7890ARZ-10	SMD 960-5568●	29.88	25.59	21.33	– –	– –
Special Function										
2 ADI	40	DIL	Variable Resolution, Monolithic Tracking Resolver-to-Digital Converter.Programmable 10, 12, 14 or 16 bit resolution.	AD2S80AJD	318-2071▲	289.99	241.68	208.65	– –	– –
320 TI	48	TQFP	16-bit Oversampling Sigma-Delta A/D D/A CODEC, 22KSPS, interfaces to TMS320xx series DSP Processors, 3.0 to 5.5V operation (TQFP)	TLV320AIC10CPFBG4	SMD 121-4394●	10.56	8.08	6.17	5.43	– –
320 TI	48	TQFP	16-bit Oversampling Sigma-Delta A/D D/A CODEC, 22KSPS, interfaces to TMS320xx series DSP Processors, 3.0 to 5.5V operation (TQFP)	TLV320AIC10CPFB	SMD 355-5938	10.56	8.08	6.17	5.43	– –
500 TS	16	DIL	Integrating Converter Analogue Processor. Resolution and conversion speed controllable through software	TC500ACPE	976-2663●	8.85	6.41	5.80	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1250	TI	16	SOIC	A-D Converter, 20-BIT 25khz Low Power	ADS1250UG4	SMD 120-6863	22.69	19.49	16.81	15.12	– –
7730	ADI	24	SOIC	Bridge Transducer ADC for low level signal inputs from a transducer to a serial output digital word.	AD7730LBRZ	SMD 107-9295	25.45	21.21	16.97	– –	– –
7730	ADI	24	DIL	Bridge Transducer ADC for low level signal inputs from a transducer to a serial output digital word.	AD7730BNZ	960-5487	30.63	24.72	20.61	– –	– –
7731	ADI	24	DIL	24-bit Delta-Sigma ADC with programmable gain front end for low levelsignals from a transducer, suitable for process control	AD7731BNZ	107-9298	30.91	25.75	20.60	– –	– –
7870	TI	28	SSOP	12-BIT DATA ACQUISITION SYSTEM	ADS7870EAG4	SMD 120-6875	16.23	12.42	10.29	9.17	– –
7871	TI	28	SSOP	14-BIT 48KSPS DAS with A-D Converter	ADS7871IDBG4	SMD 120-6876	16.32	14.02	12.10	10.88	– –

Cirrus A/D and D/A Converters

CIRRUS LOGIC

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Key to Features: C = CMOS, D/B = Double-Buffered, L = Latches, M = Multiplying, MC = Microprocessor Compatible, MP = Micropower, P = Parallel O/P, R = Internal Reference, R2R = Rail-to-Rail output, S = Serial O/P, S/A = Successive Approximation, S/H = Sample and Hold, T = Temp. Sensor, T/H = Track and Hold, V = Voltage O/P

418932

	Pins	Pkg	Features	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
16-Bit A/D								
5101	28	PLCC	2-Channel, 100kSPS, MC, S, S/A, S/H	CS5101A-BL8Z	SMD 102-3402	169.94	141.63	124.11
5102	28	PLCC	2-Channel, 20kSPS, MC, S, S/A, S/H	CS5102A-BLZ	SMD 102-3403	137.88	114.90	100.67
5451	28	SSOP	6-Channel, MC, S, Delta Sigma	CS5451A-ISZ	SMD 102-3418	15.88	13.25	11.49
5509	16	SOIC	200kSPS, C, S, Delta Sigma	CS5509-ASZ	SMD 102-3423	26.46	22.04	19.34
5516	24	SOIC	Bridge Transducer A/D Converter	CS5516-ASZ	SMD 102-3424	52.89	44.07	39.71
5521	20	SSOP	2-Channel, Delta Sigma with PGIA	CS5521-ASZ	SMD 102-3426	17.25	14.39	12.00
5523	24	SSOP	4-Channel, Delta Sigma with PGIA	CS5523-ASZ	SMD 102-3428	17.87	14.88	12.46
5525	20	SSOP	Multi Range, Delta Sigma with 4-bit Latch	CS5525-ASZ	SMD 102-3430	16.63	13.87	11.81
5529	20	SSOP	Programmable, Delta Sigma with 6-bit Latch	CS5529-ASZ	SMD 102-3434	12.86	10.71	9.30
5531	20	SSOP	2-Channel, MC, S, Delta Sigma with Ultra-low-noise PGIA	CS5531-ASZ	SMD 102-3435	18.75	15.62	13.58
5533	24	SSOP	4-Channel, MC, S, Delta Sigma with Ultra-low-noise PGIA	CS5533-ASZ	SMD 102-3439	19.37	16.14	14.37
20-Bit A/D								
5508	24	SOIC	C, MC, S	CS5508-BSZ	SMD 102-3422	40.72	33.95	31.57
5520	24	SOIC	Bridge Transducer A/D Converter	CS5520-BSZ	SMD 102-3425	60.45	50.35	44.27
5526	20	SSOP	Multi-range, Delta Sigma with 4-bit Latch	CS5526-BSZ	SMD 102-3431	19.82	16.54	14.79
24-Bit A/D								
5345	48	LQFP	105 dB, 192 kHz Stereo Audio, Delta Sigma	CS5345-CQZ	SMD 102-3406	11.20	9.34	8.32
5364	48	LQFP	4-Channel, 114 dB, 192 kHz	CS5364-CQZ	SMD 102-3413	37.04	30.86	25.85
5366	48	LQFP	6-Channel, 114 dB, 192 kHz	CS5366-CQZ	SMD 102-3414	42.18	35.15	29.43
5368	48	LQFP	8-Channel, 114 dB, 192 kHz	CS5368-CQZ	SMD 102-3415	47.33	39.42	33.57
5522	20	SSOP	2-Channel, Delta Sigma with PGIA	CS5522-ASZ	SMD 102-3427	20.80	17.35	15.58
5524	24	SSOP	4-Channel, Delta Sigma with PGIA	CS5524-ASZ	SMD 102-3429	21.74	18.13	16.09
5528	24	SSOP	8-Channel, Delta Sigma with PGIA	CS5528-ASZ	SMD 102-3432	22.69	18.91	16.09
5532	20	SSOP	2-Channel, MC, S, Delta Sigma with Ultra-low-noise PGIA	CS5532-ASZ	SMD 102-3436	21.87	18.23	16.23
5532	20	SSOP	2-Channel, MC, S, Delta Sigma with Ultra-low-noise PGIA	CS5532-BSZ	SMD 102-3438	29.30	24.41	20.41
5534	24	SSOP	4-Channel, MC, S, Delta Sigma with Ultra-low-noise PGIA	CS5534-ASZ	SMD 102-3440	22.82	19.01	15.90
5534	24	SSOP	4-Channel, MC, S, Delta Sigma with Ultra-low-noise PGIA	CS5534-BSZ	SMD 102-3441	30.24	25.19	21.11
5540	16	SSOP	S, Delta Sigma	CS5540-ASZ	SMD 102-3442	13.25	11.03	8.40
5541	16	SSOP	S, Delta Sigma	CS5541-BSZ	SMD 102-3443	15.88	13.25	11.11
5550	24	SSOP	2-Channel, MC, S	CS5550-ISZ	SMD 102-3444	8.50	7.10	6.18
Multi-Bit A/D								
4461	24	TSSOP	Sigma Delta, Class-D Real-Time PSR Feedback	CS4461-CZZ	SMD 102-3399	7.58	6.31	5.67
5340	16	TSSOP	101 dB, 192 kHz, Multi-Bit Audio, S, Delta Sigma	CS5340-CZZ	SMD 102-3404	10.87	9.08	8.46
5341	16	TSSOP	105 dB, 192 kHz, Multi-Bit Audio, S, Delta Sigma	CS5341-CZZ	SMD 102-3405	12.56	10.48	9.67
5351	24	SOIC	108 dB, 192 kHz	CS5351-KSZ	SMD 102-3407	14.97	12.50	10.93
5351	24	TSSOP	108 dB, 192 kHz	CS5351-KZZ	SMD 102-3409	14.97	12.50	10.93
5361	24	SOIC	114 dB, 192 kHz	CS5361-KSZ	SMD 102-3411	18.00	15.01	13.30
5361	24	TSSOP	114 dB, 192 kHz	CS5361-KZZ	SMD 102-3412	18.00	15.01	13.49
5381	24	SOIC	120 dB, 192 kHz, Audio	CS5381-KSZ	SMD 102-3416	45.18	37.66	33.20
5381	24	TSSOP	120 dB, 192 kHz, Audio	CS5381-KZZ	SMD 102-3417	45.18	37.66	33.15
24-Bit D/A								
4334	8	SOIC	96 kHz, Delta Sigma, Stereo	CS4334-KSZ	SMD 102-3373	4.07	3.42	3.02
4335	8	SOIC	96 kHz, Delta Sigma, Stereo	CS4335-KSZ	SMD 102-3374	4.07	3.42	3.02
4338	8	SOIC	96 kHz, Delta Sigma, Stereo	CS4338-KSZ	SMD 102-3375	4.07	3.42	2.93
4340	16	TSSOP	101 dB, 96 kHz, Delta Sigma, Stereo	CS4340-CZZ	SMD 102-3376	5.92	4.95	4.56
4341	16	TSSOP	96 kHz, Delta Sigma, Stereo with Volume Control	CS4341-CZZ	SMD 102-3377	6.51	5.44	4.74
4344	10	TSSOP	192 kHz, Delta Sigma, Stereo	CS4344-CZZ	SMD 102-3379	4.69	3.91	3.26
4345	10	TSSOP	192 kHz, Delta Sigma, Stereo	CS4345-CZZ	SMD 102-3381	4.69	3.91	3.26
4346	10	TSSOP	192 kHz, Delta Sigma, Stereo	CS4346-CZZ	SMD 102-3382	4.69	3.91	3.39
4348	10	TSSOP	192 kHz, Delta Sigma, Stereo	CS4348-CZZ	SMD 102-3383	4.69	3.91	3.39
4351	20	TSSOP	192 kHz, Delta Sigma, Stereo with 2 Vrms Line Out	CS4351-CZZ	SMD 102-3384	9.05	7.55	6.56
4360	28	TSSOP	6-Channel, 102 dB, 192 kHz, Delta Sigma	CS4360-KZZ	SMD 102-3385	13.31	11.10	9.63
4361	20	TSSOP	6-Channel, 105 dB, 192 kHz, Delta Sigma	CS4361-CZZ	SMD 102-3386	13.31	11.10	10.00
4362	48	LQFP	6-Channel, 114 dB, 192 kHz, Delta Sigma	CS4362A-CQZ	SMD 102-3387	19.66	16.37	14.74
4364	48	LQFP	6-Channel, 103 dB, 192 kHz, Delta Sigma	CS4364-CQZ	SMD 102-3388	18.49	15.43	13.72
4365	48	LQFP	6-Channel, 114 dB, 192 kHz, Delta Sigma	CS4365-CQZ	SMD 102-3389	21.03	17.51	15.76
4382	48	LQFP	8-Channel, 114 dB, 192 kHz, Delta Sigma	CS4382A-CQZ	SMD 102-3390	25.68	21.42	18.74
4384	48	LQFP	8-Channel, 103 dB, 192 kHz, Sigma Delta	CS4384-CQZ	SMD 102-3392	20.54	17.12	15.25
4385	48	LQFP	8-Channel, 114 dB, 192 kHz, Delta Sigma	CS4385-CQZ	SMD 102-3393	27.05	22.56	20.32
4391	20	TSSOP	192 kHz, Delta Sigma, Stereo with Volume Control	CS4391A-KZZ	SMD 102-3394	9.05	7.55	6.65
4392	20	TSSOP	192 kHz, Delta Sigma, Stereo with Volume Control	CS4392-KZZ	SMD 102-3395	13.61	11.36	10.09
4397	28	SOIC	Multi-Standard Stereo, Delta Sigma	CS4397-KSZ	SMD 102-3396	21.91	20.46	– –
4398	28	TSSOP	120 dB, 192 kHz, Delta Sigma with Volume Control	CS4398-CZZ	SMD 102-3397	19.66	16.37	13.64
24-Bit Codec								
42406	48	LQFP	192 kHz, 2-In 6-Out, Audio Codec	CS42406-CQZ	SMD 102-3355	12.11	10.09	8.79
42416	64	LQFP	110 dB, 192 kHz, 6-Channel Codec with PLL	CS42416-CQZ	SMD 102-3356	15.88	13.25	11.58
42418	64	LQFP	110 dB, 192 kHz, 8-Channel Codec with PLL	CS42418-CQZ	SMD 102-3357	19.66	16.37	14.32
42426	64	LQFP	114 dB, 192 kHz, 6-Channel Codec with PLL	CS42426-CQZ	SMD 102-3358	23.53	19.63	17.07
42428	64	LQFP	114 dB, 192 kHz, 8-Channel Codec with PLL	CS42428-CQZ	SMD 102-3359	30.99	25.81	22.60
42438	52	MQFP	108 dB, 192 kHz, 6-in, 8-out TDM Codec	CS42438-CMZ	SMD 102-3360	23.57	19.66	17.07
42448	64	LQFP	108 dB, 192 kHz, 6-in, 8-out Codec	CS42448-CQZ	SMD 102-3361	23.89	19.92	17.34

RoHS ● Compliant ● Non-compliant ◀ ++ Limited stock - RoHS replacement available

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	Pins	Pkg	Features	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
4245	48	LQFP	105 dB, 192 kHz, Stereo Audio Codec	CS4245-CQZ	SMD 102-3362	11.88	9.90	8.79
42516	64	LQFP	110 dB, 192 kHz, 6-Channel Codec with S/PDIF Receiver	CS42516-CQZ	SMD 102-3363	18.91	15.75	13.76
42518	64	LQFP	110 dB, 192 kHz, 8-Channel Codec with S/PDIF Receiver	CS42518-CQZ	SMD 102-3364	22.69	18.91	16.51
42526	64	LQFP	114 dB, 192 kHz, 6-Channel Codec with S/PDIF Receiver	CS42526-CQZ	SMD 102-3365	26.56	22.13	19.25
42528	64	LQFP	114 dB, 192 kHz, 8-Channel Codec with S/PDIF Receiver	CS42528-CQZ	SMD 102-3367	34.01	28.35	24.78
4265	32	QFN	105 dB, 192 kHz, Stereo Audio Codec	CS4265-CNZ	SMD 102-3368	13.31	11.10	9.72
4270	24	TSSOP	192 kHz, Stereo Audio Codec	CS4270-CZZ	SMD 102-3369	9.57	7.97	7.11
4271	28	TSSOP	192 kHz, Stereo Audio Codec	CS4271-CZZ	SMD 102-3370	13.48	11.23	10.46
4272	28	TSSOP	192 kHz, Stereo Audio Codec	CS4272-CZZ	SMD 102-3371	16.50	13.74	12.23
42	32	QFN	Stereo Codec with Headphone Amp	CS42L51-CNZ	SMD 102-3372	11.95	9.96	8.97

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Operational Amplifiers

Single

414159

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3	INTS	8	DIL	100MHz Current Feedback Amp. (Enhanced EL2020)	HA3-5020-5	246-542	9.11	7.92	6.22	5.18	– –
3	INTS	8	DIL	Uncompensated, High Slew Rate, Operational Amp	HA3-2525-5Z	101-8160	12.51	10.88	8.54	7.12	– –
3	INTS	8	DIL	100MHz Current Feedback Amp. (Enhanced EL2020)	HA3-5020-5Z	121-6105	9.38	8.16	6.41	5.34	– –
7	ST	8	DIL	Precision Operational Amp. - Vos 150µV max. Drift 0.5µV/°C max.	OP07CN	109-4321	2.84	2.03	1.60	1.36	– –
7	TI	8	DIL	Precision Operational Amp. - Vos 150µV max. Drift 1.8µV/°C max.	OP07CP	110-6130	1.88	1.50	1.18	0.82	– –
07	TI	8	SOIC	Low-Offset Voltage Operational Amplifier	OP07CD	SMD 958-9929	1.88	1.50	1.18	0.82	– –
7	ADI	8	DIL	Precision Operational Amp. - Vos 150µV max. Drift 1.6µV/°C max.	OP07CPZ	960-4600	1.74	1.38	1.14	– –	– –
7	ADI	8	SOIC	Precision Operational Amp. - Vos 150µV max. Drift 1.6µV/°C max.	OP07CSZ	SMD 960-4618	1.74	1.38	1.14	– –	– –
7	ADI	8	DIL	Precision Operational Amp. - Vos 75µV max. Drift 1.3µV/°C max.	OP07EPZ	960-5452	4.80	3.84	3.21	– –	– –
10	NSC	8	DIL	Operational Amp. and Voltage Reference, supply 1.1V to 5V @270µA	LM10CLN	948-6704	5.29	3.84	2.88	– –	– –
10	NSC	8	DIL	Operational Amp. and Voltage Reference, supply 1.1V to 40V @270µA	LM10CN	948-6712	5.81	4.23	3.17	– –	– –
12	NSC	4	TO-3	Power Operational Amp., 150W	LM12CLK	121-6148	42.09	37.32	34.13	– –	– –
27	BB	8	DIL	Low Noise Precision Operational Amp	OPA27GP.	398-100‡	4.79	3.67	2.80	2.46	– –
27	BB	8	DIL	Low Noise Precision Operational Amp	OPA27GP	109-7516	4.79	3.67	2.80	2.46	– –
27	TI	8	SOIC	OP AMP, Low Noise	OPA27GUE4	SMD 120-7111	4.79	3.67	2.80	2.46	– –
27	TI	5	SOP	OP AMP, RAIL-RAIL, Single	TLV27L1IDBVT	SMD 845-5368	2.11	1.68	1.32	0.92	– –
27	ADI	8	SOIC	Low Noise Precision Operational Amp (i/p Vos max=100µV)	OP27GSZ	SMD 942-6124	2.94	2.79	2.43	– –	– –
27	ADI	8	DIL	Low Noise Precision Operational Amp (i/p Vos max 25µV)	OP27EPZ	960-3603	8.76	6.45	5.16	– –	– –
27	ADI	8	DIL	Low Noise Precision Operational Amp (i/p Vos max=100µV)	OP27GPZ	960-4626	2.94	2.79	2.43	– –	– –
37	TI	8	SOIC	OP AMP, Low Noise	OPA37GU	SMD 121-2300	5.01	3.84	2.93	2.58	– –
37	TI	8	SOIC	OP AMP, Low Noise	OPA37GU..	SMD 843-3674	4.94	3.78	2.89	2.54	– –
37	ADI	8	DIL	Low Noise, High Speed Precision Operational Amp	OP37GPZ	960-4642	3.12	2.40	2.01	– –	– –
37	ADI	8	SOIC	Low Noise, High Speed Precision Operational Amp	OP37GSZ	SMD 960-4650	2.97	2.28	1.89	– –	– –
70	ST	8	SOIC	Wideband, Rail-to-Rail Video Op Amp	TSH70CD	SMD 108-6949	2.70	2.21	1.86	1.63	– –
70	ST	5	SOT-23	Wide Band, Low Power Operational Amplifier With Standby Function	TSH70CLT	SMD 109-4967	3.26	2.44	2.08	1.95	– –
71	ST	8	SO-8	Wide Band, Low Power Operational Amplifier With Standby Function	TSH71CD	SMD 109-4969	2.70	2.02	1.73	1.63	– –
80	ST	8	SOIC	Wideband, Rail-to-Rail Op Amp	TSH80ID	SMD 108-6954	2.70	2.31	1.79	1.33	– –
80	ST	5	SOT23	Wide Band, Rail-to-Rail Operational Amplifierwith Standby Function	TSH80ILT	SMD 109-4975	2.31	1.73	1.50	1.40	– –
81	ST	8	SOIC	Wideband, Rail-to-Rail Op Amp with Standby	TSH81ID	SMD 108-6955	2.70	2.31	1.79	1.33	– –
81	ST	8	TSSOP	Wide Band, Rail-to-Rail Operational Amplifierwith Standby Function	TSH81IPT	SMD 109-4976	3.12	2.34	2.02	1.89	– –
90	ADI	8	SOIC	Precision Low Voltage Micropower Operational Amp	OP90GSZ	SMD 942-6132	5.04	4.05	3.36	– –	– –
90	ADI	8	DIL	Precision Low Voltage Micropower Operational Amp	OP90GPZ	960-4669	5.04	4.05	3.36	– –	– –
97	ADI	8	SOIC	Low Power OP07, High Precision Operational Amp	OP97FSZ	SMD 942-6310	3.24	2.58	2.22	– –	– –
97	ADI	8	DIL	Low Power OP07, High-Precision Operational Amp	OP97FPZ	960-4677	3.33	2.67	2.22	– –	– –
101	NSC	8	TO-5	Improved General Purpose Operational Amp (MIL TEMP)	LM101AH	121-6149	8.61	6.26	4.69	– –	– –
102	TI	14	SOIC	OP AMP, Isolation, Dual Data.	IVC102U	SMD 121-2427	17.79	13.61	11.17	10.06	– –
102	TI	14	SOIC	OP AMP, Isolation, Dual Data.	IVC102U..	SMD 846-7285	16.99	13.00	10.77	9.60	– –
103	TI	8	SOIC	OP AMP, Programmable Gain	PGA103U	SMD 843-4816	17.01	13.02	10.78	9.61	– –
110	ST	5	SOT-23	Low Noise, Large Bandwidth Op Amp	TSH110ILT	SMD 108-6934	2.90	2.41	2.02	1.53	– –
111	ST	8	SOIC	Low Noise, Large Bandwidth Op Amp with Standby	TSH111ID	SMD 108-6936	2.90	2.41	2.02	1.53	– –
111	ST	8	TSSOP	Wide Band, Low Noise Operational Amplifier	TSH111IPT	SMD 109-4960	2.90	2.41	2.02	1.53	– –
116	NSC	5	SOT-23	Low Voltage, 45MHz, Rail-to-Rail Output Op Amp with Shutdown Option	LMV116MF	SMD 818-7622	3.88	2.76	1.97	– –	– –
118	NSC	5	SOT-23	Low Voltage, 45MHz, Rail-to-Rail Output Op Amp with Shutdown Option	LMV118MF	SMD 818-7630	3.33	2.40	1.75	– –	– –
165	ST	5	Pentawatt	Power Operational Amp. 3A output	L165V	109-4203	5.94	4.54	3.76	3.36	– –
177	BB	8	DIL	Ultra-Precision Operational Amp	OPA177GP	109-7427	3.71	2.84	2.09	1.81	– –
177	TI	8	PDIP	OP AMP,Single Precision.	OPA177FP	121-2430	10.64	8.15	6.22	5.47	– –
177	TI	8	SOIC	OP AMP,Single Precision.	OPA177GS	SMD 121-2431	3.71	2.84	2.09	1.81	– –
177	TI	8	DIL	Ultra-Precision Operational Amp	OPA177GPG4	121-9410	3.71	2.84	2.09	1.81	– –
177	TI	8	PDIP	OP AMP,Single Precision.	OPA177FP..	846-7471	9.87	7.55	5.77	5.07	– –
177	TI	8	SOIC	OP AMP,Single Precision.	OPA177GS..	SMD 846-7480	3.73	2.85	2.10	1.82	– –
177	ADI	8	SOIC	Ultra-Precision Operational Amp	OP177GSZ	SMD 942-6370	2.28	1.80	1.50	– –	– –
177	ADI	8	DIL	Ultra-Precision Operational Amp	OP177FPZ	960-4057	7.35	5.76	4.74	– –	– –
177	ADI	8	DIL	Ultra-Precision Operational Amp	OP177GPZ	960-4685	2.40	2.28	1.50	– –	– –
201	NSC	8	TO-5	Improved General Purpose Operational Amp (IND TEMP)	LM201AH	121-6150	8.61	6.26	4.69	– –	– –
204	TI	16	SOIC	OP AMP, Programmable Gain	PGA204AUE4	SMD 120-7093	23.67	20.34	17.54	15.78	– –
204	TI	16	SOIC	OP AMP, Programmable Gain	PGA204BU	SMD 120-7094	29.62	25.72	23.44	21.98	– –
204	TI	16	PDIP	OP AMP, Programmable Gain	PGA204BP	121-2334	29.62	25.72	23.44	21.98	– –
204	TI	16	PDIP	OP AMP, Programmable Gain	PGA204BP..	843-4832	30.61	25.59	22.26	20.40	– –
205	TI	16	SOIC	OP AMP, Programmable Gain	PGA205AU	SMD 121-2335	23.67	20.34	17.54	15.78	– –
205	TI	16	SOIC	OP AMP, Programmable Gain	PGA205BU	SMD 121-2336	29.62	25.72	23.44	21.98	– –
205	TI	16	SOIC	OP AMP, Programmable Gain	PGA205AU..	SMD 843-4859	22.34	19.19	16.55	14.89	– –
205	TI	16	SOIC	OP AMP, Programmable Gain	PGA205BU..	SMD 843-4875	29.41	25.54	23.27	21.82	– –
206	TI	16	SOIC	OP AMP, Programmable Gain	PGA206UA	SMD 121-2337	31.67	27.50	25.06	23.50	– –
207	TI	16	SOIC	OP AMP, Programmable Gain	PGA207UA	SMD 121-2338	34.75	30.18	27.50	25.79	– –
207	TI	16	SOIC	OP AMP, Programmable Gain	PGA207UA..	SMD 843-4891	34.96	30.36	27.67	25.94	– –
227	BB	8	DIL	High Precision Amplifier, Wide Bandwidth 8MHz (IND TEMP)	OPA227PA	109-7470	4.62	3.53	2.70	2.37	– –
227	TI	8	SOIC	OP AMP PRECISION Low Noise	OPA227U	SMD 121-2440	9.81	7.51	5.73	5.04	– –
227	TI	8	SOIC	OP AMP PRECISION Low Noise	OPA227UA	SMD 121-2441	4.62	3.53	2.70	2.37	– –
227	TI	8	DIL	High Precision Amplifier, Wide Bandwidth 8MHz (IND TEMP)	OPA227PAG4	121-9412	4.62	3.53	2.70	2.37	– –
227	TI	8	SOIC	OP AMP PRECISION Low Noise	OPA227UA..	SMD 846-7676	4.66	3.56	2.72	2.39	– –
228	BB	8	DIL	High Precision Amplifier, 33MHz (IND TEMP)	OPA228PA	109-7471	4.62	3.53	2.70	2.37	– –
228	BB	8	DIL	High Precision Amplifier, 33MHz (IND TEMP)	OPA228PA.	332-3857‡	4.86	3.72	2.74	2.37	– –
234	TI	8	SOIC	OP AMP Single Supply	OPA234UE4	SMD 120-7099	6.29	4.81	3.68	3.23	– –
237	TI	5	SOP	OP AMP, Single-Supply	OPA237NA/250	SMD 120-7102	2.69	2.06	1.51	1.31	– –
241	BB	8	DIL	Micropower, Single Supply Operational Amp., optimized for powersupply voltages (+5V)	OPA241PA.	102-258‡	5.06	3.87	2.96	2.60	– –
241	BB	8	DIL	Micropower, Single Supply Operational Amp., optimized for powersupply voltages (+5V)	OPA241PA	109-7411	5.06	3.87	2.96	2.60	– –
241	BB	8	SOIC	Micropower, Single Supply (25µA, 5Volt) Amp. (IND TEMP)	OPA241UA.	SMD 332-3894‡	4.85	3.71	2.83	2.49	– –
244	BB	8	DIL	Micropower, Single Supply (40µA, 2.2V to 36V) Amp. (IND TEMP)	OPA244PA	109-7475	2.54	1.94	1.43	1.24	– –
244	BB	8	SOIC	Micropower, Single Supply (40uA, 2.2V to 36V) Amp. (IND TEMP)	OPA244UA	SMD 109-7506	2.54	1.94	1.43	1.24	– –
244	TI	5	SOP	OP AMP, Single-Supply	OPA244NA	SMD 121-2447	2.93	2.21	1.82	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
244	BB	8	DIL	Micropower, Single Supply (40µA, 2.2V to 36V) Amp. (IND TEMP)..	OPA244PA.	332-3900‡	2.79	2.22	1.74	1.21	– –
244	TI	5	SOP	OP AMP, Single-Supply	OPA244NA.	SMD 846-7927	2.46	1.88	1.39	1.20	– –
251	BB	8	DIL	Micropower, Single supply Operational Amp., optimized for highpower supply voltages (+15V).	OPA251PA.	102-260‡	4.60	3.52	2.69	2.36	– –
251	BB	8	DIL	Micropower, Single supply Operational Amp., optimized for highpower supply voltages (+15V).	OPA251PA	109-7412	5.06	3.87	2.96	2.60	– –
251	BB	8	SOIC	Micropower, Single Supply (25µA, 2.7V to 36V) Rail-to-Rail Amp.(IND TEMP)	OPA251UA.	SMD 332-3912‡	4.82	3.69	2.82	2.48	– –
271	TI	8	PDIP	OP AMP, Programmable Gain	TLC271ACP	845-4140●	1.88	1.35	1.01	0.68	– –
271	TI	8	SOIC	OP AMP, RAIL-RAIL Single Supply	TLV271ID	SMD 845-5244●	1.70	1.36	1.08	0.74	– –
271	TI	5	SOP	OP AMP, RAIL-RAIL Single Supply	TLV271IDBVT	SMD 845-5252●	1.70	1.36	1.08	0.74	– –
277	BB	8	SOIC	High Precision, Ultra Low Drift/Offset Voltage Amp. (IND TEMP)	OPA277UA	SMD 109-7478●	3.96	3.03	2.23	1.93	– –
277	TI	8	SOIC	OP AMP, High Precision	OPA277UG4	SMD 120-7110●	8.80	6.73	5.14	4.52	– –
277	BB	8	DIL	Ultra-Precision Operational Amp. (Enhanced OP177)	OPA277PA.	316-1456‡	3.96	3.03	2.23	1.93	– –
277	BB	8	SOIC	High Precision, Ultra Low Drift/Offset Voltage Amp. (IND TEMP)	OPA277UA.	SMD 332-3950‡	3.70	2.83	2.08	1.80	– –
291	ADI	8	SOIC	Micropower Single-Supply Rail-to-Rail Input/Output Op Amps	OP291GSZ	SMD 999-4360●	5.99	5.00	4.00	– –	– –
293	ADI	8	SOIC	Precision, Micropower Operational Amplifier	OP293FSZ	SMD 999-4394●	6.90	5.79	4.41	– –	– –
296	ADI	8	SOIC	Micropower, Rail-to-Rail Input and Output Operational Amplifiers	OP296GSZ	SMD 999-4408●	5.13	4.29	3.27	– –	– –
300	ST	8	SOIC	Ultra Low Noise, High Speed Op Amp	TSH300ID	SMD 108-6940●	5.50	4.13	3.55	3.32	– –
300	ST	5	SOT-23	Ultra Low-Noise High-Speed Operational Amplifier	TSH300ILT	SMD 109-4964●	5.50	4.13	3.55	3.32	– –
301	NSC	8	TO-5	Improved General Purpose Operational Amp	LM301AH	121-6151●	8.61	6.26	4.69	– –	– –
301	TI	5	SOP	OP AMP, Lo Noise.	OPA301AIDBVT	SMD 846-8150	5.50	4.21	3.21	2.83	– –
301	NSC	8	DIL	Improved Operational Amp	LM301AN	948-6720●	2.13	1.52	1.09	– –	– –
308	NSC	8	TO-5	Super Gain Operational Amp	LM308AH	121-5185●	10.06	7.32	5.48	– –	– –
308	NSC	8	TO-5	Super Gain Operational Amp	LM308H	121-6152●	10.06	7.32	5.48	– –	– –
310	ST	8	SOIC	Ultra Low Consumption, High Speed Op Amp	TSH310ID	SMD 108-6941●	5.01	4.13	3.55	3.32	– –
310	ST	5	SOT-23	Ultra Low Consumption, High Speed Op Amp	TSH310ILT	SMD 108-6942●	5.17	3.95	3.27	2.92	– –
318	NSC	8	TO-5	High Slew Rate Operational Amp	LM318H	121-6153●	10.49	7.63	5.72	– –	– –
318	TI	8	SOIC	Single High-Speed Operational Amplifier	LM318D	SMD 229-3456●	2.12	1.66	1.30	– –	– –
318	NSC	8	SOIC	High Slew Rate Operational Amp	LM318M	SMD 948-6739●	2.70	1.89	1.35	– –	– –
321	TI	5	SOT-23	Low Voltage Rail-to-Rail O/P Operational Amp.	LMV321IDBVR	SMD 110-5935●	1.52	1.22	0.97	0.66	– –
321	NSC	5	SOT-23	General-Purpose, Low Voltage, Rail-to-Rail Output OperationalAmp	LMV321M5	SMD 119-7385●	1.56	1.07	0.78	– –	– –
321	NSC	5	SOT-23	Low Power Operational Amp, operates in single or dual supply applications. (IND TEMP)	LM321MF.	SMD 412-5095‡	1.35	0.94	0.68	– –	– –
321	NSC	5	SOT-23	Low Power Operational Amp, operates in single or dual supply applications. (IND TEMP)	LM321MF	SMD 977-9116●	1.35	0.94	0.68	– –	– –
330	ST	8	SOIC	Low Nise, Very-Large Bandwidth Op Amp	TSH330ID	SMD 108-6943●	5.37	4.46	3.81	3.55	– –
334	TI	6	SOP	OP AMP Single Supply w/Shut Down.	OPA334AIDBVTG4	SMD 120-7113●	4.40	3.37	2.57	2.26	– –
335	TI	5	SOP	OP AMP, Single Supply	OPA335AIDBVTG4	SMD 120-7044●	4.40	3.37	2.57	2.26	– –
335	TI	8	SOIC	OP AMP, Single Supply	OPA335AID	SMD 121-2296●	4.40	3.37	2.57	2.26	– –
335	TI	8	SOIC	OP AMP, Single Supply	OPA335AID.	SMD 843-3356	4.71	3.64	2.68	2.31	– –
336	TI	5	SOP	OP AMP, Single Supply Low Power CMOS	OPA336N/250G4	SMD 120-7046●	4.64	3.55	2.62	2.26	– –
336	TI	5	SOP	OP AMP, Single Supply Low Power CMOS	OPA336NA	SMD 121-2297●	2.28	1.92	1.53	– –	– –
336	TI	5	SOP	OP AMP, Single Supply Low Power CMOS	OPA336NA.	SMD 843-3380	3.02	2.31	1.70	1.47	– –
340	BB	8	DIL	5MHz Single Supply Operational Amp	OPA340PA.	102-271‡	3.71	2.84	2.09	1.81	– –
340	ST	5	SOT-23	320MHz Single Supply Video Buffer with Low In/Out Rail	TSH340ILT	SMD 109-4965●	5.92	4.46	3.81	3.55	– –
340	BB	8	DIL	5MHz Single Supply Operational Amp	OPA340PA	109-7413●	3.71	2.84	2.09	1.81	– –
341	ST	8	SOIC	Video Op Amp, Low Input/Output Rail	TSH341ID	SMD 108-6945●	5.34	4.43	3.81	3.55	– –
341	ST	5	SOT-23	300MHz Single Supply Video Amplifier with Low In/Out Rail.	TSH341ILT	SMD 109-4966●	5.92	4.46	3.81	3.55	– –
343	BB	8	SOIC	Single Supply, Rail-to-Rail Operational Amp.	OPA343UA	SMD 110-6185●	2.79	2.13	1.57	1.36	– –
344	BB	8	DIL	Low Power, Single-Supply, Rail-to-Rail Operational Amp. (IND TEMP)	OPA344PA	109-7495●	2.54	1.94	1.43	1.24	– –
344	BB	8	SOIC	Low Power, Single-Supply, Rail-to-Rail Operational Amp. (IND TEMP).	OPA344UA	SMD 110-6191●	2.54	1.94	1.43	1.24	– –
344	BB	8	DIL	Low Power, Single-Supply, Rail-to-Rail Operational Amp. (IND TEMP)	OPA344PA.	353-4820‡	3.10	2.37	1.75	1.51	– –
348	TI	5	SOP	OP AMP, 1MHZ, RRIO	OPA348AIDBVTG4	SMD 120-7047●	2.52	2.01	1.58	1.10	– –
348	TI	14	SOIC	Quad, Operational Amp	LM348D	SMD 958-9635●	0.88	0.67	0.50	0.32	– –
349	TI	5	SOP	OP AMP, RAIL-RAIL Sub MicroPower	OPA349NA	SMD 121-2298●	2.67	2.21	1.86	– –	– –
349	TI	5	SOP	OP AMP, RAIL-RAIL Sub MicroPower	OPA349NA.	SMD 843-3453	3.74	2.86	2.11	1.82	– –
350	ST	8	SOIC	Low Noise, Very-Large Bandwidth Op Amp	TSH350ID	SMD 108-6946●	4.56	3.78	3.26	3.06	– –
350	ST	5	SOT-23	Low Noise, Very-Large Bandwidth Op Amp	TSH350ILT	SMD 108-6948●	4.56	3.78	3.26	3.06	– –
350	TI	8	VSSOP	OP AMP, Single-Supply	OPA350EA/250G4	SMD 120-7048●	5.45	4.17	3.19	2.80	– –
353	BB	8	SOIC	High Speed, Single Supply, Rail-to-Rail Operational Amp	OPA353UA	SMD 110-6186●	4.64	3.55	2.62	2.26	– –
353	TI	5	SOP	OP AMP, Single-Supply	OPA353NA/250	SMD 120-7049●	4.64	3.55	2.62	2.26	– –
354	TI	5	SOP	OP AMP, 250MHZ, RRIO	OPA354AIDBVTG4	SMD 120-7050●	3.47	2.66	1.96	1.69	– –
355	TI	6	SOP	OP AMP, 200MHZ GBW	OPA355NA/3KG4	SMD 120-7051●	4.20	3.22	2.37	2.05	– –
357	TI	6	SOP	OP AMP, 250MHZ, RRIO	OPA357AIDBVTG4	SMD 120-7053●	3.47	2.66	1.96	1.69	– –
364	TI	5	SOP	OP AMP, HIGH CMR, RRIO	OPA364AIDBVTG4	SMD 120-7054●	2.93	2.24	1.65	1.43	– –
364	TI	5	SOP	OP AMP, HIGH CMR, RRIO	OPA364IDBVT	SMD 121-2299●	4.15	3.18	2.34	2.02	– –
364	TI	5	SOP	OP AMP, HIGH CMR, RRIO	OPA364IDBVT.	SMD 843-3607	4.41	3.38	2.49	2.15	– –
374	TI	5	SOP	OP AMP, 6.5MHZ, RRIO	OPA374AIDBVTG4	SMD 120-7056●	2.11	1.68	1.32	0.92	– –

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
392	NSC	8	SOIC	Low Power Operational Amp./Voltage Comparator	LM392M.	SMD 398-585‡	3.66	2.56	1.82	– –	– –
392	NSC	8	SOIC	Low Power Operational Amp./Voltage Comparator	LM392M	SMD 948-6755●	3.66	2.56	1.82	– –	– –
392	NSC	8	DIL	Low Power Operational Amp./Voltage Comparator	LM392N	948-6763●	3.81	2.76	1.97	– –	– –
452	TI	7	PFM	OP AMP, Unity Gain Stable	OPA452TA-1	SMD 121-2313●	9.97	7.63	6.32	5.64	– –
452	TI	7	PFM	OP AMP, Unity Gain Stable	OPA452TA-1.	SMD 843-3909	10.42	7.97	6.09	5.35	– –
453	TI	7	TO/SOT	OP AMP, Hi-Gain	OPA453TA	SMD 121-2314●	9.97	7.63	6.32	5.64	– –
453	TI	7	TO/SOT	OP AMP, Hi-Gain	OPA453TA.	SMD 843-3917	10.03	7.68	5.86	5.16	– –
461	ST	5	SOT-23	Rail-to-Rail, Low Noise, High output swing Operational Amp	TS461CLT	SMD 109-4375●	1.97	1.42	1.11	0.86	– –
461	ST	8	SOIC	Rail-to-Rail, Low Noise, High output swing Operational Amp	TS461CD.	SMD 332-9239▲‡	1.37	1.05	0.79	0.67	– –
461	ST	5	SOT-23	Rail-to-Rail, Low Noise, High output swing Operational Amp	TS461CLT.	SMD 332-9240▲	1.37	1.05	0.79	0.67	– –
461	ST	8	SOIC	Rail-to-Rail, Low Noise, High output swing Operational Amp	TS461CD	SMD 975-5713●	1.37	1.05	0.79	0.67	– –
477	MAX	8	DIL	300MHz High Speed Video Amp	MAX477EPA+	118-8046●	13.05	9.98	7.66	– –	– –
495	MAX	8	DIL	Micropower, Single Supply Operational Amp	MAX495CPA	632-247▲	5.98	4.57	3.51	– –	– –
541	BB	11	TO-220	##	OPA541AP	109-7513●	32.55	28.27	25.76	24.15	– –
548	TI	7	TO-220	OP AMP, Power	OPA548TG3	120-7063●	19.59	16.83	14.52	13.06	– –
549	BB	11	TO-220	High Voltage, High Current Amp. with Disable, Current Limit and Thermal shutdown	OPA549T	109-7484●	35.19	30.56	27.85	26.11	– –
549	TI	11	PFM	OP AMP, Power	OPA549SG3	120-7065●	35.19	30.56	27.85	26.11	– –
549	BB	11	TO-220	High Voltage, High Current Amp. with Disable, Current Limit and Thermal shutdown	OPA549T.	332-4072‡	35.19	30.56	27.85	26.11	– –
551	BB	8	SOIC	High Voltage, High Current, 3MHz Amp. with Disable, Current Limit and Thermal shutdown. (IND TEMP).	OPA551UA	SMD 109-7509●	7.70	5.89	4.50	3.96	– –
551	TI	8	DIL	High Voltage, High Current 3MHz Amp. with Disable, Current Limit and Thermal shutdown	OPA551PAG4	117-8432●	7.70	5.89	4.50	3.96	– –
551	BB	8	SOIC	High Voltage, High Current, 3MHz Amp. with Disable, Current Limit and Thermal shutdown. (IND TEMP).	OPA551UA.	SMD 353-5332‡	8.21	6.28	4.80	4.22	– –
552	TI	8	SOIC	OP AMP, Power	OPA552UA	SMD 121-2315●	7.70	5.89	4.50	3.96	– –
552	TI	8	DIL	High Voltage, High Current 12MHz Amp. with Disable, CurrentLimit and Thermal shutdown	OPA552PA	121-5361●	7.70	5.89	4.50	3.96	– –
552	BB	8	DIL	High Voltage, High Current 12MHz Amp. with Disable, CurrentLimit and Thermal shutdown	OPA552PA.	332-4096	7.93	6.07	4.63	4.08	– –
552	TI	8	SOIC	OP AMP, Power	OPA552UA..	SMD 843-3950	7.66	5.86	4.48	3.94	– –
656	TI	5	SOP	OP AMP, Wideband, JFET, Input VFB	OPA656N	SMD 121-2320	13.05	10.87	9.34	– –	– –

● Compliant
● ▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
656	TI	8	SOIC	OP AMP, Wideband, JFET, Input VFB	OPA656U	SMD 121-2322	13.10	10.02	8.30	7.40	– –
656	TI	5	SOP	OP AMP, Wideband, JFET, Input VFB	OPA656N.	SMD 843-4026	14.19	10.86	9.00	8.02	– –
656	TI	8	SOIC	OP AMP, Wideband, JFET, Input VFB	OPA656U..	SMD 843-4034	13.86	10.61	8.79	7.83	– –
675	NSC	5	TO-220	Power Operational Amp - 3A output	LM675T	948-6771	11.09	8.33	6.24	– –	– –
690	TI	8	SOIC	OP AMP Single Wideband VFB w/Disable	OPA690IDG4	SMD 120-7068	5.63	4.31	3.29	2.89	– –
690	TI	6	SOP	OP AMP Single Wideband VFB w/Disable	OPA690IDBVTG4	SMD 120-7069	6.07	4.65	3.55	3.12	– –
691	TI	8	SOIC	OP AMP Single Wideband CFB w/Disable	OPA691IDG4	SMD 120-7070	6.07	4.65	3.55	3.12	– –
691	TI	6	SOP	OP AMP Single Wideband CFB w/Disable	OPA691IDBVTG4	SMD 120-7071	6.47	4.95	3.78	3.32	– –
692	TI	6	SOP	OP AMP Single Wideband FGB w/Disable	OPA692IDBVTG4	SMD 120-7072	5.23	4.01	3.06	2.69	– –
693	TI	8	SOIC	OP AMP Fixed Gain Video Buffer w/Disable	OPA693IDG4	SMD 120-7073	5.45	4.17	3.19	2.80	– –
695	TI	8	SOIC	OP AMP High Speed CFB	OPA695IDG4	SMD 120-7074	5.63	4.31	3.29	2.89	– –
695	TI	6	SOP	OP AMP High Speed CFB	OPA695IDBVTG4	SMD 120-7075	6.07	4.65	3.55	3.12	– –
703	TI	5	SOP	OP AMP, 12V, 1MHZ	OPA703NA/250G4	SMD 120-7077	6.16	4.71	3.60	3.17	– –
709	NSC	8	TO-5	Operational Amp	LM709CH	398-779	7.48	5.69	4.26	– –	– –
721	NSC	5	SOT-23-5	10MHz, Low Noise, Low Voltage, Low Power Operational Amp	LMV721M5.	SMD 315-1177‡	3.15	2.20	1.57	– –	– –
721	NSC	5	SC70	10MHz, Low Noise, Low Voltage, Low Power Operational Amp	LMV721M7.	SMD 315-1189‡	3.15	2.20	1.57	– –	– –
721	NSC	5	SOT-23-5	10MHz, Low Noise, Low Voltage, Low Power Operational Amp	LMV721M5	SMD 977-8497	3.15	2.20	1.57	– –	– –
721	NSC	5	SC70	10MHz, Low Noise, Low Voltage, Low Power Operational Amp	LMV721M7	SMD 977-8500	3.15	2.20	1.57	– –	– –
735	TI	8	SOIC	OP AMP Single-Supply CMOS Zero-Drift	OPA735AID	SMD 121-2328	5.50	4.21	3.21	2.83	– –
735	TI	5	SOP	OP AMP Single-Supply CMOS Zero-Drift	OPA735AIDBVT	SMD 121-2329	5.50	4.21	3.21	2.83	– –
735	TI	8	SOIC	OP AMP Single-Supply CMOS Zero-Drift	OPA735AID.	SMD 843-4263	5.11	3.91	2.98	2.63	– –
735	TI	5	SOP	OP AMP Single-Supply CMOS Zero-Drift	OPA735AIDBVT.	SMD 843-4271	5.68	4.35	3.32	2.92	– –
741	NSC	8	TO-5	Compensated Operational Amp	LM741CH.	398-810	8.56	6.22	4.66	– –	– –
741	NSC	8	TO-5	Compensated Operational Amp	LM741H.	398-860	8.56	6.22	4.66	– –	– –
741	FCH	8	DIL	Compensated Operational Amp	KA741	101-3815	0.99	0.72	0.58	– –	– –
741	ST	8	DIL	Compensated Operational Amp	UA741CN	109-4414	0.66	0.50	0.38	0.32	– –
741	TI	8	SOIC	Compensated Operational Amp	UA741CD	SMD 110-6042	0.78	0.60	0.45	0.29	– –
741	FCH	8	SOIC	Compensated Operational Amp	KA741D	SMD 120-9533	1.01	0.78	0.65	– –	– –
741	TI	8	DIL	Compensated Operational Amp	UA741CPE4	121-0962	0.78	0.60	0.45	0.29	– –
741	NSC	8	H08C	Compensated Operational Amp	LM741CH	121-6154	8.56	6.22	4.66	– –	– –
741	NSC	8	H08C	Compensated Operational Amp	LM741H	121-6155	8.56	6.22	4.66	– –	– –
741	SAM	8	DIL	Compensated Operational Amp	KA741.	345-8143‡	0.85	0.61	0.51	– –	– –
741	NSC	8	DIL	Compensated Operational Amp	LM741CN	948-6780	1.49	1.03	0.74	– –	– –
748	ST	8	SOIC	General Purpose precision Operational Amp. (LM101A equivalent)	UA748CD	SMD 109-4417	1.76	1.35	1.05	0.91	– –
748	ST	8	DIL	General Purpose precision Operational Amp. (LM101A equivalent)	UA748CN	109-4418	2.16	1.66	1.42	1.03	– –
748	ST	8	DIL	General Purpose precision Operational Amp. (LM101A equivalent)	UA748CN.	302-4660	1.72	1.31	1.02	0.88	– –
777	ADI	8	SOIC	Precision Micropower, Single-Supply Operational Amplifier (IND TEMP)	OP777ARZ	SMD 942-6108	3.21	2.55	2.13	– –	– –
820	TI	5	SOP	Unity Gain Stable,Low Noise,Voltage Feedback Operational Amplifier	OPA820IDBVRG4	SMD 959-4000	4.40	3.37	2.48	2.14	– –
821	TI	5	SC70	Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LMV821IDCKTE4	SMD 105-3752	1.76	1.40	1.10	0.76	– –
821	TI	5	SOT-23	Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LMV821IDBVTE4	SMD 105-3756	1.76	1.40	1.10	0.76	– –
821	TI	5	SC70	Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LMV821DCKTE4	SMD 105-3762	1.88	1.35	1.01	0.68	– –
821	TI	5	SOT-23	Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LMV821DBVT	SMD 105-3767	1.88	1.35	1.01	0.68	– –
842	TI	8	SOIC	OP AMP Single WB, VFB Gain of 1 Stable	OPA842ID	SMD 121-2330	6.55	5.22	3.98	3.50	– –
842	TI	8	SOIC	OP AMP Single WB, VFB Gain of 1 Stable	OPA842ID..	SMD 843-4280	6.08	4.66	3.55	3.13	– –
844	ADI	8	DIL	60MHz Current Feedback Amp	AD844ANZ	960-4693	9.23	7.70	6.16	– –	– –
846	TI	5	SOP	OP AMP Single WB Low Noise VFB	OPA846IDBVTG4	SMD 120-7078	7.92	6.06	4.63	4.07	– –
846	TI	8	SOIC	OP AMP Single WB Low Noise VFB	OPA846ID	SMD 121-2331	7.17	5.72	4.37	3.84	– –
846	TI	8	SOIC	OP AMP Single WB Low Noise VFB	OPA846ID.	SMD 843-4310	7.15	5.47	4.18	3.68	– –
847	TI	8	SOIC	OP AMP Single WB Ultra Low Noise VFB	OPA847IDG4	SMD 120-7079	8.80	6.73	5.14	4.52	– –
847	TI	6	SOP	OP AMP Single WB Ultra Low Noise VFB	OPA847IDBVTG4	SMD 120-7080	9.24	7.07	5.40	4.75	– –
847	ADI	8	SOIC	High Speed, Low Power Video Amp	AD847JRZ	SMD 942-6477	10.92	6.84	– –	– –	– –
847	ADI	8	DIL	High Speed, Low Power Operational Amp., 50MHz unity gain bandwidth. Stability not affected by capacitive loading. 120ns settling time to 0.1%.	AD847JNZ	960-4707	10.92	6.84	5.46	– –	– –
861	MICR	5	SC70	Teeny™ Ultra Low Power Op Amp	MIC861YC5 TR	SMD 110-0679	1.95	1.46	1.27	1.26	– –
921	ST	8	DIL	Rail-to-Rail, I/O, High output current (80mA) Operational Amp., 4MHz	TS921IN	109-4389	2.64	2.02	1.54	1.36	– –
921	ST	8	DIL	Rail-to-Rail, I/O, High output current (80mA) Operational Amp., 4MHz	TS921IN.	332-6263	2.64	2.02	1.54	1.36	– –
931	ST	8	SOIC	Rail-to-Rail, Micropower (20µA/amp.) Operational Amp.	TS931ID.	SMD 332-9367	2.12	1.62	1.24	1.09	– –
931	ST	5	SOT-23	Rail-to-Rail, Micropower (20µA/amp.) Operational Amp.	TS931ILT.	SMD 332-9379‡	1.83	1.40	1.09	0.94	– –
931	ST	5	SOT-23	Rail-to-Rail, Micropower (20µA/amp.) Operational Amp.	TS931ILT	SMD 975-5721	1.83	1.40	1.09	0.94	– –
951	ST	5	SOT-23	Low Power, Rail-to-Rail I/O. Operational Amp., 3MHz.	TS951ILT	SMD 109-4402	1.88	1.44	1.10	0.97	– –
951	ST	8	DIL	Low Power, Rail-to-Rail I/O. Operational Amp., 3MHz.	TS951IN	109-4404	2.12	1.62	1.24	1.09	– –
951	ST	8	DIL	Low Power, Rail-to-Rail I/O. Operational Amp., 3MHz.	TS951IN.	332-6354	2.12	1.62	1.24	1.09	– –
971	ST	8	SOIC	Rail-to-Rail, Low Noise, 12MHz Operational Amp. (SOIC)	TS971ID	SMD 109-4408	1.92	1.47	1.26	0.92	– –
971	ST	8	SOIC	Rail-to-Rail, Low Noise, 12MHz Operational Amp. (SOIC)	TS971ID.	SMD 332-9495	1.53	1.17	0.91	0.78	– –
971	ST	5	SOT-23	Rail-to-Rail, Low Noise, 12MHz Operational Amp	TS971ILT.	SMD 332-9501‡	1.53	1.17	0.91	0.78	– –
971	ST	5	SOT-23	Rail-to-Rail, Low Noise, 12MHz Operational Amp	TS971ILT	SMD 975-5730	1.53	1.17	0.91	0.78	– –
1006	LT	8	DIL	Precision, Single Supply, Operational Amp	LT1006CN8	295-942	6.40	4.08	3.33	– –	– –
1006	LT	8	SOIC	Precision, Single Supply Op Amp.	LT1006S8	SMD 476-6921	6.03	5.10	4.44	– –	– –
1006	LT	8	DIL	Precision, Single Supply, Operational Amp	LT1006CN8#PBF	955-9221	6.40	4.08	3.33	– –	– –
1006	LT	8	SOIC	Precision, Single Supply Op Amp.	LT1006S8#PBF	SMD 955-9230	6.84	4.39	3.57	– –	– –
1007	LT	8	DIL	Low Noise, High Speed Precision Operational Amp	LT1007CN8	638-390	7.58	4.83	3.95	– –	– –
1007	LT	8	SOIC	Low noise, High Speed, Precision Operatioal Amplifier	LT1007CS8#PBF	SMD 113-6622	8.05	5.16	4.20	– –	– –
1007	LT	8	SOIC	Low noise, High Speed, Precision Operatioal Amplifier	LT1007CS8	SMD 386-2343	9.18	5.85	4.78	– –	– –
1007	LT	8	DIL	Low Noise, High Speed Precision Operational Amp	LT1007CN8#PBF	955-9248	7.58	4.83	3.95	– –	– –
1028	LT	8	DIL	Ultra Low Noise, Precision, High Speed Operational Amp	LT1028CN8	525-832	19.19	12.24	10.00	– –	– –
1028	LT	8	SOIC	Ultra low noise, Precision, High speed Operational Amplifier	LT1028CS8	SMD 386-2331	19.19	12.24	10.00	– –	– –
1028	LT	8	DIL	Low Noise, Precision High Speed Op Amp	LT1028ACN8	476-7044	24.87	21.15	18.12	– –	– –
1028	LT	8	DIL	Low Noise, Precision High Speed Op Amp	LT1028ACN8#PBF	955-9477	25.65	16.44	13.25	– –	– –
1028	LT	8	DIL	Ultra Low Noise, Precision, High Speed Operational Amp	LT1028CN8#PBF	955-9485	19.19	12.24	10.00	– –	– –
1028	LT	8	SOIC	Ultra low noise, Precision, High speed Operational Amplifier	LT1028CS8#PBF	SMD 955-9493	19.19	12.24	10.00	– –	– –
1077	LT	8	DIL	Low Power, Precision Single Supply, Operational Amp	LT1077CN8	246-633	6.72	4.44	3.62	– –	– –
1077	LT	8	SOIC	Micropower, Single Supply Precision Operational Amplifier	LT1077S8	SMD 386-2306	8.06	5.14	4.20	– –	– –
1077	LT	8	DIL	Low Power, Precision Single Supply, Operational Amp	LT1077CN8#PBF	955-9663	6.95	4.44	3.62	– –	– –
1077	LT	8	SOIC	Micropower, Single Supply Precision Operational Amplifier	LT1077S8#PBF	SMD 955-9671	8.06	5.14	4.20	– –	– –
1097	LT	8	DIL	Precision Operational Amp.-Vos 50µV max. Drift 1.0µV/°C max. (Enhanced OP07/ OP77/OP97/OP177)	LT1097CN8	295-966	6.95	4.44	3.62	– –	– –
1097	LT	8	SOIC	Low Power, Proecision Operational Amplifier	LT1097S8	SMD 386-2264	7.51	4.79	3.91	– –	– –
1097	LT	8	DIL	Precision Operational Amp.-Vos 50µV max. Drift 1.0µV/°C max. (Enhanced OP07/ OP77/OP97/OP177)	LT1097CN8#PBF	955-9914	6.95	4.44	3.62	– –	– –
1097	LT	8	SOIC	Low Power, Proecision Operational Amplifier	LT1097S8#PBF	SMD 955-9922	7.51	4.79	3.91	– –	– –
1177	ADI	8	SOIC	Single Precision Lo Input Bias Current Op Amp.	OP1177ARZ	SMD 862-1594	2.64	2.10	1.74	– –	– –
1210	LT	8	SOIC	35MHz, 1.1A output drive. Current Feedback Operational Amp	LT1210CS	SMD 791-854	25.08	16.00	12.95	– –	– –
1217	LT	8	DIL	10MHz, Low Power Current Feedback Amp	LT1217CN8	638-389	12.80	8.17	6.67	– –	– –
1227	LT	8	DIL	140MHz Current Feedback Amp	LT1227CN8	786-974	9.66	6.17	5.04	– –	– –
1227	LT	8	SOIC	Video Current Feedback Amplifier	LT1227CS8	SMD 476-7329	10.17	8.67	7.41	– –	– –
1227	LT	8	DIL	140MHz Current Feedback Amp	LT1227CN8#PBF	956-0300	9.66	6.17	5.04	– –	– –
1227	LT	8	SOIC	Video Current Feedback Amplifier	LT1227CS8#PBF	SMD 956-0319	10.52	6.74	5.48	– –	– –
1228	LT	8	DIL	Current Feedback Amplifier with DC Gain Control	LT1228CN8	476-7330	13.02	11.07	9.51	– –	– –
1228	LT	8	SOIC	Current Feedback Amplifier with DC Gain Control	LT1228CS8	SMD 476-7342	14.67	12.48	10.74	– –	– –
1228	LT	8	DIL	Current Feedback Amplifier with DC Gain Control	LT1228CN8#PBF	956-0327	13.45	8.62	7.01	– –	– –
1228	LT	8	SOIC	Current Feedback Amplifier with DC Gain Control	LT1228CS8#PBF	SMD 956-0335	15.17	9.72	7.91	– –	– –
1252	LT	8	DIL	Current-feedback Video Amplifier	LT1252CN8	386-2173	7.23	4.61	3.77	– –	– –
1252	LT	8	DIL	Current-feedback Video Amplifier	LT1252CN8#PBF	956-0360	7.23	4.61	3.77	– –	– –
1357	LT	8	DIL	High Speed Operational Amp., 25MHz gain-bandwidth	LT1357CN8	641-285	9.66	6.17	5.04	– –	– –
1357	LT	8	SOIC	High-speed 25MHz, 600V/µs Operational Amplifier	LT1357CS8	SMD 386-2227	11.40	7.27	5.94	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1357 LT	8	DIL	High Speed Operational Amp., 25MHz gain-bandwidth	LT1357CN8#PBF	956-0432●	9.66	6.17	5.04	– –	– –
1357 LT	8	SOIC	High-speed 25MHz, 600V/µs Operational Amplifier	LT1357CS8#PBF	SMD 956-0440●	11.40	7.27	5.94	– –	– –
1363 LT	8	DIL	High Speed Operational Amp., 70MHz gain-bandwidth, 50ns settling time to 0.1%	LT1363CN8	641-273▲	9.40	6.00	4.90	– –	– –
1363 LT	8	DIL	High Speed Operational Amp., 70MHz gain-bandwidth, 50ns settling time to 0.1%	LT1363CN8#PBF	956-0467●	9.40	6.00	4.90	– –	– –
1366 LT	8	SOIC	Dual Precision Rail to Rail Input and Output Operation Amplifier	LT1366CS8	SMD 386-2148▲	15.02	9.58	7.83	– –	– –
1366 LT	8	SOIC	Dual Precision Rail to Rail Input and Output Operation Amplifier	LT1366CS8#PBF	SMD 956-0483●	15.02	9.58	7.83	– –	– –
1851 ST	8	SOIC	Micropower, 1.8V, 120µA/amp., Rail-to-Rail I/O, operational amp.(SOIC)	TS1851ID	SMD 109-4358●	2.97	2.27	1.74	1.53	– –
1851 ST	5	SOT-23	Micropower, 1.8V, 120µA, Rail-to-Rail I/O, operational amp	TS1851ILT	SMD 109-4359●	3.71	2.84	2.44	1.78	– –
1851 ST	8	SOIC	Micropower, 1.8V, 120µA/amp., Rail-to-Rail I/O, operational amp.(SOIC)	TS1851ID.	SMD 332-6366▲	2.95	2.26	1.72	1.52	– –
2011 NSC	8	SOIC	Single, High Precision, Rail-to-Rail Output Operational Amplifier	LMP2011MA	SMD 100-8279●	4.89	3.56	2.66	– –	– –
2011 NSC	5	SOT-23	Single, High Precision, Rail-to-Rail Output Operational Amplifier	LMP2011MF	SMD 100-8280●	4.89	3.56	2.66	– –	– –
2020 ADI	8	DIL	90MHz Current Feedback Amp. (Enhanced EL2020)	ADEL2020ANZ	960-5274●	6.37	5.31	4.25	– –	– –
2021 TI	8	SOIC	Low Power Operational Amp. Output current ±20mA. (IND TEMP)	TLE2021ID	SMD 110-2938●	2.44	1.87	1.38	1.19	– –
2021 TI	8	DIL	Low Power Operational Amp. Output current ±20mA. (IND TEMP)	TLE2021IP	110-2939●	2.44	1.87	1.38	1.19	– –
2021 TI	8	DIL	Low Power Operational Amp. Output current ±20mA. (IND TEMP)	TLE2021IP.	305-5036	2.81	2.24	1.76	1.22	– –
2027 TI	8	SOIC	Low Noise High Speed Precision Operational Amp. (IND TEMP)	TLE2027ID	SMD 110-2944●	4.44	3.55	2.62	2.26	– –

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Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2027 TI	8	SOIC	Low Noise High Speed Precision Operational Amp. (IND TEMP)	TLE2027ID.	SMD 305-5085	4.44	3.46	2.55	2.20	– –
2037 TI	8	SOIC	Low Noise, Precision Operational Amp. Optimised for faster slewrate (-7.5V/µs) and wider bandwidth (50MHz)	TLE2037ID	SMD 110-2945●	4.44	3.55	2.62	2.26	– –
2037 TI	8	SOIC	OP AMP	TLE2037CD	SMD 845-4710●	4.40	3.37	2.48	2.14	– –
2141 TI	8	SOIC	OP AMP	TLE2141CD	SMD 845-4760●	2.69	2.06	1.51	1.31	– –
2201 TI	8	SOIC	OP AMP	TLC2201ACD	SMD 845-3780●	7.30	5.59	4.27	3.75	– –
2211 TI	5	SOP	OP AMP, RAIL-RAIL	TLV2211CDBVT	SMD 845-4914●	2.35	1.87	1.47	1.02	– –
2241 TI	5	SOP	Op AMP, RAIL-RAIL I/O	TLV2241IDBVT	SMD 845-4930●	3.03	2.32	1.71	1.48	– –
2370 TI	6	SOP	OP AMP, RAIL-RAIL I/O	TLV2370IDBVT	SMD 845-4973●	2.64	2.10	1.65	1.15	– –
2370 TI	8	SOIC	OP AMP, RAIL-RAIL I/O	TLV2370ID	SMD 845-4981●	2.64	2.10	1.65	1.15	– –
2371 TI	5	SOP	OP AMP, RAIL-RAIL I/O	TLV2371IDBVT	SMD 845-4990●	2.40	1.92	1.51	1.05	– –
2371 TI	8	SOIC	OP AMP, RAIL-RAIL I/O	TLV2371ID	SMD 845-5007●	2.40	1.92	1.51	1.05	– –
2381 TI	5	SOP	OP AMP, RAIL-RAIL I/O	TLV2381IDBVT	SMD 845-5074●	2.79	2.13	1.57	1.36	– –
2401 TI	5	SOP	OP AMP, RAIL-RAIL I/O	TLV2401IDBVT	SMD 845-5090●	3.27	2.51	1.85	1.59	– –
2461 TI	5	SOP	OP AMP, RAIL-RAIL I/O	TLV2461CDBVT	SMD 845-5147●	2.79	2.13	1.57	1.36	– –
2652 TI	8	SOIC	OP AMP, CHOPPER	TLC2652AC-8D	SMD 845-4124●	9.63	7.37	5.63	4.95	– –
2652 TI	8	PDIP	OP AMP, CHOPPER	TLC2652ACP	845-4132●	9.63	7.37	5.63	4.95	– –
2731 TI	5	SOP	OP AMP, RAIL-RAIL Low Power	TLV2731CDBVT	SMD 845-5295●	2.17	1.73	1.36	0.94	– –
2731 TI	5	SOP	OP AMP, RAIL-RAIL Low Power	TLV2731IDBVT	SMD 845-5309●	2.29	1.82	1.43	0.99	– –
2760 TI	6	SOP	OP AMP, RAIL-RAIL, 1.8V, 20uA Single w/Shutdown	TLV2760IDBVT	SMD 845-5333●	3.27	2.51	1.85	1.59	– –
3091 TI	8	HSOP	OP AMP, Current Feedback	THS3091DDA	SMD 121-2366●	10.36	7.93	6.57	5.86	– –
3091 TI	8	SOIC	OP AMP, Current Feedback	THS3091D	SMD 845-2997●	10.78	8.25	6.30	5.54	– –
3091 TI	8	HSOP	OP AMP, Current Feedback	THS3091DDA.	SMD 845-3004	13.07	10.00	8.28	7.39	– –
3095 TI	8	SOIC	OP AMP, Current Feedback	THS3095D	SMD 845-3039●	9.97	7.63	6.32	5.64	– –
3120 TI	8	SOIC	LINE Driver, Dual	THS3120ID	SMD 845-3047●	7.74	5.92	4.52	3.98	– –
3121 TI	8	SOIC	LINE Driver	THS3121ID	SMD 845-3055●	9.41	7.20	5.50	4.84	– –
3201 TI	8	SOIC	OP AMP, Current Feedback 1.8GHZ	THS3201D	SMD 845-3063●	9.24	7.07	5.40	4.75	– –
3201 TI	8	HTSSOP	OP AMP, Current Feedback 1.8GHZ	THS3201DGN	SMD 845-3071●	9.24	7.07	5.40	4.75	– –
3401 TI	5	SOP	OP AMP, RAIL-RAIL	TLV3401IDBVT	SMD 845-5481●	3.18	2.43	1.79	1.55	– –
3472 TI	8	SOIC	High-Slew-Rate, Single-Supply Operational Amplifier	TL3472CD	SMD 959-3527●	1.17	0.84	0.63	0.42	– –
3701 TI	5	SOP	OP AMP, RAIL-RAIL	TLV3701CDBVT	SMD 845-5538●	2.93	2.24	1.65	1.43	– –
3701 TI	5	SOP	OP AMP, RAIL-RAIL	TLV3701IDBVT	SMD 845-5546●	3.18	2.43	1.79	1.55	– –
3701 TI	8	PDIP	OP AMP, RAIL-RAIL	TLV3701IP	845-5554●	3.18	2.43	1.79	1.55	– –
4001 TI	8	SOIC	270MHz, Voltage Feedback Operational Amp., 100mA Output drive,(-40 to +85°C Temp. Range)	THS4001ID	SMD 110-2960●	9.24	7.07	5.40	4.75	– –
4001 TI	8	SOIC	270MHz, Voltage Feedback Operational Amp., 100mA Output drive. (0 to +70°C Temp. Range)	THS4001CD	SMD 121-4369●	8.80	6.73	5.14	4.52	– –
4001 TI	8	SOIC	270MHz, Voltage Feedback Operational Amp., 100mA Output drive. (0 to +70°C Temp. Range)	THS4001CD.	SMD 334-9688	8.23	6.30	4.81	4.23	– –
4001 TI	8	SOIC	270MHz, Voltage Feedback Operational Amp., 100mA Output drive,(-40 to +85°C Temp. Range)	THS4001ID.	SMD 334-9706	9.54	7.30	5.58	4.90	– –
4011 TI	8	SOIC	OP AMP, 290-MHZ	THS4011CD	SMD 845-3110●	6.38	4.88	3.73	3.28	– –
4021 TI	8	SOIC	OP AMP, 350-MHZ	THS4021ID	SMD 845-3152●	10.56	8.08	6.69	5.97	– –
4031 TI	8	SOIC	OP AMP, 100-MHZ	THS4031CD	SMD 845-3179●	7.26	5.55	4.24	3.73	– –
4031 TI	8	SOIC	OP AMP, 100-MHZ	THS4031ID	SMD 845-3187●	7.70	5.89	4.50	3.96	– –
4031 TI	8	HTSSOP	OP AMP, 100-MHZ	THS4031IDGN	SMD 845-3195●	8.58	6.56	5.01	4.41	– –
4081 TI	8	SOIC	175MHz Low Power, High Speed Op. Amp. (-40 to +85°C Temp. Range)	THS4081ID	SMD 121-4365●	5.72	4.38	3.34	2.94	– –
4081 TI	8	SOIC	175MHz Low Power, High Speed Op. Amp. (-40 to +85°C Temp. Range)	THS4081ID.	SMD 334-9408	7.89	6.04	4.61	4.05	– –
4100 FCH	8	SOIC	Rail to Rail, +2.7V and +5.0V, 260MHz operational amplifier	KM4100IC8TR3	SMD 360-6570▲	1.63	1.30	1.04	0.71	– –
4107 MAX	8	SOIC	350MHz, High Speed Ultra-low noise Operational Amplifier	MAX4107ESA+	SMD 118-7972●	7.50	5.89	4.52	– –	– –
4120 FCH	6	SOT-23	Rail to Rail, +2.7 and +5.0V, 75MHz, Operational Amplifier	KM4120IT6TR3	SMD 101-3880●	1.55	1.27	1.02	0.69	– –
4165 MAX	5	SOT-23	Low Power, Single Supply, Rail-to-Rail input/output Operational amp. with high output current drive and shutdown	MAX4165EUK	SMD 301-2438▲‡	3.49	2.67	2.05	– –	– –
4165 MAX	5	SOT-23	Low Power, Single Supply, Rail-to-Rail input/output Operational amp. with high output current drive and shutdown	MAX4165EUK+	SMD 972-3994●	3.49	2.67	2.05	– –	– –
4172 MAX	8	SOIC	High-Side Current-Sense Amplifier	MAX4172ESA+	SMD 972-4117●	7.58	5.80	4.45	– –	– –
4211 TI	8	SOIC	OP AMP	THS4211D	SMD 845-3306●	8.01	6.40	4.88	4.30	– –
4212 MAX	5	SOT-23	300MHz, Single Supply, Rail-to-Rail Operational amp.	MAX4212EUK	SMD 301-2529▲‡	6.38	4.88	3.75	– –	– –
4212 MAX	5	SOT-23	300MHz, Single Supply, Rail-to-Rail Operational amp.	MAX4212EUK+	SMD 972-4028●	6.38	4.88	3.75	– –	– –
4221 TI	8	SOIC	OP AMP, RAIL-RAIL	THS4221D	SMD 845-3314●	6.38	4.88	3.73	3.28	– –
4250 MAX	5	SOT-23	Low Noise, Low Distortion, Single Supply, Rail-to-Rail Operational amp.	MAX4250EUK	SMD 301-2451▲‡	4.03	3.08	2.37	– –	– –
4250 NSC	8	DIL	Programmable Operational Amp	LM4250CN	948-6798●	2.70	1.91	1.36	– –	– –
4250 MAX	5	SOT-23	Low Noise, Low Distortion, Single Supply, Rail-to-Rail Operational amp.	MAX4250EUK+	SMD 972-4001●	4.03	3.08	2.37	– –	– –
4271 TI	8	SOIC	Low Noise, high Slew rate unity gain stable voltage feedback Amp	THS4271D	SMD 110-3109●	9.90	7.57	5.78	5.09	– –
4271 TI	8	SOIC	Low Noise, high Slew rate unity gain stable voltage feedback Amp	THS4271D.	SMD 501-2016	11.53	8.83	7.31	6.52	– –
4275 TI	8	SOIC	OP AMP	THS4275D	SMD 845-3349●	10.12	7.74	5.91	5.20	– –
4281 TI	8	SOIC	OP AMP, RAIL-RAIL	THS4281D	SMD 845-3357●	4.40	3.37	2.48	2.14	– –
4850 ADI	8	LFCSP	Single, High Speed, Rail-to-Rail Output Op Amp with Ultalow Power-Down	ADA4850-1YCPZ-R2	SMD 107-8233●	1.89	1.58	1.26	– –	– –
4851 ADI	6	SOT-23	Single, High Speed, Rail-to-Rail Output Op Amp	ADA4851-1YRJZ-R2	SMD 107-8231●	1.89	1.58	1.26	– –	– –
4851 ADI	6	SOT-23	High Speed, Rail-to-Rail Op Amp	ADA4851-1YRJZ	SMD 907-9343●	2.06	1.72	1.38	– –	– –
5534 TI	8	DIL	Low Noise Operational Amp	NE5534AP..	563-602	2.82	2.16	1.59	1.38	– –
5534 TI	8	DIL	Low Noise Operational Amp	NE5534P..	563-614	2.67	2.13	1.67	1.16	– –
5534 TI	8	DIL	Low Noise Operational Amp	NE5534AP	110-6093●	2.23	1.78	1.40	0.97	– –
5534 TI	8	DIL	Low Noise Operational Amp	NE5534P	110-6094●	1.88	1.50	1.18	0.82	– –
5534 TI	8	SOIC	Low-Noise Operational Amplifier	NE5534AD	SMD 958-9864●	2.23	1.78	1.40	0.97	– –
5534 TI	8	SOIC	Low-Noise High-Speed Audio Operational Amplifier	NE5534D	SMD 958-9872●	1.88	1.50	1.18	0.82	– –
6171 NSC	8	DIL	High Speed, Low Power Voltage Feedback Operational Amp	LM6171BIN.	638-250‡	5.54	4.03	3.02	– –	– –
6171 NSC	8	DIL	High Speed, Low Power Voltage Feedback Operational Amp	LM6171BIN	949-3611●	5.54	4.03	3.02	– –	– –
6171 NSC	8	SOIC	High Speed, Low Power Voltage Feedback Operational Amp	LM6171BIM	SMD 949-3620●	5.54	4.03	3.02	– –	– –
6181 NSC	8	DIL	100MHz Current Feedback Amp	LM6181IN	948-5953●	5.19	3.77	2.83	– –	– –
6211 MICR	5	SOT-23	IttyBitty™ Operational Amplifier	MIC6211YM5 TR	SMD 110-0680●	1.73	1.30	0.98	0.72	– –
6502 NSC	14	SOIC	Wideband, Low Power, Linear-in-dB Variable Gain Amp	LMH6502MA	SMD 818-1047●	13.18	10.25	8.03	– –	– –
6502 NSC	14	TSSOP	Wideband, Low Power, Linear-in-dB Variable Gain Amp	LMH6502MT	SMD 818-1055●	13.18	10.25	8.03	– –	– –

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
6503	NSC	14	SOIC	Wideband, Low Power, Linear Variable Gain Amp	LMH6503MA	SMD 818-1063	13.18	10.25	8.03	– –	– –
6503	NSC	14	TSSOP	Wideband, Low Power, Linear Variable Gain Amp	LMH6503MT	SMD 818-1071	13.18	10.25	8.03	– –	– –
6504	NSC	8	SOIC	Wideband, Low Power, Variable Gain Amplifier	LMH6504MA	SMD 818-0717	11.68	8.53	6.39	– –	– –
6550	NSC	8	SOIC	Differential, High Speed Op Amp	LMH6550MM	SMD 100-8036	10.66	7.75	5.80	– –	– –
6550	NSC	8	SOIC	Differential, High Speed Op Amp	LMH6550MA	SMD 100-8272	10.66	7.75	5.80	– –	– –
6551	NSC	8	MSOP	Differential, High Speed Op Amp	LMH6551MM	SMD 100-8037	7.43	5.40	4.05	– –	– –
6551	NSC	8	SOIC	Differential, High Speed Op Amp	LMH6551MA	SMD 100-8273	7.43	5.40	4.05	– –	– –
6609	NSC	8	SOIC	Voltage Feedback Op Amp	LMH6609MA	SMD 818-0733	6.46	4.69	3.52	– –	– –
6624	NSC	8	SOIC	Single/Ultra Low Noise Wideband Op Amp	LMH6624MA	SMD 818-0750	7.80	5.67	4.25	– –	– –
6640	NSC	5	SOT-23	TFT-LCD Single, 16V RRO High Output Current Op Amp	LMH6640MF	SMD 818-0776	5.38	3.91	2.93	– –	– –
6642	NSC	8	SOIC	Low Power, 130MHz Rail-to-Rail output Operational Amp, 3V	LMH6642MA	SMD 949-0167	3.82	2.71	1.97	– –	– –
6657	NSC	5	SOT-23	270MHz Single Supply, Single Amplifiers	LMH6657MF	SMD 818-0784	4.30	3.09	2.26	– –	– –
6657	NSC	5	SC70	270MHz Single Supply, Single Amplifiers	LMH6657MG	SMD 818-0792	4.30	3.09	2.26	– –	– –
6702	NSC	8	SOIC	Ultra Low Distortion, Wideband Op Amp	LMH6702MA	SMD 439-8490▲	6.94	5.05	3.78	– –	– –
6702	NSC	5	SOT-23	Ultra Low Distortion, Wideband Op Amp	LMH6702MF	SMD 761-1602	5.70	4.82	4.09	– –	– –
6720	NSC	8	SOIC	Single, Wideband Video Op Amp with Shutdown	LMH6720MA	SMD 818-0873	4.89	3.56	2.66	– –	– –
6720	NSC	6	SOT-23	Single, Wideband Video Op Amp with Shutdown	LMH6720MF	SMD 818-0881	4.89	3.56	2.66	– –	– –
6723	NSC	8	SOIC	370MHz Singel, 1mA Current Feedback Op Amp	LMH6723MA	SMD 818-0903	5.81	4.23	3.17	– –	– –
6723	NSC	5	SOT-23	370MHz Singel, 1mA Current Feedback Op Amp	LMH6723MF	SMD 818-0911	5.81	4.23	3.17	– –	– –
6730	NSC	8	SOIC	1.2 GHz, Low Distortion Op Amp with Shutdown	LMH6703MA	SMD 100-8276	6.94	5.05	3.78	– –	– –
6732	NSC	8	SOIC	High Speed Op Amp with Adjustable Bandwidth	LMH6732MA	SMD 818-0954	10.84	8.45	6.61	– –	– –
7111	NSC	5	SOT-23	Tiny CMOS, Rail-to-Rail Input and Output Operational Amp	LMC7111BIM5X	SMD 977-9701	2.56	1.84	1.31	– –	– –
7121	NSC	5	SOT-23	Tiny High Speed, Low Power, Voltage Feedback Operational Amp.(IND TEMP)	LM7121IM5.	SMD 954-410‡	4.75	3.45	2.59	– –	– –
7121	NSC	8	SOIC	200MHz, High Speed, Low Power Voltage Feedback Amp	LM7121IM	SMD 949-4120	4.75	3.45	2.59	– –	– –
7121	NSC	5	SOT-23	Tiny High Speed, Low Power, Voltage Feedback Operational Amp.(IND TEMP)	LM7121IM5	SMD 977-9892	4.75	3.45	2.59	– –	– –
7171	NSC	8	DIL	High Speed, High Output Current Voltage Feedback Amplifier	LM7171BIN	949-3727	4.80	3.59	2.69	– –	– –
7301	NSC	8	SOIC	Low Power, 4MHz GBW, Rail-to-Rail Input and Output Operational Amp	LM7301IM	SMD 949-4170	4.00	2.92	2.13	– –	– –
7301	NSC	5	SOT-23	Tiny Low Power, 4MHz GBW, Rail-to-Rail Input and Output Operational Amp	LM7301IM5	SMD 977-9906	3.95	2.92	2.13	– –	– –
8000	ADI	8	LFCSP	Single, Ultra High-Speed Op Amp with Power-Down	AD8000YCPZ-R2	SMD 107-8300	5.72	4.77	3.82	– –	– –
8000	ADI	8	SOIC	Single, Ultra High-Speed Op Amp with Power-Down	AD8000YRDZ	SMD 107-8301	4.05	3.75	3.21	– –	– –
8001	ADI	8	DIL	800MHz Low Power, Current Feedback Operational Amp	AD8001ANZ	960-5304	8.07	6.90	5.79	– –	– –
8001	ADI	8	SOIC	800MHz Low Power, Current Feedback Operational Amp	AD8001ARZ	SMD 960-5657	8.07	6.90	5.79	– –	– –
8010	ADI	8	DIL	High Speed, Low Power, 200mA output Current Video amp	AD8010ANZ	107-9306	9.47	7.89	6.32	– –	– –
8014	ADI	8	SOIC	Single Lo Power, High Performance Amp	AD8014ARZ	SMD 862-1489	3.73	3.11	2.48	– –	– –
8021	ADI	8	SOIC	Low-Noise High-Speed Amplifier for 16-bit Systems, 200MHz. (G=1)	AD8021ARZ	SMD 942-6000	4.16	3.47	2.77	– –	– –
8028	ADI	8	SOIC	Low Distortion, High Speed, Rail-to-Rail Input/Output Amplifier	AD8028ARZ	SMD 114-3285	5.52	4.74	3.96	– –	– –
8028	ADI	10	MSOP	Low Distortion, High Speed, Rail-to-Rail Input/Output Amplifier	AD8028ARMZ	SMD 114-3286	5.52	4.74	3.96	– –	– –
8030	ADI	8	SOIC	Low Power, High Speed, Rail-to-Rail Input/Output Amplifier	AD8030ARZ	SMD 114-3287	4.21	3.51	2.81	– –	– –
8031	ADI	8	SOIC	Single Rail-to-Rail I/O Amp	AD8031ARZ	SMD 862-1500	3.81	3.27	2.61	– –	– –
8045	ADI	8	LFCSP	3nV/Hz Ultralow Distortion Voltage Feedback High Speed Amplifier	AD8045ACPZ-R2	SMD 107-8299	5.56	4.64	3.71	– –	– –
8045	AD	8	SOIC	3nV/(sq.rt)Hz Ultralow Distortion, High Speed Op Amp	AD8045ARDZ	SMD 907-9424	4.48	3.74	2.99	– –	– –
8051	ADI	8	SOIC	High Speed, Rail-to-Rail, 3V/5V or ±5V operated, Operational Amp	AD8051ARZ	SMD 942-5608	2.49	2.13	1.77	– –	– –
8055	ADI	8	DIL	300MHz, Voltage Feedback Operational Amp with bandwidth and slew rate typical of Current Feedback Amps	AD8055ANZ	107-9307	2.49	2.13	1.77	– –	– –
8061	ADI	8	SOIC	300 MHz High Speed Rail-to Rail Amplifier, 2.7V to 8.0V Operation (IND TEMP)	AD8061ARZ	SMD 942-6019	2.71	2.26	1.80	– –	– –
8063	ADI	8	SOIC	300 MHz High Speed Rail-to Rail Amplifier with Shutdown, 2.7V to 8.0V Operation (IND TEMP)	AD8063ARZ	SMD 114-3200	2.49	2.13	1.77	– –	– –
8091	ADI	8	SOIC	Single High Speed Rail-to-Rail Amp	AD8091ARZ	SMD 862-1543	2.21	1.85	1.48	– –	– –
8099	ADI	8	SOIC	Ultralow Distortion, High Speed, 0.95 nV/(sq.rt)Hz Voltage Noise Op Amp	AD8099ARDZ	SMD 839-7848	5.79	4.98	4.14	– –	– –
8101	NSC	8	SOIC	Rail-to-Rail Input and Output, 2.7V Op Amp with Shutdown	LMC8101TP	SMD 823-8740	3.00	2.10	1.49	– –	– –
8230	ADI	8	SOIC	16V Rail-to-Rail, Zero-Drift, Precision Instrumentation Amp	AD8230YRZ	SMD 907-9360	8.79	7.62	6.21	– –	– –
8261	NSC	5	SOT-23	Rail-to-Rail Input and Output, High output current and unlimited capacitive drive operational amp	LM8261M5	SMD 977-8853	5.22	3.69	2.69	– –	– –
8330	ADI	16	QSOP	Low Cost DC-150 MHz Variable Gain Amplifier	AD8330ARQZ	SMD 999-4491	8.70	8.31	– –	– –	– –
8515	ADI	5	SOT-23	1.8 V Low Power CMOS Rail-to-Rail Input/Output Single Operational Amp	AD8515ART-R2	SMD 999-4246	1.13	0.95	0.76	– –	– –
8519	ADI	8	SOIC	8MHz, Rail-to-Rail Operational Amp	AD8519ARZ	SMD 960-3840	2.46	2.07	1.66	– –	– –
8531	ADI	8	SOIC	Rail-to-Rail Input and Output Single Supply Amplifier with 250mA drive current	AD8531ARZ	SMD 960-5479	0.86	0.72	0.58	– –	– –
8532	ADI	8	SOIC	Dual, Low Cost, 250 mA Output, Single-Supply Amplifier	AD8532ARZ	SMD 999-4289	1.02	0.87	0.72	– –	– –
8555	ADI	8	SOIC	Zero Drift, Digitally Programmable Sensor Signal Amplifier	AD8555ARZ	SMD 907-9386	9.33	7.47	6.24	– –	– –
8566	ADI	8	MSOP	16 V Rail-to-Rail Operational Dual Amplifier	AD8566ARMZ	SMD 999-4319	1.66	1.39	1.11	– –	– –
8592	ADI	10	SOIC	Dual, CMOS Single Supply Rail-to-Rail Input/Output Operational Amplifier with ±250 mA Output Current and a Power-Saving Shutdown Mode	AD8592ARMZ	SMD 999-4270	1.06	0.88	0.71	– –	– –
8615	ADI	5	TSOT-23	Single, Rail-to-Rail I/O, Precision CMOS Op Amp	AD8615AUJZ-R2	SMD 107-8280	3.13	2.61	2.09	– –	– –
8615	ADI	5	TSOT-23	Precision 20MHz CMOS, Single Rail-to-Rail Input/Output Op Amp	AD8615AUJZ	SMD 907-9408	3.39	2.82	2.26	– –	– –
8628	ADI	8	SOIC	Single Zero-drift Rail-to-Rail Low Noise Op Amp	AD8628ARZ	SMD 862-1586	2.94	2.34	1.95	– –	– –
8629	ADI	8	SOIC	Zero Drift, Single-Supply, Rail-to-Rail, Input/Output Operational Amplifier	AD8629ARZ	SMD 999-4300	4.59	3.66	3.06	– –	– –
8632	ADI	8	SOIC	Dual, 1.8 V, 5 MHz Rail-to-Rail Low Power Operational Amplifier	AD8632ARZ	SMD 999-4262	1.30	1.08	0.86	– –	– –
8651	ADI	8	SOIC	50 MHz, Precision, Low Distortion, Low Noise CMOS Amplifier	AD8651ARZ	SMD 114-3297	3.33	2.84	2.27	– –	– –
8671	ADI	8	SOIC	Precision, Very Low Noise, Low Input Bias Current Operational Amplifier	AD8671ARZ	SMD 114-3298	3.30	2.84	2.27	– –	– –
8691	ADI	5	SC70	Single, Low Noise, Rail-to-Rail Output CMOS Op Amp	AD8691AKSZ-R2	SMD 107-8265	2.32	1.94	1.55	– –	– –
8691	ADI	5	TSOT	Single, Low Noise, Rail-to-Rail Output CMOS Op Amp	AD8691AUJZ-R2	SMD 107-8266	2.32	1.94	1.55	– –	– –
8692	AD	8	SOIC	Low Cost, Low Noise, CMOS Rail-to-Rail Output Op Amp	AD8692ARZ	SMD 907-9394	2.28	1.94	1.55	– –	– –
9000	MAX	8	SOIC	Low-Power, Single Supply, Operational Amp. + Comparator +Reference combination	MAX9000EUA+	SMD 972-4036	7.86	6.01	4.61	– –	– –
9631	ADI	8	DIL	320MHz Ultra Low Distortion Operational Amp	AD9631ANZ	107-9418	13.72	11.43	9.14	– –	– –
10502	TI	8	SOIC	OP AMP, FEEDBACK	SN10502D	SMD 845-1982	4.40	3.37	2.48	2.14	– –
33171	ST	8	DIL	Low Power, Single Supply, Operational Amp	MC33171N.	504-907▲	1.85	1.42	1.08	0.95	– –
33171	ST	8	DIL	Low Power, Single Supply, Operational Amp	MC33171N	109-4318	1.85	1.42	1.08	0.95	– –
33171	ON	8	DIL	Low Power, Single Supply, Operational Amp	MC33171PG	966-4955	2.28	2.07	2.02	1.91	– –
33201	ON	8	SOIC	Single Supply Rail-to-Rail Input and Output Operational Amp	MC33201DG	SMD 966-6656	2.20	1.83	1.47	1.10	– –
33201	ON	8	DIL	Single Supply Rail-to-Rail Input and Output Operational Amp	MC33201PG	966-6664	2.05	1.85	1.75	1.62	– –

Dual

414163

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
27	TI	8	SOIC	OP AMP, RAIL-RAIL, Single Without Shutdown	TLV27L2ID	SMD 845-5376	2.44	1.87	1.38	1.19	– –
72	ST	8	SOIC	Dual, Wideband, Rail-to-Rail Video Op Amp	TSH72CD	SMD 108-6950	3.31	2.53	1.94	1.70	– –
72	ST	8	TSSOP	Wide Band, Low Power Operational Amplifier With Standby Function	TSH72CPT	SMD 109-4971	3.19	2.64	2.21	1.89	– –
72	TI	8	SOIC	OP AMP, RRIO Dual	TLC072AIDG4	SMD 120-7279	3.47	2.66	1.96	1.69	– –
82	ST	8	SOIC	Dual, Wideband, Rail-to-Rail Op Amp	TSH82ID	SMD 108-6956	3.22	2.46	1.88	1.65	– –
82	ST	8	TSSOP	Wide Band, Rail-to-Rail Operational Amplifierwith Standby Function	TSH82IPT	SMD 109-4977	3.12	2.34	2.02	1.89	– –
82	TI	8	SOIC	OP AMP, RRIO Dual	TLC082CD	SMD 845-3713	3.27	2.51	1.85	1.59	– –
101	ST	8	DIL	Dual, Op-Amp with Ored output, Voltage Reference and Current generator	TSM101CN.	101-527▲	1.37	1.05	0.79	0.67	– –
101	TI	8	SOIC	OP AMP, Logarithmic	LOG101AIDE4	SMD 120-6918	22.69	19.49	16.81	15.12	– –
112	ST	8	SOIC	Dual, Low Noise, Large Bandwidth Op Amp	TSH112ID	SMD 108-6937	3.39	2.80	2.34	1.76	– –
112	ST	8	TSSOP	Wide Band, Low Noise Operational Amplifier	TSH112IPT	SMD 109-4961	3.39	2.80	2.34	1.76	– –
158	NSC	8	TO-5	Dual, Low Power Operational Amp. (MIL TEMP)	LM158H	121-6157	9.74	7.08	5.31	– –	– –
200	ADI	8	DIL	Dual, Low Offset, Low Power Operational Amp. (improved OP07)	OP200GPZ	960-4715	8.19	6.54	5.46	– –	– –
204	ST	8	DIL	Dual, High Performance Operational Amp. with frequency and phase compensation	LS204CN.	791-210▲	3.30	2.52	1.93	1.69	– –
204	ST	8	DIL	Dual, High Performance Operational Amp. with frequency and phase compensation	LS204CN	121-8319	4.15	3.18	2.73	1.98	– –
213	ADI	8	SOIC	Dual, Low Noise, Single Supply Operational Amp	OP213FSZ	SMD 942-6272	5.82	4.86	3.72	– –	– –
213	ADI	8	DIL	Dual, Low Noise, Single Supply Operational Amp	OP213FPZ	960-5355	5.82	4.86	3.72	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
ON	8	SOIC	Dual, Low Power, Single Supply, Operational Amp. (IND TEMP)	LM258DG	SMD 121-1094 ●	1.11	0.81	0.65	– –	– –
TI	8	SOIC	Dual Operational Amplifier	LM258D	SMD 229-2695 ●	0.43	0.37	0.26	– –	– –
FCH	8	DIL	Dual Operational Amp	KA258	347-6844 ▲	0.78	0.57	0.50	0.42	– –
FCH	8	SOIC	Dual, Operational Amplifier	KA258D	SMD 347-6856 ▲	0.78	0.61	0.54	0.46	– –
ON	8	DIL	Dual, Low Power, Single Supply, Operational Amp. (IND TEMP)	LM258NG	966-5412 ●	1.00	0.76	0.57	0.36	– –
ADI	8	SOIC	15 MHz Rail-to-Rail Operational Amplifier, Dual	OP262GSZ	SMD 999-4416 ●	6.36	5.07	3.75	– –	– –
ADI	8	DIL	Dual, Low Noise, Precision Operational Amp. (Ceramic)	OP270FZ	399-450 ▲	15.60	13.52	10.82	– –	– –
ADI	8	DIL	Dual, Very Low Noise, Precision Operational Amp. (Ceramic)	OP270EZ	318-2411 ▲	20.79	17.56	14.04	– –	– –
ADI	8	DIL	Dual, Low Noise, Precision Operational Amp	OP270GPZ	960-4723 ●	8.10	6.24	4.98	– –	– –
ST	8	DIL	Dual, Power Operational Amp. - 1A output, 4V to 28V supply,350kHz bandwidth	L272M	109-4205 ●	3.87	2.96	2.26	1.99	– –
TI	8	VSSOP	OP AMP, RAIL-RAIL Single Supply	TLV272IDGKG4	SMD 120-7294 ●	1.88	1.50	1.18	0.82	– –
TI	8	SOIC	OP AMP, RAIL-RAIL, Dual	TLC272AID	SMD 845-4159 ●	1.88	1.35	1.01	0.68	– –
TI	8	SOIC	OP AMP, RAIL-RAIL, Dual	TLC272ID	SMD 845-4167 ●	1.80	1.29	0.97	0.65	– –
TI	8	SOIC	OP AMP, RAIL-RAIL Single Supply	TLV272ID	SMD 845-5279 ●	1.88	1.50	1.18	0.82	– –
TI	8	PDIP	OP AMP, RAIL-RAIL Single Supply	TLV272IP	845-5287 ●	1.88	1.50	1.18	0.82	– –
ADI	8	SOIC	Dual, Audio Bipolar JFET Operational Amp	OP275GSZ	SMD 942-6280 ●	2.37	2.04	1.80	– –	– –
TI	8	SOIC	OP AMP, Dual	TLC277CD	SMD 845-4183 ●	3.47	2.66	1.96	1.69	– –
TI	8	PDIP	OP AMP, Dual	TLC277CP	845-4191 ●	3.47	2.66	1.96	1.69	– –
ADI	8	SOIC	Rail-to-Rail High Output Current Operational Amplifier	OP279GSZ	SMD 999-4424 ●	3.78	3.12	2.34	– –	– –
ADI	8	SOIC	Dual Precision Rail-to-Rail Input & Output Operational Amplifier	OP284FSZ	SMD 999-4378 ●	8.31	6.39	5.34	– –	– –
ADI	8	DIL	Dual, Precision Low Voltage, Micropower Operational Amp	OP290GPZ	960-4731 ●	8.43	7.05	5.37	– –	– –
ADI	8	SOIC	Dual, Operational Amplifier, Rail-to-Rail	OP295GSZ	SMD 960-5185 ●	5.49	4.64	3.71	– –	– –
ADI	8	SOIC	Dual, Operational Amplifier, Low Bias Current Precision	OP297GSZ	SMD 942-6299 ●	6.09	4.86	4.08	– –	– –
ADI	8	DIL	Dual, Low Bias Current, Precision Operational Amp. (improved OP297GP).	OP297FPZ	960-4740 ●	8.28	6.60	5.52	– –	– –
ADI	8	DIL	Dual, Low Bias Current, Precision Operational Amp	OP297GPZ	960-4758 ●	6.27	5.13	4.14	– –	– –
NSC	8	TO-5	Dual, Low Power, Single Supply, Operational Amp	LM358H	399-553 ▲	8.61	6.26	4.69	– –	– –
ST	8	DIL	Dual, Low Power, Single Supply, Operational Amp	LM358N.	399-589 ▲‡	0.62	0.47	0.35	0.30	– –
FCH	8	DIL	Dual, Low Power, Single Supply, Operational Amp	KA358A	101-3813 ●	0.81	0.61	0.55	– –	– –
FCH	8	SOIC	Dual, Low Power, Single Supply, Operational Amp	KA358D	SMD 101-3831 ●	0.78	0.52	0.43	– –	– –
TI	8	SOIC	Dual, Rail-to-Rail Output, Low Voltage, Low Power Op Amp.	LPV358IDE4	SMD 105-3623 ●	1.52	1.22	0.97	0.66	– –
TI	8	SOIC	Dual, Rail-to-Rail Output, Low Voltage, Low Power Op Amp.	LPV358DE4	SMD 105-3628 ●	1.47	1.17	0.94	0.64	– –
TI	8	SOIC	Dual low voltage rail to rail output operational amplifier	LMV358ID	SMD 110-5913 ●	1.56	1.12	0.84	0.56	– –
FCH	8	DIL	Dual, Low Power, Single Supply, Operational Amp	KA358	120-9531 ●	1.01	0.72	0.62	– –	– –
ON	8	SOIC	Dual, Low Power, Single Supply, Operational Amp	LM358DG	SMD 121-1106 ●	0.94	0.50	0.49	– –	– –
ON	8	DIL	Dual, Low Power, Single Supply, Operational Amp	LM358NG	121-1132 ●	0.94	0.54	0.49	– –	– –
TI	8	DIL	Dual General-Purpose Operational Amplifier	LM358P	229-4011 ●	0.37	0.31	0.22	– –	– –
SAM	8	DIL	Dual, Low Power, Single Supply, Operational Amp	KA358A.	345-8076 ▲‡	0.81	0.61	0.55	– –	– –
FCH	8	SOIC	Dual, Low Power, Single Supply, Operational Amp	KA358D.	SMD 347-6911 ▲‡	0.78	0.52	0.43	– –	– –
TI	8	SOIC	Dual General-Purpose Operational Amplifier	LM358AD	SMD 752-7007 ●	0.43	0.34	0.25	– –	– –
NSC	8	Bump Micro SMD	Low Power Dual Operational Amplifiers	LM358TP	SMD 823-8650 ●	1.89	1.30	0.94	– –	– –
TI	8	TSSOP	Dual General-Purpose Operational Amplifier	LM358PW	SMD 838-9250 ●	0.88	0.67	0.50	0.32	– –
NSC	8	SOIC	Dual, Rail-to-Rail Output Amp (Low Voltage version of LM358)	LMV358M	SMD 930-6730 ●	1.89	1.30	0.94	– –	– –
NSC	8	SOIC	Dual, Low Power, Single Supply, Operational Amp	LM358AM	SMD 948-6801 ●	1.89	1.30	0.94	– –	– –
NSC	8	DIL	Dual, Low Power, Single Supply, Operational Amp	LM358AN	948-6810 ●	1.97	1.38	1.00	– –	– –
NSC	8	SOIC	Dual, Low Power, Single Supply, Operational Amp	LM358M	SMD 948-6828 ●	1.83	1.26	0.91	– –	– –
NSC	8	DIL	Dual, Low Power, Single Supply, Operational Amp	LM358N	948-6836 ●	1.97	1.36	0.98	– –	– –
ST	8	DIL	Dual, Low Power, Single Supply, Operational Amp	LM358N	975-5900 ●	0.62	0.47	0.35	0.30	– –
MAX	8	SOIC	Dual, Single Supply Operational Amp. with 1.2µA max. Quiescent current per Amp	MAX407CSA+	SMD 118-8052 ●	15.64	11.96	9.18	– –	– –
NSC	10	MSOP	Dual Rail-to-Rail Output Operational Amplifier with Power Select	LMV422MM	SMD 100-8282 ●	5.60	4.07	3.05	– –	– –
NSC	8	SOIC	Dual, similar to LM358 with intergrated LMV431 based 2.5V fixed reference.	LM432MA.	SMD 355-0497‡	2.43	1.70	1.21	– –	– –
NSC	8	SOIC	Dual, similar to LM358 with intergrated LMV431 based 2.5V fixed reference.	LM432MA	SMD 948-6496 ●	2.43	1.70	1.21	– –	– –
ST	8	SOIC	Dual, Rail-to-Rail, Low Noise, High output swing Op. Amp.	TS462CD	SMD 109-4376 ●	1.32	1.01	0.79	0.68	– –
ST	8	DIL	Dual, Rail-to-Rail, Low Noise, High output swing Op. Amp	TS462CN	109-4377 ●	1.35	1.03	0.80	0.69	– –
ST	8	DIL	Dual, Rail-to-Rail, Low Noise, High output swing Op. Amp	TS462CN.	332-9264 ▲	1.32	1.01	0.79	0.68	– –
MAX	8	DIL	Dual, 10MHz, Single Supply Operational Amp	MAX474CPA+	118-8002 ●	9.20	7.04	5.40	– –	– –
MAX	8	SOIC	Dual, Low Power Single Supply Op. amp., 17µA supply current	MAX478CSA	SMD 498-269 ▲‡	10.54	8.07	6.19	– –	– –
MAX	8	SOIC	Dual, Low Power Single Supply Op. amp., 17µA supply current	MAX478CSA+	SMD 972-5865 ●	10.54	8.07	6.19	– –	– –
MAX	8	DIL	Dual, Micropower, Single Supply Rail-to-Rail Operational Amp	MAX492CPA+	118-8003 ●	9.20	7.04	5.40	– –	– –
MAX	8	SOIC	Dual, Micropower, Single Supply Rail-to-Rail Operational Amp	MAX492CSA	SMD 490-4990 ▲‡	10.81	8.27	6.35	– –	– –
MAX	8	SOIC	Dual, Micropower, Single Supply Rail-to-Rail Operational Amp	MAX492CSA+	SMD 972-5636 ●	10.81	8.27	6.35	– –	– –
ST	8	DIL	Dual, High Speed, Precision Operational Amp (IND TEMP)	TS512IN.	101-540 ▲	1.86	1.42	1.09	0.95	– –
ST	8	DIL	Dual, High Speed, Precision Operational Amp (IND TEMP)	TS512IN	109-4380 ●	1.91	1.46	1.12	0.98	– –
NSC	8	SOIC	Dual, Single Supply, Rail-to-Rail Output, CMOS Operational Amp., Input bias Current=2fA, Vos=3mV (EXTD TEMP)	LMC662AIM.	SMD 955-267‡	4.00	2.92	2.13	– –	– –
NSC	8	SOIC	Dual, Single Supply, Rail-to-Rail Output, CMOS Operational Amp., Input bias Current=2fA, Vos=3mV (EXTD TEMP)	LMC662AIM	SMD 949-4782 ●	4.00	2.92	2.13	– –	– –
ADI	8	SOIC	Dual, Bipolar Current Operational Amp.	AD706ARZ	SMD 942-6230 ●	6.75	5.43	4.62	– –	– –
ADI	8	DIL	Dual, Very High Precision, Ultra Low Offset, Operational Amp	AD708JNZ	960-4766 ●	10.92	6.84	5.46	– –	– –
NSC	8	MSOP	Dual, 10MHz, Low Noise, Low Voltage, Low Power Op. Amp.	LMV722MM.	SMD 315-1207‡	3.82	2.76	1.97	– –	– –
NSC	8	SOIC	Dual, 10MHz, Low Noise, Low Voltage, Low Power Op. Amp.	LMV722M	SMD 948-6321 ●	3.82	2.76	1.97	– –	– –
NSC	8	MSOP	Dual, 10MHz, Low Noise, Low Voltage, Low Power Op. Amp.	LMV722MM	SMD 977-8519 ●	3.82	2.76	1.97	– –	– –
ADI	8	SOIC	Precision Dual Rail-to-Rail Output Single Supply Amplifer.	OP727ARZ	SMD 999-4432 ●	4.80	3.84	3.21	– –	– –
TI	14	DIL	Dual General-Purpose Operational Amplifier	UA747CNG4	959-4590 ●	2.75	2.11	1.55	1.34	– –
NSC	8	SOIC	Dual, 3.5MHz, Low Offset, Low Noise, RRO Op Amp	LMV772MA	SMD 818-7657 ●	3.40	2.41	1.76	– –	– –
NSC	8	MSOP	Dual, 3.5MHz, Low Offset, Low Noise, RRO Op Amp	LMV772MM	SMD 818-7665 ●	3.40	2.41	1.76	– –	– –
TI	8	SOIC	Dual, Rail-to-Rail Output, Low Voltage, Low Power Op Amp.	LMV822IDE4	SMD 105-3745 ●	1.88	1.50	1.18	0.82	– –
TI	8	SOIC	Dual, Rail-to-Rail Output, Low Voltage, Low Power Op Amp.	LMV822DE4	SMD 105-3750 ●	1.52	1.22	0.97	0.66	– –
ADI	8	DIL	Dual, High Speed, Low Power, Operational Amp. (Dual AD847JN)...	AD827JNZ	960-3662 ●	16.29	13.65	10.41	– –	– –
ST	8	DIL	Dual, Rail-to-Rail I/O, High output current (80mA) Op. Amp., 4MHz	TS922IN	109-4390 ●	2.43	1.86	1.42	1.25	– –
ST	8	TSSOP	Dual, Rail-to-Rail I/O, High output current (80mA) Op. Amp., 4MHz	TS922IPT.	SMD 113-1996 ●	3.24	2.48	1.90	1.67	– –
ST	8	SOIC	Dual, Rail-to-Rail, Micropower (20µA/amp.) Op. Amp.	TS932ID	SMD 109-4396 ●	2.82	2.16	1.65	1.45	– –
ST	8	DIL	Dual, Rail-to-Rail, Micropower (20µA/amp.) Op. Amp	TS932IN.	332-9392 ▲	2.82	2.16	1.65	1.45	– –
ST	8	SOIC	Dual, Rail-to-Rail, Single Supply, Micropower (1.2µA/amp.) Op.Amp.	TS942ID	SMD 109-4400 ●	3.99	3.05	2.33	2.05	– –
ST	8	SO	Dual, Low Power, Rail-to-Rail, I/O, Op. Amp., 3MHz	TS952ID	SMD 109-4405 ●	2.71	2.08	1.58	1.39	– –
ST	8	DIL	Dual, Low Power, Rail-to-Rail, I/O, Op. Amp., 3MHz	TS952IN	109-4406 ●	2.49	1.91	1.46	1.28	– –
ST	8	SOIC	Dual, Low Power, Rail-to-Rail, I/O, Op. Amp., 3MHz	TS952ID.	SMD 332-6329 ▲	2.64	2.02	1.54	1.36	– –
ST	8	TSSOP	Dual, Low Power, Rail-to-Rail, I/O, Op. Amp., 3MHz	TS952IPT.	SMD 332-6433 ▲‡	2.64	2.02	1.54	1.36	– –
ST	8	TSSOP	Dual, Low Power, Rail-to-Rail, I/O, Op. Amp., 3MHz	TS952IPT	SMD 975-5691 ●	2.64	2.02	1.54	1.36	– –
ST	8	SOIC	Dual, Rail-to-Rail, Low Noise, 12MHz Op. Amp.	TS972ID	SMD 109-4409 ●	1.70	1.30	1.01	0.87	– –
ST	8	TSSOP	Dual, Rail-to-Rail, Low Noise, 12MHz Op. Amp.	TS972IPT	SMD 109-4410 ●	1.70	1.30	1.01	0.87	– –
ST	8	DIL	Dual, Rail-to-Rail, Low Noise, 12MHz Op. Amp	TS972IN	332-9525 ▲	1.65	1.26	0.98	0.85	– –
ST	8	TSSOP	Dual, Rail-to-Rail, Low Noise, 12MHz Op. Amp.	TS972IPT.	SMD 332-9537 ▲	1.65	1.26	0.98	0.85	– –
1013LT	8	DIL	Dual, Low Power, Precision Operational Amp	LT1013CN8	399-681 ▲	8.88	5.67	4.63	– –	– –
1013LT	8	SOIC	Dual, Low Power, Precision Operational Amp	LT1013DS8	SMD 528-079 ▲	8.90	5.68	4.64	– –	– –
1013LT	8	DIL	Dual Precision, Op Amp	LT1013DN8	476-6957 ▲	7.50	5.97	5.19	– –	– –
1013LT	8	DIL	Dual, Low Power, Precision Operational Amp	LT1013CN8#PBF	955-9280 ●	8.88	5.67	4.63	– –	– –
1013LT	8	DIL	Dual Precision, Op Amp	LT1013DN8#PBF	955-9299 ●	6.84	4.39	3.57	– –	– –
1013LT	8	SOIC	Dual, Low Power, Precision Operational Amp	LT1013DS8#PBF	SMD 955-9302 ●	8.90	5.68	4.64	– –	– –
1013TI	8	DIL	Dual Precision Low-Power Operational Amplifier	LT1013CPG4	958-9740 ●	3.84	2.94	2.16	1.87	– –
1013TI	8	SOIC	Dual Precision Operational Amplifier	LT1013DDG4	SMD 958-9759 ●	3.62	2.77	2.04	1.76	– –
1078LT	8	DIL	Dual, Low Power, Single Supply, Precision Operational Amp	LT1078CN8	246-610 ▲	11.12	7.10	5.80	– –	– –
1078LT	8	SOIC	Dual, Micropower Single Supply Operational Amplifier	LT1078S8	SMD 386-2215 ▲	14.46	9.22	7.54	– –	– –
1078LT	8	DIL	Dual, Low Power, Single Supply, Precision Operational Amp	LT1078CN8#PBF	955-9680 ●	11.12	7.10	5.80	– –	– –
1078LT	8	SOIC	Dual, Micropower Single Supply Operational Amplifier	LT1078S8#PBF	SMD 955-9698 ●	14.46	9.22	7.54	– –	– –
1112LT	8	DIL	Dual, Low Power, Precision Operational Amp	LT1112CN8	569-082 ▲	9.14	5.83	4.77	– –	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1112LT	8	DIL	Dual Low-Power Precision Picoamp input Op Amp	LT1112ACN8#PBF	113-6611	12.24	7.84	6.38	– –	– –
1112LT	8	DIL	Dual Low-Power Precision Picoamp input Op Amp	LT1112ACN8	386-2021	13.37	8.53	6.97	– –	– –
1112LT	8	SOIC	Dual Low-Power Precision Picoamp input Op Amp	LT1112S8	SMD 386-2100	10.84	6.92	5.65	– –	– –
1112LT	8	DIL	Dual, Low Power, Precision Operational Amp	LT1112CN8#PBF	955-9990	9.14	5.83	4.77	– –	– –
1112LT	8	SOIC	Dual Low-Power Precision Picoamp input Op Amp	LT1112S8#PBF	SMD 956-0009	10.84	6.92	5.65	– –	– –
1229LT	8	SOIC	Dual Current Feedback Amplifier	LT1229CS8	SMD 476-7354	14.67	12.48	10.74	– –	– –
1229LT	8	SOIC	Dual Current Feedback Amplifier	LT1229CS8#PBF	SMD 956-0343	15.17	9.72	7.91	– –	– –
1259LT	14	DIL	Dual, 130MHz Current Feedback Amp. with Shutdown	LT1259CN	569-148	9.66	6.17	5.04	– –	– –
1259LT	14	DIL	Dual, 130MHz Current Feedback Amp. with Shutdown	LT1259CN#PBF	113-6639	9.03	5.79	4.71	– –	– –
1352LT	8	DIL	Dual, 3MHz Operational Amp	LT1352CN8	796-323	14.63	9.33	7.62	– –	– –
1352LT	8	DIL	Dual, 3MHz Operational Amp	LT1352CN8#PBF	956-0416	14.63	9.33	7.62	– –	– –
1355LT	8	DIL	Dual 12MHz,400V/µs operational Amplifier	LT1355CN8	386-2185	15.48	9.92	8.10	– –	– –
1355LT	8	DIL	Dual 12MHz,400V/µs operational Amplifier	LT1355CN8#PBF	956-0424	15.55	9.92	8.10	– –	– –
1361LT	8	DIL	Dual 50MHz, 800V/µs Operational Amplifier	LT1361CN8	386-2197	14.04	9.05	7.39	– –	– –
1361LT	8	DIL	Dual 50MHz, 800V/µs Operational Amplifier	LT1361CN8#PBF	956-0459	14.18	9.05	7.39	– –	– –
1366LT	8	DIL	Dual, Precision Rail-to-Rail Input and Output Operational Amp	LT1366CN8	569-100	14.46	9.22	7.54	– –	– –
1366LT	8	DIL	Dual, Precision Rail-to-Rail Input and Output Operational Amp	LT1366CN8#PBF	956-0475	14.46	9.22	7.54	– –	– –
1458NSC	8	TO-5	Dual, Compensated Operational Amp. - (Two 741s)	LM1458H.	399-693	8.77	6.38	4.78	– –	– –
1458NSC	8	SOIC	Dual, Compensated Operational Amp. - (Two 741s)	LM1458M.	SMD 399-700‡	1.83	1.26	0.91	– –	– –
1458TI	8	DIL	Dual, Compensated Operational Amp. - (Two 741s)	MC1458P	110-3044	1.08	0.82	0.62	0.39	– –
1458NSC	8	TO-5	Dual, Compensated Operational Amp. - (Two 741s)	LM1458H	121-6158	8.77	6.38	4.78	– –	– –
1458FCH	8	DIL	Dual, Operational Amp	KA1458	347-6819	0.68	0.57	0.50	0.42	– –
1458NSC	8	SOIC	Dual, Compensated Operational Amp. - (Two 741s)	LM1458M	SMD 948-6844	1.83	1.26	0.91	– –	– –
1458NSC	8	DIL	Dual, Compensated Operational Amp. - (Two 741s)	LM1458N	948-6852	1.93	1.35	0.98	– –	– –
1458TI	8	SOIC	Dual General-Purpose Operational Amplifier	MC1458D	SMD 958-9821	1.08	0.80	0.60	0.40	– –
1490LT	8	DIL	Dual, Micropower Rail to Rail Input and Output Operational Amplifier	LT1490ACN8	386-2318	8.34	5.32	4.35	– –	– –
1490LT	8	DIL	Dual, Micropower Rail to Rail Input and Output Operational Amplifier (IND TEMP)	LT1490AIN8	386-2320	9.78	6.39	5.22	– –	– –
1490LT	8	DIL	Dual, Micropower Rail to Rail Input and Output Operational Amplifier	LT1490ACN8#PBF	956-0530	8.34	5.32	4.35	– –	– –
1490LT	8	DIL	Dual, Micropower Rail to Rail Input and Output Operational Amplifier (IND TEMP)	LT1490AIN8#PBF	956-0548	10.01	6.39	5.22	– –	– –
1558NSC	8	TO-5	Dual, Compensated Operational Amp.	LM1558H.	399-759	8.77	6.38	4.78	– –	– –
1558NSC	8	TO-5	Dual, Compensated Operational Amp.	LM1558H	121-6159	8.77	6.38	4.78	– –	– –
1852ST	8	SOIC	Dual, Micropower, 1.8V, 120µA/amp., Rail-to-Rail I/O, Op. Amp.	TS1852ID	SMD 109-4360	3.22	2.47	1.88	1.66	– –
1852ST	8	DIL	Dual, Micropower, 1.8V, 120µA/amp., Rail-to-Rail I/O, Op. Amp	TS1852IN	109-4362	3.22	2.47	1.88	1.66	– –
1852ST	8	DIL	Dual, Micropower, 1.8V, 120µA/amp., Rail-to-Rail I/O, Op. Amp	TS1852IN.	332-6391	3.16	2.42	1.84	1.62	– –
1852ST	8	SOIC	Dual, Micropower, 1.8V, 120µA/amp., Rail-to-Rail I/O, Op. Amp.	TS1852ID.	SMD 332-6421	3.16	2.42	1.84	1.62	– –
1872ST	8	SOIC	Dual, Low Power, 1.8V, 400µA, Rail-to-Rail I/O, Op. Amp.	TS1872ID	SMD 109-4363	3.57	2.73	2.09	1.84	– –
1872ST	8	DIL	Dual, Low Power, 1.8V, 400µA, Rail-to-Rail I/O, Op. Amp	TS1872IN	332-6524	3.50	2.68	2.04	1.80	– –
1872ST	8	SOIC	Dual, Low Power, 1.8V, 400µA, Rail-to-Rail I/O, Op. Amp.	TS1872ID.	SMD 332-6536	3.50	2.68	2.04	1.80	– –
2012NSC	8	MSOP	Dual, High Precision, Rail-to-Rail Output Operational Amplifier	LMP2012MM	SMD 100-8038	7.70	5.59	4.19	– –	– –
2022TI	8	SOIC	Dual, Low Power Operational Amp. Output current ±30mA. (IND TEMP)	TLE2022ID	SMD 110-2940	3.91	2.99	2.20	1.90	– –
2022TI	8	DIL	Dual, Low Power Operational Amp. Output current ±30mA. (IND TEMP)	TLE2022IPE4	113-5956	3.91	2.99	2.20	1.90	– –
2022TI	8	SOIC	Dual, Low Power Operational Amp. Output current ±30mA. (IND TEMP)	TLE2022ID.	SMD 305-5048	3.93	3.01	2.21	1.91	– –
2022TI	8	DIL	Dual, Low Power Operational Amp. Output current ±30mA. (IND TEMP)	TLE2022IP	305-5050	3.91	2.99	2.20	1.90	– –
2134TI	14	SOIC	OP AMP, Instrumentation Dual Differential Line Receiver	INA2134UA	SMD 121-2422	7.48	5.72	4.37	3.84	– –
2134TI	14	SOIC	OP AMP, Instrumentation Dual Differential Line Receiver	INA2134UA..	SMD 846-7137	6.94	5.31	4.06	3.57	– –
2142TI	8	PDIP	OP AMP, Dual	TLE2142CP	845-4779	4.15	3.18	2.34	2.02	– –
2142TI	8	SOIC	OP AMP, Dual	TLE2142ID	SMD 845-4787	4.44	3.55	2.62	2.26	– –
2177ADI	8	SOIC	Precision, Dual, Low Noise Low Input Bias Current Operational Amplifiers	OP2177ARZ	SMD 999-4238	4.50	3.60	3.00	– –	– –
2227TI	8	SOIC	OP AMP HIGH PRECISION Low Noise	OPA2227UE4	SMD 120-6936	14.86	11.37	9.42	8.40	– –
2227TI	8	SOIC	OP AMP HIGH PRECISION Low Noise	OPA2227UAE4	SMD 120-6937	7.74	5.92	4.52	3.98	– –
2227BB	8	DIL	Dual, Low Noise, High Precision Amp., 8MHz Bandwidth (IND TEMP)	OPA2227PA.	332-3791‡	7.74	5.92	4.52	3.98	– –
2228BB	8	DIL	Dual, Low Noise, High Precision Amp., 33MHz Bandwidth (IND TEMP)	OPA2228PA	109-7467	7.74	5.92	4.52	3.98	– –
2228TI	8	SOIC	OP AMP Dual HI SPD HI PREC Low Noise	OPA2228U	SMD 121-2433	14.86	11.37	9.42	8.40	– –
2228TI	8	SOIC	OP AMP Dual HI SPD HI PREC Low Noise	OPA2228UA	SMD 121-2434	7.74	5.92	4.52	3.98	– –
2228BB	8	DIL	Dual, Low Noise, High Precision Amp., 33MHz Bandwidth (IND TEMP)	OPA2228PA.	332-3808‡	6.89	5.27	4.03	3.54	– –
2228TI	8	SOIC	OP AMP Dual HI SPD HI PREC Low Noise	OPA2228U..	SMD 846-7587	12.73	9.74	8.07	7.20	– –
2228TI	8	SOIC	OP AMP Dual HI SPD HI PREC Low Noise	OPA2228UA.	SMD 846-7595	7.77	5.95	4.54	4.00	– –

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Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2234 TI	8	SOIC	OP AMP,Dual,Single Supply.	OPA2234UG4	SMD 120-6938	9.63	7.37	5.63	4.95	– –
2234 TI	8	SOIC	OP AMP,Dual,Single Supply.	OPA2234UA	SMD 121-2435	7.96	6.09	4.65	4.09	– –
2234 TI	8	SOIC	OP AMP,Dual,Single Supply.	OPA2234UA..	SMD 846-7617	6.99	5.35	4.08	3.59	– –
2241 TI	8	SOIC	OP AMP uPWR BIPOLAR Dual.	OPA2241UA	SMD 121-2437	8.36	6.40	4.88	4.30	– –
2241 TI	8	DIL	Dual, Micropower, Single Supply (25µA, 5Volt) Amp. (IND TEMP)...	OPA2241PAG4	121-4362	8.36	6.40	4.88	4.30	– –
2241 BB	8	DIL	Dual, Micropower, Single Supply (25µA, 5Volt) Amp. (IND TEMP)...	OPA2241PA	332-3810	8.36	6.40	4.88	4.30	– –
2241 TI	8	SOIC	OP AMP uPWR BIPOLAR Dual.	OPA2241UA..	SMD 846-7625	8.29	6.34	4.85	4.26	– –
2242 TI	8	SOIC	Op AMP, RAIL-RAIL I/O Dual	TLV2242ID	SMD 845-4949	4.20	3.22	2.37	2.05	– –
2244 BB	8	DIL	Dual, Micropower, Single Supply (40µA, 2.2V to 36V) Amp. (IND TEMP)	OPA2244PA	110-6189	4.20	3.22	2.37	2.05	– –
2244 TI	8	VSSOP	OP AMP Dual Single Supply.	OPA2244EA/250G4	SMD 120-6939	4.20	3.22	2.37	2.05	– –
2244 TI	8	SOIC	OP AMP,Dual Single Supply.	OPA2244UA	SMD 121-2438	4.20	3.22	2.37	2.05	– –
2244 BB	8	DIL	Dual, Micropower, Single Supply (40µA, 2.2V to 36V) Amp. (IND TEMP)	OPA2244PA.	332-3821	4.06	3.10	2.29	1.98	– –
2244 TI	8	SOIC	OP AMP,Dual Single Supply.	OPA2244UA..	SMD 846-7641	4.07	3.12	2.29	1.98	– –
2251 BB	8	DIL	Dual, Micropower, Single Supply (25µA, 2.7V to 36V) Rail-to-Rail Amp. (IND TEMP)	OPA2251PA	109-7468	8.58	6.56	5.01	4.41	– –
2251 BB	8	SOIC	Dual, Micropower, Single Supply (25uA, 2.7V to 36V) Rail-to-Rail Amp. (IND TEMP).	OPA2251UA	SMD 109-7505	8.58	6.56	5.01	4.41	– –
2251 BB	8	DIL	Dual, Micropower, Single Supply (25µA, 2.7V to 36V) Rail-to-Rail Amp. (IND TEMP)	OPA2251PA.	332-3833‡	8.70	6.66	5.08	4.47	– –
2251 BB	8	SOIC	Dual, Micropower, Single Supply (25uA, 2.7V to 36V) Rail-to-Rail Amp. (IND TEMP).	OPA2251UA.	SMD 353-5289‡	8.58	6.56	5.01	4.41	– –
2262 TI	8	PDIP	OP AMP, RAIL-RAIL Dual	TLC2262CP	845-3799	2.79	2.13	1.57	1.36	– –
2272 TI	8	SOIC	OP AMP, RAIL-RAIL Dual	TLC2272ACD	SMD 845-3802	3.03	2.32	1.71	1.48	– –
2272 TI	8	PDIP	OP AMP, RAIL-RAIL Dual	TLC2272ACP	845-4027	3.03	2.32	1.71	1.48	– –
2272 TI	8	PDIP	OP AMP, RAIL-RAIL Dual	TLC2272AIP	845-4035	3.27	2.51	1.85	1.59	– –
2272 TI	8	SOIC	OP AMP, RAIL-RAIL Dual	TLC2272CD	SMD 845-4043	2.79	2.13	1.57	1.36	– –
2272 TI	8	PDIP	OP AMP, RAIL-RAIL Dual	TLC2272CP	845-4051	2.79	2.13	1.57	1.36	– –
2272 TI	8	PDIP	OP AMP, RAIL-RAIL Dual	TLC2272IP	845-4060	3.03	2.32	1.71	1.48	– –
2277 BB	8	DIL	Dual, Precision Operational Amp with low offset voltage and drift(OP177 equiv.)	OPA2277PA.	102-234‡	6.91	5.28	4.04	3.55	– –
2277 BB	8	SOIC	Dual, Ultra-Precision Operational Amp with low offset voltage and drift (OP177 equiv.)	OPA2277UA	SMD 109-7451	6.91	5.28	4.04	3.55	– –
2277 TI	8	SOIC	OP AMP Dual High Precision	OPA2277U	SMD 121-2439	13.37	10.23	8.48	7.56	– –
2277 BB	8	SOIC	Dual, Ultra-Precision Operational Amp with low offset voltage and drift (OP177 equiv.)	OPA2277UA.	SMD 316-1468	6.86	5.25	4.01	3.52	– –
2277 TI	8	SOIC	OP AMP Dual High Precision	OPA2277U..	SMD 846-7650	13.13	10.05	8.32	7.42	– –
2335 TI	8	SOIC	OP AMP, Single Supply CMOS.	OPA2335AIDRG4	SMD 120-6940	7.04	5.39	4.11	3.62	– –
2336 TI	8	VSSOP	OP AMP ULTRA Low PWR CMOS	OPA2336E/250G4	SMD 120-6942	7.26	5.55	4.24	3.73	– –
2336 TI	8	VSSOP	OP AMP ULTRA Low PWR CMOS	OPA2336EA/250G4	SMD 120-6943	4.84	3.70	2.83	2.49	– –
2340 TI	8	VSSOP	OP AMP, Dual CMOS Single Supply.	OPA2340EA/250G4	SMD 120-6944	5.45	4.17	3.19	2.80	– –
2343 BB	8	SOIC	Dual, Single Supply, Rail-to-Rail Operational Amp	OPA2343UA.	SMD 117-316	4.20	3.22	2.37	2.05	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2343	BB	8	MSOP	Dual, Single Supply, Rail-to-Rail Operational Amp	OPA2343EA/250	SMD 109-7492 ●	4.20	3.22	2.37	2.05	– –
2343	BB	8	SOIC	Dual, Single Supply, Rail-to-Rail Operational Amp	OPA2343UA	SMD 110-6184	4.20	3.22	2.37	2.05	– –
2343	BB	8	MSOP	Dual, Single Supply, Rail-to-Rail Operational Amp	OPA2343EA/250.	SMD 334-8246‡	4.08	3.12	2.30	1.99	– –
2344	BB	8	DIL	Dual, Low Power, Single-Supply, Rail-to-Rail Operational Amp. (IND TEMP)	OPA2344PA	109-7496 ●	5.01	3.84	2.93	2.58	– –
2344	BB	8	SOIC	Dual, Low Power, Single-Supply, Rail-to-Rail Operational Amp. (IND TEMP)	OPA2344UA	SMD 110-6192 ●	5.01	3.84	2.93	2.58	– –
2344	BB	8	DIL	Dual, Low Power, Single-Supply, Rail-to-Rail Operational Amp. (IND TEMP)	OPA2344PA.	353-4844‡	4.99	3.82	2.92	2.57	– –
2344	BB	8	SOIC	Dual, Low Power, Single-Supply, Rail-to-Rail Operational Amp. (IND TEMP)	OPA2344UA.	SMD 353-4856	5.01	3.86	2.95	2.60	– –
2347	TI	8	SSOP	OP AMP, Dual UPWR SS RR	OPA2347EA/250G4	SMD 120-7096 ●	3.03	2.32	1.71	1.48	– –
2348	TI	8	SOIC	OP AMP, Dual, High Bandwidth, MicroPower, RR, 1MHZ	OPA2348AIDG4	SMD 120-7097 ●	3.27	2.51	1.85	1.59	– –
2348	TI	8	SSOP	OP AMP, Dual, High Bandwidth, MicroPower, RR, 1MHZ	OPA2348AIDCNTG4	SMD 120-7098 ●	3.27	2.51	1.85	1.59	– –
2350	TI	8	VSSOP	OP AMP,Dual RR	OPA2350EA/250G4	SMD 120-7898 ●	8.97	6.87	5.24	4.61	– –
2353	BB	8	MSOP	Dual, High Speed, Single Supply, Rail-to-Rail Operational Amp	OPA2353EA/250	SMD 109-7494 ●	7.13	5.45	4.16	3.66	– –
2353	BB	8	SOIC	Dual, High Speed, Single Supply Rail-to-Rail Op. Amp	OPA2353UA	SMD 110-6187 ●	7.13	5.45	4.16	3.66	– –
2353	BB	8	SOIC	Dual, High Speed, Single Supply Rail-to-Rail Op. Amp	OPA2353UA.	SMD 316-1511	6.80	5.20	3.97	3.50	– –
2353	BB	8	MSOP	Dual, High Speed, Single Supply, Rail-to-Rail Operational Amp	OPA2353EA.	SMD 334-8271‡	6.84	5.24	4.00	3.52	– –
2354	TI	8	HSOP	OP AMP,Dual, Single Supply	OPA2354AIDDA	SMD 121-2444 ●	5.01	3.84	2.93	2.58	– –
2354	TI	8	HSOP	OP AMP,Dual, Single Supply	OPA2354AIDDA..	SMD 846-7846	4.48	3.43	2.62	2.30	– –
2356	TI	8	SOIC	OP AMP,200MHZ GBW, Dual	OPA2356AID	SMD 121-2445 ●	6.29	4.81	3.68	3.23	– –
2356	TI	8	SOIC	OP AMP,200MHZ GBW, Dual	OPA2356AID.	SMD 846-7862	6.01	4.60	3.51	3.09	– –
2364	TI	8	SOIC	OP AMP,Single Supply RR	OPA2364AIDG4	SMD 120-7100 ●	4.64	3.55	2.62	2.26	– –
2364	TI	8	SOIC	OP AMP,Single Supply RR	OPA2364ID	SMD 121-2446 ●	5.94	4.54	3.47	3.05	– –
2364	TI	8	SOIC	OP AMP,Single Supply RR	OPA2364ID.	SMD 846-7889	6.33	4.84	3.70	3.25	– –
2372	TI	8	VSSOP	OP AMP, RAIL-RAIL I/O	TLV2372IDGKG4	SMD 120-7290 ●	2.54	1.94	1.43	1.24	– –
2372	TI	8	SOIC	OP AMP, RAIL-RAIL I/O	TLV2372ID	SMD 845-5023 ●	2.54	1.94	1.43	1.24	– –
2372	TI	8	PDIP	OP AMP, RAIL-RAIL I/O	TLV2372IP	845-5031 ●	2.54	1.94	1.43	1.24	– –
2374	TI	8	SOIC	OP AMP, Dual 6.5MHZ	OPA2374AIDG4	SMD 120-7101 ●	3.18	2.43	1.79	1.55	– –
2382	TI	8	SOIC	OP AMP, RAIL-RAIL I/O	TLV2382ID	SMD 845-5082 ●	3.71	2.84	2.09	1.81	– –
2402	TI	8	SOIC	OP AMP, RAIL-RAIL I/O Dual	TLV2402IDG4	SMD 120-7292 ●	4.40	3.37	2.57	2.26	– –
2452	TI	8	SOIC	OP AMP, RAIL-RAIL I/O Dual	TLV2452AID	SMD 845-5139 ●	4.20	3.22	2.37	2.05	– –
2462	TI	8	SOIC	OP AMP, RAIL-RAIL I/O Dual	TLV2462CD	SMD 845-5155 ●	3.71	2.84	2.09	1.81	– –
2544	TI	11	PFM	OP AMP, Power, Dual	OPA2544TG3	120-7103 ●	35.19	30.56	27.85	26.11	– –
2652	TI	8	SOIC	OP AMP, Dual HIGH SPEED	OPA2652U	SMD 846-7960	4.79	3.67	2.80	2.46	– –
2674	TI	14	SOIC	OP AMP Dual, High Speed, High Output	OPA2674I-14DG4	SMD 120-7105 ●	7.13	5.45	4.16	3.66	– –
2674	TI	8	SOIC	OP AMP Dual, High Speed, High Output	OPA2674IDG4	SMD 120-7107 ●	7.13	5.45	4.16	3.66	– –
2690	TI	8	SOIC	OP AMP Dual Wideband VFB	OPA2690IDG4	SMD 120-7108 ●	8.97	6.87	5.24	4.61	– –
2735	TI	8	SOIC	OP AMP Single-Supply CMOS	OPA2735AIDG4	SMD 120-7109 ●	8.80	6.73	5.14	4.52	– –
2772	TI	8	SOIC	OP AMP, RAIL-RAIL Dual, High Speed	TLV2772CD	SMD 845-5341 ●	4.20	3.22	2.37	2.05	– –
2822	TI	8	SOIC	OP AMP, Dual, HIGH SPD, Low Noise	OPA2822UG4	SMD 120-7112 ●	5.63	4.31	3.29	2.89	– –
2904	ST	8	TSSOP	Dual, Low Power, Operational Amp. (IND TEMP/TSSOP)	LM2904PT	SMD 109-4244 ●	1.87	1.34	1.08	0.81	– –
2904	ON	8	SOIC	Dual, Split or Single Supply, Operational Amp. (IND TEMP)	LM2904DG	SMD 121-1097 ●	1.01	0.57	0.53	– –	– –
2904	ON	8	DIL	Dual, Split or Single Supply, Operational Amp. (IND TEMP)	LM2904NG	121-1131 ●	1.04	0.57	0.53	– –	– –
2904	TI	8	SOIC	Dual General-Purpose Operational Amplifier	LM2904D	SMD 229-2907 ●	0.34	0.28	0.22	– –	– –
2904	TI	8	DIL	Dual General-Purpose Operational Amplifier	LM2904P	229-2920 ●	0.34	0.28	0.23	– –	– –
2904	ST	8	TSSOP	Dual, Low Power, Operational Amp. (IND TEMP/TSSOP)	LM2904PT.	SMD 302-4982 ▲	1.30	0.99	0.75	0.63	– –
2904	TI	8	TSSOP	Dual General-Purpose Operational Amplifier	LM2904PW	SMD 838-9217 ●	0.98	0.75	0.56	0.36	– –
2904	NSC	8	SOIC	Dual, Operational Amp	LM2904M	SMD 948-6860 ●	1.83	1.26	0.91	– –	– –
2904	NSC	8	DIL	Dual, Operational Amp	LM2904N	948-6879 ●	1.97	1.36	0.98	– –	– –
3061	TI	8	SOIC	OP AMP, Current Feedback Single	THS3061D	SMD 845-2962 ●	11.53	8.83	7.31	6.52	– –
3062	TI	8	SOIC	OP AMP, Current Feedback Dual	THS3062D	SMD 845-2970 ●	16.62	12.72	10.53	9.39	– –
3092	TI	8	SOIC	OP AMP, Current Feedback	THS3092D	SMD 845-3012 ●	15.25	11.67	9.67	8.62	– –
3202	TI	8	SOIC	OP AMP, Current Feedback 2.0GHZ	THS3202D	SMD 845-3080 ●	11.34	8.68	7.19	6.41	– –
3202	TI	8	VSSOP	OP AMP, Current Feedback 2.0GHZ	THS3202DGK	SMD 845-3098 ●	11.34	8.68	7.19	6.41	– –
3202	TI	8	HTSSOP	OP AMP, Current Feedback 2.0GHZ	THS3202DGN	SMD 845-3101 ●	11.34	8.68	7.19	6.41	– –
3702	TI	8	VSSOP	OP AMP, RAIL-RAIL Dual	TLV3702IDGKG4	SMD 120-7300 ●	4.40	3.37	2.48	2.14	– –
4012	TI	8	SOIC	OP AMP, 290-MHZ Dual	THS4012CD	SMD 845-3128 ●	10.34	7.91	6.04	5.31	– –
4012	TI	8	SOIC	OP AMP, 290-MHZ Dual	THS4012ID	SMD 845-3136 ●	10.78	8.25	6.30	5.54	– –
4016	MAX	8	SOIC	150MHz 3.3V/5V Operational amp with Rail-to-Rail outputs	MAX4016ESA+	SMD 972-5849 ●	5.79	4.43	3.40	– –	– –
4022	TI	8	SOIC	OP AMP, 350-MHZ Dual	THS4022ID	SMD 845-3160 ●	14.66	11.22	9.29	8.29	– –
4032	TI	8	SOIC	OP AMP, 100-MHZ	THS4032CD	SMD 845-3209 ●	10.17	7.78	6.44	5.75	– –
4032	TI	8	SOIC	OP AMP, 100-MHZ	THS4032ID	SMD 845-3217 ●	10.56	8.08	6.69	5.97	– –
4042	TI	8	SOIC	OP AMP, 165-MHZ Dual	THS4042CD	SMD 845-3225 ●	12.71	9.72	8.06	7.18	– –
4042	MAX	8	SOIC	Dual, Micropower Rail-to-Rail input/output Operational Amp. (IND TEMP)	MAX4042EUA+	SMD 972-3986 ●	3.95	3.02	2.32	– –	– –
4062	TI	8	SOIC	Dual 180MHz High Speed Operational Amplifier	THS4062CD	SMD 110-2963 ●	8.58	6.56	5.01	4.41	– –
4062	TI	8	SOIC	Dual 180MHz High Speed Operational Amplifier	THS4062CD.	SMD 355-5860	8.68	6.64	5.07	4.46	– –
4062	TI	8	SOIC	OP AMP, 180-MHZ Dual	THS4062ID	SMD 845-3233 ●	9.02	6.90	5.27	4.64	– –
4082	TI	8	SOIC	Dual, 175MHz Low-power, High Speed operational Amp. (0 to +70°C Temp. Range)	THS4082CDG4	SMD 121-4367 ●	8.36	6.40	4.88	4.30	– –
4082	TI	8	SOIC	Dual, 175MHz Low-power, High Speed operational Amp. (0 to +70°C Temp. Range)	THS4082CD	SMD 334-9410	8.36	6.40	4.88	4.30	– –
4222	TI	8	HTSSOP	OP AMP, RAIL-RAIL	THS4222DGN	SMD 845-3330 ●	8.36	6.40	4.88	4.30	– –
4253	MAX	10	SOIC	Dual, Low-Noise, Low-Distortion, Single Supply, Rail-to-Rail Operational Amp	MAX4253EUB+	SMD 972-4010 ●	6.97	5.33	4.09	– –	– –
4558	TI	8	DIL	Dual, High Performance Operational Amp	RC4558P..	399-875	1.67	1.33	1.07	0.73	– –
4558	TI	8	DIL	Dual, High Performance Operational Amp	RC4558P	110-6010 ●	0.89	0.69	0.47	0.32	– –
4558	TI	8	SOIC	Dual General-Purpose Operational Amplifier	RC4558D	SMD 958-9937 ●	0.89	0.69	0.47	0.32	– –
4850	ADI	16	LFCSP	Dual, High Speed, Rail-to-Rail Output Op Amp with Ultralow Power-Down	ADA4850-2YCPZ-R2	SMD 107-8232 ●	2.32	1.94	1.55	– –	– –
5532	TI	8	DIL	Dual NE5532, Internally Compensated Operational Amp	NE5532P..	563-596	2.34	1.86	1.46	1.02	– –
	TI	8	SOIC		NE5532AD	SMD 110-3060 ●	1.64	1.31	1.05	0.71	– –
5532	TI	8	DIL	Dual NE5532, Internally Compensated Operational Amp	NE5532AP	110-6091 ●	1.64	1.31	1.05	0.71	– –
5532	TI	8	DIL	Dual NE5532, Internally Compensated Operational Amp	NE5532P	110-6092 ●	1.56	1.12	0.84	0.56	– –
5532	FCH	8	DIL	Dual, High Performance, Low Noise Operational Amplifier	KA5532	347-6984 ▲	1.33	0.96	0.64	– –	– –
				Evaluation Board for the THS4062CD Operational Amplifier	THS4062EVM	355-5872	114.19	– –	– –	– –	– –
	TI	8	SOIC		NE5532AD.	471-0526	2.43	– –	– –	– –	– –
5532	TI	8	SOIC	Dual Low-Noise High-Speed Audio Operational Amplifier	NE5532D	SMD 958-9856 ●	1.56	1.12	0.84	0.56	– –
6042	NSC	8	SOIC	Dual, CMOS Micropower Operational Amp., Supply Current=10μA/amp., Vos=6mV max. (IND TEMP)	LMC6042IM.	SMD 954-718‡	4.37	3.18	2.32	– –	– –
6042	NSC	8	DIL	Dual, CMOS Micropower Operational Amp., Supply Current=10μA/amp., Vos=6mV max. (IND TEMP)	LMC6042IN.	954-720‡	4.43	3.18	2.32	– –	– –
6042	NSC	8	SOIC	Dual, CMOS Micropower Operational Amp., Supply Current=10μA/amp., Vos=6mV max. (IND TEMP)	LMC6042IM	SMD 949-4600 ●	4.37	3.18	2.32	– –	– –
6042	NSC	8	DIL	Dual, CMOS Micropower Operational Amp., Supply Current=10μA/amp., Vos=6mV max. (IND TEMP)	LMC6042IN	949-4618 ●	4.43	3.18	2.32	– –	– –
6132	NSC	8	DIL	Dual, High Speed, Low Power 7MHz Operational Amp. with Rail-to-Rail I/O	LM6132BIN.	705-100‡	5.19	3.77	2.83	– –	– –
6132	NSC	8	SOIC	Dual, Low-Power 10MHz Rail-to-Rail Input/Output Operational Amp. (IND TEMP)	LM6132AIM.	SMD 412-5824‡	6.67	4.85	3.64	– –	– –
6132	NSC	8	SOIC	Dual, Low Power 10MHz Rail-to-Rail Input/Output Operational Amp. (IND TEMP)	LM6132BIM	SMD 949-0019 ●	5.19	3.77	2.83	– –	– –
6132	NSC	8	SOIC	Dual, Low-Power 10MHz Rail-to-Rail Input/Output Operational Amp. (IND TEMP)	LM6132AIM	SMD 949-0043 ●	6.67	4.85	3.64	– –	– –
6132	NSC	8	DIL	Dual, High Speed, Low Power 7MHz Operational Amp. with Rail-to-Rail I/O	LM6132BIN	949-3980 ●	5.19	3.77	2.83	– –	– –
6142	NSC	8	DIL	Dual, High Speed, Low Power, 17MHz Rail-to-Rail, Input-Output Operational Amp	LM6142BIN.	526-307‡	8.88	6.69	5.01	– –	– –
6142	NSC	8	SOIC	Dual, High Speed, Low Power, 17MHz Rail-to-Rail, Input-Output Operational Amp. Vos=1V, Av=100. (IND TEMP)	LM6142AIM.	SMD 954-068‡	9.96	7.47	5.60	– –	– –
6142	NSC	8	DIL	Dual, High Speed, Low Power, 17MHz Rail-to-Rail, Input-Output Operational Amp	LM6142BIN	949-0515 ●	8.88	6.69	5.01	– –	– –
6142	NSC	8	SOIC	Dual, High Speed, Low Power, 17MHz Rail-to-Rail, Input-Output Operational Amp. Vos=1V, Av=100. (IND TEMP)	LM6142AIM	SMD 949-4561 ●	9.96	7.47	5.60	– –	– –
6142	NSC	8	SOIC	Dual, High Speed, Low Power, 17MHz Rail-to-Rail, Input-Output Operational Amp. Vos=2.5V, Av=80. (IND TEMP)	LM6142BIM	SMD 949-4570 ●	8.88	6.69	5.01	– –	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
6462	NSC	8	DIL	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp.	LMC6462BIN.	642-710‡	5.04	3.66	2.74	– –	– –
6462	NSC	8	DIL	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp., Supply Current=20μA/amp., Vos=0.5mV max. (IND TEMP)	LMC6462AIN.	954-561‡	6.08	4.42	3.31	– –	– –
6462	NSC	8	DIL	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp.	LMC6462BIN	949-3808●	5.04	3.66	2.74	– –	– –
6462	NSC	8	DIL	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp., Supply Current=20μA/amp., Vos=0.5mV max. (IND TEMP)	LMC6462AIN	949-4588●	6.08	4.42	3.31	– –	– –
6462	NSC	8	SOIC	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp., Supply Current=20μA/amp., Vos=0.5mV max. (IND TEMP)	LMC6462AIM	SMD 949-4715●	5.92	4.30	3.22	– –	– –
6626	NSC	8	SOIC	Dual/Ultra Low Noise Wideband Op Amp	LMH6626MA	SMD 818-0768●	9.26	6.93	5.19	– –	– –
6628	NSC	8	SOIC	Dual Wideband, Low Noise, Voltage Feedback Op Amp	LMH6628J-QML	SMD 823-8880●	153.76	140.32	130.77	– –	– –
6655	NSC	8	SOIC	Dual, Low Power, 250MHz Operational Amp.	LMH6655MA	SMD 949-0159●	5.97	4.34	3.25	– –	– –
6658	NSC	8	SOIC	270MHz Single Supply, Dual Amplifiers	LMH6658MA	SMD 818-0806●	5.64	4.04	2.95	– –	– –
6658	NSC	8	MSOP	270MHz Single Supply, Dual Amplifiers	LMH6658MM	SMD 818-0814●	5.64	4.04	2.95	– –	– –
6672	NSC	8	SOIC	Dual, high output current Operational Amp.	LMH6672MA.	SMD 412-5927‡	7.43	5.40	4.05	– –	– –
6672	NSC	8	SOIC	Dual, high output current Operational Amp.	LMH6672MA	SMD 949-0140●	7.43	5.40	4.05	– –	– –
6724	NSC	8	SOIC	370MHz Dual, 1mA Current Feedback Op Amp	LMH6724MA	SMD 818-0920●	8.13	5.95	4.46	– –	– –
8008	ADI	8	SOIC	Dual Low Distortion, High Speed Amp	AD8008ARZ	SMD 862-1470●	6.37	5.31	4.25	– –	– –
8012	ADI	8	SOIC	Dual, 350MHz Low Power Current Feedback Video Amp	AD8012ARZ	SMD 960-3719●	5.76	4.38	– –	– –	– –
8022	ADI	8	SOIC	Dual low noise, low distortion, high speed Amp	AD8022ARZ	SMD 862-1497●	4.80	4.53	– –	– –	– –
8032	ADI	8	DIL	Dual, 800μA/Amp., 80MHz, Rail-to-Rail, Input and Output Op. Amp.	AD8032ANZ	960-3972●	5.70	4.89	4.08	– –	– –
8039	ADI	8	SOIC	Dual Lo Power Voltage Feedback Amp.	AD8039ARZ	SMD 114-3211●	3.51	3.00	2.52	– –	– –
8052	ADI	8	SOIC	Dual, High Speed, Rail-to-Rail, 3V/5V or ±5V operated, Operational Amp	AD8052ARZ	SMD 942-5616●	5.13	4.28	3.42	– –	– –
8056	ADI	8	DIL	Dual, 300MHz Voltage Feedback Operational Amp with bandwidth and slew rate typical of Current Feedback Amps	AD8056ANZ	107-9308●	5.13	4.28	3.42	– –	– –
8062	ADI	8	SOIC	Dual, 300MHz Rail-to-Rail voltage feedback, Single Supply +2.7 to+8V, Op. Amp	AD8062ARZ	SMD 942-5837●	5.13	4.28	3.42	– –	– –
8272	NSC	8	MSOP	Dual Rail-to-Rail high output current Operational Amp.	LM8272MM.	SMD 412-5265‡	5.97	4.42	3.31	– –	– –
8272	NSC	8	MSOP	Dual Rail-to-Rail high output current Operational Amp.	LM8272MM	SMD 977-9183●	5.97	4.42	3.31	– –	– –
8397	ADI	8	SOIC-Epad	Dual, Rail-to-Rail Output, High Output Current Amplifier	AD8397ARDZ	SMD 107-8283●	4.83	4.41	– –	– –	– –
8397	ADI	8	SOIC	Dual, Rail-to-Rail Output, High Output Current Amplifier	AD8397ARZ	SMD 107-8284●	6.59	5.49	4.39	– –	– –
8527	ADI	8	SOIC	Low Voltage, High Slew Rate, Low Noise, 7 MHz Rail-to-Rail Op Amp, Dual.	AD8527ARZ	SMD 999-4254●	1.32	1.05	0.90	– –	– –
8552	ADI	8	SOIC	Dual, Zero-Drift, Single Supply, Rail-to-Rail, Input and Output Op.Amp., 700μA/Amp	AD8552ARZ	SMD 942-5845●	5.07	4.32	3.46	– –	– –
8572	ADI	8	SOIC	Dual, Zero-Drift, Single Supply, Rail-to-Rail, Input and Output Op.Amp., 750μA/Amp	AD8572ARZ	SMD 960-4022●	4.98	3.96	3.30	– –	– –
8607	ADI	8	SOIC	Precision Micropower Low Noise CMOS Rail-to-Rail Input/Output Operational Amplifier	AD8607ARZ	SMD 114-3290●	3.21	2.55	2.13	– –	– –
8616	ADI	8	SOIC	Precision 20 MHz CMOS Rail-to-Rail Input/Output Operational Amplifier	AD8616ARZ	SMD 114-3292●	3.75	3.20	2.56	– –	– –
8629	ADI	8	MSOP	Dual, Zero Drift, Single-Supply, Rail-to-Rail I/O Op Amp	AD8629ARMZ-R2	SMD 107-8277●	5.62	4.68	3.74	– –	– –
8652	ADI	8	MSOP	Dual, Low Noise, Low Distortion, Rail-to-Rail I/O,Precision CMOS Op Amp	AD8652ARMZ-R2	SMD 107-8268●	7.83	6.53	5.22	– –	– –
8672	ADI	8	SOIC	Precision, Very Low Noise, Low Input Bias Current Operational Amplifier	AD8672ARZ	SMD 114-3299●	5.37	4.29	3.60	– –	– –
8692	ADI	8	MSOP	Dual, Low Noise, Rail-to-Rail Output CMOS Op Amp	AD8692ARMZ-R2	SMD 107-8263●	2.92	2.43	1.94	– –	– –
8698	ADI	8	MSOP	Dual, Precision, Rail-to-Rail Output Op Amp.	AD8698ARMZ-R2	SMD 107-8259●	8.69	7.25	5.80	– –	– –
8698	ADI	8	SOIC	Dual, Precision, Rail-to-Rail Output Op Amp.	AD8698ARZ	SMD 107-8260●	7.29	6.08	4.86	– –	– –
33072	ON	8	DIL	Dual, High Performance Operational Amp. (AUTO TEMP)	MC33072PG	119-1841●	2.18	1.99	1.79	1.27	– –
33077	ON	8	SOIC	Dual, Low Noise Operational Amp. (IND TEMP)	MC33077DG	SMD 121-1116●	6.12	4.62	3.09	– –	– –
33172	ON	8	DIL	Dual, Low Power, Single Supply, Operational Amp.	MC33172PG	966-4963●	2.76	2.55	2.26	2.13	– –
33172	ON	8	SOIC	Dual, Low Power, Single Supply, Operational Amp.	MC33172DG	SMD 966-5307●	1.88	1.35	1.01	0.68	– –
33178	ON	8	DIL	Dual, High Output Current, Low Power, Low Noise Operational Amp. (AUTO TEMP)	MC33178PG	966-6818●	2.96	2.76	2.44	2.29	– –
33202	ON	8	SOIC	Dual, Single Supply Rail-to-Rail Input and Output Operational Amp.	MC33202DG	SMD 966-6672●	2.20	1.83	1.47	1.10	– –
33202	ON	8	DIL	Dual, Single Supply Rail-to-Rail Input and Output Operational Amp.	MC33202PG	966-6680●	2.11	1.91	1.80	1.66	– –
33272	ON	8	DIL	Dual, High Slew Rate Single Supply Operational Amp. (AUTO TEMP)	MC33272APG	966-6834●	3.53	3.27	2.90	2.74	– –
34072	ON	8	SOIC	Dual, High Performance Operational Amp	MC34072DG	SMD 966-4416●	1.88	1.35	1.01	0.68	– –
45048	ADI	8	SOIC	Rail-to-Rail Upstream ADSL Line Driver, Dual Op Amp	AD45048ARZ	SMD 107-8401●	7.34	6.12	4.90	– –	– –

Triple

414165

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
73	ST	14	SOIC	Triple, Wideband, Rail-to-Rail Video Op Amp with Standby.	TSH73CD	SMD 108-6951●	5.06	3.88	3.21	2.86	– –
73	ST	14	TSSOP	Triple, Wideband, Rail-to-Rail Video Op Amp with Standby.	TSH73CPT	SMD 108-6952●	5.31	3.97	3.42	3.19	– –
93	ST	14	SOIC	Triple, Low Power, High Speed Op Amp.	TSH93ID	SMD 108-6957●	4.92	4.30	3.19	2.93	– –
113	ST	14	SOIC	Triple, Low Noise, Large Bandwidth Op Amp with Standby.	TSH113ID	SMD 108-6938●	5.57	4.82	3.58	3.29	– –
113	ST	14	TSSOP	Wide Band, Low Noise Operational Amplifier	TSH113IPT	SMD 109-4962●	5.47	4.10	3.52	3.29	– –
3692	TI	16	SOIC	OP AMP, TRIPLE, FIXED GAIN	OPA3692IDG4	SMD 120-7055●	10.75	8.23	6.82	6.08	– –
6738	NSC	16	SSOP	Very Wideband, Low Distortion Triple Op Amp	LMH6738MQ	SMD 818-0970●	11.16	8.45	6.33	– –	– –

Quad

414166

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3	INTS	14	DIL	Quad, Operational Amp	HA3-4741-5	400-063	3.95	3.43	2.70	2.25	– –
11	ADI	14	DIL	Quad, Matched Operational Amp. - 741 type. Low offset voltage	OP11GPZ	960-4774●	7.35	5.85	4.89	– –	– –
74	ST	14	SOIC	Quad, Wideband, Rail-to-Rail Video Op Amp	TSH74CD	SMD 108-6953●	6.28	5.47	4.07	3.53	– –
74	ST	14	TSSOP	Wide Band, Low Power Operational Amplifier With Standby Function	TSH74CPT	SMD 109-4972●	5.50	4.13	3.55	3.32	– –
74	TI	14	SOIC	OP AMP, RRIO Quad	TLC074IDR	SMD 845-3683●	4.64	3.55	2.62	2.26	– –
75	ST	16	SOT	Wide Band, Low Power Operational Amplifier With Standby Function	TSH75CDT	SMD 109-4973●	5.70	4.30	3.68	3.42	– –
75	ST	16	TSSOP	Wide Band, Low Power Operational Amplifier With Standby Function	TSH75CPT	SMD 109-4974●	5.70	4.26	3.65	3.42	– –
94	ST	16	SOIC	Quad, Low Power, High Speed Op Amp with Standby	TSH94ID	SMD 108-6958●	6.15	5.34	3.97	3.71	– –
95	ST	16	SOIC	Quad, Low Power, High Speed Op Amp with Dual Standby	TSH95ID	SMD 108-6961●	5.70	4.72	4.07	3.78	– –
102	TI	14	SOIC	OP AMP, Logarithmic	LOG102AID	SMD 121-2428●	23.67	20.34	17.54	15.78	– –
102	TI	14	SOIC	OP AMP, Logarithmic	LOG102AID..	SMD 846-7307	24.28	20.86	17.99	16.18	– –
104	ST	16	DIL	Quad, Operational Amp. and programmable Voltage Ref. (IND TEMP).	TSM104IN..	163-119▲	1.53	1.17	0.91	0.78	– –
104	ST	16	DIL	Quad, Operational Amp. and programmable Voltage Ref. (IND TEMP).	TSM104IN.	113-1992●	1.92	1.47	1.26	0.92	– –
114	ST	14	SOIC	Quad, Low Noise, Large Bandwidth Op Amp	TSH114ID	SMD 108-6939●	5.73	4.95	3.68	3.35	– –
114	ST	14	TSSOP	Wide Band, Low Noise Operational Amplifier	TSH114IPT	SMD 109-4963●	5.63	4.23	3.61	3.39	– –
124	NSC	14	DIL	Quad, Operational Amp. (MIL TEMP)	LM124J	399-978▲	11.81	8.92	6.99	– –	– –
224	NSC	14	DIL	Quad, Operational Amp. (IND TEMP)	LM224J	400-105▲	11.81	8.92	6.99	– –	– –
224	ST	14	DIL	Quad, Operational Amp. (IND TEMP)	LM224N.	400-117▲‡	0.89	0.68	0.51	0.43	– –
224	ST	14	SOIC	Quad, Operational Amp. (IND TEMP)	LM224D.	SMD 702-572▲‡	1.05	0.80	0.60	0.51	– –
224	TI	14	DIL	Quad Operational Amplifier	LM224NE4	120-6831●	1.08	0.82	0.62	0.39	– –
224	ON	14	SOIC	Quad, Operational Amp. (IND TEMP)	LM224DG	SMD 121-1091●	1.11	0.81	0.65	– –	– –
224	ON	14	DIL	Quad, Operational Amp. (IND TEMP)	LM224NG	121-1137●	1.07	0.72	0.68	0.59	– –
224	FCH	14	DIL	Quad, Operational Amp	KA224	347-6820▲	0.75	0.57	0.50	0.42	– –
224	TI	14	SOIC	Quad Operational Amplifier	LM224AD	SMD 838-9152●	1.17	0.84	0.63	0.42	– –
224	TI	14	SOIC	Quad Operational Amplifier	LM224D	SMD 838-9160●	1.08	0.82	0.62	0.39	– –
224	ST	14	DIL	Quad, Operational Amp. (IND TEMP)	LM224N	975-5918●	0.89	0.68	0.51	0.43	– –
224	ST	14	SOIC	Quad, Operational Amp. (IND TEMP)	LM224D	SMD 975-6639●	1.05	0.80	0.60	0.51	– –
228	TI	8	SOIC	OP AMP Single Low Noise HI SPEED	OPA228U	SMD 121-2442●	9.81	7.51	5.73	5.04	– –
228	TI	8	SOIC	OP AMP Single Low Noise HI SPEED	OPA228UA	SMD 121-2443●	4.62	3.53	2.70	2.37	– –
228	TI	8	SOIC	OP AMP Single Low Noise HI SPEED	OPA228U.	SMD 846-7684	8.52	6.52	4.98	4.38	– –
228	TI	8	SOIC	OP AMP Single Low Noise HI SPEED	OPA228UA..	SMD 846-7692	4.40	3.37	2.57	2.26	– –
274	TI	14	SOIC	OP AMP, RAIL-RAIL, Quad	TLC274AID	SMD 845-4175●	1.70	1.36	1.08	0.74	– –
274	TI	14	SOIC	OP AMP, RAIL-RAIL, Single Supply	TLV274ID	SMD 845-5317●	2.23	1.78	1.40	0.97	– –
274	TI	14	PDIP	OP AMP, RAIL-RAIL, Single Supply	TLV274IN	845-5325●	2.23	1.78	1.40	0.97	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	1+	25+	100+	250+	+
							Price Each				
279	TI	14	SOIC	OP AMP, Quad	TLC279ID	SMD 845-4205	4.62	3.53	2.70	2.37	– –
324	NSC	14	SOIC	Quad, Operational Amp	LM324AM.	SMD 400-142‡	2.05	1.43	1.04	– –	– –
324	NSC	14	SOIC	Quad, Micropower Operational Amp.	LP324M.	SMD 400-210‡	2.15	1.50	1.09	– –	– –
324	TI	14	TSSOP	Quad, Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LPV324PWE4	SMD 105-3634	1.76	1.40	1.10	0.76	– –
324	TI	14	TSSOP	Quad, Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LPV324IPWG4	SMD 105-3639	2.23	1.78	1.40	0.97	– –
324	TI	14	SOIC	Quad, Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LPV324IDE4	SMD 105-3645	1.99	1.59	1.25	0.87	– –
324	TI	14	SOIC	Quad, Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LPV324DE4	SMD 105-3649	1.76	1.40	1.10	0.76	– –
324	TI	14	SOIC	Quad Low Voltage Rail-to-Rail O/P Operational Amp.	LMV324ID	SMD 110-2986	1.56	1.12	0.84	0.56	– –
324	ON	14	DIL	Quad, Operational Amp	LM324NG	119-0533	1.04	0.68	0.53	– –	– –
324	ON	14	SOIC	Quad, Operational Amp	LM324DG	SMD 121-1103	0.94	0.50	0.49	– –	– –
324	ON	14	DIL	Quad, Operational Amp	LM324ANG	121-4466	0.78	0.59	0.54	0.46	– –
324	TI	14	SOIC	Quad General-Purpose Operational Amplifier	LM324D	SMD 229-3547	0.37	– –	– –	– –	– –
324	ON	14	DIL	Quad, Operational Amp	LM324AN	334-3625	1.80	1.68	1.60	1.51	– –
324	TI	14	SOIC	Quad Low Voltage Rail-to-Rail O/P Operational Amp.	LMV324ID.	SMD 355-8575	1.68	1.34	1.07	0.73	– –
324	TI	14	SOIC	Quad General-Purpose Operational Amplifier	LM324AD	SMD 838-9233	0.98	0.75	0.56	0.36	– –
324	TI	14	TSSOP	Quad General-Purpose Operational Amplifier	LM324PW	SMD 838-9241	0.88	0.67	0.50	0.32	– –
324	TI	14	TSSOP	Quad Low-Voltage Rail-to-Rail Output Operational Amplifier	LMV324IPWR	SMD 838-9276	1.68	1.23	0.93	0.62	– –
324	NSC	14	SOIC	Quad, Rail-to-Rail Output Operational Amp (Low Voltage version of LM324).	LMV324M	SMD 930-6765	1.87	1.30	0.95	– –	– –
324	NSC	14	SOIC	Quad, Operational Amp	LM324AM	SMD 948-6909	2.05	1.43	1.04	– –	– –
324	NSC	14	DIL	Quad, Operational Amp	LM324AN	948-6917	2.37	1.65	1.18	– –	– –
324	NSC	14	SOIC	Quad, Operational Amp	LM324M	SMD 948-6925	1.99	1.39	1.01	– –	– –
324	NSC	14	DIL	Quad, Operational Amp	LM324N	948-6933	2.30	1.61	1.15	– –	– –
324	NSC	14	SOIC	Quad, Micropower Operational Amp.	LP324M	SMD 948-6941	2.15	1.50	1.09	– –	– –
324	NSC	14	DIL	Quad, Low Power Operational Amp	LP324N	948-6950	2.50	1.74	1.24	– –	– –
324	ST	14	DIL	Quad, Operational Amp	LM324N	975-5926	0.65	0.50	0.37	0.32	– –
342	NSC	8	MSOP	Single with Shutdown/Dual/Quad General Purpose, 2.7V, Rail-to-Rail Output, 125°C, Operational Amplifiers	LMV342MM.	SMD 579-6386‡	2.29	1.60	1.14	– –	– –
342	NSC	8	SOIC	Single with Shutdown/Dual/Quad General Purpose, 2.7V, Rail-to-Rail Output, 125°C, Operational Amplifiers	LMV342MA.	SMD 579-6398‡	2.22	1.55	1.11	– –	– –
342	NSC	8	SOIC	Single with Shutdown/Dual/Quad General Purpose, 2.7V, Rail-to-Rail Output, 125°C, Operational Amplifiers	LMV342MA	SMD 949-0612	2.22	1.55	1.11	– –	– –
342	NSC	8	MSOP	Single with Shutdown/Dual/Quad General Purpose, 2.7V, Rail-to-Rail Output, 125°C, Operational Amplifiers	LMV342MM	SMD 977-9396	2.29	1.60	1.14	– –	– –
344	NSC	14	SOIC	Single with Shutdown/Dual/Quad General Purpose, 2.7V, Rail-to-Rail Output, 125°C, Operational Amplifiers	LMV344MA.	SMD 579-6374‡	2.44	1.70	1.21	– –	– –
346	NSC	16	DIL	Quad, Programmable Operational Amp	LM346N	948-6968	3.22	2.26	1.61	– –	– –
348	NSC	14	SOIC	Quad, 741 Operational Amp.	LM348M.	SMD 400-361‡	2.18	1.52	1.09	– –	– –
348	ST	14	DIL	Quad, 741 Operational Amp.	LM348N.	400-385▲	1.91	1.47	1.12	0.98	– –
348	ST	14	DIL	Quad, 741 Operational Amp.	LM348N	109-4255	2.37	1.84	1.58	1.15	– –
348	TI	14	SOIC	Quad General-Purpose Operational Amplifier	06F9414.	SMD 229-3924	0.94	0.75	0.55	– –	– –
348	TI	14	DIL	Quad General-Purpose Operational Amplifier	LM348N	229-3948	0.68	0.56	0.42	– –	– –
348	NSC	14	SOIC	Quad, 741 Operational Amp.	LM348M	SMD 948-6976	2.18	1.52	1.09	– –	– –
348	NSC	14	DIL	Quad, 741 Operational Amp.	LM348N	948-6984	2.55	1.78	1.27	– –	– –
400	ADI	14	DIL	Quad, Low Offset, Precision Operational Amp (Ceramic)	OP400FY	400-403▲	16.06	13.38	10.70	– –	– –
400	ADI	16	SOIC	Quad, Low Offset, Precision Operational Amp	OP400GSZ	SMD 942-6140	13.59	10.89	9.06	– –	– –
400	ADI	14	DIL	Quad, Low Offset, Precision Operational Amp	OP400GPZ	960-4782	13.59	10.89	9.06	– –	– –
404	TI	16	SOIC	OP AMP, Quad FET	OPA404KU	SMD 121-2301	23.34	20.06	17.30	15.56	– –
404	TI	16	SOIC	OP AMP, Quad FET	OPA404KU..	SMD 843-3690	21.79	18.72	16.15	14.52	– –
464	ST	14	SOIC	Quad, Rail-to-Rail, Low Noise, High output swing Op. Amp.	TS464CD	SMD 109-4378	1.58	1.21	0.94	0.81	– –
464	ST	14	DIL	Quad, Rail-to-Rail, Low Noise, High output swing Op. Amp	TS464CN	109-4379	1.58	1.21	0.94	0.81	– –
467	ADI	16	SOIC	Quad, High Speed, Precision Operational Amp	OP467GSZ	SMD 960-5193	22.32	18.66	14.25	– –	– –
467	ADI	14	DIL	Quad, High Speed, Precision Operational Amp.	OP467GPZ	960-5347	20.73	17.34	13.23	– –	– –
470	ADI	16	SOIC	Quad, Ultra Low Noise Operational Amp.	OP470GSZ	SMD 942-6302	12.15	10.13	8.10	– –	– –
470	ADI	14	DIL	Quad, Ultra Low Noise Operational Amp.	OP470GPZ	960-4790	12.33	9.39	7.86	– –	– –
471	ADI	14	DIL	Quad, High Speed, Low Noise Operational Amp	OP471GPZ	960-4804	12.90	10.32	8.76	– –	– –
490	ADI	14	DIL	Quad, Precision Low Voltage, Micropower Operational Amp.	OP490GPZ	960-4812	11.55	9.69	7.38	– –	– –
490	ADI	16	SOIC	Quad, Low Voltage, Micropower Operational Amp	OP490GSZ	SMD 960-4820	11.55	9.69	7.38	– –	– –
497	ADI	14	DIL	Quad, Low Bias Current, Precision Operational Amp	OP497GPZ	960-5266	11.34	9.06	7.56	– –	– –
514	ST	14	DIL	Quad, High Speed, Precision Operational Amp (IND TEMP)	TS514IN	109-4381	2.62	2.00	1.53	1.35	– –
747	ADI	14	SOIC	Quad, Precision Micropower Single-Supply Operational Amplifier (IND TEMP)	OP747ARZ	SMD 960-4405	8.79	7.47	5.98	– –	– –
774	NSC	14	TSSOP	Quad, 3.5MHz, Low Offset, Low Noise, RRO Op Amp	LMV774MT	SMD 818-7673	4.24	3.00	2.19	– –	– –
824	TI	14	TSSOP	Quad, Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LMV824PWE4	SMD 105-3722	1.88	1.50	1.18	0.82	– –
824	TI	14	TSSOP	Quad, Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LMV824IPWE4	SMD 105-3727	2.40	1.92	1.51	1.05	– –
824	TI	14	SOIC	Quad, Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LMV824IDE4	SMD 105-3734	2.40	1.92	1.51	1.05	– –
824	TI	14	SOIC	Quad, Rail-to-Rail Output, Low Voltage, Low Power Op Amp	LMV824DE4	SMD 105-3741	1.88	1.50	1.18	0.82	– –
837	NSC	14	DIL	Low Noise, Quad Audio Operational Amp.	LM837N.	410-408‡	3.66	2.56	1.82	– –	– –
837	NSC	14	DIL	Low Noise, Quad Audio Operational Amp.	LM837N	948-8391	3.66	2.56	1.82	– –	– –
925	ST	16	DIL	Quad, Rail-to-Rail, High Output Current Operational Amp	TS925IN.	101-515▲	5.02	3.84	2.93	2.58	– –
925	ST	16	SOIC	Quad, Rail-to-Rail I/O, High Output Current (80mA) Op. Amp.,4MHz, with adjustable phantom ground and standby.	TS925ID	SMD 109-4394	5.02	3.84	2.93	2.58	– –
925	ST	16	DIL	Quad, Rail-to-Rail, High Output Current Operational Amp	TS925IN	109-4395	5.16	3.95	3.01	2.65	– –
934	ST	14	SOIC	Quad, Rail-to-Rail, Micropower (20μA/amp.) Op. Amp.	TS934ID	SMD 109-4398	4.72	3.61	2.76	2.43	– –
934	ST	14	DIL	Quad, Rail-to-Rail, Micropower (20μA/amp.) Op. Amp.	TS934IN	109-4399	5.90	4.52	3.88	2.82	– –
934	ST	14	SOIC	Quad, Rail-to-Rail, Micropower (20μA/amp.) Op. Amp.	TS934ID.	SMD 332-9409▲	4.69	3.59	2.74	2.41	– –
934	ST	14	DIL	Quad, Rail-to-Rail, Micropower (20μA/amp.) Op. Amp.	TS934IN.	332-9410▲	4.69	3.59	2.74	2.41	– –
954	ST	14	SOIC	Quad, Low Power, Rail-to-Rail I/O, Op. Amp., 3MHz	TS954ID	SMD 109-4407	2.67	2.04	1.56	1.37	– –
954	ST	14	SOIC	Quad, Low Power, Rail-to-Rail I/O, Op. Amp., 3MHz	TS954ID.	SMD 332-6470▲	2.67	2.04	1.56	1.37	– –
954	ST	14	DIL	Quad, Low Power, Rail-to-Rail I/O, Op. Amp., 3MHz	TS954IN	975-5705	3.10	2.37	1.81	1.59	– –
974	ST	14	SOIC	Quad, Rail-to-Rail, Low Noise, 12MHz Op. Amp. (SOIC)	TS974ID	SMD 109-4411	1.75	1.34	1.04	0.90	– –
974	ST	14	DIL	Quad, Rail-to-Rail, Low Noise, 12MHz Op. Amp.	TS974IN	109-4412	2.51	1.92	1.65	1.20	– –
974	ST	14	DIL	Quad, Rail-to-Rail, Low Noise, 12MHz Op. Amp.	TS974IN.	332-9550▲	1.99	1.52	1.16	1.02	– –
1014	LT	14	DIL	Quad, Low Power, Precision Operational Amp	LT1014CN	400-490▲	20.85	13.31	10.77	– –	– –
1014	LT	16	SOIC	Quad, Low Power, Precision Operational Amp	LT1014DSW	SMD 539-004▲	16.41	10.47	8.55	– –	– –
1014	LT	14	DIL	Quad Precision, Op Amp	LT1014DN	476-6969▲	14.82	10.86	9.18	– –	– –
1014	LT	14	DIL	Quad Precision, Op Amp	LT1014IN.	476-6970▲	16.11	13.44	10.74	– –	– –
1014	LT	14	DIL	Quad, Low Power, Precision Operational Amp	LT1014CN#PBF	955-9310	20.85	13.31	10.77	– –	– –
1014	LT	14	DIL	Quad Precision, Op Amp	LT1014DN#PBF	955-9329	12.24	7.84	6.38	– –	– –
1014	LT	16	SOIC	Quad, Low Power, Precision Operational Amp	LT1014DSW#PBF	SMD 955-9337	16.41	10.47	8.55	– –	– –
1014	LT	14	DIL	Quad Precision, Op Amp	LT1014IN.#PBF	955-9345	16.62	10.65	8.66	– –	– –
1014	TI	14	DIL	Quad Precision Operational Amplifier	LT1014CNG4	958-9767	15.48	11.85	9.81	8.75	– –
1079	LT	14	DIL	Quad, Low Power, Single Supply, Precision Operational Amp.	LT1079CN	246-621▲	13.06	8.33	6.81	– –	– –
1079	LT	14	DIL	Quad, Low Power, Single Supply, Precision Operational Amp.	LT1079CN#PBF	955-9701	13.06	8.33	6.81	– –	– –

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	1+	25+	100+	250+	+
							Price Each				
1114	LT	14	DIL	Quad, Low Power, Precision Operational Amp	LT1114CN	699-950▲	18.91	12.06	9.86	– –	– –
1114	LT	14	DIL	Quad Low-Power Precision Picoamp input Op Amp	LT1114ACN	386-2033▲	25.94	16.55	13.40	– –	– –
1114	LT	16	SOIC	Quad, Low Power Precision, Picoamp Input Operational Amplifier	LT1114S	SMD 386-2379▲	19.74	12.60	10.29	– –	– –
1114	LT	14	DIL	Quad Low-Power Precision Picoamp input Op Amp	LT1114ACN#PBF	956-0017	25.94	16.55	13.40	– –	– –
1114	LT	14	DIL	Quad, Low Power, Precision Operational Amp	LT1114CN#PBF	956-0025	18.91	12.06	9.86	– –	– –
1114	LT	16	SOIC	Quad, Low Power Precision, Picoamp Input Operational Amplifier	LT1114S#PBF	SMD 956-0033	19.74	12.60	10.29	– –	– –
1230	LT	14	DIL	Quad, 100MHz Current Feedback Amp	LT1230CN	786-950▲	26.64	17.00	13.76	– –	– –
1230	LT	14	DIL	Quad, 100MHz Current Feedback Amp	LT1230CN#PBF	956-0351	26.64	17.00	13.76	– –	– –
1491	LT	14	DIL	Dual, Enhanced Micropower Rail to Rail Input and Output Operational Amplifier (IND TEMP)	LT1491AIN#PBF	113-6623	14.66	9.40	7.64	– –	– –
1491	LT	14	DIL	Dual, Enhanced Micropower Rail to Rail Input and Output Operational Amplifier	LT1491ACN	386-2355▲	13.88	8.86	7.23	– –	– –
1491	LT	14	DIL	Dual, Enhanced Micropower Rail to Rail Input and Output Operational Amplifier (IND TEMP)	LT1491AIN	386-2367▲	16.68	10.64	8.70	– –	– –
1491	LT	14	DIL	Dual, Enhanced Micropower Rail to Rail Input and Output Operational Amplifier	LT1491ACN#PBF	956-0556	13.88	8.86	7.23	– –	– –
1854	ST	14	DIL	Quad, Micropower, 1.8V, 120μA/amp., Rail-to-Rail I/O, Op. Amp.	TS1854IN	332-6457▲	5.01	3.84	2.93	2.58	– –
1874	ST	14	SOIC	Quad, Low Power, 1.8V, 400μA, Rail-to-Rail I/O, Op. Amp.	TS1874ID	SMD 109-4364	5.41	4.33	3.79	3.14	– –
1874	ST	14	SOIC	Quad, Low Power, 1.8V, 400μA, Rail-to-Rail I/O, Op. Amp.	TS1874ID.	SMD 332-6573▲	4.83	3.70	3.06	2.73	– –
2014	NSC	14	TSSOP	Quad, High Precision, Rail-to-Rail Output Operational Amplifier	LMP2014MT	SMD 100-8281	10.73	8.11	6.35	– –	– –
2024	TI	16	SOIC	Low Power Operational Amp. Output current ±40mA. (IND TEMP).	TLE2024IDW	SMD 110-2942	6.82	5.22	3.98	3.50	– –
2024	TI	14	DIL	Low Power Operational Amp. Output current ±40mA. (IND TEMP).	TLE2024IN	110-2943	6.82	5.22	3.98	3.50	– –
2024	TI	14	DIL	Low Power Operational Amp. Output current ±40mA. (IND TEMP).	TLE2024IN.	305-5073	6.86	5.25	4.01	3.52	– –

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2024	TI	16	SOIC	OP AMP	TLE2024ACDW	SMD 845-4701	7.26	5.55	4.24	3.73	– –
2244	TI	14	SOIC	Op AMP, RAIL-RAIL I/O Quad	TLV2244ID	SMD 845-4957	4.79	3.67	2.80	2.46	– –
2254	TI	14	SOIC	OP AMP, RAIL-RAIL Quad	TLV2254AID	SMD 845-4965	4.62	3.53	2.70	2.37	– –
2274	TI	14	SOIC	OP AMP, RAIL-RAIL Quad	TLC2274ACD	SMD 845-4078	3.47	2.66	1.96	1.69	– –
2274	TI	14	PDIP	OP AMP, RAIL-RAIL Quad	TLC2274ACN	845-4086	3.47	2.66	1.96	1.69	– –
2274	TI	14	SOIC	OP AMP, RAIL-RAIL Quad	TLC2274CD	SMD 845-4094	3.47	2.66	1.96	1.69	– –
2374	TI	14	TSSOP	OP AMP, RAIL-RAIL I/O.	TLV2374IPWG4	SMD 120-7291	3.03	2.32	1.71	1.48	– –
2374	TI	14	SOIC	OP AMP, RAIL-RAIL I/O.	TLV2374ID	SMD 845-5040	3.03	2.32	1.71	1.48	– –
2374	TI	14	PDIP	OP AMP, RAIL-RAIL I/O.	TLV2374IN	845-5058	3.03	2.32	1.71	1.48	– –
2404	TI	14	SOIC	OP AMP, RAIL-RAIL I/O Quad	TLV2404ID	SMD 845-5120	6.29	4.81	3.68	3.23	– –
2464	TI	14	SOIC	OP AMP, RAIL-RAIL I/O Quad	TLV2464AID	SMD 845-5163	4.79	3.67	2.80	2.46	– –
2464	TI	14	SOIC	OP AMP, RAIL-RAIL I/O Quad	TLV2464CD	SMD 845-5171	4.40	3.37	2.57	2.26	– –
2474	TI	14	PDIP	OP AMP, RAIL-RAIL I/O Quad	TLV2474AIN	845-5180	4.79	3.67	2.80	2.46	– –
2774	TI	14	SOIC	OP AMP, RAIL-RAIL Quad, High Speed	TLV2774AID	SMD 845-5350	5.45	4.17	3.19	2.80	– –
2902	NSC	14	DIL	Quad, Operational Amp	LM2902N.	400-014‡	2.30	1.61	1.15	– –	– –
2902	ST	14	TSSOP	Quad, Low Power Operational Amp. (IND TEMP)	LM2902PT	SMD 109-4242	1.97	1.42	1.11	0.86	– –
2902	ON	14	SOIC	Quad, Operational Amp	LM2902DG	SMD 119-1816	1.01	0.58	0.53	– –	– –
2902	TI	14	DIL	Quad General-Purpose Operational Amplifier	LM2902N.	300-3231▲	0.98	0.75	0.56	0.36	– –
2902	ST	14	TSSOP	Quad, Low Power Operational Amp. (IND TEMP)	LM2902PT.	SMD 302-4672▲	1.37	1.05	0.79	0.67	– –
2902	NSC	14	SOIC	Quad, Operational Amp	LM2902M	SMD 948-6887	1.99	1.39	1.01	– –	– –
2902	NSC	14	DIL	Quad, Operational Amp	LM2902N	948-6895	2.30	1.61	1.15	– –	– –
2902	TI	14	SOIC	Quad General-Purpose Operational Amplifier	LM2902D	SMD 958-9627	0.98	0.75	0.56	0.36	– –
3303	ON	14	SOIC	Quad, Operational Amp. (IND TEMP)	MC3303DG	SMD 121-1113	1.79	1.30	1.04	– –	– –
3403	ST	14	DIL	Quad, Low Distortion, Single Supply, Operational Amp.	MC3403N.	400-038▲	1.58	1.21	0.94	0.81	– –
3403	ST	14	DIL	Quad, Low Distortion, Single Supply, Operational Amp.	MC3403N	109-4319	1.58	1.21	0.94	0.81	– –
3403	TI	14	DIL	Quad, Low Distortion, Single Supply, Operational Amp.	MC3403NE4	121-0963	1.49	1.07	0.80	0.54	– –
3403	ON	14	SOIC	Quad, Low Distortion, Operation Amp	MC3403DG	SMD 966-4408	1.41	1.01	0.76	0.51	– –
4134	TI	14	SOIC	OP AMP Quad AUDIO	OPA4134UAE4	SMD 120-7057	7.30	5.59	4.27	3.75	– –
4136	TI	14	DIL	Quad, High Performance Operational Amp	RC4136N..	400-051	3.12	2.39	1.76	1.52	– –
4136	TI	14	DIL	Quad, High Performance Operational Amp	RC4136N	110-6011	2.35	1.87	1.47	1.02	– –
4227	BB	14	DIL	Quad, Low Noise, High Precision Amp., 8MHz Bandwidth (IND TEMP).	OPA4227PA	109-7487	15.05	11.52	9.54	8.51	– –
4227	TI	14	SOIC	OP AMP Quad Low Noise	OPA4227UA	SMD 121-2303	15.05	11.52	9.54	8.51	– –
4227	TI	14	DIL	Quad, Low Noise, High Precision Amp., 8MHz Bandwidth (IND TEMP).	OPA4227PAG4	121-9414	15.05	11.52	9.54	8.51	– –
4227	TI	14	SOIC	OP AMP Quad Low Noise	OPA4227UA..	SMD 843-3739	14.51	11.10	9.20	8.20	– –
4228	TI	14	SOIC	OP AMP Quad Low Noise HI SPEED	OPA4228UA	SMD 121-2304	15.05	11.52	9.54	8.51	– –
4228	TI	14	DIL	Quad, Low Noise, High Precision Amp., 33MHz Bandwidth (IND TEMP).	OPA4228PA	121-4364	15.05	11.52	9.54	8.51	– –
4228	BB	14	DIL	Quad, Low Noise, High Precision Amp., 33MHz Bandwidth (IND TEMP).	OPA4228PA.	332-3985	13.56	10.37	8.59	7.66	– –
4228	TI	14	SOIC	OP AMP Quad Low Noise HI SPEED	OPA4228UA..	SMD 843-3747	14.65	11.21	9.29	8.28	– –
4234	TI	14	SOIC	OP AMP,Quad,Single Supply	OPA4234UG4	SMD 120-7058	14.66	11.22	9.29	8.29	– –
4234	TI	14	SOIC	OP AMP,Quad,Single Supply	OPA4234UAG4	SMD 120-7059	12.82	9.81	8.13	7.25	– –
4241	TI	14	SOIC	OP AMP Micro Power BIPOLAR Quad	OPA4241UA	SMD 121-2305	16.42	12.57	10.41	9.28	– –
4241	TI	14	SOIC	OP AMP Micro Power BIPOLAR Quad	OPA4241UA..	SMD 843-3771	16.62	12.72	10.54	9.39	– –
4251	TI	14	SOIC	OP AMP uPWR BIPOLAR Quad	OPA4251UA	SMD 121-2306	16.42	12.57	10.41	9.28	– –
4251	TI	14	SOIC	OP AMP uPWR BIPOLAR Quad	OPA4251UA..	SMD 843-3798	16.62	12.72	10.54	9.39	– –
4277	BB	14	DIL	Quad, Ultra-Precision Amp. with low offset voltage and drift. (OP177 equiv)	OPA4277PA	109-7452	14.31	10.95	9.07	8.09	– –
4277	BB	14	SOIC	Quad, High Precision, Ultra Low Drift/Offset Voltage Amp. (IND TEMP).	OPA4277UA	SMD 109-7479	14.31	10.95	9.07	8.09	– –
4277	BB	14	DIL	Quad, Ultra-Precision Amp. with low offset voltage and drift. (OP177 equiv)	OPA4277PA.	316-1470‡	13.34	10.21	8.46	7.54	– –
4336	TI	16	SSOP	OP AMP Quad CMOS	OPA4336EA/250G4	SMD 120-7060	7.70	5.89	4.50	3.96	– –
4340	TI	16	SSOP	OP AMP Quad RAIL-RAIL CMOS	OPA4340EA/250G4	SMD 120-7061	10.25	7.84	5.99	5.27	– –
4340	TI	14	SOIC	OP AMP Quad RAIL-RAIL CMOS	OPA4340UA	SMD 121-2307	10.25	7.84	5.99	5.27	– –
4340	TI	14	SOIC	OP AMP Quad RAIL-RAIL CMOS	OPA4340UA..	SMD 843-3828	9.33	7.14	5.45	4.80	– –
4343	BB	16	SOIC	Quad, Single Supply, Rail-to-Rail Amp. (IND TEMP).	OPA4343UA	SMD 109-7481	6.69	5.12	3.91	3.44	– –
4344	TI	14	SOIC	OP AMP Quad Low PWR RAIL-RAIL	OPA4344UAG4	SMD 120-7062	8.36	6.40	4.88	4.30	– –
4350	TI	16	SSOP	OP AMP, Quad Hi Speed CMOS.	OPA4350EA	SMD 121-2309	12.99	10.84	9.11	– –	– –
4350	TI	16	SSOP	OP AMP, Quad Hi Speed CMOS.	OPA4350EA.	SMD 843-3860	14.55	11.13	9.22	8.22	– –
4353	BB	14	SOIC	Quad, High Speed 44MHz, Single Supply, Rail-to-Rail Amp. (IND TEMP)	OPA4353UA	SMD 109-7482	10.47	8.01	6.12	5.38	– –
4353	BB	14	SOIC	Quad, High Speed 44MHz, Single Supply, Rail-to-Rail Amp. (IND TEMP)	OPA4353UA.	SMD 332-4059‡	9.49	7.26	5.54	4.88	– –
4354	TI	14	SOIC	OP AMP, 250MHZ, RRIO, Quad	OPA4354AID	SMD 121-2311	7.52	5.76	4.40	3.87	– –
4354	TI	14	SOIC	OP AMP, 250MHZ, RRIO, Quad	OPA4354AID.	SMD 843-3879	7.43	5.68	4.34	3.82	– –
4851	ADI	14	TSSOP	Quad, High Speed, Rail-to-Rail Output Op Amp	ADA4851-4YRUZ	SMD 107-8230	3.73	3.11	2.48	– –	– –
6044	NSC	14	SOIC	Quad, CMOS Micropower Operational Amp., Supply Current=10μA/amp., Vos=6mV max. (IND TEMP)	LMC6044IM	SMD 949-4626	5.40	3.83	2.80	– –	– –
6044	NSC	14	DIL	Quad, CMOS Micropower Operational Amp., Supply Current=10μA/amp., Vos=6mV max. (IND TEMP)	LMC6044IN	949-4634	5.40	3.90	2.85	– –	– –
6064	NSC	14	DIL	Quad, Micropower, Precision CMOS Operational Amp	LMC6064IN	948-6089	8.18	5.95	4.46	– –	– –
6084	NSC	14	SOIC	Quad, Precision CMOS Operational Amp., Input bias Current=10fA, Vos=350μV max. (IND TEMP)	LMC6084AIM.	SMD 954-913	14.61	11.04	8.64	– –	– –
6084	NSC	14	SOIC	Quad, Precision CMOS Operational Amp., Input bias Current=10fA, Vos=350μV max. (IND TEMP)	LMC6084AIM	SMD 121-5212	13.07	9.88	7.73	– –	– –
6134	NSC	14	DIL	Quad, High Speed, Low Power, 7MHz Operational Amp. with Rail-to-Rail I/O	LM6134BIN.	705-111‡	6.57	4.77	3.58	– –	– –
6134	NSC	14	SOIC	Quad, Low-Power 10MHz Rail-to-Rail Input/Output Operational Amp. (IND TEMP)	LM6134AIM.	SMD 412-5812‡	8.34	6.06	4.54	– –	– –
6134	NSC	14	SOIC	Quad, Low-Power 10MHz Rail-to-Rail Input/Output Operational Amp. (IND TEMP)	LM6134BIM	SMD 949-0027	6.57	4.77	3.58	– –	– –
6134	NSC	14	SOIC	Quad, Low-Power 10MHz Rail-to-Rail Input/Output Operational Amp. (IND TEMP)	LM6134AIM	SMD 949-0035	8.34	6.06	4.54	– –	– –
6134	NSC	14	DIL	Quad, High Speed, Low Power, 7MHz Operational Amp. with Rail-to-Rail I/O	LM6134BIN	949-3999	6.57	4.77	3.58	– –	– –
6144	NSC	14	DIL	Quad, High Speed, Low Power, 17MHz Rail-to-Rail, I/O Operational Amp.	LM6144BIN	949-3581	11.89	8.88	6.65	– –	– –
6464	NSC	14	DIL	Quad, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp, Supply Current=20μA/amp, Vos=3mV max. (IND TEMP).	LMC6464BIN.	955-000	8.34	6.06	4.54	– –	– –
6464	NSC	14	DIL	Quad, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp, Supply Current=20μA/amp, Vos=3mV max. (IND TEMP).	LMC6464BIN	121-5213	8.34	6.06	4.54	– –	– –
6725	NSC	14	SOIC	370MHz Dual, 1mA Current Feedback Op Amp	LMH6725MA	SMD 818-0946	11.63	8.45	6.33	– –	– –
8017	ADI	8	SOIC	High Speed, High Output Current Operational Amp	AD8017ARZ	SMD 942-5705	4.62	4.20	– –	– –	– –
8024	ADI	16	SOIC	Quad, 350MHz 24V High Speed Current Feedback Amplifier (IND TEMP)	AD8024ARZ	SMD 960-4260	7.92	7.17	– –	– –	– –
8040	ADI	14	SOIC	Low Power, High Speed, Rail-to-Rail Input/Output Amplifier	AD8040ARZ	SMD 839-7830	5.13	4.28	3.42	– –	– –
8054	ADI	14	SOIC	Quad, High Speed, Rail-to-Rail, 3V/5V or ±5V operated, Operational Amp	AD8054ARZ	SMD 942-5624	8.34	7.14	5.94	– –	– –
8335	ADI	64	LFCSP	Quad Low-Noise, Low-Cost Variable Gain Amplifier	AD8335ACPZ	SMD 907-9378	34.74	27.78	25.02	– –	– –
8392	ADI	28	TSSOP	Low Power, High Output Current, Dual-Channel ADSL/ADSL2+ Line Driver, Quad Op Amp	AD8392AREZ	SMD 107-8285	12.42	10.35	8.28	– –	– –
8544	ADI	14	SOIC	Quad, General Purpose Rail-to-Rail Operational Amp	AD8544ARZ	SMD 942-5748	1.62	1.35	1.08	– –	– –
8609	ADI	14	SOIC	Precision Micropower Low Noise CMOS Rail-to-Rail Input/Output Operational Amplifier	AD8609ARZ	SMD 114-3291	5.79	4.91	3.92	– –	– –
8618	ADI	14	TSSOP	Quad, Rail-to-Rail I/O, Precision CMOS Op Amp	AD8618ARUZ	SMD 107-8278	6.80	5.67	4.54	– –	– –
8618	ADI	14	SOIC	Quad, Rail-to-Rail I/O, Precision CMOS Op Amp	AD8618ARZ	SMD 107-8279	6.80	5.67	4.54	– –	– –
8630	ADI	14	TSSOP	Quad, Zero Drift, Single-Supply, Rail-to-Rail I/O Op Amp	AD8630ARUZ	SMD 107-8274	8.69	7.25	5.80	– –	– –
8630	ADI	14	SOIC	Quad, Zero Drift, Single-Supply, Rail-to-Rail I/O Op Amp	AD8630ARZ	SMD 107-8275	8.69	7.25	5.80	– –	– –
8674	ADI	14	SOIC	Precision, Very Low Noise, Low Input Bias Current Operational Amplifier	AD8674ARZ	SMD 114-3301	10.14	8.64	6.91	– –	– –
8694	ADI	14	TSSOP	Quad, Low Noise, Rail-to-Rail Output CMOS Op Amp.	AD8694ARUZ	SMD 107-8261	3.21	2.55	2.13	– –	– –
8694	ADI	14	SOIC	Quad, Low Noise, Rail-to-Rail Output CMOS Op Amp.	AD8694ARZ	SMD 107-8262	3.21	2.55	2.13	– –	– –
33074	ON	14	SOIC	Quad, Single Supply Operational Amp. (IND TEMP)	MC33074DG	SMD 121-1115	2.08	1.66	1.43	– –	– –
33074	ON	14	DIL	Quad, High Performance Operational Amp. (AUTO TEMP)	MC33074PG	966-6800	2.14	1.71	1.34	0.93	– –
33174	ON	14	DIL	Quad, Low Power, Single Supply, Operational Amp	MC33174PG	966-4971	3.13	2.92	2.78	2.63	– –
33174	ON	14	SOIC	Quad, Low Power, Single Supply, Operational Amp	MC33174DG	SMD 966-5315	3.13	2.92	2.78	2.63	– –
33174	ST	14	DIL	Quad, Low Power, Single Supply, Operational Amp	MC33174N	975-6370	3.10	2.38	1.81	1.60	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
33179	ON	14	DIL	Quad, High Output Current, Low Power, Low Noise OperationalAmp. (AUTO TEMP)	MC33179PG	966-6826	2.54	2.03	1.59	1.11	– –
33204	ON	14	SOIC	Quad, Single Supply Rail-to-Rail Input and Output Operational Amp	MC33204DG	SMD 966-6699	3.35	2.79	2.23	1.67	– –
33204	ON	14	DIL	Quad, Single Supply Rail-to-Rail Input and Output Operational Amp	MC33204PG	966-6702	3.61	3.37	3.20	3.03	– –
33274	ON	14	SOIC	Quad, High Slew Rate Single Supply Operational Amp (AUTOTEMP)	MC33274ADG	SMD 119-1815	8.46	7.52	5.96	– –	– –
33274	ON	14	DIL	Quad, High Slew Rate, Single Supply Operational Amp. (AUTO TEMP)	MC33274APG	966-6842	4.11	3.43	2.74	2.06	– –

FET Operational Amplifiers

210997

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Single										
051	TI	8/SOIC	Enhanced JFET Precision Operational Amplifier	TL051CD	SMD 959-3179	2.46	1.96	1.54	1.07	– –
061	TI	8/SOIC	Low-Power JFET-Input Operational Amplifier	TL061ACD	SMD 959-3217	1.47	1.17	0.94	0.64	– –
061	TI	8/SOIC	Low-Power JFET-Input General-Purpose Operational Amplifier	TL061CD	SMD 959-3225	1.09	0.79	0.59	0.40	– –
061	TI	8/SOIC	Low-Power JFET-Input General-Purpose Operational Amplifier	TL061ID	SMD 959-3233	1.88	1.35	1.01	0.68	– –
071	TI	8/SOIC	J-FET Input Operational Amp - Low Noise	TL071CD	SMD 958-9449	0.94	0.67	0.50	0.34	– –
071	TI	8/SOIC	Low-Noise JFET-Input General-Purpose Operational Amplifier	TL071ID	SMD 959-3314	1.56	1.12	0.84	0.56	– –
081	TI	8/DIL	JFET-Input Operational Amplifier	TL081ACPG4	959-3365	2.62	2.09	1.64	1.14	– –
081	TI	8/DIL	JFET-Input General-Purpose Operational Amplifier	TL081IPG4	959-3373	2.62	2.09	1.64	1.14	– –
31	TI	8/SOIC	BI-FET Operational Amp. - Low Power	TL031CD.	SMD 400-324	2.19	1.75	1.37	0.95	– –
31	TI	8/SOIC	BI-FET Operational Amp. - Low Power	TL031CD	SMD 110-2998	1.70	1.36	1.08	0.74	– –
42	ADI	8/DIL	JFET High Speed, Fast Settling, Precision Operational Amp.	OP42FZ	400-543▲	16.95	14.10	9.25	– –	– –
51	TI	8/DIL	BI-FET Operational Amp. - Low Noise enhanced TL071	TL051CP.	400-579	2.46	1.94	1.43	1.24	– –
51	TI	8/DIL	BI-FET Operational Amp. - Low Noise enhanced TL071	TL051CP	110-2999	2.46	1.96	1.54	1.07	– –
61	ST	8/DIL	BI-FET Operational Amp. - Low Power	TL061CN.	400-580▲	1.18	0.91	0.68	0.60	– –
61	TI	8/DIL	BI-FET Operational Amp. - Low Power	TL061CP..	400-592	1.40	1.00	0.75	0.50	– –
61	TI	8/DIL	BI-FET Operational Amp. - Low Power	TL061CP	110-3000	1.09	0.79	0.59	0.40	– –
61	ST	8/DIL	BI-FET Operational Amp. - Low Power	TL061CN	109-4346	1.18	0.91	0.68	0.60	– –
71	TI	8/DIL	BI-FET Operational Amp. - Low Noise	TL071CP..	400-646	0.93	0.67	0.50	0.34	– –
71	TI	8/DIL	BI-FET Operational Amp. - Low Noise	TL071CP	110-3001	0.94	0.67	0.50	0.34	– –
71	ST	8/DIL	BI-FET Operational Amp. - Low Noise	TL071CN	109-4351	0.99	0.76	0.57	0.50	– –
81	TI	8/SOIC	BI-FET Operational Amp	TL081CD.	SMD 594-519	0.88	0.63	0.47	0.32	– –
81	TI	8/SOIC	BI-FET Operational Amp	TL081CD	SMD 110-3182	0.94	0.67	0.50	0.34	– –
81	ST	8/DIL	BI-FET Operational Amp	TL081CN.	400-658▲	0.99	0.76	0.57	0.50	– –
81	TI	8/DIL	BI-FET Operational Amp	TL081CP	110-3002	0.94	0.67	0.50	0.34	– –
81	ST	8/DIL	BI-FET Operational Amp	TL081CN	109-4353	0.99	0.76	0.57	0.50	– –
110	TI	16/SOIC	OP AMP, FET-I/P	INA110KU..	SMD 846-6718	24.34	20.91	18.04	16.22	– –
110	TI	16/SOIC	OP AMP, FET-I/P	INA110KU	SMD 121-2396	22.85	19.64	16.93	15.23	– –
111	BB	8/TO-99	DI-FET Precision Operational Amp. - Low noise, low offset and low bias current	OPA111AM	109-7523	47.74	41.46	37.78	35.43	– –
124	TI	8/SOIC	OP AMP,Single, DIFET	OPA124UE4	SMD 120-6923	15.44	11.82	9.79	8.73	– –
124	TI	8/SOIC	OP AMP,Single, DIFET	OPA124UAE4	SMD 120-6924	18.38	14.06	11.54	10.39	– –
129	TI	8/SOIC	OP AMP,Single, DIFET Ultra Low Bias Current	OPA129UE4	SMD 120-6925	12.51	9.57	7.93	7.07	– –
129	TI	8/SOIC	OP AMP,Single, DIFET	OPA129UBE4	SMD 120-6926	17.79	15.29	13.19	11.86	– –
130	TI	8/SOIC	OP AMP,Single FET I/P	OPA130UAE4	SMD 120-6927	6.16	4.71	3.60	3.17	– –
132	TI	8/SOIC	OP AMP,Single FET I/P	OPA132UAE4	SMD 120-6929	6.38	4.88	3.73	3.28	– –
137	BB	8/DIL	FET-Input Operational Amp	OPA137PA.	117-274‡	2.89	2.21	1.63	1.41	– –
137	BB	8/DIL	FET-Input Operational Amp	OPA137PA	109-7424	2.93	2.24	1.65	1.43	– –
137	BB	8/SOIC	FET-Input Operational Amp	OPA137UA.	SMD 117-286	2.93	2.24	1.65	1.43	– –
137	TI	8/SOIC	FET-Input Operational Amp	OPA137UA	SMD 121-4347	2.93	2.24	1.65	1.43	– –
137	TI	5/SOP	OP AMP,Single FET I/P	OPA137NA.	SMD 846-7439	2.72	2.08	1.53	1.33	– –
137	TI	5/SOP	OP AMP,Single FET I/P	OPA137NA	SMD 121-2429	2.15	1.76	1.43	– –	– –
353	NSC	8/SOIC	Dual JFET Input Operational Amplifier	LF353M	SMD 446-5702	1.14	0.94	0.93	– –	– –
356	NSC	8/TO-99	BI-FET General Purpose Operational Amp	LF356H.	400-798▲	8.88	6.46	4.84	– –	– –
356	NSC	8/TO-99	BI-FET General Purpose Operational Amp	LF356H	121-6160	8.88	6.46	4.84	– –	– –
356	NSC	8/DIL	BI-FET General Purpose Operational Amp	LF356N	948-7000	2.18	1.52	1.09	– –	– –
356	NSC	8/SOIC	BI-FET General Purpose Operational Amp	LF356M.	SMD 400-804‡	1.97	1.36	0.98	– –	– –
356	NSC	8/SOIC	BI-FET General Purpose Operational Amp	LF356M	SMD 948-6992	1.97	1.36	0.98	– –	– –
411	NSC	8/DIL	BI-FET Low Offset Operational Amp - Vos 0.5mV max. @ 25°C	LF411ACN.	400-877‡	9.31	6.85	5.13	– –	– –
411	NSC	8/DIL	BI-FET Low Offset Operational Amp - Vos 0.5mV max. @ 25°C	LF411ACN	948-7018	9.31	6.85	5.13	– –	– –
411	NSC	8/DIL	Dual, BI-FET Low Offset Operational Amplifier	LF411CN	948-7026	3.18	2.22	1.58	– –	– –
445	BB	8/SOIC	High Voltage, FET Input Amp.	OPA445AU	SMD 109-7483	18.57	14.21	11.66	10.50	– –
445	TI	8/PDIP	OP AMP, FET-I/P	OPA445AP..	843-3895	16.44	14.12	12.18	10.95	– –
445	TI	8/PDIP	OP AMP, FET-I/P	OPA445AP	121-2312	18.57	14.21	11.66	10.50	– –
544	BB	5/TO-220	High Voltage, High Current, Power Operational Amp	OPA544T	109-7575	22.36	19.21	16.57	14.91	– –
602	BB	8/DIL	DI-FET High Speed Precision Operational Amp - 6.5MHz bandwidth	OPA602AP.	400-932‡	14.86	11.37	9.42	8.40	– –
602	TI	8/PDIP	OP AMP, DIFET	OPA602BP..	843-3976	20.03	17.21	14.84	13.35	– –
602	TI	8/PDIP	OP AMP, DIFET	OPA602BP	121-2316	19.92	17.11	14.76	13.27	– –
602	TI	8/SOIC	OP AMP, DIFET	OPA602AUE4	SMD 120-7066	16.23	12.42	10.29	9.17	– –
604	TI	8/DIL	FET Operational Amp. - Low Noise, Low Distortion, High GBW	OPA604APG4	117-8434	4.62	3.53	2.70	2.37	– –
606	TI	8/DIL	DI-FET 13MHz Bandwidth Operational Amp. Low bias current, offset voltage and distortion	OPA606KPG4	121-9416	13.10	10.02	8.30	7.40	– –
627	BB	8/DIL	DI-FET High Speed Precision Operational Amp. Low noise, low offset. Unity gain stable	OPA627AP	109-7526	35.92	31.20	28.43	26.66	– –
627	TI	8/DIL	DI-FET High Speed Precision Operational Amp. Low noise, low offset. Unity gain stable	OPA627APG4	121-8524	35.92	31.20	28.43	26.66	– –
627	TI	8/PDIP	OP AMP, DIFET	OPA627BP..	843-4000	54.45	47.29	43.09	40.41	– –
627	TI	8/PDIP	OP AMP, DIFET	OPA627BP	121-2318	52.05	45.20	41.19	38.62	– –
627	TI	8/SOIC	OP AMP, DIFET	OPA627AUE4	SMD 120-7067	35.92	31.20	28.43	26.66	– –
637	BB	8/DIL	DI-FET High Speed Precision Operational Amp. Low noise, low offset. Stable in gain = 5	OPA637AP.	400-968‡	35.92	31.20	28.43	26.66	– –
637	TI	8/PDIP	OP AMP, DIFET	OPA637BP..	843-4018	53.79	46.71	42.57	39.92	– –
637	TI	8/PDIP	OP AMP, DIFET	OPA637BP	121-2319	52.05	45.20	41.19	38.62	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
655	BB	8/DIL	Wideband, FET-Input Voltage Feedback Operational Amp	OPA655P.	642-125‡	29.29	25.43	23.17	21.73	– –
656	TI	5/SOT-23	Wideband, Unity Gain stable FET input Op-Amp	OPA656NB.	SMD 501-1887	18.19	13.92	11.42	10.28	– –
656	TI	5/SOT-23	Wideband, Unity Gain stable FET input Op-Amp	OPA656NB	SMD 121-4432●	24.64	19.73	15.46	– –	– –
656	TI	8/SOIC	Wideband, Unity Gain stable FET input Op-Amp	OPA656UB.	SMD 501-1899	17.43	13.34	10.94	9.85	– –
657	TI	5/SOP	OP AMP, Wideband, JFET, Input VFB	OPA657N.	SMD 843-4042	14.70	11.25	9.32	8.31	– –
657	TI	5/SOP	OP AMP, Wideband, JFET, Input VFB	OPA657N	SMD 121-2324	13.87	11.56	9.24	– –	– –
657	TI	5/SOP	OP AMP, 1.6GHZ, FET-I/P	OPA657NB.	SMD 843-4050	17.76	13.65	11.20	10.08	– –
657	TI	5/SOP	OP AMP, 1.6GHZ, FET-I/P	OPA657NB	SMD 121-2325●	17.90	14.94	12.56	– –	– –
657	TI	8/SOIC	OP AMP, 1.6GHZ, FET-I/P	OPA657U.	SMD 843-4069	14.78	11.31	9.37	8.35	– –
657	TI	8/SOIC	OP AMP, 1.6GHZ, FET-I/P	OPA657U	SMD 121-2326●	14.86	11.37	9.42	8.40	– –
657	TI	8/SOIC	OP AMP, 1.6GHZ, FET-I/P	OPA657UB.	SMD 843-4077	19.32	14.78	12.13	10.92	– –
657	TI	8/SOIC	OP AMP, 1.6GHZ, FET-I/P	OPA657UB	SMD 121-2327●	19.35	14.81	12.16	10.94	– –
711	ADI	8/DIL	BI-FET High Speed Operational Amp	AD711JNZ	960-4839●	3.27	2.58	2.19	– –	– –
711	ADI	8/SOIC	BI-FET High Speed Operational Amp	AD711JRZ	SMD 942-6396●	3.21	2.55	2.13	– –	– –
743	ADI	8/DIL	BI-FET Ultra Low Noise Operational Amp	AD743JNZ	960-3689●	13.50	11.34	9.03	– –	– –
744	ADI	8/DIL	BI-FET High Speed Precision Op. Amp - 500ns to 0.01% for 10V step..	AD744JNZ	960-4847●	6.37	5.31	4.25	– –	– –
820	ADI	8/SOIC	Single Supply, Rail-to-Rail FET - Input Operational Amp. (IND-TEMP)	AD820ARZ	SMD 942-6469●	4.86	4.14	3.31	– –	– –
825	ADI	8/SOIC	General Purpose, High Speed, FET-Input Operational Amp	AD825ARZ	SMD 960-3735●	5.29	4.41	3.53	– –	– –
845	ADI	8/DIL	Fast Settling FET Operational Amp - 350ns to 0.01%, stable gains > 1..	AD845JNZ	960-4855●	9.24	7.92	6.60	– –	– –
845	ADI	8/DIL	Fast Settling FET Operational Amp - 350ns to 0.01%, stable gains > 1..	AD845KNZ	960-5649●	10.68	9.15	7.65	– –	– –
2061	TI	8/SOIC	JFET Input High Output drive, micropower Operational Amp. (IND TEMP)	TLE2061ID.	SMD 305-5127	3.49	2.67	1.97	1.70	– –
2061	TI	8/SOIC	JFET Input High Output drive, micropower Operational Amp. (IND TEMP)	TLE2061ID	SMD 110-2946●	3.42	2.62	1.93	1.67	– –
2061	TI	8/DIL	JFET Input High Output drive, micropower Operational Amp. (IND TEMP)	TLE2061IP.	305-5139	3.51	2.69	1.98	1.71	– –
2061	TI	8/DIL	JFET Input High Output drive, micropower Operational Amp. (IND TEMP)	TLE2061IP	110-2947●	3.42	2.62	1.93	1.67	– –
4601	TI	8/SOIC	OP AMP, FET I/P	THS4601ID	SMD 845-3420●	29.47	25.59	23.32	21.87	– –
8033	ADI	8/SOIC	Single High Speed Fast FET Op Amp	AD8033ARZ	SMD 114-3315●	3.40	2.84	2.27	– –	– –
8513	ADI	14/SOIC	Precision, Very Low Noise, Low Input Bias Current, Wide Band-width JFET Operational Amplifier	AD8513ARZ	SMD 839-7970●	10.41	8.31	6.93	– –	– –
8610	ADI	8/SOIC	Single Precision Wide BW JFET Op Amp	AD8610ARZ	SMD 862-1578●	10.65	9.09	7.27	– –	– –
8627	ADI	8/SOIC	Precision Low Power Single-Supply JFET Amplifier	AD8627ARZ	SMD 114-3296●	4.77	3.81	3.12	– –	– –
8641	ADI	5/SC70	Single, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8641AKSZ-R2	SMD 107-8272●	6.21	5.18	4.14	– –	– –
8641	ADI	8/SOIC	Single, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8641ARZ	SMD 107-8273●	4.83	3.84	3.21	– –	– –
Dual										
32	TI	8/SOIC	Dual, BI-FET Operational Amp - Low Power	TL032CD..	SMD 401-055	2.64	2.06	1.52	1.31	– –
32	TI	8/SOIC	Dual, BI-FET Operational Amp - Low Power	TL032CD	SMD 110-3004●	2.64	2.10	1.65	1.15	– –
32	TI	8/DIL	Dual, BI-FET Operational Amp - Low Power enhanced TL062	TL032CP.	401-067	2.94	2.25	1.66	1.43	– –
32	TI	8/DIL	Dual, BI-FET Operational Amp - Low Power enhanced TL062	TL032CP	110-6012●	2.64	2.10	1.65	1.15	– –
032	TI	8/SOIC	Dual Enhanced JFET Low-Power Precision Operational Amplifier	TL032ID	SMD 959-3152●	2.44	1.87	1.38	1.19	– –
052	TI	8/SOIC	Dual Enhanced JFET Precision Operational Amplifier	TL052CDG4	SMD 959-3187●	4.44	3.40	2.50	2.16	– –
52	TI	8/DIL	Dual, BI-FET Operational Amp - Low Noise enhanced TL072	TL052CP..	401-092	3.72	2.85	2.10	1.81	– –
52	TI	8/DIL	Dual, BI-FET Operational Amp - Low Noise enhanced TL072	TL052CP	110-6013●	3.42	2.62	1.93	1.67	– –
052	TI	8/SOIC	Dual Enhanced JFET Precision Operational Amplifier	TL052ID	SMD 959-3195●	3.67	2.80	2.07	1.78	– –
062	TI	8/SOIC	Low-Power JFET-Input Operational Amplifier	TL062ACD	SMD 959-3241●	1.56	1.12	0.84	0.56	– –
62	TI	8/SOIC	Dual, BI-FET Operational Amp - Low Power	TL062CD..	SMD 594-490	0.95	0.68	0.51	0.34	– –
62	TI	8/SOIC	Dual, BI-FET Operational Amp - Low Power	TL062CD	SMD 110-3178●	1.25	0.90	0.67	0.45	– –
62	TI	8/DIL	Dual, BI-FET Operational Amp - Low Power	TL062CP..	401-110	1.40	1.00	0.75	0.50	– –
62	TI	8/DIL	Dual, BI-FET Operational Amp - Low Power	TL062CP	110-6014●	1.25	0.90	0.67	0.45	– –
062	TI	8/TSSOP	Dual Low-Power JFET-Input General-Purpose Operational Amplifier	TL062CPW	SMD 959-3250●	1.25	0.90	0.67	0.45	– –
062	TI	8/SOIC	Dual Low-Power JFET-Input General-Purpose Operational Amplifier	TL062ID	SMD 959-3268●	1.25	0.90	0.67	0.45	– –
62	ST	8/DIL	Dual, BI-FET Operational Amp - Low Power	TL062CN.	401-109▲	1.06	0.81	0.61	0.53	– –
62	ST	8/DIL	Dual, BI-FET Operational Amp - Low Power	TL062CN	109-4347●	1.06	0.81	0.61	0.53	– –
072	TI	8/SOIC	Low-Noise JFET-Input Operational Amplifier	TL072ACD	SMD 959-3322●	1.56	1.12	0.84	0.56	– –
72	TI	8/DIL	Dual, BI-FET Operational Amp., as TL072CP but 6mV max. off-set voltage	TL072ACP..	401-122	1.39	1.00	0.75	0.50	– –
72	TI	8/DIL	Dual, BI-FET Operational Amp., as TL072CP but 6mV max. off-set voltage	TL072ACP	110-3005●	1.56	1.12	0.84	0.56	– –
072	TI	8/SOIC	Low-Noise JFET-Input Operational Amplifier	TL072BCD	SMD 959-3330●	1.64	1.31	1.05	0.71	– –
72	TI	8/SOIC	Dual, BI-FET Operational Amp - Low Noise	TL072CD..	SMD 401-134	0.96	0.69	0.52	0.35	– –
72	TI	8/SOIC	Dual, BI-FET Operational Amp - Low Noise	TL072CD	SMD 110-3006●	1.25	0.90	0.67	0.45	– –
72	ST	8/DIL	Dual, BI-FET Operational Amp - Low Noise	TL072CN.	401-146▲	1.06	0.81	0.61	0.53	– –
72	TI	8/DIL	Dual, BI-FET Operational Amp - Low Noise	TL072CP..	401-158	0.89	0.64	0.48	0.32	– –
72	TI	8/DIL	Dual, BI-FET Operational Amp - Low Noise	TL072CP	110-6015●	1.25	0.90	0.67	0.45	– –
72	TI	8/SOIC	Dual, BI-FET Operational Amp - Low Noise (IND TEMP)	TL072ID.	SMD 699-639	1.08	0.77	0.58	0.39	– –
72	TI	8/SOIC	Dual, BI-FET Operational Amp - Low Noise (IND TEMP)	TL072ID	SMD 110-3190●	1.25	0.90	0.67	0.45	– –
72	ST	8/DIL	Dual, BI-FET Operational Amp - Low Noise	TL072CN	109-4352●	1.06	0.81	0.61	0.54	– –
082	TI	8/SOIC	JFET-Input Operational Amplifier	TL082ACD	SMD 959-3381●	1.56	1.12	0.84	0.56	– –
82	TI	8/DIL	Dual, BI-FET Operational Amp., as TL082CP but 6mV max. off-set voltage	TL082ACP..	699-615	1.23	0.88	0.66	0.44	– –
82	TI	8/DIL	Dual, BI-FET Operational Amp., as TL082CP but 6mV max. off-set voltage	TL082ACP	110-3189●	1.56	1.12	0.84	0.56	– –
082	TI	8/SOIC	JFET-Input Operational Amplifier	TL082BCD	SMD 959-3390●	1.64	1.31	1.05	0.71	– –
82	TI	8/SOIC	Dual, BI-FET Operational Amp	TL082CD..	SMD 594-520	1.40	1.00	0.75	0.50	– –
82	TI	8/SOIC	Dual, BI-FET Operational Amp	TL082CD	SMD 110-3183●	1.25	0.90	0.67	0.45	– –
82	TI	8/DIL	Dual, BI-FET Operational Amp	TL082CP..	401-160	0.93	0.67	0.50	0.34	– –
82	TI	8/DIL	Dual, BI-FET Operational Amp	TL082CP	110-6017●	1.25	0.90	0.67	0.45	– –
82	ST	8/DIL	Dual, BI-FET Operational Amp	TL082CN.	401-171▲	1.17	0.90	0.67	0.59	– –
082	TI	8/SOIC	Dual JFET-Input General-Purpose Operational Amplifier	TL082ID	SMD 959-3403●	1.25	0.90	0.67	0.45	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
082	TI	8/DIL	Dual JFET-Input General-Purpose Operational Amplifier	TL082IPG4	959-3411●	1.23	0.88	0.66	0.44	– –
82	ST	8/DIL	Dual, BI-FET Operational Amp	TL082CN	109-4354●	1.20	0.92	0.69	0.60	– –
249	ADI	8/DIL	Dual, JFET Precision, High Speed, Operational Amp	OP249GPZ	960-4863●	4.86	4.14	3.31	– –	– –
353	TI	8/DIL	Wide-Bandwidth JFET-Input Dual Op-Amp	LF353P	229-1990●	0.72	0.62	0.51	– –	– –
353	NSC	8/DIL	Dual, BI-FET Operational Amp	LF353N	948-7034●	2.62	1.83	1.30	– –	– –
411	NSC	8/DIL	Dual, BI-FET Low Offset Operational Amplifier	LF411CN.	400-890‡	2.68	1.87	1.33	– –	– –
412	NSC	8/DIL	Dual, BI-FET Low Offset Operational Amp - Vos 3.0mV max. @ 25°C	LF412CN	948-7042●	3.92	2.74	1.95	– –	– –
442	NSC	8/DIL	Dual, BI-FET Low Power Operational Amp	LF442CN	948-7050●	3.42	2.39	1.70	– –	– –
606	BB	8/DIL	DI-FET 13MHz Bandwidth Operational Amp. Low bias current, offset voltage and distortion	OPA606KP	109-7525	13.10	10.02	8.30	7.40	– –
648	ADI	8/DIL	Dual, BI-FET Low Power Operational Amp	AD648JNZ	960-4871●	5.16	4.11	3.45	– –	– –
648	ADI	8/DIL	Dual, BI-FET Low Power Operational Amp	AD648KNZ	960-5622●	15.84	11.88	8.70	– –	– –
712	ADI	8/DIL	Dual, BI-FET High Speed Operational Amp	AD712JNZ	960-4898●	4.14	3.33	3.12	– –	– –
712	ADI	8/SOIC	Dual, BI-FET High Speed Operational Amp	AD712JRZ	SMD 942-6400●	4.05	3.33	3.12	– –	– –
822	ADI	8/SOIC	Dual, Low Power, Single Supply, Rail-to-Rail FET Input Amp	AD822ARZ	SMD 999-4351●	7.35	5.85	4.89	– –	– –
1057	LT	8/DIL	Dual JFET Input, Precision High Speed OP Amp	LT1057CN8	476-7068▲	8.52	7.32	6.21	– –	– –
1057	LT	8/DIL	Dual JFET Input, Precision High Speed OP Amp	LT1057CN8#PBF	955-9531●	8.80	5.64	4.59	– –	– –
2062	TI	8/SOIC	Dual, JFET Input High Output drive, micropower Operational Amp.(IND TEMP)	TLE2062ID	SMD 110-2948●	4.84	3.70	2.83	2.49	– –
2072	TI	8/SOIC	Dual, J-FET Input Operational Amp. - Low Noise, High Speed	TLE2072CD..	SMD 790-424	4.71	3.69	2.72	2.35	– –
2072	TI	8/SOIC	Dual, J-FET Input Operational Amp. - Low Noise, High Speed	TLE2072CD	SMD 110-3195●	4.40	3.37	2.57	2.26	– –
2072	TI	8/PDIP	OP AMP, JFET	TLE2072ACP	845-4728●	5.28	4.04	3.08	2.71	– –
2072	TI	8/PDIP	OP AMP, JFET Dual	TLE2072CP	845-4736●	4.40	3.37	2.57	2.26	– –
2107	BB	8/DIL	Dual, DI-FET Precision Operational Amp. - Low noise, low offset, drift and bias current	OPA2107AP.	401-286‡	24.00	20.62	17.78	15.99	– –
2107	TI	8/SOIC	OP AMP,Dual DIFET	OPA2107AUE4	SMD 120-6931●	24.00	20.62	17.78	15.99	– –
2131	TI	8/SOIC	OP AMP,Dual FET I/P	OPA2131UAE4	SMD 120-6932●	7.92	6.06	4.63	4.07	– –
2132	TI	8/PDIP	OP AMP,Dual FET I/P	OPA2132PA..	846-7528	10.01	7.75	5.92	5.21	– –
2132	TI	8/PDIP	OP AMP,Dual FET I/P	OPA2132PA	121-2432●	10.56	8.08	6.17	5.43	– –
2132	TI	8/SOIC	OP AMP,Dual FET I/P	OPA2132UE4	SMD 120-6933●	16.49	14.17	12.22	10.99	– –
2132	TI	8/SOIC	OP AMP,Dual FET I/P	OPA2132UAE4	SMD 120-6934●	10.56	8.08	6.17	5.43	– –
2134	TI	8/SOIC	OP AMP,Dual FET I/P, Audio	OPA2134UAE4	SMD 120-6935●	4.62	3.53	2.70	2.37	– –
2137	BB	8/DIL	DUAL, FET-Input Operational Amp	OPA2137PA.	117-298‡	3.62	2.77	2.04	1.76	– –
2137	BB	8/DIL	DUAL, FET-Input Operational Amp	OPA2137PA	109-7425	3.42	2.62	1.93	1.67	– –
2137	BB	8/SOIC	DUAL, FET-Input Operational Amp	OPA2137UA	SMD 109-7426	3.42	2.62	1.93	1.67	– –
2604	BB	8/DIL	Dual, FET Operational Amp. - Low Noise, Low Distortion, High GBW.	OPA2604AP.	205-047‡	8.36	6.40	4.88	4.30	– –
2604	BB	8/DIL	Dual, FET Operational Amp. - Low Noise, Low Distortion, High GBW.	OPA2604AP	109-7431●	8.36	6.40	4.88	4.30	– –
2604	TI	8/SOIC	OP AMP,FET-INPUT, Dual	OPA2604AUE4	SMD 120-7104●	8.36	6.40	4.88	4.30	– –
8034	ADI	8/SOIC	Dual 80 MHZ Fast FET Op Amp	AD8034ARZ	SMD 862-1527●	4.53	3.81	3.33	– –	– –
8066	ADI	8/SOIC	High Speed FET input Amp.	AD8066ARZ	SMD 862-1535●	7.34	6.12	4.90	– –	– –
8512	ADI	8/SOIC	Dual Precision Low Noise JFET Op Amp.	AD8512ARZ	SMD 862-1560●	4.70	3.92	3.13	– –	– –
8620	ADI	8/SOIC	Precision, Low Input Bias Current, Wide BW JFET Op Amp (Dual)	AD8620ARZ	SMD 999-4386●	21.33	17.07	14.22	– –	– –
8626	ADI	8/SOIC	Precision Low Power Single-Supply JFET Amplifier	AD8626ARZ	SMD 114-3295●	7.44	5.82	4.77	– –	– –
8642	ADI	8/SOIC	Dual, Low Power, Rail-to-Rail Precision JFET Op Amp	AD8642ARZ	SMD 999-4327●	7.71	6.18	5.16	– –	– –
8642	ADI	8/MSOP	Dual, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8642ARMZ-R2	SMD 107-8271●	9.94	8.28	6.62	– –	– –
Quad										
034	TI	14/SOIC	Quad Enhanced JFET Low-Power Precision Operational Amplifier	TL034IDG4	SMD 959-3160●	5.14	3.93	3.00	2.64	– –
054	TI	14/SOIC	Quad Enhanced JFET Precision Operational Amplifier	TL054CD	SMD 959-3209●	3.52	2.69	1.98	1.71	– –
064	TI	14/SOIC	Low-Power JFET-Input Operational Amplifier	TL064ACD	SMD 959-3276●	1.47	1.17	0.94	0.64	– –
064	TI	14/TSSOP	Quad Low-Power JFET-Input General-Purpose Operational Amplifier	TL064CPW	SMD 959-3284●	1.56	1.12	0.84	0.56	– –
064	TI	14/SOIC	Quad Low-Power JFET-Input General-Purpose Operational Amplifier	TL064ID	SMD 959-3292●	1.56	1.12	0.84	0.56	– –
064	TI	14/DIL	Quad Low-Power JFET-Input General-Purpose Operational Amplifier	TL064ING4	959-3306●	2.50	2.00	1.57	1.09	– –
074	TI	14/SOIC	Low-Noise JFET-Input Operational Amplifier	TL074ACD	SMD 959-3349●	1.88	1.35	1.01	0.68	– –
074	TI	14/DIL	Quad Low-Noise JFET-Input General-Purpose Operational Amplifier	TL074ING4	959-3357●	2.67	2.13	1.67	1.16	– –
084	TI	14/TSSOP	Quad JFET-Input General-Purpose Operational Amplifier	TL084CPW	SMD 959-3454●	1.56	1.12	0.84	0.56	– –
084	TI	14/SOIC	Quad JFET-Input General-Purpose Operational Amplifier	TL084ID	SMD 959-3462●	1.72	1.23	0.93	0.62	– –
084	TI	14/DIL	Quad JFET-Input General-Purpose Operational Amplifier	TL084ING4	959-3470●	2.67	2.13	1.67	1.16	– –
084	TI	14/SOIC	JFET-Input Operational Amplifier	TL084ACD	SMD 959-3420●	1.72	1.23	0.93	0.62	– –
084	TI	14/SOIC	JFET-Input Operational Amplifier	TL084BCD	SMD 959-3438●	1.88	1.50	1.18	0.82	– –
084	TI	14/DIL	JFET-Input Operational Amplifier	TL084BCNG4	959-3446●	3.56	2.72	2.00	1.73	– –
34	TI	14/SOIC	Quad, BI-FET Operational Amp - Low Power.	TL034CD..	SMD 401-304	4.94	3.78	2.88	2.54	– –
34	TI	14/SOIC	Quad, BI-FET Operational Amp - Low Power.	TL034CD	SMD 110-3007●	2.44	1.87	1.38	1.19	– –
34	TI	14/DIL	Quad, BI-FET Operational Amp - Low Power enhanced TL064	TL034CN..	401-316	3.47	2.66	1.96	1.69	– –
34	TI	14/DIL	Quad, BI-FET Operational Amp - Low Power enhanced TL064	TL034CN	110-3008●	2.44	1.87	1.38	1.19	– –
54	TI	14/DIL	Quad, BI-FET Operational Amp - Low Noise enhanced TL074	TL054CN.	401-328	4.69	3.59	2.64	2.28	– –
54	TI	14/DIL	Quad, BI-FET Operational Amp - Low Noise enhanced TL074	TL054CN	110-3009●	3.52	2.69	1.98	1.71	– –
64	TI	14/SOIC	Quad, BI-FET Operational Amp - Low Power.	TL064CD..	SMD 594-507	1.49	1.07	0.80	0.54	– –
64	TI	14/SOIC	Quad, BI-FET Operational Amp - Low Power.	TL064CD	SMD 110-3181●	1.56	1.12	0.84	0.56	– –
64	TI	14/DIL	Quad, BI-FET Operational Amp - Low Power.	TL064CN..	401-330	1.67	1.33	1.07	0.73	– –
64	TI	14/DIL	Quad, BI-FET Operational Amp - Low Power.	TL064CN	110-6018●	1.56	1.12	0.84	0.56	– –
64	ST	14/DIL	Quad, BI-FET Operational Amp - Low Power.	TL064CN.	401-341▲	1.48	1.14	0.85	0.75	– –
64	ST	14/DIL	Quad, BI-FET Operational Amp - Low Power.	TL064CN	109-4349●	1.53	1.17	0.88	0.77	– –
74	TI	14/DIL	Quad, BI-FET Operational Amp., as TL074CN but 6mV max. offset voltage.	TL074ACN.	204-286	1.88	1.35	1.01	0.68	– –
74	TI	14/DIL	Quad, BI-FET Operational Amp., as TL074CN but 6mV max. offset voltage.	TL074ACN	110-5902●	1.88	1.35	1.01	0.68	– –
74	TI	14/SOIC	Quad, BI-FET Operational Amp - Low Noise	TL074CD..	SMD 401-365	1.48	1.06	0.80	0.53	– –
74	TI	14/SOIC	Quad, BI-FET Operational Amp - Low Noise	TL074CD	SMD 110-3010●	1.49	1.07	0.80	0.54	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Quad										
74	TI	14/DIL	Quad, BI-FET Operational Amp - Low Noise	TL074CN..	401-377	1.47	1.05	0.79	0.53	– –
74	TI	14/DIL	Quad, BI-FET Operational Amp - Low Noise	TL074CN	110-6019	1.49	1.07	0.80	0.54	– –
74	TI	14/SOIC	Quad, BI-FET Operational Amp - Low Noise (IND TEMP)	TL074ID	SMD 110-3191	1.56	1.12	0.84	0.56	– –
74	ST	14/DIL	Quad, BI-FET Operational Amp - Low Noise	TL074CN	975-5934	1.28	0.98	0.74	0.65	– –
84	TI	14/DIL	Quad, BI-FET Operational Amp., as TL084CN but 6mV max. offset voltage	TL084ACN..	699-627	1.72	1.25	0.93	0.63	– –
84	TI	14/DIL	Quad, BI-FET Operational Amp., as TL084CN but 6mV max. offset voltage	TL084ACN	110-6129	1.72	1.23	0.93	0.62	– –
84	TI	14/SOIC	Quad, BI-FET Operational Amp	TL084CD..	SMD 594-532	1.49	1.07	0.80	0.54	– –
84	TI	14/SOIC	Quad, BI-FET Operational Amp	TL084CD	SMD 110-3184	1.56	1.12	0.84	0.56	– –
84	TI	14/DIL	Quad, BI-FET Operational Amp	TL084CN	110-6020	1.49	1.07	0.80	0.54	– –
84	ST	14/DIL	Quad, BI-FET Operational Amp	TL084CN	109-4355	1.23	0.94	0.71	0.62	– –
347	NSC	14/DIL	Quad, BI-FET Operational Amp	LF347BN	948-7069	4.30	3.06	2.24	– –	– –
347	NSC	14/DIL	Quad, BI-FET Operational Amp	LF347N	948-7077	4.23	2.99	2.18	– –	– –
404	BB	14/DIL	Quad, DI-FET High Speed, Fast Settling, Precision Operational Amp	OPA404KP	109-7530	24.65	21.18	18.27	16.43	– –
404	TI	14/DIL	Quad, DI-FET High Speed, Fast Settling, Precision Operational Amp	OPA404KPG4	121-9417	24.65	21.18	18.27	16.43	– –
444	NSC	14/DIL	Quad, BI-FET Low Power Operational Amp	LF444CN	948-7085	3.87	2.74	2.00	– –	– –
713	ADI	14/DIL	Quad, BI-FET Precision High Speed Operational Amp. (I/P offset Vdrift 6µV/°C, min open loop gain 150V/mV)	AD713JNZ	960-4910	13.08	9.81	8.19	– –	– –
713	ADI	14/DIL	Quad, BI-FET Precision High Speed Operational Amp. (I/P offset Vdrift 6µV/°C, min open loop gain 200V/mV)	AD713KNZ	960-3565	21.15	15.81	12.63	– –	– –
824	ADI	14/SOIC	Quad, Low Power, Single Supply, Rail-to-Rail FET - Input Operational Amp	AD824ARZ-14	SMD 942-5535	12.37	10.31	8.24	– –	– –
1058	LT	14/DIL	Quad JFET Input High Speed Op Amp	LT1058CN.	476-7070	14.46	12.27	10.53	– –	– –
1058	LT	14/DIL	Quad JFET Input High Speed Op Amp	LT1058CN.#PBF	955-9540	14.90	9.55	7.76	– –	– –
2064	TI	14/SOIC	Quad, JFET Input High Output drive, micropower Operational Amp.(IND TEMP)	TLE2064ID	SMD 110-5910	7.92	6.06	4.63	4.07	– –
2064	TI	8/DIL	Quad, JFET Input High Output drive, micropower Operational Amp.(IND TEMP)	TLE2064IN.	305-5528	6.83	5.23	3.99	3.51	– –
2064	TI	8/DIL	Quad, JFET Input High Output drive, micropower Operational Amp.(IND TEMP)	TLE2064IN	110-2949	7.92	6.06	4.63	4.07	– –
2074	TI	14/PDIP	OP AMP, JFET Quad	TLE2074ACN	845-4752	9.68	7.41	5.65	4.97	– –
4131	BB	14/DIL	Quad, General Purpose FET-Input Operational Amp	OPA4131PA	109-7562	14.27	10.92	9.05	8.07	– –
4131	TI	14/DIL	Quad, General Purpose FET-Input Operational Amp	OPA4131PAG4	121-9423	14.05	10.92	9.05	8.07	– –
4132	TI	14/SOIC	OP AMP,Low Power, FET-I/P	OPA4132UA..	SMD 843-3712	16.79	12.85	10.64	9.49	– –
4132	TI	14/SOIC	OP AMP,Low Power, FET-I/P	OPA4132UA	SMD 121-2302	17.79	13.61	11.17	10.06	– –
4137	BB	14/DIL	Quad, FET Input Amp. (IND TEMP)	OPA4137PA.	332-3973	4.61	3.53	2.60	2.25	– –
4137	TI	14/DIL	Quad, FET Input Amp. (IND TEMP)	OPA4137PA	121-4363	4.84	3.70	2.83	2.49	– –
8625	ADI	14/SOIC	Precision Low Power Single-Supply JFET Amplifier	AD8625ARZ	SMD 114-3294	12.18	9.63	7.95	– –	– –
8643	ADI	16/LFCSP	Quad, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8643ACPZ-R2	SMD 107-8269	16.31	13.59	10.87	– –	– –
8643	ADI	14/SOIC	Quad, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8643ARZ	SMD 107-8270	12.66	10.14	8.43	– –	– –

JFET Amplifiers

NEW

ANALOG DEVICES

422828

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
Single										
8641	ADI	5/SC70	Single, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8641AKSZ-R2	SMD 107-8272	6.21	5.18	4.14	– –	– –
8641	ADI	8/SOIC	Single, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8641ARZ	SMD 107-8273	4.83	3.84	3.21	– –	– –
Dual										
8642	ADI	8/MSOP	Dual, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8642ARMZ-R2	SMD 107-8271	9.94	8.28	6.62	– –	– –
Quad										
8643	ADI	16/LFCSP	Quad, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8643ACPZ-R2	SMD 107-8269	16.31	13.59	10.87	– –	– –
8643	ADI	14/SOIC	Quad, Low Power, Rail-to-Rail Output, Precision JFET Amplifier	AD8643ARZ	SMD 107-8270	12.66	10.14	8.43	– –	– –

BIMOS Operational Amplifiers

210508

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
710	NSC	5/SOT-23	BIMOS Operational Amp with CMOS input stage, Rail-to-Rail output and high output current drive.	LMV710M5.	SMD 355-0503‡	3.88	2.71	1.93	– –	– –
710	NSC	5/SOT-23	BIMOS Operational Amp with CMOS input stage, Rail-to-Rail output and high output current drive.	LMV710M5	SMD 977-8861	3.88	2.71	1.93	– –	– –
711	NSC	6/SOT-23	BIMOS operational amp with CMOS input stage, Rail-to-Rail output and high output current drive and shutdown pin.	LMV711M6.	SMD 355-0515‡	2.56	1.81	1.32	– –	– –
711	NSC	6/SOT-23	BIMOS operational amp with CMOS input stage, Rail-to-Rail output and high output current drive and shutdown pin.	LMV711M6	SMD 977-8870	2.56	1.81	1.32	– –	– –
3130	INTS	8/DIL	Improved CA3130E (superior input characteristics)	CA3130AE	401-468	4.25	3.70	2.90	2.42	– –
3130	INTS	8/DIL	Operational Amp. with MOS/FET Input, CMOS Output	CA3130E	401-470‡	2.55	2.22	1.74	1.45	– –
3130	INTS	8/DIL	Operational Amp. with MOS/FET Input, CMOS Output	CA3130EZ	101-8161	2.63	2.29	1.80	1.50	– –
3130	INTS	8/SOIC	Operational Amp. with MOS/FET Input, CMOS Output	CA3130M	SMD 401-481‡	2.73	2.38	1.87	1.56	– –
3130	INTS	8/SOIC	Operational Amp. with MOS/FET Input, CMOS Output	CA3130MZ	SMD 101-8162	2.81	2.45	1.92	1.60	– –
3140	INTS	8/DIL	Improved CA3140E (superior input characteristics)	CA3140AE	401-500	1.89	1.64	1.29	1.07	– –
3140	INTS	8/DIL	Improved CA3140E (superior input characteristics)	CA3140AEZ	101-8163	1.94	1.69	1.33	1.11	– –
3140	INTS	8/DIL	Operational Amp. with MOS/FET Input, Bipolar Output	CA3140EZ	966-3614	1.16	1.06	0.85	0.76	– –
3140	INTS	8/SOIC	Operational Amp. with MOS/FET Input, Bipolar Output	CA3140MZ	SMD 966-3622	1.43	1.30	1.04	0.93	– –
3240	INTS	8/DIL	Operational Amp. with MOS/FET Input, Bipolar Output	CA3240AEZ	966-3525	2.64	2.40	1.92	1.73	– –
3240	INTS	8/DIL	Operational Amp. with MOS/FET Input, Bipolar Output (Dual)	CA3240EZ	966-3630	2.22	2.02	1.61	1.45	– –
3260	INTS	8/DIL	BIMOS Operational Amp. with MOS/FET Input, CMOS Output (Dual)	CA3260EZ	966-3649	3.75	3.41	2.73	2.46	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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CMOS Operational Amplifiers

211021

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Single										
271	TI	8 / SOIC	Lin-CMOS Programmable Operational Amp	TLC271CD..	SMD 401-614	1.69	1.35	1.08	0.73	– –
271	TI	8 / SOIC	Lin-CMOS Programmable Operational Amp	TLC271CD	SMD 110-6021	1.80	1.29	0.97	0.65	– –
271	TI	8 / DIL	Lin-CMOS Programmable Operational Amp	TLC271CP..	401-626	3.30	2.52	1.86	1.61	– –
271	TI	8 / DIL	Lin-CMOS Programmable Operational Amp	TLC271CP	110-3011●	1.80	1.29	0.97	0.65	– –
271	ST	8 / SOIC	Lin-CMOS Programmable Operational Amp	TS271CDT.	SMD 642-824▲	1.58	1.21	0.94	0.81	– –
271	ST	8 / SOIC	Lin-CMOS Programmable Operational Amp	TS271CDT	SMD 109-4365●	1.58	1.21	0.94	0.81	– –
271	ST	8 / DIL	CMOS Programmable Operational Amp	TS271CN.	787-231▲	1.58	1.21	0.94	0.81	– –
271	ST	8 / DIL	CMOS Programmable Operational Amp	TS271CN	109-4366●	1.58	1.21	0.94	0.81	– –
337	BB	8 / SOIC	Single Supply, unity gain stable CMOS Operational Amp. (IND TEMP)	OPA337UA	SMD 109-7508	2.52	2.01	1.58	1.10	– –
337	TI	8 / SOIC	Single Supply, unity gain stable CMOS Operational Amp. (IND TEMP)	OPA337UAG4	SMD 121-9415●	2.52	2.01	1.58	1.10	– –
340	BB	8 / SOIC	5MHz Single Supply Operational Amp	OPA340UA	SMD 110-6196●	3.71	2.84	2.09	1.81	– –
349	BB	8 / SOIC	Micropower, Rail-to-Rail, CMOS Operational Amp	OPA349UA	SMD 353-4868	3.67	2.80	2.07	1.78	– –
349	TI	8 / SOIC	Micropower, Rail-to-Rail, CMOS Operational Amp	OPA349UAG4	SMD 121-4375●	3.67	2.80	2.07	1.78	– –
350	BB	8 / DIL	Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA350PA.	300-6189‡	5.27	4.03	3.08	2.71	– –
350	BB	8 / DIL	Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA350PA	109-7443	5.45	4.17	3.19	2.80	– –
350	BB	8 / SOIC	Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA350UA.	SMD 353-5320	5.45	4.20	3.21	2.82	– –
350	BB	8 / SOIC	Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA350UA	SMD 110-6197●	5.45	4.17	3.19	2.80	– –
356	TI	5 / SOT-23	200MHz GBW CMOS Op-Amp	OPA356AIDBVT	SMD 110-0953	4.20	3.22	2.37	2.05	– –
406	MAX	8 / DIL	Ultra Low Power CMOS Operational Amp	MAX406ACPA+	118-7925●	21.66	14.58	13.16	– –	– –
430	MAX	8 / DIL	Chopper-Stabilised CMOS Programmable Operational Amp. (OP07/OP77 compatible)	MAX430CPA	787-656▲	26.79	20.50	15.58	– –	– –
452	MAX	8 / DIL	50MHz, CMOS Unity-gain stable Video Amp	MAX452CPA+	118-8053●	13.85	10.60	8.13	– –	– –
601	MCHIP	5 / SOT-23	CMOS, Low Power, Rail-to-Rail Output Op-Amp. (IND TEMP)	MCP601T-I/OT	SMD 975-8631●	1.11	0.63	0.63	– –	– –
601	MCHIP	8 / DIL	CMOS, Low Power, Rail-to-Rail Output Op. Amp. (IND TEMP)	MCP601-I/P	108-4271●	1.25	0.77	0.77	– –	– –
601	MCHIP	8 / SOIC	CMOS, Low Power, Rail-to-Rail Output Op. Amp. (IND TEMP)	MCP601-I/SN	SMD 975-8623●	1.20	0.70	0.70	– –	– –
603	MCHIP	8 / DIL	CMOS, Low Power, Rail-to-Rail Output Op. Amp. with chip select for low power mode. (IND TEMP)	MCP603-I/P	119-6796●	1.35	0.81	0.81	– –	– –
603	MCHIP	8 / SOIC	CMOS, Low Power, Rail-to-Rail Output Op. Amp. with chip select for low power mode. (IND TEMP)	MCP603-I/SN.	SMD 316-7367	1.35	0.81	0.81	– –	– –
603	MCHIP	8 / SOIC	2.7V to 5.5V Single-Supply CMOS Op Amps	MCP603-I/SN	SMD 113-7314●	1.35	0.81	0.81	– –	– –
607	MCHIP	8 / SOIC	Dual Micropower CMOS 2.5V Op Amp	MCP607-I/SN	SMD 119-6812●	2.55	1.71	1.55	– –	– –
661	TS	8 / SOIC	Low Power, CMOS Operational Amp., Input bias Current=2fA,Vos=6mV max. (IND TEMP)	LPC661IM.	SMD 956-417	2.73	2.08	– –	– –	– –
661	NSC	8 / SOIC	Low Power, CMOS Operational Amp., Input bias Current=2fA,Vos=6mV max. (IND TEMP)	LPC661IM	SMD 121-5216●	4.06	2.88	2.10	– –	– –
921	ST	8 / SOIC	Rail-to-Rail, high output current Operational Amp. (IND TEMP)	TS921ID.	SMD 162-978▲‡	2.64	2.02	1.54	1.36	– –
921	ST	8 / SOIC	Rail-to-Rail, high output current Operational Amp. (IND TEMP)	TS921ID	SMD 975-5306●	2.64	2.02	1.54	1.36	– –
951	ST	8 / SOIC	Low Power, Rail-to-Rail Operational Amp., 3V and 5V operational, ESD protected (IND TEMP)	TS951ID	SMD 162-942▲	2.12	1.62	1.24	1.09	– –
1049	LT	8 / DIL	Lo Pwr, Zero Drift OP AMP with Internal Capacitor	LTC1049CN8	476-7470▲	7.59	6.33	5.07	– –	– –
1049	LT	8 / DIL	Lo Pwr, Zero Drift OP AMP with Internal Capacitor	LTC1049CN8#PBF	956-0750●	7.82	5.01	4.08	– –	– –
1050	LT	8 / DIL	Chopper-Stabilised, CMOS Operational Amp	LTC1050CN8	401-638▲	8.90	5.68	4.64	– –	– –
1050	LT	8 / DIL	Chopper-Stabilised, CMOS Operational Amp	LTC1050CN8#PBF	956-0769●	8.90	5.68	4.64	– –	– –
1050	LT	8 / SOIC	Chopper-Stabilised, CMOS Operational Amp	LTC1050CS8	SMD 539-016▲	10.66	7.10	5.80	– –	– –
1050	LT	8 / SOIC	Chopper-Stabilised, CMOS Operational Amp	LTC1050CS8#PBF	SMD 956-0777●	11.12	7.10	5.80	– –	– –
1150	LT	8 / DIL	Zero-Drift OP-AMP with Internal Capacitor	LTC1150CN8	476-7512▲	13.02	11.07	9.51	– –	– –
1150	LT	8 / DIL	Zero-Drift OP-AMP with Internal Capacitor	LTC1150CN8#PBF	956-0874●	13.45	8.62	7.01	– –	– –
1152	LT	8 / DIL	Rail to Rail Input and Output, Zero Drift Operational Amplifier (IND TEMP)	LTC1152CN8	386-2483▲	13.35	8.52	6.96	– –	– –
1152	LT	8 / DIL	Rail to Rail Input and Output, Zero Drift Operational Amplifier (IND TEMP)	LTC1152CN8#PBF	956-0882●	13.35	8.52	6.96	– –	– –
1152	LT	8 / SOIC	Rail to Rail Input and Output Zero-Drift OP AMP	LTC1152CS8	SMD 476-7524▲	12.36	10.29	8.25	– –	– –
1152	LT	8 / SOIC	Rail to Rail Input and Output Zero-Drift OP AMP	LTC1152CS8#PBF	SMD 956-0890●	12.71	8.14	6.62	– –	– –
1152	LT	8 / DIL	Rail to Rail Input and Output, Zero Drift Operational Amplifier	LTC1152IN8	386-2495▲	14.94	9.58	7.83	– –	– –
1152	LT	8 / DIL	Rail to Rail Input and Output, Zero Drift Operational Amplifier	LTC1152IN8#PBF	113-6626●	13.22	8.47	6.89	– –	– –
1250	LT	8 / SOIC	Very Low Noise, Zero Drift Bridge Amplifier	LTC1250CS8	SMD 386-2460▲	13.90	8.87	7.25	– –	– –
1250	LT	8 / SOIC	Very Low Noise, Zero Drift Bridge Amplifier	LTC1250CS8#PBF	SMD 956-0955●	13.90	8.87	7.25	– –	– –
2201	TI	8 / DIL	Ultra Low Noise, Precision CMOS Operational Amp	TLC2201CP.	401-640	6.91	5.28	4.04	3.55	– –
2201	TI	8 / DIL	Ultra Low Noise, Precision CMOS Operational Amp	TLC2201CP	110-3012●	6.91	5.28	4.04	3.55	– –
2201	TI	8 / SOIC	Lin-CMOS Low Noise Operational Amp. (IND TEMP)	TLC2201ID	SMD 110-2933●	7.30	5.59	4.27	3.75	– –
2201	TI	8 / DIL	Lin-CMOS Low Noise Operational Amp. (IND TEMP)	TLC2201IP.	305-4482	7.06	5.40	4.12	3.63	– –
2201	TI	8 / DIL	Lin-CMOS Low Noise Operational Amp. (IND TEMP)	TLC2201IP	110-2934●	7.30	5.59	4.27	3.75	– –
2471	TI	5 / SOT-23	600µA, Rail to Rail, High-drive, 2.8MHz, CMOS Op. Amp (IND TEMP)	TLV2471IDBVT	SMD 110-2964●	2.79	2.13	1.57	1.36	– –
2652	TI	8 / DIL	Precision Chopper-Stabilized CMOS Operational Amp	TLC2652CP.	305-4536	7.85	6.00	4.59	4.03	– –
2652	TI	8 / DIL	Precision Chopper-Stabilized CMOS Operational Amp	TLC2652CP	110-2937●	9.19	7.03	5.37	4.73	– –
2654	TI	8 / DIL	Low Noise Chopper-Stabilized CMOS Operational Amp. (IND TEMP)	TLC2654IP	305-4550	6.69	5.12	3.91	3.44	– –
2654	TI	8 / DIL	Low Noise Chopper-Stabilized CMOS Operational Amp. (IND TEMP)	TLC2654IPE4	121-4351●	6.69	5.12	3.91	3.44	– –
4122	MAX	5 / SOT-23	Wideband, Low Power, Single-Supply, Rail-to-Rail Input/Output CMOS Operational Amp	MAX4122EUK+T	SMD 118-7954●	4.05	3.10	2.38	– –	– –
6001	MCHIP	5 / SOT-23	Single General Purpose Rail-to-Rail Op Amp. 1MHz	MCP6001RT-I/OT	SMD 854-0829●	0.72	0.43	0.43	– –	– –
6001	MCHIP	5 / SC70	Single General Purpose Rail-to-Rail Op Amp. 1MHz	MCP6001T-I/LT	SMD 854-0837●	0.77	0.47	0.47	– –	– –
6001	MCHIP	5 / SOT-23	Single General Purpose Rail-to-Rail Op Amp. 1MHz	MCP6001T-I/OT	SMD 497-4992●	0.68	0.46	0.39	– –	– –
6001	MCHIP	5 / SOT-23	Single General Purpose Rail-to-Rail Op Amp. 1MHz	MCP6001UT-I/OT	SMD 854-0845●	0.72	0.43	0.43	– –	– –
6041	MCHIP	8 / DIL	CMOS, 600nA, Rail-to-Rail Input/Output Op. Amp (IND TEMP)	MCP6041-I/P	975-8682●	1.53	0.87	0.87	– –	– –
6041	MCHIP	8 / SOIC	CMOS, 600nA, Rail-to-Rail Input/Output Op. Amp. (IND TEMP)	MCP6041-I/SN	SMD 108-4311●	1.59	0.96	0.96	– –	– –
6061	NSC	8 / SOIC	CMOS, Precision Micropower Operational Amp., Supply Current=20µA, Vos=350µV max. (IND TEMP)	LMC6061AIM	SMD 949-4642●	4.12	2.92	2.13	– –	– –
6081	NSC	8 / SOIC	CMOS, Precision Operational Amp., Input bias Current=10fA,Vos=350µV max. (IND TEMP)	LMC6081AIM	SMD 121-5211●	7.70	5.59	4.19	– –	– –
6081	NSC	8 / DIL	CMOS Precision Operational Amp	LMC6081AIN	949-4251●	8.29	6.07	4.55	– –	– –
7101	NSC	5 / SOT-23	Tiny Low Power CMOS Operational Amp. with Rail-to-Rail Input and Output, Vos=6V, CMRR=55dB min, PSRR=50dB min	LMC7101AIM5	SMD 977-9914●	3.24	2.26	1.61	– –	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1510 Date: 22-08-06 time: 01:43

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Single										
7101	NSC	5 / SOT-23	Tiny Low Power CMOS Operational Amp. with Rail-to-Rail Input and Output, Vos=6V, CMRR=50dB min, PSRR=45dB min	LMC7101BIM5..	SMD 955-498	2.52	1.79	1.27	– –	– –
7101	NSC	5 / SOT-23	Tiny Low Power CMOS Operational Amp. with Rail-to-Rail Input and Output, Vos=6V, CMRR=50dB min, PSRR=45dB min	LMC7101BIM5	SMD 121-2200●	1.93	1.35	0.98	– –	– –
7111	NSC	5 / SOT-23	Tiny CMOS, Rail-to-Rail Input and Output Operational Amp.	LMC7111BIM5X	SMD 977-9701●	2.56	1.84	1.31	– –	– –
7611	INTS	8 / SOIC	Low Power, CMOS Operational Amp	ICL7611DCBA	SMD 401-675‡	1.94	1.69	1.33	1.11	– –
7611	INTS	8 / SOIC	Low Power, CMOS Operational Amp	ICL7611DCBAZ	SMD 101-8165●	2.00	1.74	1.37	1.14	– –
7611	INTS	8 / DIL	Low Power, CMOS Operational Amp., internally compensated - 15mV	ICL7611DCPA	401-687	2.19	1.91	1.50	1.25	– –
7611	INTS	8 / DIL	Low Power, CMOS Operational Amp., internally compensated - 15mV	ICL7611DCPAZ	101-8166●	2.26	1.96	1.54	1.28	– –
7612	INTS	8 / DIL	Low Power, CMOS Operational Amp., extended CMVR	ICL7612DCPA	633-392	2.73	2.38	1.87	1.56	– –
7612	INTS	8 / DIL	Low Power, CMOS Operational Amp., extended CMVR	ICL7612DCPAZ	121-6123●	2.81	2.45	1.92	1.60	– –
7650	INTS	14 / DIL	Chopper-Stabilised CMOS Operational Amp.	ICL7650SCPD	401-705	7.17	6.24	4.90	4.08	– –
8571	ADI	8 / SOIC	Zero-Drift, Single-Supply, Rail-to-Rail I/O Operational Amplifier (EXT TEMP)	AD8571ARZ	SMD 942-6078●	3.12	2.61	2.09	– –	– –
8655	ADI	8 / MSOP	Single, Low Noise, Rail-to-Rail I/O, Precision CMOS Op Amp	AD8655ARMZ-R2	SMD 107-8267●	3.02	2.52	2.02	– –	– –
Dual										
6	MCHIP	8 / MSOP	Rail-to-Rail I/O, Low-Gain Programmable Gain Amp	MCP6S92T-E/MS	SMD 875-2923●	3.17	1.85	1.85	– –	– –
27	TI	8 / SOIC	Dual, Lin-CMOS Operational Amp., low bias	TLC27L2CD..	SMD 594-647	1.94	1.39	1.04	0.70	– –
27	TI	8 / SOIC	Dual, Lin-CMOS Operational Amp., low bias	TLC27L2CD	SMD 110-6125	1.47	1.17	0.94	0.64	– –
27	TI	8 / DIL	Dual, Lin-CMOS Operational Amp., low bias	TLC27L2CP..	401-717	1.94	1.39	1.04	0.70	– –
27	TI	8 / DIL	Dual, Lin-CMOS Operational Amp., low bias	TLC27L2CP	110-3013●	1.47	1.17	0.94	0.64	– –
27	TI	8 / DIL	Dual, Lin-CMOS Operational Amp., medium bias	TLC27M2CP..	401-729	1.54	1.22	0.98	0.67	– –
27	TI	8 / DIL	Dual, Lin-CMOS Operational Amp., medium bias	TLC27M2CP	110-3014●	1.47	1.17	0.94	0.64	– –
27	ST	8 / SOIC	Dual, CMOS Operational Amp., low bias.	TS27L2CD.	SMD 787-243▲	2.15	1.64	1.25	1.10	– –
27	ST	8 / SOIC	Dual, CMOS Operational Amp., low bias.	TS27L2CD	SMD 109-4368●	2.15	1.64	1.25	1.10	– –
272	TI	8 / SOIC	Dual, Lin-CMOS Operational Amp., high bias	TLC272CD..	SMD 401-742	1.63	1.17	0.88	0.59	– –
272	TI	8 / SOIC	Dual, Lin-CMOS Operational Amp., high bias	TLC272CD	SMD 110-6022●	1.72	1.23	0.93	0.62	– –
272	TI	8 / DIL	Dual, Lin-CMOS Operational Amp., high bias	TLC272CP..	401-754	1.63	1.17	0.88	0.59	– –
272	TI	8 / DIL	Dual, Lin-CMOS Operational Amp., high bias	TLC272CP	110-3016●	1.72	1.23	0.93	0.62	– –
272	ST	8 / SOIC	Dual, Lin-CMOS Operational Amp. (IND TEMP)	TS272ID.	SMD 642-836▲	2.23	1.71	1.30	1.15	– –
272	ST	8 / SOIC	Dual, Lin-CMOS Operational Amp. (IND TEMP)	TS272ID	SMD 109-4367●	2.23	1.71	1.30	1.15	– –
295	ADI	8 / DIL	Dual, Rail-to-Rail Input and Output, CMOS, Operational Amp	OP295GPZ	960-5258●	5.61	4.50	3.75	– –	– –
457	MAX	8 / DIL	Dual, 70MHz, CMOS Unity-gain stable Video Amp	MAX457CPA+	118-8058●	22.29	17.06	12.96	– –	– –
602	MCHIP	8 / DIL	Dual, CMOS, Low Power, Rail-to-Rail Output Op. Amp. (IND TEMP)	MCP602-I/P	975-8658●	1.57	0.91	0.91	– –	– –
602	MCHIP	8 / SOIC	Dual, CMOS, Low Power, Rail-to-Rail Output Op. Amp. (IND TEMP)	MCP602-I/SN	SMD 975-8666●	1.57	0.91	0.91	– –	– –
662	NSC	8 / SOIC	Dual, Single Supply, Rail-to-Rail Output, CMOS Operational Amp., Input bias Current=2fA, Vos=3mV (EXTD TEMP)	LMC662AIM.	SMD 955-267‡	4.00	2.92	2.13	– –	– –
662	NSC	8 / SOIC	Dual, Single Supply, Rail-to-Rail Output, CMOS Operational Amp., Input bias Current=2fA, Vos=3mV (EXTD TEMP)	LMC662AIM	SMD 949-4782●	4.00	2.92	2.13	– –	– –
662	NSC	8 / SOIC	Dual, Low Power, CMOS Operational Amp. with Rail-to-Rail output swing	LPC662IM	SMD 949-3875●	4.67	3.43	2.50	– –	– –
662	NSC	8 / DIL	Dual, Single Supply, Rail-to-Rail Output, CMOS Operational Amp., Input bias Current=2fA, Vos=3mV (EXTD TEMP)	LMC662AIN.	955-279‡	4.43	3.22	2.35	– –	– –
662	NSC	8 / DIL	Dual, Single Supply, Rail-to-Rail Output, CMOS Operational Amp., Input bias Current=2fA, Vos=3mV (EXTD TEMP)	LMC662AIN	949-4790●	4.43	3.22	2.35	– –	– –
662	NSC	8 / DIL	Dual, CMOS Operational Amp	LMC662CN	948-7093●	3.88	2.88	2.10	– –	– –
662	NSC	8 / SOIC	Dual, CMOS Operational Amp	LMC662CM.	SMD 594-570‡	3.70	2.71	1.97	– –	– –
662	NSC	8 / SOIC	Dual, CMOS Operational Amp	LMC662CM	SMD 949-3395●	3.70	2.71	1.97	– –	– –
912	ST	8 / SOIC	CMOS, Dual, Rail-to-Rail I/O, Low Power (400µA/Amp.) Op. Amp.(SOIC)	TS912ID.	SMD 332-9331▲	2.49	1.90	1.45	1.28	– –
912	ST	8 / SOIC	CMOS, Dual, Rail-to-Rail I/O, Low Power (400µA/Amp.) Op. Amp.(SOIC)	TS912ID	SMD 109-4386●	2.49	1.90	1.45	1.28	– –
912	ST	8 / DIL	Dual, Low Power, Rail-to-Rail Input and Output, CMOS, Operational Amp. Single or Dual Supply.	TS912IN	975-6485●	2.49	1.90	1.45	1.28	– –
913	TS	8 / DIL	Dual Auto-Zeroed, CMOS Operational Amp.	TC913BCPA	976-2728●	7.91	5.44	4.92	– –	– –
922	ST	8 / SOIC	Dual, Rail-to-Rail I/O, high output current Operational Amp. (IND TEMP)	TS922ID	SMD 975-5292●	2.43	1.86	1.42	1.25	– –
942	ST	8 / DIL	Dual, Micropower, Rail-to-Rail Output, CMOS, Operational Amp (3V output - IND TEMP)	TS942IN.	101-539▲	3.91	2.99	2.28	2.01	– –
942	ST	8 / DIL	Dual, Micropower, Rail-to-Rail Output, CMOS, Operational Amp (3V output - IND TEMP)	TS942IN	109-4401●	3.91	2.99	2.28	2.01	– –
1051	LT	8 / DIL	Dual, Chopper-Stabilised, CMOS Operational Amp	LTC1051CN8	246-580▲	15.95	10.64	8.70	– –	– –
1051	LT	8 / DIL	Dual, Chopper-Stabilised, CMOS Operational Amp	LTC1051CN8#PBF	956-0785●	16.68	10.64	8.70	– –	– –
1051	LT	16 / SOIC	Dual, Chopper-Stabilised, CMOS Operational Amp	LTC1051CS#PBF	SMD 956-0793●	18.81	12.00	9.80	– –	– –
1035	LT	18 / SOIC	Quad , Precision Chopper Stabilised Operation Amplifiers with Internal Capacitors	LTC1053CSW#PBF	SMD 113-6625●	31.51	20.20	16.27	– –	– –
2202	TI	14 / SOIC	Dual, Lin-CMOS Low Noise Operational Amp. (IND TEMP)	TLC2202ID.	SMD 305-4494	9.88	7.56	5.77	5.08	– –
2202	TI	14 / SOIC	Dual, Lin-CMOS Low Noise Operational Amp. (IND TEMP)	TLC2202ID	SMD 110-2935●	10.25	7.84	5.99	5.27	– –
2202	TI	8 / DIL	Dual, Lin-CMOS Low Noise Operational Amp. (IND TEMP)	TLC2202IP	110-2936●	10.25	7.84	5.99	5.27	– –
2336	BB	8 / DIL	Dual, Single Supply, Micropower CMOS Operational Amp with low offset voltage, 125µV max.	OPA2336PA.	101-904‡	4.94	3.78	2.89	2.54	– –
2336	BB	8 / DIL	Dual, Single Supply, Micropower CMOS Operational Amp with low offset voltage, 125µV max.	OPA2336PA	109-7396	4.84	3.70	2.83	2.49	– –
2336	BB	8 / SOIC	Dual, Single Supply, Micropower CMOS Operational Amp with low offset voltage, 125µV max.	OPA2336UA.	SMD 101-916	4.72	3.61	2.76	2.43	– –
2336	BB	8 / SOIC	Dual, Single Supply, Micropower CMOS Operational Amp with low offset voltage, 125µV max.	OPA2336UA	SMD 110-6183●	4.84	3.70	2.83	2.49	– –
2337	BB	8 / DIL	Dual, Single Supply, Rail-to-Rail Output CMOS Operational Amp.	OPA2337PA.	102-246‡	2.85	2.18	1.61	1.39	– –
2337	BB	8 / DIL	Dual, Single Supply, Rail-to-Rail Output CMOS Operational Amp.	OPA2337PA	109-7410●	2.93	2.24	1.65	1.43	– –
2337	BB	8 / SOIC	Dual, CMOS, Rail-to-Rail Output, Single Supply Amp. 3MHz	OPA2337UA.	SMD 332-3869	3.12	2.39	1.76	1.52	– –
2337	BB	8 / SOIC	Dual, CMOS, Rail-to-Rail Output, Single Supply Amp. 3MHz	OPA2337UA	SMD 110-6190●	2.93	2.24	1.65	1.43	– –
2338	BB	8 / SOIC	Dual, Single Supply, =±5 gain stable CMOS Operational Amp. (IND TEMP)	OPA2338UA.	SMD 300-6244	3.12	2.39	1.76	1.52	– –
2338	TI	8 / SOIC	Dual, Single Supply, =±5 gain stable CMOS Operational Amp. (IND TEMP)	OPA2338UA	SMD 121-4348●	2.93	2.24	1.65	1.43	– –
2340	BB	8 / MSOP	Dual, CMOS, Rail-to-Rail I/O, Single Supply Amp. 5.5MHz	OPA2340EA/250	SMD 110-1540●	5.45	4.17	3.19	2.80	– –
2340	BB	8 / DIL	Dual, CMOS, Rail-to-Rail I/O, Single Supply Amp. 5.5MHz	OPA2340PA.	332-3870‡	5.45	4.17	3.19	2.80	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Dual										
2340	TI	8 / DIL	Dual, CMOS, Rail-to-Rail I/O, Single Supply Amp. 5.5MHz	OPA2340PAG4	117-8431●	5.45	4.17	3.19	2.80	– –
2340	BB	8 / SOIC	Dual, CMOS, Rail-to-Rail I/O, Single Supply Amp. 5.5MHz	OPA2340UA	SMD 110-1541●	5.45	4.17	3.19	2.80	– –
2342	BB	8 / MSOP	Dual, CMOS, Rail-to-Rail I/O, Single Supply Amp., Low Power 150µA	OPA2342EA/250.	SMD 334-8234‡	4.61	3.53	2.60	2.24	– –
2342	BB	8 / MSOP	Dual, CMOS, Rail-to-Rail I/O, Single Supply Amp., Low Power 150µA.	OPA2342EA/250	SMD 109-7491●	4.64	3.55	2.62	2.26	– –
2342	BB	8 / SOIC	Dual, CMOS, Rail-to-Rail I/O, Single Supply Amp., Low Power 150µA.	OPA2342UA.	SMD 332-3882‡	4.64	3.55	2.62	2.26	– –
2342	BB	8 / SOIC	Dual, CMOS, Rail-to-Rail I/O, Single Supply Amp., Low Power 150µA.	OPA2342UA	SMD 109-7473●	4.64	3.55	2.62	2.26	– –
2349	BB	8 / SOIC	Dual, Micropower, Rail-to-Rail, CMOS Operational Amp.	OPA2349UA	SMD 110-6194	4.44	3.55	2.62	2.26	– –
2349	TI	8 / SOIC	Dual, Micropower, Rail-to-Rail, CMOS Operational Amp.	OPA2349UAG4	SMD 121-9429●	4.64	3.55	2.62	2.26	– –
2350	BB	8 / MSOP	Dual, Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA2350EA/250.	SMD 334-8258‡	8.97	6.87	5.24	4.61	– –
2350	BB	8 / MSOP	Dual, Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA2350EA/250	SMD 109-7493●	8.97	6.87	5.24	4.61	– –
2350	BB	8 / SOIC	Dual, Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA2350UA.	SMD 334-8260	8.22	6.29	4.80	4.22	– –
2350	BB	8 / SOIC	Dual, Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA2350UA	SMD 110-1542●	8.97	6.87	5.24	4.61	– –
2350	BB	8 / DIL	Dual, Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA2350PA.	300-6190‡	8.40	6.43	4.91	4.32	– –
2350	BB	8 / DIL	Dual, Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA2350PA	109-7444	8.97	6.87	5.24	4.61	– –
6002	MCHIP	8 / MSOP	Dual General Purpose Rail-to-Rail Op Amp. 1MHz	MCP6002-I/MS	SMD 854-0853●	0.96	0.57	0.57	– –	– –
6022	MCHIP	8 / DIL	Dual, CMOS, Rail-to-Rail Input/Output Op. Amp. (IND TEMP)	MCP6022-I/P	975-8640●	3.28	1.89	1.89	– –	– –
6035	NSC	8 / SOIC	Dual, Low Power Single Supply CMOS Operational Amp.	LMC6035IM.	SMD 796-372‡	3.00	2.20	1.57	– –	– –
6035	NSC	8 / SOIC	Dual, Low Power Single Supply CMOS Operational Amp.	LMC6035IM	SMD 949-4286●	3.00	2.20	1.57	– –	– –
6042	NSC	8 / SOIC	Dual, CMOS Micropower Operational Amp., Supply Current=10µA/amp., Vos=3mV max. (IND TEMP)	LMC6042AIM	SMD 949-4596●	4.82	3.51	2.63	– –	– –
6042	NSC	8 / SOIC	Dual, CMOS Micropower Operational Amp., Supply Current=10µA/amp., Vos=6mV max. (IND TEMP)	LMC6042IM.	SMD 954-718‡	4.37	3.18	2.32	– –	– –
6042	NSC	8 / SOIC	Dual, CMOS Micropower Operational Amp., Supply Current=10µA/amp., Vos=6mV max. (IND TEMP)	LMC6042IM	SMD 949-4600●	4.37	3.18	2.32	– –	– –
6042	NSC	8 / DIL	Dual, CMOS Micropower Operational Amp., Supply Current=10µA/amp., Vos=6mV max. (IND TEMP)	LMC6042IN.	954-720‡	4.43	3.18	2.32	– –	– –
6042	NSC	8 / DIL	Dual, CMOS Micropower Operational Amp., Supply Current=10µA/amp., Vos=6mV max. (IND TEMP)	LMC6042IN	949-4618●	4.43	3.18	2.32	– –	– –
6042	MCHIP	8 / DIL	Dual, CMOS 600nA, Rail-to-Rail Op. Amp. (IND TEMP).	MCP6042-I/P.	396-8819	2.12	1.28	1.28	– –	– –
6042	MCHIP	8 / DIL	600 nA, Rail-to-Rail Input/Output Op Amps	MCP6042-I/P	113-7327●	2.12	1.28	1.28	– –	– –
6042	MCHIP	8 / SOIC	Dual, CMOS, 600nA, Rail-to-Rail Op. Amp. (IND TEMP).	MCP6042-I/SN	SMD 975-8690●	2.04	1.17	1.17	– –	– –
6062	NSC	8 / DIL	Dual, Micropower, Precision CMOS Operational Amp	LMC6062IN.	270-854‡	5.04	3.66	2.74	– –	– –
6062	NSC	8 / DIL	Dual, Micropower, Precision CMOS Operational Amp	LMC6062IN	948-6003●	5.04	3.66	2.74	– –	– –
6062	NSC	8 / SOIC	Dual, Precision CMOS Micropower Operational Amp., Supply Current=16µA/amp., Vos=800µV max. (IND TEMP).	LMC6062IM.	SMD 954-822‡	4.75	3.45	2.59	– –	– –
6062	NSC	8 / SOIC	Dual, Precision CMOS Micropower Operational Amp., Supply Current=16µA/amp., Vos=800µV max. (IND TEMP).	LMC6062IM	SMD 949-4669●	4.75	3.45	2.59	– –	– –
6082	NSC	8 / DIL	Dual, Precision CMOS Micropower Operational Amp., Input bias Current=10fA/amp., Vos=350µV max. (IND TEMP)	LMC6082AIN	949-4685●	10.17	7.39	5.54	– –	– –
6082	NSC	8 / SOIC	Dual, Precision CMOS Micropower Operational Amp., Input bias Current=10fA/amp., Vos=350µV max. (IND TEMP)	LMC6082AIM.	SMD 954-883‡	10.17	7.39	5.54	– –	– –
6082	NSC	8 / SOIC	Dual, Precision CMOS Micropower Operational Amp., Input bias Current=10fA/amp., Vos=350µV max. (IND TEMP)	LMC6082AIM	SMD 949-4677●	10.17	7.39	5.54	– –	– –
6082	NSC	8 / SOIC	Dual, Precision CMOS Micropower Operational Amp., Input bias Current=10fA/amp., Vos=800µV max. (IND TEMP)	LMC6082IM.	SMD 954-901‡	5.70	4.15	3.11	– –	– –
6082	NSC	8 / SOIC	Dual, Precision CMOS Micropower Operational Amp., Input bias Current=10fA/amp., Vos=800µV max. (IND TEMP)	LMC6082IM	SMD 949-4693●	5.70	4.15	3.11	– –	– –
6462	NSC	8 / SOIC	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp., Supply Current=20µA/amp., Vos=0.5mV max. (IND TEMP)	LMC6462AIM	SMD 949-4715●	5.92	4.30	3.22	– –	– –
6462	NSC	8 / DIL	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp., Supply Current=20µA/amp., Vos=0.5mV max. (IND TEMP)	LMC6462AIN.	954-561‡	6.08	4.42	3.31	– –	– –
6462	NSC	8 / DIL	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp., Supply Current=20µA/amp., Vos=0.5mV max. (IND TEMP)	LMC6462AIN	949-4588●	6.08	4.42	3.31	– –	– –
6462	NSC	8 / DIL	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp	LMC6462BIN.	642-710‡	5.04	3.66	2.74	– –	– –
6462	NSC	8 / DIL	Dual, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp	LMC6462BIN	949-3808●	5.04	3.66	2.74	– –	– –
6482	NSC	8 / DIL	Dual, Rail-to-Rail Input and Output, CMOS Operational Amp., Input Current=20fA/amp., Vos=0.75mV max. (IND TEMP)	LMC6482AIN	949-4731●	4.49	3.18	2.32	– –	– –
6482	NSC	8 / DIL	Dual, Rail-to-Rail Input and Output, CMOS Operational Amp	LMC6482IN	948-6062●	3.52	2.52	1.84	– –	– –
6482	NSC	8 / SOIC	Dual, Rail-to-Rail Input and Output, CMOS Operational Amp., Input Current=20fA/amp., Vos=0.75mV max. (IND TEMP)	LMC6482AIM	SMD 949-4723●	4.24	3.03	2.21	– –	– –
6482	NSC	8 / SOIC	Dual, Rail-to-Rail Input and Output, CMOS Operational Amp., Input Current=20fA/amp., Vos=3mV max. (IND TEMP)	LMC6482IM	SMD 949-4740●	3.64	2.57	1.88	– –	– –
7621	INTS	8 / DIL	Dual, Low Power, CMOS Operational Amp., internally compensated - 15mV	ICL7621DCPAZ	966-3665●	2.43	2.21	1.77	1.59	– –
7621	INTS	8 / SOIC	Dual, Low Power, CMOS Operational Amp	ICL7621DCBAZ	SMD 966-3657●	2.11	1.92	1.54	1.38	– –
8542	ADI	8 / SOIC	Dual, General purpose Rail-to-Rail Operational Amp	AD8542ARZ	SMD 942-5730●	1.02	0.87	0.72	– –	– –
8602	ADI	8 / SOIC	Dual, Precision CMOS Single Supply, Rail-to-Rail I/O, Wideband Operational Amplifier (EXT TEMP)	AD8602ARZ	SMD 960-4308●	2.34	1.98	1.58	– –	– –
8606	ADI	5 / SOT-23	Precision Low Noise CMOS Dual Rail-to-Rail Input/Output Operational Amp	AD8606ARZ	SMD 999-4343●	3.83	3.20	2.56	– –	– –
8652	ADI	8 / SOIC	50 MHz, Precision, Low Distortion, Low Noise CMOS Amplifiers	AD8652ARZ	SMD 999-4335●	6.53	5.45	4.36	– –	– –
Quad										
27	TI	14 / SOIC	Quad, Lin-CMOS Operational Amp., low bias	TLC27L4CD.	SMD 594-659	1.76	1.40	1.10	0.76	– –
27	TI	14 / SOIC	Quad, Lin-CMOS Operational Amp., low bias	TLC27L4CD	SMD 110-6127●	1.76	1.40	1.10	0.76	– –
27	TI	14 / DIL	Quad, Lin-CMOS Operational Amp., low bias	TLC27L4CN..	401-821	1.73	1.38	1.08	0.75	– –
27	TI	14 / DIL	Quad, Lin-CMOS Operational Amp., low bias	TLC27L4CN	110-3017●	1.76	1.40	1.10	0.76	– –

● Compliant
● Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1512 Date: 22-08-06 time: 01:44

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Quad										
27	TI	14 / DIL	Quad, Lin-CMOS Operational Amp., medium bias.	TLC27M4CN..	**401-833**	1.71	1.36	1.09	0.74	– –
27	TI	14 / DIL	Quad, Lin-CMOS Operational Amp., medium bias.	TLC27M4CN	**110-3018**●	1.76	1.40	1.10	0.76	– –
274	TI	14 / SOIC	Quad, Lin-CMOS Operational Amp., high bias.	TLC274CD..	SMD **401-845**	1.57	1.25	1.00	0.68	– –
274	TI	14 / SOIC	Quad, Lin-CMOS Operational Amp., high bias.	TLC274CD	SMD **110-3019**●	1.58	1.26	1.01	0.69	– –
274	TI	14 / DIL	Quad, Lin-CMOS Operational Amp., high bias.	TLC274CN	**110-3020**●	1.58	1.26	1.01	0.69	– –
604	MCHIP	14 / DIL	Quad, CMOS, Low Power, Rail-to-Rail Output Op. Amp.(IND TEMP)	MCP604-I/P	**975-8712**●	2.91	1.68	1.68	– –	– –
604	MCHIP	14 / SOIC	Quad, CMOS, Low Power, Rail-to-Rail Output Op. Amp.(IND TEMP)	MCP604-I/SL	SMD **975-8720**●	2.91	1.68	1.68	– –	– –
660	NSC	14 / DIL	Quad, CMOS Operational Amp - Industrial Temperature Range	LMC660AIN.	**401-870**‡	4.43	3.26	2.38	– –	– –
660	NSC	14 / DIL	Quad, CMOS Operational Amp - Industrial Temperature Range	LMC660AIN	**948-7107**●	4.43	3.26	2.38	– –	– –
660	NSC	14 / DIL	Quad, CMOS Operational Amp	LMC660CN.	**401-894**‡	3.76	2.75	2.01	– –	– –
660	NSC	14 / DIL	Quad, CMOS Operational Amp	LMC660CN	**948-7123**●	3.76	2.75	2.01	– –	– –
660	NSC	14 / SOIC	Quad, CMOS Operational Amp	LMC660CM.	SMD **401-882**‡	3.52	2.57	1.88	– –	– –
660	NSC	14 / SOIC	Quad, CMOS Operational Amp	LMC660CM	SMD **948-7115**●	3.52	2.57	1.88	– –	– –
914	ST	14 / SOIC	Quad, Rail to Rail, Low power (400µA/Amp.) Op. Amp.	TS914ID.	SMD **332-9343**▲	3.79	2.90	2.22	1.95	– –
914	ST	14 / SOIC	Quad, Rail to Rail, Low power (400µA/Amp.) Op. Amp.	TS914ID	SMD **109-4387**●	3.79	2.90	2.22	1.95	– –
914	ST	14 / DIL	Quad, Rail to Rail, Low power (400µA/Amp.) Op. Amp.	TS914IN.	**332-9355**▲	4.40	3.37	2.57	2.26	– –
914	ST	14 / DIL	Quad, Rail to Rail, Low power (400µA/Amp.) Op. Amp.	TS914IN	**109-4388**●	4.40	3.37	2.57	2.26	– –
924	ST	14 / SOIC	Quad, Rail-to-Rail, high output current Operational Amp. (IND TEMP)	TS924ID.	SMD **162-954**▲	4.03	3.08	2.35	2.07	– –
924	ST	14 / SOIC	Quad, Rail-to-Rail, high output current Operational Amp. (IND TEMP)	TS924ID	SMD **109-4392**●	4.03	3.08	2.35	2.07	– –
924	ST	14 / DIL	Quad, Rail-to-Rail, high output current (80mA) Op. Amp., 4MHz.	TS924IN.	**332-6299**▲	5.10	3.90	3.23	2.88	– –
924	ST	14 / DIL	Quad, Rail-to-Rail, high output current (80mA) Op. Amp., 4MHz.	TS924IN	**109-4393**●	5.10	3.90	3.23	2.88	– –
1035	LT	18 / SOIC	Quad , Precision Chopper Stabilised Operation Amplifiers with Internal Capacitors.	LTC1053CSW	SMD **386-2471**▲	35.87	22.26	18.52	– –	– –
4342	BB	14 / SOIC	Quad, CMOS, Rail-to-Rail I/O Single Supply Amp., Low Power 150µA.	OPA4342UA	SMD **109-7480**	7.13	5.45	4.16	3.66	– –
4342	TI	14 / SOIC	Quad, CMOS, Rail-to-Rail I/O Single Supply Amp., Low Power 150µA.	OPA4342UAG4	SMD **121-9413**●	7.13	5.45	4.16	3.66	– –
4350	BB	14 / SOIC	Quad, Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA4350UA.	SMD **300-6207**‡	15.25	11.67	9.67	8.62	– –
4350	BB	14 / SOIC	Quad, Single Supply, Rail-to-Rail CMOS Operational Amp. (IND TEMP)	OPA4350UA	SMD **109-7445**●	15.25	11.67	9.67	8.62	– –
6004	MCHIP	14 / TSSOP	Quad General Purpose Rail-to-Rail Op Amp. 1MHz	MCP6004-I/ST	SMD **854-0861**●	1.30	0.77	0.77	– –	– –
6036	NSC	14 / SOIC	Quad, Low Power Single Supply CMOS Operational Amp	LMC6036IM	SMD **949-4294**●	4.30	3.05	2.22	– –	– –
6044	NSC	14 / SOIC	Quad, CMOS Micropower Operational Amp., Supply Current=10µA/amp., Vos=6mV max. (IND TEMP)	LMC6044IM	SMD **949-4626**●	5.40	3.83	2.80	– –	– –
6044	NSC	14 / DIL	Quad, CMOS Micropower Operational Amp., Supply Current=10µA/amp., Vos=6mV max. (IND TEMP)	LMC6044IN	**949-4634**●	5.40	3.90	2.85	– –	– –
6044	MCHIP	14 / DIL	Quad, CMOS, 600nA, Rail-to-Rail Op. Amp. (IND TEMP).	MCP6044-I/P	**108-4312**●	3.70	2.24	2.24	– –	– –
6044	MCHIP	14 / SOIC	Quad, CMOS, 600nA, Rail-to-Rail Op. Amp. (IND TEMP).	MCP6044-I/SL	SMD **975-8704**●	3.56	2.04	2.04	– –	– –
6064	NSC	14 / DIL	Quad, Micropower, Precision CMOS Operational Amp	LMC6064IN	**948-6089**●	8.18	5.95	4.46	– –	– –
6084	NSC	14 / SOIC	Quad, Precision CMOS Operational Amp., Input bias Current=10fA, Vos=350µV max. (IND TEMP)	LMC6084AIM.	SMD **954-913**	14.61	11.04	8.64	– –	– –
6084	NSC	14 / SOIC	Quad, Precision CMOS Operational Amp., Input bias Current=10fA, Vos=350µV max. (IND TEMP)	LMC6084AIM	SMD **121-5212**●	13.07	9.88	7.73	– –	– –
6084	NSC	14 / SOIC	Quad, Precision CMOS Operational Amp., Input bias Current=10fA, Vos=800µV max. (IND TEMP)	LMC6084IM	SMD **949-4707**●	8.13	6.14	4.60	– –	– –
6084	NSC	14 / DIL	Quad, CMOS Precision Operational Amp	LMC6084AIN.	**792-706**‡	14.42	10.90	8.53	– –	– –
6241	MCHIP	8 / SOIC	50µA, 650KHz Rail-to-Rail OP Amp	MCP6241-E/SN	SMD **975-8739**●	0.79	0.46	0.46	– –	– –
6464	NSC	14 / DIL	Quad, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp, Supply Current=20µA/amp, Vos=3mV max. (IND TEMP)	LMC6464BIN.	**955-000**	8.34	6.06	4.54	– –	– –
6464	NSC	14 / DIL	Quad, Micropower, Rail-to-Rail Input and Output, CMOS Operational Amp, Supply Current=20µA/amp, Vos=3mV max. (IND TEMP)	LMC6464BIN	**121-5213**●	8.34	6.06	4.54	– –	– –
6484	NSC	14 / DIL	Quad, Rail-to-Rail Input and Output, CMOS Operational Amp., InputCurrent=20fA, Vos=0.75mV max. (IND TEMP)	LMC6484AIN.	**955-050**‡	6.40	4.66	3.49	– –	– –
6484	NSC	14 / DIL	Quad, Rail-to-Rail Input and Output, CMOS Operational Amp., InputCurrent=20fA, Vos=0.75mV max. (IND TEMP)	LMC6484AIN	**949-4766**●	6.40	4.66	3.49	– –	– –
6484	NSC	14 / DIL	Quad, Rail-to-Rail Input and Output, CMOS, Operational Amp	LMC6484IN	**948-6070**●	5.24	3.81	2.85	– –	– –
6484	NSC	14 / SOIC	Quad, Rail-to-Rail Input and Output, CMOS Operational Amp., InputCurrent=20fA, Vos=0.75mV max. (IND TEMP)	LMC6484AIM	SMD **949-4758**●	6.40	4.66	3.49	– –	– –
6484	NSC	14 / SOIC	Quad, Rail-to-Rail Input and Output, CMOS Operational Amp., InputCurrent=20fA, Vos=3mV max. (IND TEMP)	LMC6484IM	SMD **949-4774**●	4.99	3.63	2.72	– –	– –
6494	NSC	14 / SOIC	Quad, Rail-to-Rail Input and Output, CMOS Operational Amp., InputCurrent=150fA, Vos=6mV max. (IND TEMP)	LMC6494BEM.	SMD **955-127**	6.40	4.66	3.49	– –	– –
6494	NSC	14 / SOIC	Quad, Rail-to-Rail Input and Output, CMOS Operational Amp., InputCurrent=150fA, Vos=6mV max. (IND TEMP)	LMC6494BEM	SMD **121-5214**●	7.43	5.40	4.05	– –	– –
8544	ADI	14 / SOIC	Quad, General Purpose Rail-to-Rail Operational Amp	AD8544ARZ	SMD **942-5748**●	1.62	1.35	1.08	– –	– –
8554	ADI	14 / SOIC	Quad, Zero-Drift, Single-Supply, Rail-to-Rail I/O, Operational Amplifier (EXT TEMP)	AD8554ARZ	SMD **960-4286**●	10.71	8.04	5.94	– –	– –
8574	ADI	14 / SOIC	Quad, Zero-Drift, Single-Supply, Rail-to-Rail I/O Operational Amplifier (EXT TEMP)	AD8574ARZ	SMD **960-4294**●	8.96	7.47	5.98	– –	– –
8604	ADI	14 / SOIC	Quad, Precision CMOS Single Supply, Rail-to-Rail I/O, Wideband Operational Amplifier (EXT TEMP)	AD8604ARZ	SMD **960-4316**●	3.15	2.52	2.10	– –	– –

Buffer Amplifiers

211036

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3	INTS	8 / DIL	Monolithic, Wideband, high slew rate, high output current buffer(enhanced LH002)	HA3-5002-5	**406-170**	8.05	7.23	6.45	5.85	– –
3	INTS	8 / DIL	Monolithic, Wideband, high slew rate, high output current buffer(enhanced LH002)	HA3-5002-5Z	**101-8169**●	8.29	7.45	6.64	6.03	– –
496	MAX	16 / DIL	375MHz, Quad Closed Loop Buffer with Av= +1	MAX496CPE	**794-648**▲	23.17	17.73	13.47	– –	– –
633	BB	8 / DIL	High Speed Buffer Amp. Bandwidth 275MHz, slew rate 2500V/µs	OPA633KP.	**402-199**‡	17.81	15.30	13.19	11.87	– –
633	BB	8 / DIL	High Speed Buffer Amp. Bandwidth 275MHz, slew rate 2500V/µs	OPA633KP	**109-7539**	17.79	15.29	13.19	11.86	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
633	ADI	8 / SOIC	4-Quad Analogue Multiplier, Accuracy 2% max., 1MHz small signal bandwidth	AD633JRZ	SMD 942-6221 ●	11.49	9.63	7.35	– –	– –
634	BB	8 / DIL	High Speed Buffer Amp. Pin-selected bandwidth 30MHz/180MHz, slew rate 2000V/µs	BUF634P.	483-138‡	11.93	9.13	7.56	6.74	– –
634	TI	5 / TO/SOT	Power Booster/Buffer	BUF634TG3	SMD 120-7894 ●	15.84	12.12	10.04	8.95	– –
634	TI	8 / SOIC	Power Booster/Buffer	BUF634U	SMD 121-2267 ●	11.93	9.13	7.56	6.74	– –
634	TI	8 / SOIC	Power Booster/Buffer	BUF634U..	SMD 840-8270	11.99	9.18	7.60	6.78	– –
1112	INTS	8 / DIL	High Speed, Programmable Gain Buffer Amp	HFA1112IP	639-424	7.80	7.01	6.25	5.67	– –
1112	INTS	8 / DIL	High Speed, Programmable Gain Buffer Amp	HFA1112IPZ	121-6125 ●	8.04	7.22	6.44	5.84	– –
4178	MAX	8 / DIL	300MHz, Unity Gain Closed-Loop Buffer	MAX4178EPA	787-590 ▲	7.43	5.69	4.36	– –	– –
6559	NSC	5 / SOT-23	High-Speed, Closed-Loop Buffer	LMH6559MF	SMD 818-1004 ●	5.46	3.86	2.82	– –	– –
6559	NSC	8 / SOIC	High-Speed, Closed-Loop Buffer	LMH6559MA	SMD 818-0997 ●	5.46	3.86	2.82	– –	– –
6560	NSC	14 / TSSOP	Quad, High-Speed, Closed-Loop Buffer	LMH6560MT	SMD 818-1020 ●	11.63	8.45	6.33	– –	– –
6560	NSC	14 / SOIC	Quad, High-Speed, Closed-Loop Buffer	LMH6560MA	SMD 818-1012 ●	11.63	8.45	6.33	– –	– –
6718	NSC	8 / SOIC	Dual, High Output, Programmable Gain Buffer	LMH6718MA	SMD 818-1039 ●	6.40	4.66	3.49	– –	– –
8074	ADI	16 / TSSOP	500 MHz, G = +1, 2 Triple Video Buffer with Disable (IND TEMP)	AD8074ARUZ	SMD 942-6027 ●	6.37	5.31	4.25	– –	– –
8075	ADI	16 / TSSOP	500 MHz, G = +2, 2 Triple Video Buffer with Disable (IND TEMP)	AD8075ARUZ	SMD 942-6035 ●	6.37	5.31	4.25	– –	– –

Differential Amplifiers

210737

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
03	ADI	8 / DIL	Precision, Unity Gain Differential Amp. Non-Linearity 0.001% max.	AMP03GPZ	960-4081 ●	8.43	7.05	5.37	– –	– –
105	BB	8 / SOIC	Precision, Unity Gain Differential Amp. Non-Linearity 0.001% max.	INA105KU.	SMD 295-700‡	11.69	9.18	7.60	6.78	– –
105	BB	8 / DIL	Precision, Unity Gain Differential Amp. Non-Linearity 0.001% max.	INA105KP.	402-000‡	10.95	8.38	6.94	6.19	– –
105	BB	8 / SOIC	Precision, Unity Gain Differential Amp. Non-Linearity 0.001% max.	INA105KU	SMD 109-7436 ●	10.95	8.38	6.94	6.19	– –
105	BB	8 / DIL	Precision, Unity Gain Differential Amp. Non-Linearity 0.001% max.	INA105KP	109-7533	10.95	8.38	6.94	6.19	– –
106	BB	8 / DIL	Precision, Fixed Gain Differential Amp. Non-Linearity 0.001% max.	INA106KP.	402-011‡	16.32	14.02	12.10	10.88	– –
106	BB	8 / DIL	Precision, Fixed Gain Differential Amp. Non-Linearity 0.001% max.	INA106KP	109-7534	16.32	14.02	12.10	10.88	– –
106	TI	8 / SOIC	OP AMP, Differential	INA106U	SMD 121-2395 ●	16.32	14.02	12.10	10.88	– –
106	TI	8 / SOIC	OP AMP, Differential	INA106U.	SMD 846-6700	17.43	13.38	10.98	9.89	– –
117	BB	8 / DIL	Precision, High Common Mode Voltage, Unity-Gain Differential Amp., ±200V ac/dc	INA117P.	402-035‡	10.56	8.08	6.69	5.97	– –
117	BB	8 / DIL	Precision, High Common Mode Voltage, Unity-Gain Differential Amp., ±200V ac/dc	INA117P	109-7536	10.56	8.08	6.69	5.97	– –
132	BB	8 / SOIC	Low Power, Differential Amp	INA132UA.	SMD 101-990‡	4.43	3.39	2.59	2.28	– –
132	BB	8 / SOIC	Low Power, Differential Amp	INA132UA	SMD 109-7402	4.62	3.53	2.70	2.37	– –
132	TI	8 / SOIC	OP AMP, Differential, Low Power Single Supply	INA132U	SMD 121-2416 ●	6.16	4.71	3.60	3.17	– –
132	TI	8 / SOIC	OP AMP, Differential, Low Power Single Supply	INA132U..	SMD 846-6947	6.08	4.65	3.55	3.12	– –
133	BB	8 / SOIC	High Speed Precision Difference Amp., 1.5MHz bandwidth, Unity-gain, Non-linearity 0.002% max	INA133UA	SMD 109-7460 ●	4.62	3.53	2.70	2.37	– –
133	TI	8 / SOIC	OP AMP, Differential, High Speed.	INA133U	SMD 121-2417	6.16	4.71	3.60	3.17	– –
133	TI	8 / SOIC	OP AMP, Differential, High Speed.	INA133U..	SMD 846-6955	6.35	4.86	3.71	3.26	– –
134	TI	8 / SOIC	OP AMP, Differential, Line Receiver	INA134UAE4	SMD 120-6899 ●	4.62	3.53	2.70	2.37	– –
137	TI	8 / SOIC	OP AMP, Differential, Audio Line Receiver	INA137UA	SMD 121-2418 ●	4.62	3.53	2.70	2.37	– –
137	TI	8 / SOIC	OP AMP, Differential, Audio Line Receiver	INA137UA..	SMD 846-6971	4.78	3.66	2.79	2.46	– –
138	TI	5 / SOP	OP AMP, Differential	INA138NA/250G4	SMD 120-6900 ●	4.84	3.70	2.73	2.36	– –
143	BB	8 / SOIC	High Speed Precision Difference Amp., G=10 or G=0.1, Non-lin-earity 0.002% max	INA143UA	SMD 109-7461	4.62	3.53	2.70	2.37	– –
143	BB	8 / SOIC	High Speed Precision Difference Amp., G=10 or G=0.1, Non-lin-earity 0.002% max	INA143UA.	SMD 332-3729‡	4.48	3.43	2.62	2.30	– –
145	BB	8 / SOIC	Programmable Gain Difference Amp., G=1V/V to 1000V/V, Non-linearity 0.005% max	INA145UA	SMD 109-7462	6.60	5.05	3.86	3.39	– –
145	BB	8 / SOIC	Programmable Gain Difference Amp., G=1V/V to 1000V/V, Non-linearity 0.005% max	INA145UA.	SMD 332-3730‡	6.25	4.78	3.65	3.21	– –
146	BB	8 / SOIC	High Voltage Programmable Gain Difference Amp., ±100V at Vs±15V, Non-linearity 0.01% max	INA146UA	SMD 109-7463 ●	7.48	5.72	4.37	3.84	– –
146	BB	8 / SOIC	High Voltage Programmable Gain Difference Amp., ±100V at Vs±15V, Non-linearity 0.01% max	INA146UA.	SMD 332-3742‡	7.48	5.72	4.37	3.84	– –
148	TI	8 / SOIC	OP AMP, Differential	INA148UAG4	SMD 120-6902 ●	9.24	7.07	5.40	4.75	– –
152	TI	8 / VSSOP	OP AMP, Differential	INA152EA/250	SMD 120-6903 ●	5.28	4.04	3.08	2.71	– –
168	TI	5 / SOP	OP AMP, Differential	INA168NA/250	SMD 120-6907 ●	5.50	4.21	3.21	2.83	– –
547	BB	7 / TO-220	High Voltage/High current Power Operational Amp, operates from single or dual supplies	OPA547T	109-7395 ●	17.01	13.02	10.78	9.61	– –
626	ADI	8 / DIL	Single Supply Differential Amp. with pin selectable gains	AD626ANZ	960-5606 ●	10.26	8.61	6.57	– –	– –
628	ADI	8 / MSOP	High Common-Mode Voltage Programmable Gain Difference Amplifier	AD628ARMZ	SMD 114-3254 ●	4.98	4.23	3.45	– –	– –
628	ADI	8 / SOIC	High Common-Mode Voltage Programmable Gain Difference Amplifier	AD628ARZ	SMD 839-7201 ●	4.98	4.23	3.45	– –	– –
629	ADI	8 / DIL	High Common-Mode Voltage Difference Amplifier, ±270V Voltage Range, 10µV/°C Offset Drift (IND TEMP)	AD629ANZ	960-4227 ●	8.21	6.84	5.47	– –	– –
629	ADI	8 / DIL	High Common-Mode Voltage Difference Amplifier, ±270V Voltage Range, 20µV/°C Offset Drift (IND TEMP)	AD629BNZ	960-4235 ●	11.58	9.93	8.28	– –	– –
629	ADI	8 / SOIC	High Common-Mode Voltage Difference Amplifier	AD629ARZ	SMD 999-4203 ●	8.21	6.84	5.47	– –	– –
629	ADI	8 / SOIC	High Common-Mode Voltage Difference Amplifier	AD629BRZ	SMD 999-4220 ●	11.58	9.93	8.28	– –	– –
830	ADI	8 / DIL	High Speed, Video Difference Amp. (IND TEMP)	AD830ANZ	107-9432 ●	8.73	7.32	5.58	– –	– –
1632	TI	8 / SOIC	OP AMP Differential, High Speed	OPA1632D	SMD 846-7455 ●	7.70	5.89	4.50	3.96	– –
1632	TI	8 / HTSSOP	OP AMP Differential, High Speed	OPA1632DGN	SMD 846-7463 ●	7.70	5.89	4.50	3.96	– –
2132	TI	14 / SOIC	OP AMP, Differential, Dual	INA2132UAE4	SMD 120-6909 ●	7.92	6.06	4.63	4.07	– –
2133	TI	14 / SOIC	Dual High Speed Precision Difference Amp., 1.5MHz Bandwidth, Unity-gain, Non-linearity 0.002% max	INA2133UE4	SMD 117-8429 ●	10.34	7.91	6.04	5.31	– –
2133	BB	14 / SOIC	Dual High Speed Precision Difference Amp., 1.5MHz Bandwidth, Unity-gain, Non-linearity 0.002% max	INA2133U.	SMD 332-3766‡	9.37	7.17	5.94	5.30	– –
2141	ADI	8 / SOIC	Differential Amp with balanced line inputs and high common mode rejection	SSM2141SZ	SMD 107-9392 ●	4.82	4.01	3.21	– –	– –
2142	ADI	16 / SOIC	Differential output Amp with single ended input and high output drive	SSM2142SZ	SMD 942-6329 ●	7.65	6.42	4.89	– –	– –
3054	INTS	14 / DIL	Dual, Independent Differential Amp.	CA3054MZ	120-1538 ●	1.63	1.46	1.30	1.18	– –
4120	TI	8 / HTSSOP	OP AMP, Differential	THS4120IDGN	SMD 845-3241 ●	8.80	6.73	5.14	4.52	– –
4130	TI	8 / SOIC	High speed, low noise, fully-differential I/O Amp.	THS4130ID	SMD 110-3108 ●	11.34	8.68	7.19	6.41	– –
4131	TI	8 / MSOP	High speed, low noise, fully-differential I/O Amp.	THS4131CDGN	SMD 110-3047 ●	11.53	8.83	7.31	6.52	– –
4131	TI	8 / SOIC	OP AMP, Differential	THS4131ID	SMD 845-3250 ●	11.14	8.53	7.06	6.30	– –
4140	TI	8 / SOIC	OP AMP, Differential	THS4140ID	SMD 845-3268 ●	13.68	10.47	8.68	7.74	– –
4141	TI	8 / SOIC	OP AMP, Differential	THS4141ID	SMD 845-3276 ●	13.68	10.47	8.68	7.74	– –
4150	TI	8 / SOIC	OP AMP, Differential	THS4150ID	SMD 845-3284 ●	18.77	14.36	11.79	10.61	– –
4151	TI	8 / SOIC	OP AMP, Differential	THS4151ID	SMD 845-3292 ●	18.77	14.36	11.79	10.61	– –
4500	TI	8 / SOIC	OP AMP, Differential	THS4500ID	SMD 845-3365 ●	14.66	11.22	9.29	8.29	– –
4501	TI	8 / SOIC	OP AMP, Differential	THS4501ID	SMD 845-3373 ●	14.66	11.22	9.29	8.29	– –
4502	TI	8 / SOIC	OP AMP, Differential	THS4502ID	SMD 845-3381 ●	16.03	12.27	10.16	9.06	– –
4502	TI	8 / HTSSOP	OP AMP, Differential	THS4502IDGN	SMD 845-3390 ●	16.03	12.27	10.16	9.06	– –
4503	TI	8 / SOIC	Wideband fully differential Amp (IND TEMP).	THS4503ID	SMD 110-6060	16.03	12.27	10.16	9.06	– –
4503	TI	8 / SOIC	Wideband fully differential Amp (IND TEMP).	THS4503ID.	SMD 501-2028	16.57	12.68	10.50	9.36	– –
4503	TI	8 / HTSSOP	OP AMP, Differential	THS4503IDGN	SMD 845-3403 ●	16.03	12.27	10.16	9.06	– –
4505	TI	8 / SOIC	OP AMP, Differential	THS4505D	SMD 845-3411 ●	7.30	5.59	4.27	3.75	– –
4509	TI	16 / QFN	Wideband, Low Noise, Low Distortion, Fully Differential Amplifier	THS4509RGTT	SMD 959-4027 ●	15.05	11.52	9.54	8.51	– –
8130	ADI	8 / SOIC	270 MHz Differential Line Receiver Amplifier (IND TEMP)	AD8130ARZ	SMD 960-4278 ●	4.56	3.90	3.27	– –	– –
8132	ADI	8 / SOIC	350MHz High-Speed Differential Amplifier (IND TEMP)	AD8132ARZ	SMD 942-6043 ●	5.35	4.46	3.56	– –	– –
8138	ADI	8 / SOIC	Single High Speed Differential Amp	AD8138ARZ	SMD 862-1551 ●	9.33	8.43	7.56	– –	– –
8139	ADI	8 / LFCSP	Ultra Low Noise Fully Differential ADC Driver	AD8139ACPZ-R2	SMD 107-8297 ●	14.36	11.97	9.58	– –	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
8202	ADI	8 / MSOP	High Common-Mode Voltage, Single-Supply Difference Amplifier - 50MHz	AD8202YRMZ	SMD 107-8295	3.83	3.20	2.56	– –	– –
8202	ADI	8 / SOIC	High Common-Mode Voltage, Single-Supply Difference Amplifier - 50MHz	AD8202YRZ	SMD 107-8296	3.83	3.20	2.56	– –	– –
8203	ADI	8 / MSOP	High Common-Mode Voltage, Single-Supply Difference Amplifier - 60MHz	AD8203YRMZ	SMD 107-8294	3.83	3.20	2.56	– –	– –
8205	ADI	8 / SOIC	Single Supply 42V System, Difference Amplifier	AD8205YRZ	SMD 907-9416	3.83	3.20	2.56	– –	– –
8331	ADI	20 / QSOP	Ultralow Noise VGAs with Preamplifier and Programmable Input Resistance	AD8331ARQZ	SMD 114-3289	14.22	9.66	– –	– –	– –
8351	ADI	10 / MSOP	Low Distortion Differential RF/IF Amplifier	AD8351ARMZ	SMD 839-7945	9.69	8.43	7.02	– –	– –

Instrumentation Amplifiers

210738

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
02	ADI	8 / DIL	High Accuracy, Low Noise, Low Offset, Instrumentation Amp, 1 external resistor sets gain from 1 to 1000	AMP02EPZ	960-3590	27.90	23.37	17.82	– –	– –
02	ADI	8 / DIL	High Accuracy, Low Noise, Low Offset, Instrumentation Amp. - 1 external resistor sets gain from 1 to 10,000	AMP02FPZ	960-4928	16.36	13.64	10.91	– –	– –
04	ADI	8 / DIL	Precision Single Supply Instrumentation Amp. - 1 external resistor sets gain from 1 to 1000	AMP04FPZ	960-3816	14.85	12.38	9.90	– –	– –
6	MCHIP	8 / MSOP	1 Channel, Single Ended, Rail-to-Rail I/O, Low Gain PGA	MCP6S91-E/MS	SMD 919-0465	2.54	1.41	1.41	– –	– –
6	MCHIP	8 / DIL	1 Channel, Single Ended, Rail-to-Rail I/O, Low Gain PGA	MCP6S91-E/P	919-0473	2.64	1.52	1.52	– –	– –
6	MCHIP	8 / SOIC	1 Channel, Single Ended, Rail-to-Rail I/O, Low Gain PGA	MCP6S91-E/SN	SMD 919-0481	2.54	1.41	1.41	– –	– –
6	MCHIP	8 / MSOP	2 Channel, Single Ended, Rail-to-Rail I/O, Low Gain PGA	MCP6S92-E/MS	SMD 919-0490	3.05	1.68	1.68	– –	– –
6	MCHIP	8 / DIL	2 Channel, Single Ended, Rail-to-Rail I/O, Low Gain PGA	MCP6S92-E/P	919-0503	3.10	1.79	1.79	– –	– –
6	MCHIP	8 / SOIC	2 Channel, Single Ended, Rail-to-Rail I/O, Low Gain PGA	MCP6S92-E/SN	SMD 919-0511	3.05	1.68	1.68	– –	– –
6	MCHIP	10 / MSOP	2 Channel, Single Ended, Rail-to-Rail I/O, Low Gain PGA	MCP6S93-E/UN	SMD 919-0520	3.70	2.11	2.11	– –	– –
101	BB	16 / SOIC	Precision Instrumentation Amp. - 1 external resistor sets gains of 1, 10, 100, 1000	INA101KU.	SMD 295-711‡	26.15	21.86	19.38	17.43	– –
101	BB	14 / DIL	Precision Instrumentation Amp. - 1 external resistor sets gains of 1, 10, 100, 1000	INA101HP.	401-985‡	25.79	21.56	19.11	17.19	– –
101	BB	16 / SOIC	Precision Instrumentation Amp. - 1 external resistor sets gains of 1, 10, 100, 1000	INA101KU	SMD 109-7437	25.96	21.69	19.23	17.30	– –
101	BB	14 / DIL	Precision Instrumentation Amp. - 1 external resistor sets gains of 1, 10, 100, 1000	INA101HP	109-7531	25.79	21.56	19.11	17.19	– –
103	TI	16 / PDIP	OP AMP, Instrumentation, Low Noise	INA103KP	121-2392	16.32	14.02	12.10	10.88	– –
103	TI	16 / SOIC	OP AMP, Instrumentation, Low Noise	INA103KU	SMD 121-2393	16.32	14.02	12.10	10.88	– –
103	TI	16 / PDIP	OP AMP, Instrumentation, Low Noise	INA103KP..	846-6688	17.21	14.79	12.75	11.47	– –
103	TI	16 / SOIC	OP AMP, Instrumentation, Low Noise	INA103KU..	SMD 846-6696	16.89	14.51	12.51	11.25	– –
110	BB	16 / DIL	Precision Monolithic FET Instrumentation Amp. - internal gains 1, 10, 200, 500	INA110KP.	402-023‡	22.85	19.64	16.93	15.23	– –
110	BB	16 / DIL	Precision Monolithic FET Instrumentation Amp. - internal gains 1, 10, 200, 500	INA110KP	109-7535	22.85	19.64	16.93	15.23	– –
111	BB	16 / SOIC	High Speed FET - Input Instrumentation Amp	INA111AU	SMD 109-7564	16.42	12.57	10.41	9.28	– –
111	TI	8 / PDIP	OP AMP, Instrumentation	INA111BP	121-2397	21.87	18.79	16.21	14.58	– –
111	TI	16 / SOIC	OP AMP, Instrumentation	INA111BU	SMD 121-2398	21.87	18.79	16.21	14.58	– –
111	TI	16 / SOIC	High Speed FET - Input Instrumentation Amp	INA111AUE4	SMD 121-9424	16.42	12.57	10.41	9.28	– –
111	TI	8 / PDIP	OP AMP, Instrumentation	INA111BP..	846-6726	22.03	18.93	16.33	14.68	– –
111	TI	16 / SOIC	OP AMP, Instrumentation	INA111BU..	SMD 846-6734	19.57	16.81	14.50	13.04	– –
114	BB	8 / DIL	Precision Instrumentation Amp	INA114AP.	270-775	16.42	12.57	10.41	9.28	– –
114	TI	16 / SOIC	Precision Instrumentation Amp	INA114AUE4	SMD 117-8436	16.42	12.57	10.41	9.28	– –
114	TI	8 / PDIP	AMP, Instrumentation	INA114BP	121-2399	18.61	15.99	13.79	12.40	– –
114	TI	16 / SOIC	OP AMP, Instrumentation	INA114BU	SMD 121-2401	18.61	15.99	13.79	12.40	– –
114	TI	8 / PDIP	AMP, Instrumentation	INA114BP..	846-6742	17.75	15.25	13.15	11.83	– –
114	TI	16 / SOIC	OP AMP, Instrumentation	INA114BU..	SMD 846-6750	19.82	17.03	14.69	13.21	– –
116	BB	16 / DIL	FET-Input Instrumentation Amp. - 1 external resistor sets gains from 1 to 1000	INA116PA	109-7558	16.42	12.57	10.41	9.28	– –
116	TI	16 / SOIC	OP AMP, Instrumentation	INA116UA	SMD 121-2402	16.42	12.57	10.41	9.28	– –
116	TI	16 / DIL	FET-Input Instrumentation Amp. - 1 external resistor sets gains from 1 to 1000	INA116PAG4	121-9422	16.42	12.57	10.41	9.28	– –
116	TI	16 / SOIC	OP AMP, Instrumentation	INA116UA..	SMD 846-6769	17.09	13.08	10.74	9.66	– –
118	BB	8 / DIL	Precision, Low Power, Instrumentation Amp. - 1 external resistor sets gains of 1 to 10,000	INA118P	109-7546	16.23	12.42	10.29	9.17	– –
118	TI	8 / PDIP	OP AMP, Instrumentation	INA118PB	121-2403	21.06	18.09	15.60	14.04	– –
118	TI	8 / SOIC	OP AMP, Instrumentation	INA118U	SMD 121-2404	16.23	12.42	10.29	9.17	– –
118	TI	8 / SOIC	OP AMP, Instrumentation	INA118UB	SMD 121-2405	21.06	18.09	15.60	14.04	– –
118	TI	8 / PDIP	OP AMP, Instrumentation	INA118PB..	846-6785	21.55	18.52	15.97	14.37	– –
118	TI	8 / SOIC	OP AMP, Instrumentation	INA118U..	SMD 846-6793	15.07	11.53	9.55	8.52	– –
118	TI	8 / SOIC	OP AMP, Instrumentation	INA118UB..	SMD 846-6807	22.17	19.05	16.43	14.78	– –
121	BB	8 / DIL	Low Power Instrumentation Amp	INA121PA.	112-690‡	10.00	7.65	6.34	5.65	– –
121	TI	8 / SOIC	OP AMP, Instrumentation	INA121U	SMD 121-2406	13.88	10.62	8.80	7.85	– –
121	TI	8 / SOIC	OP AMP, Instrumentation	INA121U..	SMD 846-6815	14.59	11.17	9.25	8.25	– –
122	BB	8 / DIL	Single Supply, Micropower Instrumentation Amplifier for precision, low-noise differential signal acquisition	INA122PA.	101-862	9.24	7.07	5.40	4.75	– –
122	BB	8 / SOIC	Single Supply, Micropower Instrumentation Amplifier for precision, low-noise differential signal acquisition	INA122UA	SMD 109-7394	9.24	7.07	5.40	4.75	– –
122	TI	8 / SOIC	OP AMP, Instrumentation	INA122U	SMD 121-2407	10.75	8.23	6.82	6.08	– –
122	TI	8 / DIL	Single Supply, Micropower Instrumentation Amplifier for precision, low-noise differential signal acquisition	INA122PA	121-2848	9.24	7.07	5.40	4.75	– –
125	BB	16 / DIL	Instrumentation Amp. with programmable voltage reference	INA125PA.	794-788‡	9.02	6.90	5.27	4.64	– –
126	BB	8 / SOIC	Instrumentation Amp. for precision low-noise differential signal acquisition	INA126UA.	SMD 101-977‡	4.40	3.37	2.57	2.26	– –
126	BB	8 / DIL	Instrumentation Amp. for precision low-noise differential signal acquisition	INA126PA	109-7400	4.40	3.37	2.57	2.26	– –
126	BB	8 / SOIC	Instrumentation Amp. for precision low-noise differential signal acquisition	INA126UA	SMD 109-7401	4.40	3.37	2.57	2.26	– –
126	TI	8 / VSSOP	OP AMP, Instrumentation	INA126EA	SMD 121-2408	6.80	5.89	5.57	– –	– –
126	TI	8 / SOIC	OP AMP, Instrumentation	INA126U	SMD 121-2409	5.85	4.48	3.42	3.01	– –
126	TI	8 / VSSOP	OP AMP, Instrumentation	INA126EA.	SMD 846-6840	4.69	3.59	2.74	2.41	– –
126	TI	8 / SOIC	OP AMP, Instrumentation	INA126U..	SMD 846-6858	5.36	4.10	3.13	2.75	– –
128	TI	8 / SOIC	OP AMP, Instrumentation	INA128UAE4	SMD 120-6896	11.34	8.68	7.19	6.41	– –
128	TI	8 / PDIP	OP AMP, Instrumentation	INA128P	121-2410	18.38	14.06	11.54	10.39	– –
128	TI	8 / PDIP	OP AMP, Instrumentation	INA128PA	121-2411	11.34	8.68	7.19	6.41	– –
128	TI	8 / SOIC	OP AMP, Instrumentation	INA128U	SMD 121-2413	18.38	14.06	11.54	10.39	– –
128	TI	8 / PDIP	OP AMP, Instrumentation	INA128PA..	846-6874	11.19	8.57	7.10	6.33	– –
128	TI	8 / SOIC	OP AMP, Instrumentation	INA128U..	SMD 846-6882	18.37	14.06	11.54	10.38	– –
129	TI	8 / SOIC	OP AMP, Instrumentation, Low Power	INA129UAE4	SMD 120-6897	11.34	8.68	7.19	6.41	– –
129	TI	8 / PDIP	OP AMP, Instrumentation, Low Power	INA129P	121-2414	18.38	14.06	11.54	10.39	– –
129	TI	8 / SOIC	OP AMP, Instrumentation, Low Power	INA129U	SMD 121-2415	18.38	14.06	11.54	10.39	– –
129	TI	8 / PDIP	OP AMP, Instrumentation, Low Power	INA129P.	846-6904	16.91	12.94	10.72	9.56	– –
129	TI	8 / SOIC	OP AMP, Instrumentation, Low Power	INA129U..	SMD 846-6920	17.99	13.77	11.30	10.17	– –
131	BB	8 / DIL	Precision Instrumentation Amp. Fixed gain of 100	INA131AP.	270-787‡	14.86	11.37	9.42	8.40	– –
131	BB	8 / DIL	Precision Instrumentation Amp. Fixed gain of 100	INA131AP	109-7434	14.86	11.37	9.42	8.40	– –
141	TI	8 / SOIC	OP AMP, Instrumentation	INA141U	SMD 121-2419	17.70	15.20	13.11	11.79	– –
141	TI	8 / SOIC	OP AMP, Instrumentation	INA141U..	SMD 846-7005	16.58	14.25	12.29	11.05	– –
155	BB	8 / SOIC	Single Supply, Rail-to-Rail CMOS Instrumentation Amp. Gain=10V/V OR 50V/V	INA155UA	SMD 110-6188	4.84	3.70	2.83	2.49	– –
155	TI	8 / SOIC	OP AMP, Instrumentation, Rail-to-Rail	INA155UG4	SMD 120-6905	6.38	4.88	3.73	3.28	– –
155	BB	8 / SOIC	Single Supply, Rail-to-Rail CMOS Instrumentation Amp. Gain=10V/V OR 50V/V	INA155UA.	SMD 332-3754	4.86	3.72	2.84	2.50	– –
163	TI	14 / SOIC	OP AMP, Instrumentation	INA163UAE4	SMD 120-6906	9.77	7.48	6.20	5.52	– –
202	BB	14 / DIL	Monolithic Instrumentation Amp., decade model, programmable gains of 1, 10, 100, 1000	PGA202KP.	402-047‡	25.30	21.74	18.75	16.86	– –
202	BB	14 / DIL	Monolithic Instrumentation Amp., decade model, programmable gains of 1, 10, 100, 1000	PGA202KP	109-7537	25.30	21.74	18.75	16.86	– –
204	BB	16 / DIL	Precision Instrumentation Amp., decade model, programmable gains of 1, 10, 100, 1000	PGA204AP.	295-802‡	24.00	20.62	17.78	16.00	– –
205	BB	16 / DIL	Precision Instrumentation Amp., binary model, programmable gains of 1, 2, 4, 8	PGA205AP.	295-814‡	22.47	19.30	16.65	14.98	– –
206	TI	16 / DIL	High Speed, Programmable Gain Instrumentation Amp. Logic controlled gains of 1, 2, 4, 8	PGA206PAG4	120-2024	31.67	27.50	25.06	23.50	– –
217	TI	8 / PDIP	OP AMP, Instrumentation	INA217AIP	121-2423	9.77	7.48	6.20	5.52	– –
217	TI	8 / PDIP	OP AMP, Instrumentation	INA217AIP..	846-7153	10.42	7.98	6.61	5.89	– –
321	TI	8 / VSSOP	OP AMP, Instrumentation, MicroPower CMOS	INA321E/250G4	SMD 120-6911	6.60	5.05	3.86	3.39	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
321	TI	8 / VSSOP	OP AMP, Instrumentation, MicroPower CMOS	INA321EA/250G4	SMD 120-6912●	4.84	3.70	2.83	2.49	– –
327	TI	10 / VSSOP	OP AMP, Instrumentation, Low Power	INA327EA/250	SMD 120-6913●	8.58	6.56	5.01	4.41	– –
337	TI	8 / MSOP	Wide temperature precision Instrumentation Amp	INA337AIDGKT	SMD 110-0951	7.92	6.06	4.63	4.07	– –
524	ADI	16 / DIL	Precision Instrumentation Amp. - pin programmable gains: 1, 10,100, 1000	AD524AD	402-138▲	33.20	27.67	22.13	– –	– –
524	ADI	16 / DIL	Precision Instrumentation Amp., low drift - pin programmable gains: 1, 10, 100, 1000	AD524BD	642-782▲	54.54	45.63	34.77	– –	– –
524	ADI	16 / DIL	Precision, Pin Programmable Gains, Low Noise 0.3μV 0.1Hz to10Hz (Cerdip)	AD524CD	318-2101▲	86.02	71.68	57.34	– –	– –
620	ADI	8 / DIL	Low Power, Instrumentation Amp. 1 external resistor sets gains of 1 to 1000	AD620ANZ	107-9404●	9.57	8.22	6.84	– –	– –
620	ADI	8 / SOIC	Low Power Instrumentation Amp	AD620ARZ	SMD 942-6183●	9.57	8.22	6.84	– –	– –
620	ADI	8 / SOIC	Low Power Instrumentation Amp	AD620BRZ	SMD 942-6191●	14.40	12.33	10.26	– –	– –
620	ADI	8 / DIL	Low Power, Instrumentation Amp. 1 external resistor sets gains of 1 to 1000 (50μV max i/p offset voltage)	AD620BNZ	960-3522●	14.40	12.33	10.26	– –	– –
621	ADI	8 / DIL	Low Drift, Low Power, Instrumentation Amp. Pin-strappable gains of 10 to 100	AD621ANZ	960-3808●	11.19	9.60	8.01	– –	– –
622	ADI	8 / SOIC	Low Power Instrumentation Amp	AD622ARZ	SMD 942-6205●	6.60	5.64	4.71	– –	– –
622	ADI	8 / DIL	Instrumentation Amp. with optional gain range (2 to 1000) set by an external resistor (IND TEMP)	AD622ANZ	960-5614●	6.60	5.64	4.71	– –	– –
623	ADI	8 / SOIC	Low Power Instrumentation Amp	AD623ARZ	SMD 942-6213●	3.90	3.24	2.76	– –	– –
623	ADI	8 / DIL	Single Supply, Rail-to-Rail Instrumentation Amp. gain range 1 to1000, set by an external resistor	AD623ANZ	960-3700●	4.97	4.14	3.31	– –	– –
624	ADI	16 / DIL	Low Noise, Low Gain, precision instrumentation amp. Pin programmable gains: 1, 100, 200, 500, 1000. (200μVmax i/p offset voltage)	AD624AD	102-076▲	64.69	54.61	35.48	– –	– –
624	ADI	16 / DIL	Low Noise, Low Gain, precision instrumentation amp. Pin programmable gains: 1, 100, 200, 500, 1000. (75μVmax i/p offset voltage)	AD624BD	102-088▲	68.40	57.24	43.62	– –	– –
625	ADI	16 / DIL	Programmable Gain (1 to 1000) Instrumentation Amp. I/P drift<0.25μV/°C, O/P drift <15μV/°C. Gain Error ±0.02%. Temp. Coefficient 5 ppm/°C. Temp. range -40°C to +85°C (Ceramic)	AD625CD	318-2289▲	103.14	85.95	68.76	– –	– –
625	ADI	16 / DIL	Programmable Gain, Precision Instrumentation Amp. - 3 external resistors set gain from 1 to 10,000.	AD625JNZ	960-4936●	24.36	20.37	15.54	– –	– –
627	ADI	8 / DIL	Micropower, Rail-to-Rail output Instrumentation Amp	AD627ANZ	960-3824●	6.75	5.79	4.83	– –	– –
627	ADI	8 / SOIC	Micropower, Single and Dual Supply, Rail-to-Rail Instrumentation Amplifier	AD627ARZ	SMD 999-4211●	6.75	5.79	4.83	– –	– –
725	NSC	8 / DIL	Instrumentation Operational Amp	LM725CN.	402-205‡	5.14	3.74	2.80	– –	– –
725	NSC	8 / DIL	Instrumentation Operational Amp	LM725CN	948-7158●	5.14	3.74	2.80	– –	– –
1100	LT	8 / DIL	Precision, Chopper-Stabilized Instrumentation Amp	LTC1100CN8	796-335▲	25.03	15.97	12.92	– –	– –
1100	LT	8 / DIL	Precision, Chopper-Stabilized Instrumentation Amp	LTC1100CN8#PBF	956-0866●	25.03	15.97	12.92	– –	– –
1101	LT	8 / DIL	Precision, Micropower Instrumentation Amp. with fixed Gains=10 or 100	LT1101CN8	796-300▲	18.28	11.67	9.53	– –	– –
1101	LT	8 / DIL	Precision, Micropower Instrumentation Amp. with fixed Gains=10 or 100	LT1101CN8#PBF	955-9930●	18.28	11.67	9.53	– –	– –
1167	LT	8 / DIL	Gain Programmable, Precision Insrumentation Amplifier	LT1167AIN8	386-2082▲	28.36	18.10	14.65	– –	– –
1167	LT	8 / DIL	Gain Programmable, Precision Insrumentation Amplifier	LT1167CN8	386-2094▲	14.18	9.05	7.39	– –	– –
1167	LT	8 / DIL	Gain Programmable, Precision Insrumentation Amplifier	LT1167AIN8#PBF	956-0130●	28.36	18.10	14.65	– –	– –
1167	LT	8 / DIL	Gain Programmable, Precision Insrumentation Amplifier	LT1167CN8#PBF	956-0149●	14.18	9.05	7.39	– –	– –
2126	BB	16 / DIL	Dual, Precision Micropower Instrumentation Amp for low noise differential signal acquisition and low quiescent current	INA2126PA.	102-222‡	6.95	5.31	4.06	3.57	– –
2126	BB	16 / DIL	Dual, Precision Micropower Instrumentation Amp for low noise differential signal acquisition and low quiescent current	INA2126PA	109-7408	7.13	5.45	4.16	3.66	– –
2128	TI	16 / SOIC	Dual Instrumentation AMPLIFIER	INA2128U	SMD 121-2421●	24.36	20.93	18.05	16.23	– –
2128	TI	16 / SOIC	Dual Instrumentation AMPLIFIER	INA2128U..	SMD 846-7110	23.47	20.17	17.39	15.65	– –
2332	TI	14 / TSSOP	OP AMP, Instrumentation, Dual Low Power Wide Bandwidth	INA2332AIPWRG4	SMD 120-6910●	5.94	4.54	3.47	3.05	– –
8221	ADI	8 / MSOP	Precision Instrumentation Amplifier	AD8221ARMZ	SMD 114-3288●	5.85	5.01	4.17	– –	– –
8221	ADI	8 / SOIC	Precision Instrumentation Amplifier with High CMRR Over Frequency	AD8221BRZ	SMD 999-4190●	11.91	10.23	8.52	– –	– –
8555	ADI	16 / LFCSP	Digitally Programmable Sensor Signal Zero-Drift Amplifier	AD8555ACPZ-R2	SMD 107-8282●	13.01	10.85	8.68	– –	– –
8556	ADI	8 / SOIC	Digitally Programmable Sensor Signal Amplifier with EMI Filters	AD8556ARZ	SMD 107-8281●	9.96	7.98	6.63	– –	– –

Isolation Amplifiers

210541

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
103	BB	24 / DIL	Internally Powered Isolation Amp. 1500Vrms, bandwidth 20kHz (0.6" wide package)	ISO103.	398-263‡	375.63	350.58	316.24	305.27	– –
103	BB	24 / DIL	Internally Powered Isolation Amp. 1500Vrms, bandwidth 20kHz (0.6" wide package)	ISO103	109-7518●	375.63	350.58	316.24	305.27	– –
120	BB	24 / DIL	Precision Isolation Amp. 1500Vrms, bandwidth 60kHz (0.3" wide package)	ISO120G	109-7521●	189.82	173.86	161.44	151.38	– –
122	TI	16 / DIL	Precision Isolation Amp. 1500Vrms, bandwidth 50kHz, ±0.05% FSR	ISO122JPE4	117-8426●	30.69	25.65	22.32	20.45	– –
122	TI	16 / DIL	Precision Isolation Amp. 1500Vrms, bandwidth 50kHz, ±0.02% FSR	ISO122PE4	117-8433●	34.31	29.80	27.15	25.46	– –
122	TI	8 / SOP	OP AMP, Isolation	ISO122JUE4	SMD 120-6914●	30.69	25.65	22.32	20.45	– –
122	TI	8 / SOP	OP AMP, Isolation	ISO122UE4	SMD 120-6915●	34.31	29.80	27.15	25.46	– –
124	TI	8 / PDIP	OP AMP, Isolation	ISO124P	121-2425●	23.51	20.20	17.42	15.67	– –
124	TI	8 / SOP	OP AMP, Isolation	ISO124U	SMD 121-2426●	23.51	20.20	17.42	15.67	– –
202	ADI	11 / SIL	High Performance Miniature Isolation Amp., 750V rms, powered directly from +15V.	AD202JY	398-354▲	120.62	102.71	63.91	– –	– –
204	ADI	11 / SIL	High Performance Miniature Isolation Amp., 750Vrms (use AD246JY driver)	AD204JY	398-366▲	84.16	70.13	56.11	– –	– –
210	ADI	30 / DIL	Precision Wide Bandwidth 3 Port Isolation Amp., 20kHz, 2.5kV isolation, Non-linearity ±0.002%	AD210AN	318-2034▲	86.68	72.24	57.79	– –	– –
210	ADI	30 / DIL	Precision Wide Bandwidth 3 Port Isolation Amp., 20kHz, 2.5kV isolation, Non-linearity ±0.012%	AD210BN	318-2046▲	185.01	154.18	123.34	– –	– –
210	ADI	30 / DIL	Precision Wide Bandwidth 3 Port Isolation Amp., 20kHz, 1.5kV isolation, Non-linearity ±0.012%	AD210JN	318-2058▲	155.97	129.97	103.98	– –	– –
7800	AV	8 / DIL	High CMR Isolation Amp	HCPL-7800	459-446▲	16.50	12.97	10.33	8.61	– –

Sample & Hold Amplifiers

210739

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1	INTS	14 / DIL	Sample and Hold Amp. 1μs acquistion, 1.0mV typ. hold step, internal capacitor	HA1-5320-5	402-266▲	30.36	25.68	20.54	17.28	– –
1	INTS	14 / DIL	High Speed Sample and Hold Amp. 500ns acquistion, 0.5mV typ. hold step, internal capacitor	HA1-5330-5	402-278▲	63.60	55.19	44.15	37.84	– –
1	INTS	14 / DIL	Sample and Hold Amp. 1μs acquistion, 1.0mV typ. hold step, internal capacitor	HA1-5320-5Z	121-6111●	31.27	26.45	21.16	17.80	– –
3	INTS	14 / DIL	Sample and Hold Amp. 4μs acquistion, 10mV typ. hold step.	HA3-2425-5	402-230	16.89	14.69	11.43	9.61	– –
3	INTS	14 / DIL	High Speed Sample and Hold Amp. 1μs acquistion, 1.0mV typ. hold step, internal capacitor.	HA3-5320-5	633-410	27.69	23.42	18.74	15.76	– –
3	INTS	14 / DIL	Sample and Hold Amp. 4μs acquistion, 10mV typ. hold step.	HA3-2425-5Z	121-6110●	17.39	15.13	11.77	9.90	– –
298	NSC	14 / SOIC	Sample and Hold Circuit	LF298M	SMD 822-1820●	6.08	4.42	3.31	– –	– –
398	NSC	8 / TO-99	Sample and Hold Amp. 4μs acquistion, 1.0mV typ. hold step	LF398H.	402-096▲	11.41	8.29	6.21	– –	– –
398	NSC	8 / TO-99	Sample and Hold Amp. 4μs acquistion, 1.0mV typ. hold step	LF398H	121-6161●	11.41	8.29	6.21	– –	– –
398	NSC	8 / DIL	Sample and Hold Amp. (enhanced LF398N)	LF398AN	948-5937●	5.97	4.34	3.25	– –	– –
398	NSC	8 / DIL	Sample and Hold Amp. 4μs acquistion, 1.0mV typ. hold step	LF398N	948-7140●	4.06	2.92	2.13	– –	– –
585	ADI	14 / DIL	Sample and Hold Amp. 3μs acquistion, 3mV typ. hold step, internal capacitor.	AD585AQ	402-163▲	50.24	41.87	33.49	– –	– –
781	ADI	8 / DIL	Sample and Hold Amp. 700ns Acquisition Time, internal hold capacitor.	AD781JNZ	960-4073●	20.25	16.95	12.90	– –	– –
783	ADI	8 / SOIC	High Speed Sample and Hold Amp. 250nS Acquisition Time. Internal capacitor	AD783JRZ	SMD 107-9328●	33.24	28.35	23.46	– –	– –

● Compliant ▲ Non-compliant ++ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Miscellaneous Amplifiers

210740

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	1+	25+	100+	250+	+
						Price Each				
11	CIR	16 / TSSOP	Low-Voltage, Class-D, PWM Headphone Amplifier	CS44L11-CZZ	SMD 102-3401	5.76	4.82	4.28	– –	– –
104	TI	8 / SOIC	Precision Logarithmic & Log Ratio Amp	LOG104AID.	SMD 501-1851	28.66	23.95	21.24	19.10	– –
112	TI	14 / SOIC	Precision Logarithmic & Log Ratio Amp	LOG112AID.	SMD 501-1863	24.34	20.91	18.04	16.22	– –
112	TI	14 / SOIC	Precision Logarithmic & Log Ratio Amp	LOG112AID	SMD 121-4431	25.79	21.56	19.11	17.19	– –
452	BB	7 / TO-220	High Voltage (80V)/High Current (50mA) Operational Amp. (IND TEMP)	OPA452TA.	353-4881‡	10.64	8.18	6.25	5.49	– –
452	BB	7 / TO-220	High Voltage (80V)/High Current (50mA) Operational Amp. (IND TEMP)	OPA452TA	109-7497	9.97	7.63	6.32	5.64	– –
526	ADI	16 / DIL	Software Programmable Gain Amp. Gains of 1, 2, 4, 8, 16	AD526AD	402-140▲	33.33	27.78	22.22	– –	– –
526	ADI	16 / DIL	Software Programmable Gain Amp. Gains of 1, 2, 4, 8, 16	AD526JNZ	960-5444	17.70	14.79	11.28	– –	– –
547	BB	7 / TO-220	High Voltage/High current Power Operational Amp, operates from single or dual supplies	OPA547T	109-7395	17.01	13.02	10.78	9.61	– –
549	ADI	8 / TO-99	Electrometer Amp.	AD549JH	402-151▲	32.76	27.30	21.84	– –	– –
549	ADI	8 / TO-99	Ultra-low Input Bias Current Electrometer Operational Amp	AD549LH	318-2186▲	57.80	48.17	38.53	– –	– –
757	INTS	9 / DIL	6 decade, High Accuracy Logarithmic Amplifier	757P	333-1702	533.56	– –	– –	– –	– –
951	MAX	8 / DIL	Low Power, Single Supply Operational Amp. and Comparator with internal reference. (IND TEMP)	MAX951EPA	702-687▲	7.05	5.40	4.14	– –	– –
1250	LT	8 / DIL	Low Noise, Zero-Drift Bridge Amplifier	LTC1250CN8	699-949▲	12.23	7.81	6.38	– –	– –
1250	LT	8 / DIL	Low Noise, Zero-Drift Bridge Amplifier	LTC1250CN8#PBF	956-0947	12.23	7.81	6.38	– –	– –
3001	CIR	8 / SOIC	Precision, Low-voltage Amplifier, DC to 2 kHz.	CS3001-ISZ	SMD 102-3349	5.73	4.78	4.14	– –	– –
3002	CIR	8 / SOIC	Dual, Precision, Low-voltage Amplifier, DC to 2 kHz	CS3002-ISZ	SMD 102-3350	9.37	7.81	6.79	– –	– –
3011	CIR	8 / SOIC	Precision, Low-voltage Amplifier, DC to 1 kHz.	CS3011-ISZ	SMD 102-3351	5.73	4.78	4.14	– –	– –
3012	CIR	8 / SOIC	Dual, Precision, Low-voltage Amplifier, DC to 1 kHz	CS3012-ISZ	SMD 102-3352	9.37	7.81	5.96	– –	– –
3310	CIR	16 / SOIC	Stereo Digital Volume Control	CS3310-KSZ	SMD 102-3353	14.97	12.50	10.93	– –	– –
4102	MAX	8 / SOIC	250MHz, Broadcast Quality, Video Amp	MAX4102ESA+	SMD 118-8063	6.20	4.75	3.64	– –	– –
4106	MAX	8 / SOIC	350MHz, Ultra-Low-Noise Amp. for Pulse/RF applications	MAX4106ESA+	SMD 972-6446	7.43	5.69	4.36	– –	– –
6001	NSC	8 / DIL	Electrometer Amp.	LMC6001CIN	949-4030	6.40	4.72	3.54	– –	– –
8037	ADI	8 / DIL	Low Distortion, 240MHz bandwidth Clamping Amp	AD8037ANZ	107-9416	12.09	10.35	8.61	– –	– –
8318	ADI	16 / LFCSP	1MHz to 8GHz Logarithmic Detector/Controller	AD8318ACPZ-R2	SMD 107-8291	16.31	13.59	10.87	– –	– –
8318	ADI	16 / LFCSP	1MHz to 8GHz Logarithmic Detector/Controller	AD8318ACPZ-WP	SMD 107-8292	16.31	13.59	10.87	– –	– –
9001	TI	6 / SOP	AMP, 50-350MHZ CASCADEABLE	THS9001DBVT	SMD 845-3578	4.62	3.53	2.70	2.37	– –

Power Amplifiers

Bipolar and MOSFET Power Amplifiers



The HY series of Power Amplifier Modules are a versatile range of building blocks for constructing high quality audio amplifiers with a minimum of additional components. The HY200x range includes the latest technology incorporating anti-thump circuitry and modules with on-board PSU components.

These modular hybrid amplifiers have been designed using Bipolar or MOSFET (HY2006/7) technology to provide high fidelity performance. Encapsulation to an integral heatsink together with internal circuitry providing output stage protection make them extremely rugged, both electrically and mechanically, and therefore suitable for all audio applications. For loudspeaker protection the use of a quickblow fuse is recommended - please refer to the data sheet.

The modules only require a minimum of external connection, and should be mounted to allow a vertical flow of air through the heatsink fins. T slots in the heatsink facilitate mounting using the nuts and screws provided.

	HY2000	HY2001	HY2002	HY2003	HY2004	HY2005	HY2006	HY2007
Output Power into 4 ohms (rms)	40W	40W	75W	75W	150W	150W	240W	240W
Output Power into 8 ohms (rms)	40W	40W	75W	75W	150W	150W	240W	240W
Power supply voltage	±30Vd.c.	20V - 0 - 20Vd.c.	±40Vd.c.	28V - 0 - 28Vd.c.	±55Vd.c.	40V - 0 - 40Vd.c.	±60Vd.c.	±60Vd.c.
Loudspeaker fuse (Quick Blow) 4Ω	2A	2A	2.5A	2.5A	3.15A	3.15A	5A	5A
Loudspeaker fuse (Quick Blow) 8Ω	1.5A	1.5A	2A	2A	2.5A	2.5A	—	—
Module dimensions H x W (mm)	30 x 76	30 x 76	30 x 120	30 x 120	80 x 120	80 x 120	80 x 190	80 x 190
Frequency response	15Hz - 50kHz	15Hz - 50kHz	15Hz x 50kHz	15Hz - 50kHz	15Hz - 50kHz	15Hz - 50kHz	15Hz - 50kHz	15Hz - 70kHz
Total harmonic distortion @ 1KHz	>0.005%	>0.005%	>0.005%	>0.005%	>0.005%	>0.005%	>0.005%	>0.005%
Signal to noise ratio (DIN Audio)	100dB	100dB	100dB	100dB	100dB	100dB	100dB	100dB
Input impedance, Ω	100kR	100kR	100kR	100kR	100kR	100kR	100kR	100kR
Load impedance, Ω	4/8R	4/8R	4/8R	4/8R	4/8R	4/8R	4R	4R
Damping factor (8Ω @ 100Hz)	<400	<400	<400	<400	<400	<400	<400	<400

*Max. DC rails (8Ω load)

211038

Mftrs. List No.	Order Code	1+	5+	10+
		Price Each		
HY2000	121-1574	48.92	42.25	36.55
HY2001	121-1577	61.13	52.80	45.73
HY2002	121-1578	61.13	52.80	46.50
HY2003	121-1579	89.06	77.60	67.25
HY2004	121-1580	142.47	124.15	107.61
HY2005	121-1581	178.08	155.17	134.50
HY2006	121-1582	249.27	217.27	188.30
HY2007	121-1583	308.64	268.99	233.12

The HY2000/1/2/3/4/5 series are switchable for 4 or 8 Ohm operation, the power supply requirements will change depending on this setting.
The modules HY2001, 2003, 2005, 2007 feature on-board rectifier and smoothing capacitors and therefore only require an AC source from a suitable transformer.
The modules HY2000/2002/2004/2006 require smoothing capacitors, rectifier and transformer.

Analogue Multiplexers

211041

	Mftr.	Pins	Pkg	Description	rDS (on)	Mftrs. List No.	Order Code	1+	25+	100+	250+	+
1-Channel					Ω max.			Price Each				
634	TI	16	SOIC	Multiplier	-	MPY634KUE4	SMD 120-6922	38.56	33.49	30.51	28.61	– –
2034	SLX	12	QFN	1.8V to 5.5V Single 4:1 Analogue Multiplexer	-	DG2034DN-T1-E3	110-2496	4.24	3.39	2.97	2.80	– –
2-Channel					Ω max.							
8170	ADI	8	DIL	250MHz, 10nS Switching Multiplexer with Output Amp	-	AD8170ANZ	107-9331	6.42	5.49	4.59	– –	– –
8183	ADI	24	TSSOP	380 MHz, 25 mA, Triple 2:1 Multiplexer (G = +1) (IND TEMP)	-	AD8183ARUZ	SMD 942-6051	7.86	6.75	5.61	– –	– –
8185	ADI	24	TSSOP	380 MHz, 25 mA, Triple 2:1 Multiplexer (G = +2) (IND TEMP)	-	AD8185ARUZ	SMD 942-6060	7.86	6.75	5.61	– –	– –
9415	SLX	10	TSSOP	2.7V to 12V Dual 2 x 1 CMOS Analogue Multiplexer	-	DG9415DQ-T1-E3	SMD 110-2512	5.28	4.22	3.70	3.48	– –
4-Channel												
3	INTS	16	DIL	4-Channel Double Pole CMOS Analogue Multiplexer	400	HI3-0509-5	402-370	8.33	7.76	7.19	6.62	– –
3	INTS	16	DIL	4-Channel Double Pole CMOS Analogue Multiplexer	400	HI3-0509-5Z	121-6112	8.58	7.99	7.41	6.82	– –
24	ADI	16	DIL	4-Channel Double Pole JFET Analogue Multiplexer, over voltage and power supply loss protected	400	MUX24FPZ	107-9378	15.12	12.61	10.09	– –	– –
350	MAX	20	SSOP	Dual 4-channel, seperately controlled single-pole single throw multiplexer.	100	MAX350EAP+	SMD 118-7969	21.23	16.24	10.91	– –	– –
409	INTS	16	DIL	4-Channel Double Pole CMOS Analogue Multiplexer	100	DG409DJZ	966-4084	2.95	2.75	2.55	2.35	– –
409	INTS	16	SOIC	4-Channel Double Pole CMOS Analogue Multiplexer	100	DG409DYZ	SMD 966-3835	2.48	2.31	2.14	1.97	– –
409	SLX	16	SOIC	4-Channel Double Pole CMOS Analogue Multiplexer	100	DG409DY-E3	SMD 107-7098	5.20	4.16	3.64	3.43	– –
409	SLX	16	SOIC	4-Channel Double Pole CMOS Analogue Multiplexer	100	DG409DY-E3	SMD 107-7098	5.20	4.16	3.64	3.43	– –
409	SLX	16	SOIC	4-Channel Double Pole CMOS Analogue Multiplexer	40	DG409LDY.	SMD 396-5569▲‡	4.64	3.71	3.25	3.06	– –
409	SLX	16	SOIC	4-Channel Double Pole CMOS Analogue Multiplexer	40	DG409LDY-E3	SMD 107-7100	4.64	3.71	3.25	3.06	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	rDS (on)	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
4-Channel												
509	ADI	16	DIL	4-Channel Double Pole CMOS Analogue Multiplexer	450	ADG509AKNZ	960-4944	7.17	6.12	5.13	– –	– –
509	BB	28	DIL	4-Channel Double Pole CMOS Analogue Multiplexer. Over-voltage protected and ESD resistant	1500	MPC509AP.	632-892	10.40	8.01	6.63	5.91	– –
509	TI	16	SOIC	Multiplexer, 4-Channel		MPC509AUG4	SMD 120-6921	11.53	8.83	7.31	6.52	– –
509	TI	28	DIL	4-Channel Double Pole CMOS Analogue Multiplexer. Over-voltage protected and ESD resistant	1500	MPC509AP	121-4449	10.40	7.96	6.59	5.88	– –
704	ADI	10	MSOP	4-Channel Single Pole CMOS Analogue Multiplexer	35	ADG704BRMZ	SMD 942-5756	2.97	2.48	1.98	– –	– –
709	ADI	16	TSSOP	Dual, CMOS, 3-Ohm Low Voltage, 4-Channel Multiplexer (IND TEMP)	5	ADG709BRUZ	SMD 960-4359	4.16	3.47	2.77	– –	– –
729	ADI	16	TSSOP	Dual, CMOS, Low-Voltage, 2-Wire Serially-Controlled, 4 way Matrix Switch (IND TEMP)	2.5	ADG729BRUZ	SMD 107-9348	5.24	4.37	3.49	– –	– –
739	ADI	16	TSSOP	Dual, CMOS, Low-Voltage, 3-Wire Serially-Controlled, 4 way Matrix Switch (IND TEMP)	2.5	ADG739BRUZ	SMD 114-3201	5.35	4.46	3.56	– –	– –
774	ADI	16	SOIC	4-Channel Double Pole CMOS Analogue Multiplexer	8	ADG774BRZ	SMD 942-5799	5.08	4.23	3.38	– –	– –
804	ADI	10	MSOP	1.65V to 3.6V 4-Channel CMOS Multiplexer	0.5	ADG804YRMZ	SMD 107-8225	3.84	2.46	2.13	– –	– –
4524	MAX	10	TSSOP	4-Channel Single Pole CMOS Analogue Multiplexer. (TSSOP)	200	MAX4524CUB+	SMD 118-7936	6.96	5.33	3.61	– –	– –
8174	ADI	14	DIL	250MHz, 10nS Switching Multiplexer with Output Amp		AD8174ANZ	114-3195	10.85	9.05	7.24	– –	– –
8174	ADI	14	DIL	250MHz, 10nS Switching Multiplexer with Output Amp		AD817ANZ	960-4006	5.08	4.23	3.38	– –	– –
9409	SLX	16	QFN	±3V to ±6V Precision Dual 4-Channel Analogue Multiplexer	3.9	DG9409DN-T1-E3	SMD 110-2510	8.32	6.66	5.82	5.49	– –
8-Channel												
3	INTS	16	DIL	8-Channel Single Pole CMOS Analogue Multiplexer	400	HI3-0508-5Z	966-3673	5.81	5.41	5.01	4.62	– –
8	ADI	16	DIL	8-Channel Single Pole JFET Analogue Multiplexer, over voltage and power supply loss protected	400	MUX08FPZ	107-9379	12.49	10.41	8.33	– –	– –
308	MAX	16	SOIC	8-Channel Single Pole CMOS Analogue Multiplexer. (DG408 upgrade)	100	MAX308CSE+	SMD 972-4699	20.39	15.61	10.58	– –	– –
407	ADI	28	DIL	8-Channel Double Pole CMOS Analogue Multiplexer	80	ADG407BNZ	107-9429	16.83	14.02	11.22	– –	– –
407	SLX	28	DIL	8-Channel Double Pole CMOS Analogue Multiplexer	100	DG407DJ	107-7079	14.04	11.26	9.86	9.29	– –
407	SLX	28	DIL	8-Channel Double Pole CMOS Analogue Multiplexer	100	DG407DJ	107-7079	14.04	11.26	9.86	9.29	– –
408	ADI	16	DIL	8-Channel Single Pole CMOS Analogue Multiplexer	100	ADG408BNZ	960-5584	7.29	6.24	5.19	– –	– –
408	SLX	16	DIL	8-Channel Single Pole CMOS Analogue Multiplexer	100	DG408DJ-E3	107-7111	5.20	4.16	3.64	3.43	– –
408	INTS	16	DIL	8-Channel Single Pole CMOS Analogue Multiplexer.	100	DG408DJZ	966-3517	2.67	2.49	2.30	2.12	– –
408	INTS	16	SOIC	8-Channel Single Pole CMOS Analogue Multiplexer.	100	DG408DYZ	SMD 966-3827	2.29	2.13	1.98	1.82	– –
408	SLX	16	SOIC	8-Channel Single Pole CMOS Analogue Multiplexer	100	DG408DY	SMD 107-7070	5.20	4.16	3.64	3.43	– –
408	SLX	16	SOIC	8-Channel Single Pole CMOS Analogue Multiplexer.	40	DG408LDY-E3	SMD 107-7099	4.64	3.71	3.25	3.06	– –
428	ADI	18	DIL	8-Channel Single Pole CMOS Analogue Multiplexer	100	ADG428BNZ	107-9430	9.84	8.20	6.56	– –	– –
506	TI	16	SOIC	Multiplexer, 8-Channel		MPC506AUG4	SMD 120-6919	17.70	15.20	13.11	11.79	– –
507	ADI	28	DIL	8-Channel Double Pole CMOS Analogue Multiplexer	450	ADG507AKNZ	960-4960	15.81	13.56	11.28	– –	– –
508	ADI	16	DIL	8-Channel Single Pole CMOS Analogue Multiplexer	450	ADG508AKNZ	960-4979	8.46	7.29	6.06	– –	– –
508	ADI	16	DIL	8-Channel Single Pole CMOS Analogue Multiplexer	250	ADG508FBNZ	107-9419	10.27	8.56	6.84	– –	– –
508	ADI	16	DIL	8-Channel Single Pole CMOS Analogue Multiplexer	250	ADG508FBNZ	107-9419	10.27	8.56	6.84	– –	– –
406	INTS	28	SOIC	16-Channel Single Pole CMOS Analogue Multiplexer.	100	DG406DYZ	SMD 966-3819	10.48	9.76	9.04	8.32	– –
508	BB	28	DIL	8-Channel Single Pole CMOS Analogue Multiplexer. Over-voltage protected and ESD resistant.	1500	MPC508AP.	632-880‡	10.40	7.96	6.59	5.88	– –
528	ADI	18	DIL	8-Channel Single Pole CMOS Analogue Latchable Multiplexer	450	ADG528AKNZ	114-3204	9.54	8.16	6.81	– –	– –
538	SLX	28	DIL	8-Channel/Dual 4-Channel Wideband/Video Multiplexer, 500MHz.	90	DG538ADJ.	482-961▲‡	21.44	17.15	15.01	14.15	– –
538	SLX	28	DIL	8-Channel/Dual 4-Channel Wideband/Video Multiplexer, 500MHz.	90	DG538ADJ-E3	107-7129	21.44	17.15	15.01	14.15	– –
707	ADI	28	TSSOP	Dual, CMOS, 2.5ohm Low-Voltage, 8-Channel Multiplexer (IND TEMP)	0.3	ADG707BRUZ	SMD 107-9346	8.31	6.92	5.54	– –	– –
708	ADI	16	TSSOP	CMOS, 3-Ohm Low Voltage, 8-Channel Multiplexer (IND TEMP)	5	ADG708BRUZ	SMD 960-4340	4.16	3.47	2.77	– –	– –
728	ADI	16	TSSOP	CMOS, Low-Voltage, 2-Wire Serially-Controlled, 8 way Matrix Switch (IND TEMP)	2.5	ADG728BRUZ	SMD 960-4383	5.35	4.46	3.56	– –	– –
738	ADI	16	TSSOP	CMOS, Low-Voltage, 3-Wire Serially-Controlled, 8 way Matrix Switch (IND TEMP)	2.5	ADG738BRUZ	SMD 960-4391	5.35	4.46	3.56	– –	– –
1391	LT	16	SSOP	8-Channel Analogue Multiplxer with Cascadable Serial Interface	45	LTC1391CGN	SMD 386-2501▲	10.35	6.81	5.52	– –	– –
1391	LT	16	SSOP	8-Channel Analogue Multiplxer with Cascadable Serial Interface	45	LTC1391CGN#PBF	SMD 113-6627	9.77	6.26	5.09	– –	– –
1391	LT	16	SSOP	8-Channel Analogue Multiplxer with Cascadable Serial Interface (IND TEMP)	45	LTC1391IGN	SMD 386-2525▲	12.30	7.84	6.35	– –	– –
1391	LT	16	SSOP	8-Channel Analogue Multiplxer with Cascadable Serial Interface (IND TEMP)	45	LTC1391IGN#PBF	SMD 956-1110	12.30	7.84	6.35	– –	– –
4051	MAX	16	SOIC	8-Channel Single Pole CMOS Analogue Multiplexer	125	MAX4051CSE+	SMD 118-7953	7.38	5.65	3.83	– –	– –
9408	SLX	16	QFN	2.7V to 12V Precision 8-Channel Analogue Multiplexer	3.9	DG9408DN-T1-E3	SMD 110-2509	8.32	6.66	5.82	5.49	– –
16-Channel												
406	ADI	28	DIL	16-Channel Single Pole CMOS Analogue Multiplexer	80	ADG406BNZ	960-5576	15.75	13.50	11.25	– –	– –
406	SLX	28	DIL	16-Channel Single Pole CMOS Analogue Multiplexer	100	DG406DJ.	705-548▲‡	14.08	11.26	9.86	9.29	– –
406	SLX	28	DIL	16-Channel Single Pole CMOS Analogue Multiplexer	100	DG406DJ	107-7078	14.08	11.26	9.86	9.29	– –
506	ADI	28	DIL	16-Channel Single Pole CMOS Analogue Multiplexer	450	ADG506AKNZ	960-4987	17.33	14.45	11.56	– –	– –
506	BB	28	DIL	16-Channel Single Pole CMOS Analogue Multiplexer. Over-voltage protected and ESD resistant	1500	MPC506AP.	632-867‡	17.18	14.76	12.73	11.45	– –
506	BB	28	DIL	16-Channel Single Pole CMOS Analogue Multiplexer. Over-voltage protected and ESD resistant	1500	MPC506AP	109-7559	17.70	15.20	13.11	11.79	– –
508	TI	16	SOIC	MULTIPLEXER, 16-Channel		MPC508AUG4	SMD 120-6920	10.40	7.96	6.59	5.88	– –
526	ADI	28	DIL	16-Channel Single Pole CMOS Analogue Latchable Multiplexer	450	ADG526AKNZ	107-9380	16.83	14.02	11.22	– –	– –
535	SLX	28	DIL	16-Channel Wideband/Video Multiplexer, 200MHz	90	DG535DJ.	402-631▲‡	27.84	22.27	19.49	18.37	– –
535	SLX	28	DIL	16-Channel Wideband/Video Multiplexer, 200MHz	90	DG535DJ-E3	107-7112	27.84	22.27	19.49	18.37	– –
706	ADI	28	TSSOP	CMOS, 2.5ohm Low-Voltage,16-Channel Multiplexer (IND TEMP)	0.3	ADG706BRUZ	SMD 960-4332	8.48	7.07	5.65	– –	– –

Analogue Multipliers

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	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
532	ADI	14 / DIL	Four quadrant Multiplier. Accuracy 1%, Internally Trimmed, total error ±1%,Output Offset ±40mV	AD532JD	318-2113▲	60.99	50.83	40.66
534	ADI	14 / DIL	Four quadrant Multiplier. Accuracy 0.25%, Internally Trimmed, total error ±1%,Output Offset ±30n	AD534JD	318-2137▲	61.09	50.91	40.72
534	ADI	10 / TO-100	4-Quad Analogue Multiplier. Accuracy 1% max. Scale factor 10 trimmable to 3...	AD534JH	402-655▲	85.83	67.71	40.78
534	ADI	14 / DIL	Four quadrant Multiplier. Accuracy 0.25%, Internally Trimmed, total error ±0.5%, Output Offset ±1	AD534KD	318-2149▲	88.69	73.91	59.13
534	ADI	14 / DIL	Four quadrant Multiplier. Accuracy 0.25%, Internally Trimmed, total error ±0.25%, Output Offset ±	AD534LD	318-2150▲	182.89	152.41	121.93
538	ADI	18 / DIL	Real Time Computational Circuit providing accurate analogue multiplication, division and exponentiation. Accuracy 1% max	AD538AD	402-667▲	81.71	68.09	54.47
633	ADI	8 / DIL	4-Quad Analogue Multiplier. Accuracy 2% max., 1MHz small signal bandwidth....	AD633JNZ	960-4995	11.49	9.63	7.35
633	ADI	8 / SOIC	4-Quad Analogue Multiplier, Accuracy 2% max., 1MHz small signal bandwidth	AD633JRZ	SMD 942-6221	11.49	9.63	7.35
634	BB	14 / DIL	Wide Bandwidth (10MHz typ.), 4-Quad Analogue Multiplier. Accuracy 2%	MPY634KP	109-7540	34.46	29.92	27.27
734	ADI	14 / DIL	4-Quad Analogue Multiplier. Accuracy 0.4% max., 10MHz bandwidth (upgraded AD534)	AD734ANZ	960-3573	38.79	32.49	24.78
734	ADI	14 / DIL	4-Quad Analogue Multiplier. Accuracy 0.25% max., 10MHz bandwidth (upgraded AD534)	AD734BNZ	960-3581	65.67	54.93	41.88
734	ADI	14 / DIL	4-Quad Analogue Multiplier. Accuracy 0.25% max., 10MHz bandwidth (upgraded AD534)	AD734BQ	102-155▲	75.48	63.18	48.15
734	ADI	14 / DIL	4-Quad Analogue Multiplier. Accuracy 0.4% max., 10MHz bandwidth (upgraded AD534) Ceramic Package	AD734AQ	402-709▲	44.67	37.35	28.50
835	ADI	8 / DIL	4-Quad Voltage Output Multiplier. 250MHz -3dB bandwidth.	AD835ANZ	107-9407	27.45	22.95	17.52

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Analogue Switches

211042/410976

	Mftr.	Pins	Pkg	Description	rDS (on) Ω max.	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Single												
5	TI	6	SOT-23	1-Ohm SPDT Analog Switch		TS5A3159DBVR	SMD 105-3238	1.09	0.79	0.59	0.40	– –
5	TI	6	SOT-23	1-Ohm SPDT Analog Switch		TS5A3159DBVRE4	SMD 105-3237	1.09	0.79	0.59	0.40	– –
5	TI	6	SOT-23	1-Ohm SPDT Analog Switch	1.5	TS5A3159DBVTE4	SMD 105-3235	1.58	1.26	1.01	0.69	– –
5	TI	6	SC70	1-Ohm SPDT Analog Switch	1.5	TS5A3159DCKT	SMD 105-3232	1.58	1.26	1.01	0.69	– –
5	TI	6	SC70	1-Ohm SPDT Analog Switch	1.5	TS5A3159DCKTE4	SMD 105-3230	1.58	1.26	1.01	0.69	– –
66	FCH	5	SOT-23	Low Voltage UHS Single SPST Normally Open Analogue Switch	60	FSA66M5	SMD 110-2145	0.98	0.65	0.56	– –	– –
66	FCH	5	SC70	Low Voltage UHS Single SPST Normally Open Analogue Switch	60	FSA66P5	SMD 110-2146	0.98	0.65	0.56	– –	– –
66	FCH	6	MicroPak	Low Voltage Single SPST Normally Open Analogue Switch with TTL Compatible Control Output	60	FSAT66L6	SMD 110-2147	0.98	0.65	0.55	– –	– –
417	SLX	8	DIL	Precision SPST CMOS Analogue Switch	35	DG417DJ-E3	107-7113	4.41	3.53	3.09	2.91	– –
417	SLX	8	SOIC	Precision SPST Low Voltage CMOS Analogue Switch.	20	DG417LDY-E3	SMD 107-7104	4.23	3.38	2.96	2.79	– –
418	SLX	8	DIL	Precision SPST CMOS Analogue Switch	35	DG418DJ.	402-758▲‡	4.41	3.53	3.09	2.91	– –
418	SLX	8	DIL	Precision SPST CMOS Analogue Switch	35	DG418DJ-E3	107-7114	4.41	3.53	3.09	2.91	– –
418	SLX	8	SOIC	Precision SPST Low Voltage CMOS Analogue Switch.	20	DG418LDY-E3	SMD 107-7105	4.23	3.38	2.96	2.79	– –
419	SLX	8	DIL	Precision SPDT CMOS Analogue Switch	35	DG419DJ.	402-760▲	4.41	3.53	3.09	2.91	– –
419	SLX	8	DIL	Precision SPDT CMOS Analogue Switch	35	DG419DJ-E3	107-7115	4.41	3.53	3.09	2.91	– –
419	SLX	8	SOIC	Precision SPDT CMOS Analogue Switch	35	DG419DY.	SMD 594-921▲	4.41	3.53	3.09	2.91	– –
419	SLX	8	SOIC	Precision SPDT CMOS Analogue Switch	35	DG419DY	SMD 107-7069	4.41	3.53	3.09	2.91	– –
419	SLX	8	SOIC	Single DPST Low Voltage CMOS Analogue Switch	20	DG419LDY-E3	SMD 107-7106	4.23	3.38	2.96	2.79	– –
642	SLX	8	DIL	Precision SPDT CMOS Analogue Switch	8	DG642DJ.	786-688▲‡	4.82	4.54	4.11	3.87	– –
642	SLX	8	DIL	Precision SPDT CMOS Analogue Switch	8	DG642DJ	107-7080	4.82	4.54	4.11	3.87	– –
701	ADI	8	MSOP	Low Voltage SPST CMOS Analogue Switch	3	ADG701BRMZ	SMD 107-9296	2.25	1.44	1.26	– –	– –
702	ADI	8	MSOP	Low Voltage SPST CMOS Analogue Switch	3	ADG702BRMZ	SMD 107-9297	1.85	1.54	1.23	– –	– –
719	ADI	8	MSOP	Low Voltage SPDT CMOS Analogue Switch	5	ADG719BRMZ	SMD 942-5578	2.11	1.76	1.40	– –	– –
1156	FCH	6	SC70	Low Ron Low Voltage SPST Analogue Switch	0.75	FSA1156P6	SMD 110-2143	1.43	1.07	0.98	– –	– –
4157	FCH	6	SC70	Low Ron Low Voltage SPST Analogue Switch	0.75	FSA4157P6	SMD 110-2144	1.50	1.11	1.02	– –	– –
2011	SLX	6	SC-89	Low-Voltage, Low Ron, Single SPDT Analogue Switch	1.8	DG2011DXA-T1-E3	SMD 115-5826	1.73	1.53	1.27	1.14	– –
2012	SLX	6	SC-70	Low-Voltage Single SPDT Analogue Switch	1	DG2012DL-T1-E3	SMD 110-2492	2.34	1.87	1.64	1.54	– –
9411	SLX	6	SC-70	Low-Voltage Single SPDT Analogue Switch	7	DG9411DL-T1-E3	SMD 110-2511	2.85	2.28	2.00	1.88	– –
9431	SLX	8	SOIC	Low-Voltage Single SPDT Analogue Switch	20	DG9431DY-T1-E3	SMD 110-2514	3.13	2.51	2.19	2.07	– –
9461	SLX	8	SOIC	Low-Voltage Single SPDT Analogue Switch	40	DG9461DY-T1-E3	SMD 110-2516	2.53	2.02	1.77	1.67	– –
2020	SLX	6	TSOP	Low Voltage Asymmetrical SPDT CMOS Analogue Switch	20	DG2020DV-T1-E3	SMD 107-7110	3.33	2.66	2.33	2.20	– –
84544	INTS	8	SOIC	Low Voltage, Single Supply, SPDT CMOS Analogue Switch	30	ISL84544IBZ	SMD 966-4025	3.30	2.20	1.95	1.71	– –
Dual												
5	TI	8	VSSOP	0.9-Ohm Dual SPST Analog Switch 5-V/3.3-V 2-Channel Analog Switch.		TS5A23166DCURE4	SMD 105-3239	1.99	1.64	1.29	0.89	– –
303	SLX	14	DIL	CMOS Dual Analogue Switch	30	DG303BDJ-E3	110-2500	6.75	5.40	4.72	4.46	– –
303	SLX	14	SOIC	CMOS Dual Analogue Switch	30	DG303BDY-E3	SMD 110-2501	6.75	5.40	4.72	4.46	– –
323	MAX	8	DIL	Dual SPST CMOS Analogue Switch	60	MAX323CPA+	118-8038	5.57	4.46	3.32	– –	– –
325	MAX	8	DIL	Dual SPST CMOS Analogue Switch	60	MAX325CPA+	118-8039	6.60	5.28	3.93	– –	– –
403	SLX	16	DIL	Dual SPDT CMOS Analogue Switch	45	DG403DJ.	402-825▲‡	5.85	4.68	4.10	3.86	– –
403	SLX	16	DIL	Dual SPDT CMOS Analogue Switch	45	DG403DJ-E3	107-7116	5.85	4.68	4.10	3.86	– –
403	INTS	16	SOIC	Dual SPDT CMOS Analogue Switch.	45	DG403DYZ	SMD 966-3800	2.71	1.81	1.60	1.40	– –
542	SLX	16	DIL	Dual Monolithic SPDT Wideband/Video Switch, 500MHz	60	DG542DJ.	402-862▲‡	6.21	5.85	5.30	5.00	– –
542	SLX	16	DIL	Dual Monolithic SPDT Wideband/Video Switch, 500MHz	60	DG542DJ-E3	107-7117	6.21	5.85	5.30	5.00	– –
722	ADI	8	MSOP	Dual, SPST CMOS Analogue Switch (switch normally closed)	40	ADG722BRMZ	SMD 942-5772	2.11	1.76	1.40	– –	– –
736	ADI	10	MSOP	Dual, SPDT CMOS Analogue Switch	35	ADG736BRMZ	SMD 942-5780	2.88	2.46	1.80	– –	– –
736	ADI	8	SOIC	RMS to DC Converter		AD736JRZ	SMD 960-5177	12.18	10.20	7.80	– –	– –
884	ADI	10	MSOP	0.5 ohm CMOS Dual 2:1 MUX/SPDT Audio Switch.	0.34	ADG884BRMZ	SMD 107-8224	3.51	2.25	1.95	– –	– –
936	ADI	20	LFCSP	Dual SPDT Switch, Wideband 36dB at 1GHz, CMOS 1.65V to 2.75V		ADG936BCPZ	SMD 107-8222	5.91	3.78	3.30	– –	– –
936	ADI	20	TSSOP	Dual SPDT Switch, Wideband 36dB at 1GHz, CMOS 1.65V to 2.75V		ADG936BRUZ	SMD 107-8223	5.91	3.78	3.30	– –	– –
2016	SLX	10	MSOP	High-Bandwidth, Low Voltage, Dual SPDT Analogue Switch	2.4	DG2016DQ-T1-E3	SMD 110-2494	4.50	3.60	3.15	2.97	– –
2032	SLX	12	QFN	High-Bandwidth, Low Voltage, Dual SPDT Analogue Switch	2.4	DG2032DN-T1-E3	110-2495	3.69	2.95	2.58	2.44	– –
2402	ADI	14	DIL	Dual SPST Audio Analogue Switch.	85	SSM2402PZ	107-9428	10.32	8.60	6.88	– –	– –
2741	SLX	8	MSOP	Low-Voltage, 0.8 ohm Ron, Dual SPST Analogue Switch	0.8	DG2741DQ-T1-E3	SMD 110-2498	3.15	2.52	2.20	2.08	– –
2799	SLX	16	QFN	Low Voltage, Low On-Resistance, Dual DPDT Analogue Switch	0.25	DG2799DN-T1-E3	SMD 110-2499	6.93	5.54	4.85	4.57	– –
4684	NSC	12	Bump Micro SMD	0.50hm Low-Voltage, Dual SPDT Analog Switch	0.8	LMS4684ITL	SMD 818-1233	3.35	2.37	1.73	– –	– –
4684	NSC	10	LLP	0.50hm Low-Voltage, Dual SPDT Analog Switch	0.8	LMS4684LD	SMD 818-1241	3.45	2.44	1.78	– –	– –
7218	ADI	8	MSOP	Dual, SPST CMOS Analogue Switch (switch normally open).	40	ADG721BRMZ	SMD 942-5764	2.11	1.76	1.40	– –	– –
7238	ADI	8	MSOP	Dual, SPST CMOS Analogue Switch (1 switch normally open)	40	ADG723BRMZ	SMD 960-3921	2.11	1.76	1.40	– –	– –
7512	ADI	14	DIL	Dual SPDT CMOS Analogue Switch with ±25V protection above supply.	75	AD7512DIJNZ	107-9334	17.88	14.94	13.02	– –	– –
7592	ADI	14	DIL	Dual SPDT Analogue Switch - integral data latches µP compatible	90	AD7592DIKNZ	960-5002	23.17	19.31	15.44	– –	– –
9233	SLX	8	SOIC	Low-Voltage Dual SPST Analogue Switch	20	DG9233DY-T1-E3	SMD 110-2507	4.37	3.50	3.06	2.89	– –
84541	INTS	8	SOIC	Low Voltage, Single Supply, Dual SPST CMOS Analogue Switches.	30	ISL84541IB	SMD 412-6865▲‡	3.80	2.42	2.10	1.71	– –
84541	INTS	8	SOIC	Low Voltage, Single Supply, Dual SPST CMOS Analogue Switches.	30	ISL84541IBZ	SMD 966-4017	3.30	2.20	1.95	1.71	– –
Quad												
1	INTS	16	DIL	Quad SPST CMOS Analogue Switch	80	HI1-0201-5	402-965▲	13.29	8.46	7.37	5.98	– –
3	INTS	16	DIL	Quad SPST CMOS Analogue Switch	50	HI3-0201HS-5Z	966-3681	17.44	11.61	10.29	9.02	– –
6	ADI	16	DIL	Quad SPST JFET Analogue Switch - 2NO/2NC+Disable.	150	SW06GPZ	107-9381	5.61	4.67	3.74	– –	– –
90	NSC	32	LLP	4x4 Low Power 2.5 Gb/s LVDS Digital Cross-Point Switch.		DS90CP04TLQ	SMD 818-1292	22.36	16.90	13.11	– –	– –
201	ADI	16	DIL	Quad SPST CMOS Analogue Switch	90	ADG201AKNZ	960-5010	4.74	4.08	3.39	– –	– –
201	ADI	20	PLCC	Quad SPST CMOS Analogue Switch. Break before Make Switching action	90	ADG201HSJPZ	SMD 114-3194	9.47	7.89	6.32	– –	– –
201	SLX	16	DIL	Quad SPST CMOS Analogue Switch	85	DG201BDJ	107-7075	3.78	3.02	2.65	2.49	– –
201	SLX	16	SOIC	Quad CMOS Analogue Switch	45	DG201BDY-E3	SMD 110-2493	3.78	3.02	2.65	2.49	– –
202	ADI	16	DIL	Quad SPST CMOS Analogue Switch	90	ADG202AKNZ	107-9382	4.74	4.08	3.39	– –	– –
202	SLX	16	DIL	Quad SPST CMOS Analogue Switch	85	DG202BDJ.	705-536▲‡	4.50	3.60	3.15	2.97	– –
202	SLX	16	DIL	Quad SPST CMOS Analogue Switch	85	DG202BDJ	107-7076	4.50	3.60	3.15	2.97	– –
211	ADI	16	DIL	Quad SPST CMOS Analogue Switch	115	ADG211AKNZ	960-5029	4.08	3.48	2.91	– –	– –
211	SLX	16	DIL	Quad SPST CMOS Analogue Switch	85	DG211BDJ.	597-326▲‡	3.51	2.81	2.46	2.32	– –
211	SLX	16	DIL	Quad SPST CMOS Analogue Switch	85	DG211BDJ	107-7071	3.51	2.81	2.46	2.32	– –
211	SLX	16	SOIC	Quad SPST CMOS Analogue Switch	85	DG211BDY-E3	SMD 107-7097	3.51	2.81	2.46	2.32	– –
211	INTS	16	DIL	Quad SPST CMOS Analogue Switch	175	DG211CJZ	120-1537	2.54	1.95	1.69	– –	– –
212	ADI	16	DIL	Quad SPST CMOS Analogue Switch	115	ADG212AKNZ	960-5037	4.08	3.48	2.91	– –	– –
212	SLX	16	DIL	Quad SPST CMOS Analogue Switch	85	DG212BDJ	107-7072	3.51	2.81	2.46	2.32	– –
221	ADI	16	DIL	Quad SPST CMOS Analogue Switch	90	ADG221KNZ	107-9383	4.35	3.72	3.09	– –	– –
271	SLX	16	DIL	Quad SPST CMOS Analogue Switch	50	DG271BCJ.	403-076▲‡	8.14	7.67	6.95	6.55	– –
271	SLX	16	DIL	Quad SPST CMOS Analogue Switch	50	DG271BCJ-E3	107-7118	8.14	7.67	6.95	6.55	– –
308	SLX	16	SOIC	Quad SPST CMOS Analogue Switch	100	DG308BDY.	SMD 403-106▲‡	4.50	3.60	3.15	2.97	– –
308	SLX	16	SOIC	Quad SPST CMOS Analogue Switch	100	DG308BDY-E3	SMD 107-7121	4.50	3.60	3.15	2.97	– –
308	SLX	16	DIL	Quad SPST CMOS Analogue Switch	85	DG308BDJ	107-7073	4.50	3.60	3.15	2.97	– –
309	SLX	16	DIL	Quad SPST CMOS Analogue Switch	100	DG309BDJ.	434-8503▲‡	6.59	5.27	4.61	4.35	– –
312	MAX	16	DIL	Quad SPST CMOS Analogue Switch	10	MAX312CPE+	118-8035	15.45	12.36	9.20	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	rDS (on) Ω max.	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Quad												
313	MAX	16	DIL	Quad SPST CMOS Analogue Switch	10	MAX313CPE+	118-8036	14.93	11.94	8.89	– –	– –
314	MAX	16	DIL	Quad SPST CMOS Analogue Switch	10	MAX314CPE+	118-8037	14.56	11.94	8.89	– –	– –
333	MAX	20	SOIC	Quad SPDT CMOS Analogue Switch	175	MAX333ACWP+	SMD 972-5547	19.25	15.40	11.46	– –	– –
392	MAX	16	SOIC	Quad SPST CMOS Analogue Switch (switch normally open)	30	MAX392CSE+	SMD 118-7952	7.77	6.21	4.62	– –	– –
411	INTS	16	DIL	Quad SPST CMOS Analogue Switch.	35	DG411DJ	353-9118	3.66	2.33	2.03	1.64	– –
411	INTS	16	DIL	Quad SPST CMOS Analogue switch.	35	DG411DJZ	101-8157	3.77	2.40	2.09	1.69	– –
411	INTS	16	SOIC	Quad SPST CMOS Analogue Switch.	35	DG411DYZ	SMD 966-3843	3.18	2.12	1.88	1.64	– –
411	SLX	16	SOIC	Quad SPST CMOS Analogue Switch	35	DG411DY.	SMD 403-131▲‡	5.31	4.25	3.72	3.50	– –
411	SLX	16	SOIC	Quad SPST CMOS Analogue Switch	35	DG411DY-E3	SMD 107-7122	5.31	4.25	3.72	3.50	– –
411	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG411LDY.	SMD 396-5570▲‡	5.22	4.18	3.65	3.45	– –
411	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG411LDY-E3	SMD 107-7101	5.22	4.18	3.65	3.45	– –
412	SLX	16	DIL	Quad SPST CMOS Analogue Switch	35	DG412DJ.	403-143▲‡	5.31	4.25	3.72	3.50	– –
412	SLX	16	DIL	Quad SPST CMOS Analogue Switch	35	DG412DJ-E3	107-7123	5.31	4.25	3.72	3.50	– –
412	SLX	16	SOIC	Quad SPST CMOS Analogue Switch	35	DG412DY	SMD 107-7067	5.31	4.25	3.72	3.50	– –
412	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG412LDY.	SMD 396-5582▲‡	5.22	4.18	3.65	3.45	– –
412	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG412LDY-E3	SMD 107-7102	5.22	4.18	3.65	3.45	– –
413	ADI	16	DIL	Quad SPST CMOS Analogue Switch	35	ADG413BNZ	107-9411	5.40	4.50	3.60	– –	– –
413	SLX	16	DIL	Quad SPST CMOS Analogue Switch	35	DG413DJ-E3	107-7124	5.31	4.25	3.72	3.50	– –
413	INTS	16	DIL	Quad SPST CMOS Analogue Switch	35	DG413DJZ	966-3541	3.51	2.34	2.07	1.82	– –
413	SLX	16	SOIC	Quad SPST CMOS Analogue Switch	35	DG413DY.	SMD 594-908▲‡	5.31	4.25	3.72	3.50	– –
413	SLX	16	SOIC	Quad SPST CMOS Analogue Switch	35	DG413DY	SMD 107-7068	5.31	4.25	3.72	3.50	– –
413	INTS	16	SOIC	Quad SPST CMOS Analogue Switch.	35	DG413DYZ	SMD 966-3851	3.18	2.12	1.88	1.64	– –
413	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG413LDY.	SMD 396-5594▲‡	5.22	4.18	3.65	3.45	– –
413	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG413LDY-E3	SMD 107-7103	5.22	4.18	3.65	3.45	– –
441	SLX	16	DIL	Quad SPST CMOS Analogue Switch	85	DG441DJ-E3	107-7125	3.51	2.81	2.46	2.32	– –
441	INTS	16	SOIC	Quad SPST CMOS Analogue Switch.	85	DG441DY	SMD 412-6592▲‡	3.35	2.13	1.85	1.51	– –
441	INTS	16	SOIC	Quad SPST CMOS Analogue Switch.	85	DG441DYZ	SMD 966-3860	2.91	1.94	1.72	1.51	– –
441	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG441LDY.	SMD 396-5636▲‡	3.24	2.59	2.27	2.14	– –
441	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG441LDY-E3	SMD 107-7108	3.24	2.59	2.27	2.14	– –
441	SLX	16	SOIC	Quad SPST CMOS Analogue Switch - Normally Closed	50	DG441DY-E3	SMD 110-2502	3.51	2.81	2.46	2.32	– –
442	SLX	16	SOIC	Quad SPST CMOS Analogue Switch - Normally Open.	50	DG442DY-E3	SMD 110-2504	3.51	2.81	2.46	2.32	– –
442	INTS	16	DIL	Quad SPST CMOS Analogue Switch	85	DG442DJZ	966-4092	3.30	2.20	1.95	1.71	– –
442	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG442LDY.	SMD 396-5648▲‡	3.24	2.59	2.27	2.14	– –
442	SLX	16	SOIC	Quad SPST Low Voltage CMOS Analogue Switch.	30	DG442LDY-E3	SMD 107-7109	3.24	2.59	2.27	2.14	– –
444	INTS	16	DIL	Quad SPST CMOS Analogue Switch	85	DG444DYZ	120-1547	3.92	2.49	2.17	1.76	– –
444	SLX	16	SOIC	Quad SPST CMOS Analogue Switch - Normally Open.	50	DG444DY-E3	SMD 110-2505	3.51	2.81	2.46	2.32	– –
444	SLX	16	SOIC	Quad SPST CMOS Analogue Switch - Normally Closed	50	DG445DY-E3	SMD 110-2506	3.51	2.81	2.46	2.32	– –
445	INTS	16	SOIC	Quad SPST CMOS Analogue Switch	85	DG445DYZ	120-1548	4.52	3.42	3.06	2.67	– –
451	ADI	16	DIL	Quad SPST CMOS Analogue Switch	5	ADG451BNZ	960-3751	6.80	5.67	4.54	– –	– –
452	ADI	16	DIL	Quad SPST CMOS Analogue Switch	5	ADG452BNZ	107-9313	6.67	5.56	4.45	– –	– –
453	ADI	16	DIL	Quad SPST CMOS Analogue Switch	5	ADG453BNZ	107-9314	6.67	5.56	4.45	– –	– –
511	ADI	16	DIL	Quad SPST CMOS Analogue Switch	50	ADG511BNZ	114-3223	6.40	5.34	4.27	– –	– –
541	SLX	16	DIL	Quad Monolithic SPST Wideband/Video Switch, 350MHz.	60	DG541DJ.	403-179▲‡	6.03	5.68	5.15	4.85	– –
541	SLX	16	DIL	Quad Monolithic SPST Wideband/Video Switch, 350MHz.	60	DG541DJ-E3	107-7126	6.03	5.68	5.15	4.85	– –
611	SLX	16	DIL	Quad, High Speed, Low-Glitch D/CMOS Analogue Switch	45	DG611DJ.	597-351▲	7.65	7.21	6.53	6.15	– –
612	SLX	16	DIL	Quad, High Speed, Low-Glitch D/CMOS Analogue Switch	45	DG612DJ.	597-363▲	7.65	7.21	6.53	6.15	– –
613	SLX	16	DIL	Quad, High Speed, Low-Glitch D/CMOS Analogue Switch	45	DG613DJ.	597-375▲‡	4.73	4.45	4.03	3.80	– –
613	SLX	16	DIL	Quad, High Speed, Low-Glitch D/CMOS Analogue Switch	45	DG613DJ	107-7074	4.73	4.45	4.03	3.80	– –
641	SLX	16	DIL	Quad SPST CMOS Analogue Switch	15	DG641DJ.	786-676▲	6.03	5.68	5.15	4.85	– –
661	ADI	16	TSSOP	Quad Precision SPST CMOS (LC2MOS) Analogue Switch	38	ADG661BRUZ	SMD 960-3638	6.53	5.45	4.36	– –	– –
662	ADI	16	TSSOP	Quad Precision SPST CMOS (LC2MOS) Analogue Switch	38	ADG662BRUZ	SMD 960-3646	6.53	5.45	4.36	– –	– –
663	ADI	16	TSSOP	Quad Precision SPST CMOS (LC2MOS) Analogue Switch	38	ADG663BRUZ	SMD 114-3183	6.40	5.34	4.27	– –	– –
711	ADI	16	SOIC	Quad, SPST CMOS Analogue Switch	35	ADG711BRZ	SMD 107-9322	2.91	2.43	1.94	– –	– –
712	ADI	16	SOIC	Quad, SPST CMOS Analogue Switch. Inverted control logic to ADG711	35	ADG712BRZ	SMD 960-3891	3.51	2.25	1.95	– –	– –
713	ADI	16	SOIC	Quad, SPST CMOS Analogue Switch. Contains 2 switches with inverted control logic to ADG711	35	ADG713BRZ	SMD 960-3905	3.51	2.25	1.95	– –	– –
794	ADI	16	SSOP	Low Voltage, 300MHz Quad 2:1 Mux Analog HDTV Audio/Video Switch.	5	ADG794BRQZ	SMD 107-8226	4.16	3.47	2.77	– –	– –
7510	ADI	16	DIL	Quad SPST CMOS Analogue Switch with ±25V protection above supply.	75	AD7510DIJNZ	107-9333	19.53	16.27	13.02	– –	– –
7590	ADI	16	DIL	Quad SPST Analogue Switch - integral data latches μP compatible.	90	AD7590DIKNZ	107-9385	21.33	17.77	14.22	– –	– –
Octal												
335	MAX	24	DIL	SPST CMOS Analogue Switch	150	MAX335CNG+	118-8014	13.27	10.62	7.90	– –	– –
335	MAX	24	SOIC	SPST CMOS Analogue Switch	150	MAX335CWG+	SMD 972-5555	14.09	11.27	8.38	– –	– –
714	ADI	24	TSSOP	CMOS, Low Voltage, Serial (SPI) controlled Octal SPST Switch (IND TEMP).	2.5	ADG714BRUZ	SMD 960-4367	6.84	4.38	3.81	– –	– –
715	ADI	24	TSSOP	CMOS, Low Voltage, Serial (I2C) controlled Octal SPST Switch (IND TEMP).	2.5	ADG715BRUZ	SMD 960-4375	6.84	4.38	3.81	– –	– –
Special Function												
75019	ADI	44	PLCC	Analogue Crosspoint Switch Array. 16 x 16 matrix signal range to supply rails of 24V or ±12V. 2mV Quiescent current. (PLCC Package)	150	AD75019JPZ	SMD 107-9327	46.68	38.90	31.12	– –	– –
75019	INTS	8	SOIC	Low Voltage, Single Supply, SPST CMOS Analogue Switch.	20	ISL84514IBZ	SMD 966-4009	3.44	2.29	2.03	1.78	– –

Bus Transceivers

210418

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
36	NSC	8	SOIC	CMOS Differential Bus Transceiver (RS485) (IND TEMP)	DS36C278TM.	SMD 705-433‡	4.76	3.37	2.46	– –	– –
36	NSC	14	SOIC	Dual, High Speed Bi-directional Differential Transceiver, compatible with IEEE 1394 Signal levels	DS36C200M.	SMD 791-751‡	4.70	3.42	2.56	– –	– –
36	NSC	8	SOIC	CMOS Low Power, Differential Bus Transceiver with Slew Rate Control (RS485) (IND TEMP)	DS36C280TM	SMD 121-5198	5.49	4.11	3.08	– –	– –
36	NSC	8	DIL	CMOS Low Power Multipoint Bus Transceiver (RS485) (IND TEMP)	DS36C278TN	949-4006	4.97	3.52	2.57	– –	– –
36	NSC	8	SOIC	CMOS Low Power, Differential Bus Transceiver with sleep mode (RS485) (IND TEMP)	DS36C279TM	SMD 949-4014	5.44	4.11	3.08	– –	– –
36	NSC	8	SOIC	CMOS Differential Bus Transceiver (RS485) (IND TEMP)	DS36C278TM	SMD 949-4022	4.76	3.37	2.46	– –	– –
36	NSC	14	SOIC	Dual, High Speed Bi-directional Differential Transceiver, compatible with IEEE 1394 Signal levels	DS36C200M	SMD 949-4189	4.70	3.42	2.56	– –	– –
65	TI	64	TSSOP	LVDM Transceiver.	SN65LVDM1677DGGG4	SMD 120-7272	22.07	18.96	16.35	14.71	– –
65	TI	16	SOIC	DIFF Transceiver, Dual.	SN65LVDS050DG4	SMD 120-7273	7.39	5.65	4.32	3.80	– –
65	TI	64	TSSOP	LVDS Driver	SN65LVDS387DGGG4	SMD 120-7274	18.22	13.94	11.44	10.30	– –
65	TI	28	SSOP	10:1 LVDS Transmitter	SN65LV1021DB	SMD 845-2288	16.34	12.51	10.36	9.24	– –
65	TI	28	SSOP	10:1 LVDS Transmitter	SN65LV1023ADB	SMD 845-2296	17.09	13.08	10.73	9.66	– –
65	TI	28	SSOP	1:10 LVDS Receiver	SN65LV1212DB	SMD 845-2318	16.49	13.22	10.85	9.77	– –
65	TI	28	SSOP	1:10 LVDS Receiver	SN65LV1224ADB	SMD 845-2326	18.19	15.62	13.48	12.14	– –

● Compliant
● ▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
65	TI	16	SOIC	LVDS Receiver, Quad	SN65LVDS048AD	SMD 845-2369	4.79	3.67	2.80	2.46	– –
65	TI	8	SOIC	REPEATER, LVDS	SN65LVDS100D	SMD 845-2393	10.64	8.15	6.22	5.47	– –
65	TI	8	SOIC	REPEATER, LVDS	SN65LVDS101D	SMD 845-2407	10.64	8.15	6.22	5.47	– –
65	TI	16	SOIC	REPEATER, TTL - LVDS	SN65LVDS105D	SMD 845-2415	8.31	6.36	4.86	4.27	– –
65	TI	8	SOIC	LVDS Transceiver	SN65LVDS179D	SMD 845-2458	4.97	3.80	2.90	2.55	– –
65	TI	8	SOIC	LVDS Driver	SN65LVDS1D	SMD 845-2474	2.29	1.82	1.43	0.99	– –
65	TI	5	SOP	LVDS Driver	SN65LVDS1DBVT	SMD 845-2482	2.29	1.82	1.43	0.99	– –
65	TI	5	SOP	LVDS Receiver	SN65LVDS2DBVT	SMD 845-2490	2.29	1.82	1.43	0.99	– –
65	TI	8	SOIC	LVDS Receiver, Dual	SN65LVDS34D	SMD 845-2539	4.53	3.63	2.67	2.31	– –
65	TI	16	SOIC	LVDS Driver, Quad	SN65LVDS391D	SMD 845-2563	5.54	4.24	3.24	2.85	– –
65	TI	8	SOIC	LVDS RECEIVER, Dual	SN65LVDS9637D	SMD 845-2601	4.53	3.63	2.67	2.31	– –
65	TI	8	SOIC	LVDS Driver, Dual	SN65LVDS9638D	SMD 845-2610	4.53	3.63	2.67	2.31	– –
65	TI	8	SOIC	REPEATER, LVDS-LVDS	SN65LVDT100D	SMD 845-2628	10.64	8.15	6.22	5.47	– –
65	TI	8	SOIC	LVDS Receiver	SN65LVDT2D	SMD 845-2644	2.29	1.82	1.43	0.99	– –
65	TI	8	SOIC	LVDS Transceiver	SN65MLVD200AD	SMD 845-2660	6.47	4.95	3.78	3.32	– –
65	TI	8	SOIC	LVDS Transceiver	SN65MLVD204AD	SMD 845-2679	6.47	4.95	3.78	3.32	– –
74	TI	24	TSSOP	8-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	SN74AVC8T245PWE4	SMD 105-3490	2.44	1.87	1.38	1.19	– –
74	TI	16	TSSOP	4-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	SN74AVC4T245PWTE4	SMD 105-3494	2.64	2.10	1.65	1.15	– –
74	TI	16	TSSOP	4-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	SN74AVC4T245PWE4	SMD 105-3499	1.76	1.40	1.10	0.76	– –
74	TI	8	VSSOP	Dual-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	SN74AVC2T45DCUTE4	SMD 105-3505	1.99	1.59	1.25	0.87	– –
74	TI	6	SC70	Single-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	SN74AVC1T45DCKTE4	SMD 105-3514	1.70	1.36	1.08	0.74	– –
74	TI	6	SOT-23	Single-Bit Dual-Supply Bus Transceiver with Configurable Voltage Translation and 3-State Outputs	SN74AVC1T45DBVTE4	SMD 105-3519	1.70	1.36	1.08	0.74	– –
74	TI	24	SOIC	3.3V, embedded test-bus controller, IEEE std 1149.1 tap master, with 8-bit generic host interface	SN74LVT8980DW	SMD 121-6734	129.60	118.70	110.22	103.36	– –
74	TI	24	SOIC	3.3V, embedded test-bus controller, IEEE std 1149.1 tap master, with 8-bit generic host interface	SN74LVT8980DW.	SMD 416-3655	29.72	25.03	21.78	19.96	– –
75	TI	64	TSSOP	LVDS Driver	SN75LVDS387DGG	SMD 121-2365	15.91	12.18	10.09	8.99	– –
75	TI	64	TSSOP	LVDS Driver	SN75LVDS387DGG..	SMD 845-2725	15.73	12.04	9.97	8.89	– –
90	NSC	8	SOIC	CMOS, 3V LVDS Differential Line Receiver	DS90LV018ATM.	SMD 120-868‡	3.55	2.52	1.84	– –	– –
90	NSC	56	TSSOP	CMOS, 3.3V LVDS Receiver, 28-bit channel link, 66MHz	DS90CR286AMTD.	SMD 121-733‡	13.66	10.32	8.08	– –	– –
90	NSC	28	TSSOP	1 to 10 LVDS Data/Clock Distributor with Failsafe	DS90LV110ATMT	SMD 100-8241	18.75	14.48	11.23	– –	– –
90	NSC	16	SOIC	Quad Receiver, LVDS, 400MBPS	DS90LV032ATMTC	SMD 121-1795	5.44	3.95	2.96	– –	– –
90	NSC	56	TSSOP	CMOS, 3.3V LVDS Transmitter, 28-bit channel link, 85MHz	DS90CR287MTD	SMD 121-5184	19.54	16.02	13.82	– –	– –
90	NSC	56	TSSOP	CMOS, 3.3V LVDS Transmitter, 28-bit channel link, 85MHz	DS90CR287MTD.	SMD 302-4477	21.18	18.84	17.08	– –	– –
90	NSC	48	TSSOP	Data Strobe LVDS 21-Bit Cahnnel Link -66 MHz, rising edge	DS90CR215MTD	SMD 446-5635	14.26	12.11	10.14	– –	– –
90	NSC	48	TSSOP	+3.3V Programmable LVDS Transmitter 18-Bit Flat Panel Display (FPD) Link-65 MHz	DS90C363BMT	SMD 818-1250	10.44	7.59	5.69	– –	– –
90	NSC	48	TSSOP	+3.3V Programmable LVDS Transmitter 18-Bit Flat Panel Display Link-85 MHz	DS90C365AMT	SMD 818-1268	10.68	8.07	6.32	– –	– –
90	NSC	56	TSSOP	+3.3V Programmable LVDS Transmitter 24-Bit Flat Panel Display (FPD) Link-65 MHz	DS90C383BMT	SMD 818-1276	11.46	8.33	6.24	– –	– –
90	NSC	56	TSSOP	+3.3V Programmable LVDS Transmitter 24-Bit Flat Panel Display Link-85 MHz	DS90C385AMT	SMD 818-1284	10.68	8.07	6.32	– –	– –
90	NSC	5	SOT-23	3V LVDS Single High Speed Differential Driver	DS90LV011ATMF	SMD 820-6821	2.46	1.72	1.22	– –	– –
90	NSC	14	TSSOP	Driver/Receiver LVDS	DS90LV019TMTC	SMD 822-1839	5.19	3.77	2.83	– –	– –
90	NSC	100	TQFP	Display Interface, dual picel (LDI-) SVGA/QXGA, dual pixel	DS90CF388VJD	SMD 822-1880	19.16	14.48	11.23	– –	– –
90	NSC	48	TSSOP	+3.3V Programmable LVDS Transmitter 18-Bit Flat Panel Display (FPD) Link -65 MHz	DS90CF363BMT	SMD 823-8618	10.44	7.59	5.69	– –	– –
90	NSC	56	TSSOP	+3.3V Programmable LVDS Transmitter 24-Bit Flat Panel Display (FPD) Link -65 MHz	DS90CF383BMT	SMD 823-8626	11.46	8.33	6.24	– –	– –
90	NSC	8	SOIC	CMOS, 3V LVDS Differential Line Receiver	DS90LV018ATM	SMD 948-5821	3.55	2.52	1.84	– –	– –
90	NSC	8	SOIC	CMOS, 3V LVDS Dual Differential Line Receiver	DS90LV028ATM	SMD 948-5830	4.44	3.15	2.30	– –	– –
90	NSC	16	SOIC	CMOS, 3V LVDS Quad Differential Line Driver	DS90LV047ATM	SMD 948-5848	5.33	3.88	2.91	– –	– –
90	NSC	16	SOIC	CMOS, 3V LVDS Quad Differential Line Receiver	DS90LV048ATM	SMD 948-5856	5.33	3.88	2.91	– –	– –
90	NSC	16	SOIC	Quad, CMOS LVDS Differential Line Receiver	DS90C032TM	SMD 949-0094	6.08	4.54	3.40	– –	– –
90	NSC	16	SOIC	Quad, CMOS LVDS Differential Line Driver	DS90C031TM	SMD 949-0108	6.24	4.54	3.40	– –	– –
90	NSC	56	TSSOP	CMOS, 3.3V LVDS Receiver, 28-bit channel link, 66MHz. (TSSOP)	DS90CR286AMTD	SMD 977-8233	13.66	10.32	8.08	– –	– –
90	NSC	16	TSSOP	Quad CMOS Differential Line Driver, 3V LVDS	DS90LV047ATMTC	SMD 977-8659	5.33	3.88	2.91	– –	– –
90	NSC	16	TSSOP	Quad CMOS Differential Line Receiver, 3V LVDS	DS90LV048ATMTC	SMD 977-8667	5.33	3.88	2.91	– –	– –
92	NSC	28	SSOP	10-bit wide Bus LVDS Serializer, transforms parallel CMOS/TTL data bus into a single serial data stream with embedded clock	DS92LV1021TMSA.	SMD 120-790▲‡	20.78	17.04	14.70	– –	– –
92	NSC	28	SSOP	10-bit wide Bus LVDS Deserializer, receives serial data stream and transforms back to parallel data and seperates clock	DS92LV1210TMSA.	SMD 120-807▲‡	21.95	17.13	13.29	– –	– –
92	NSC	28	SOIC	Deserializer, random lock, LVDS w/embedded clock recovery, 10-Bit	DS92LV1212AMSA	SMD 761-0683	19.24	16.34	13.09	– –	– –
92	NSC	80	PQFP	18-Bit LVDS Serializer/Deserializer - 15-66 MHz	DS92LV18TVV	SMD 818-1306	26.81	23.20	21.21	– –	– –
92	NSC	28	SSOP	16-40 MHz 10 Bit Bus LVDS Serializer	DS92LV1021AMSA	SMD 820-6830	16.77	12.67	9.92	– –	– –
92	NSC	80	PQFP	16-Bit Bus LVDS Serializer/Deserializer - 25-80 MHz	DS92LV16TVHG	SMD 820-6848	26.89	21.45	19.02	– –	– –
92	NSC	8	SOIC	3.3V, 1-bit LVDS Bus Transceiver	DS92LV010ATM	SMD 948-5791	6.24	4.54	3.40	– –	– –
92	NSC	28	SSOP	10-bit wide Bus LVDS Serializer, transforms parallel CMOS/TTL data bus into a single serial data stream with embedded clock (SSOP)	DS92LV1021TMSA	SMD 977-8217	20.78	17.04	14.70	– –	– –
92	NSC	28	SSOP	10-bit wide Bus LVDS Deserializer, receives serial data stream and transforms back to parallel data and seperates clock (SSOP)	DS92LV1210TMSA	SMD 977-8225	21.95	17.13	13.29	– –	– –
488	ADI	8	DIL	CMOS Differential Bus Transceiver with reduced slew rate. Low Power (RS485/422 - IND TEMP)	ADM488ANZ	114-3179	3.76	3.13	2.50	– –	– –
489	ADI	14	DIL	CMOS Differential Bus Transceiver with reduced slew rate. Low Power (RS485/422 - IND TEMP)	ADM489ANZ	114-3180	4.71	3.92	3.14	– –	– –
1483	MAX	8	DIL	CMOS, Ultra-low-power, RS-485/RS-422 Transceiver with limited slew rate, low EMI and shutdown	MAX1483CPA	301-1987▲‡	4.76	3.64	2.60	– –	– –
1483	MAX	8	DIL	CMOS, Ultra-low-power, RS-485/RS-422 Transceiver with limited slew rate, low EMI and shutdown	MAX1483CPA+	972-3870	6.01	4.60	3.28	– –	– –
1485	ADI	8	SOIC	CMOS, Low Power Differential Bus Transceiver (RS485)	ADM1485ARZ	SMD 942-6434	5.43	4.26	– –	– –	– –
1486	MAX	10	SOIC	CMOS, Software-selectable, RS-485/RS-422 Transceiver with limited slew rate and shutdown mode	MAX1486CUB+	SMD 972-3889	5.91	4.52	3.23	– –	– –
3082	MAX	8	DIL	CMOS, RS-485/RS-422 Transceiver with limited slew rate, shutdown mode and fail-safe feature	MAX3082CPA	301-2001▲‡	4.91	3.76	2.68	– –	– –
3082	MAX	8	SOIC	CMOS, RS-485/RS-422 Transceiver with limited slew rate, shutdown mode and fail-safe feature	MAX3082CSA	SMD 301-2190▲‡	4.91	3.76	2.68	– –	– –
3082	MAX	8	DIL	CMOS, RS-485/RS-422 Transceiver with limited slew rate, shutdown mode and fail-safe feature	MAX3082CPA+	972-3897	6.39	4.89	3.49	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3082	MAX	8	SOIC	CMOS, RS-485/RS-422 Transceiver with limited slew rate, shutdown mode and fail-safe feature	MAX3082CSA+	SMD 972-3900●	6.39	4.89	3.49	– –	– –
3089	MAX	14	DIL	CMOS, RS-485/RS-422 Transceiver with selectable slew rate, shutdown mode and fail-safe feature	MAX3089CPD+	118-7933●	6.62	5.06	3.61	– –	– –
3471	MAX	8	SOIC	CMOS, Differential Transceiver (RS-485/RS-422) with fail-safe receiver input	MAX3471CUA+	SMD 972-3943●	8.87	6.79	4.84	– –	– –
3695	NSC	8	SOIC	Differential Bus Transceiver (RS485/RS422)	DS3695AM	SMD 949-3409●	2.75	1.95	1.42	– –	– –
3695	NSC	8	DIL	Differential Bus Transceiver (RS485/RS422)	DS3695N	948-7166●	2.93	2.07	1.51	– –	– –
3696	NSC	8	DIL	Differential Bus Transceiver with line fault reporting (RS485/RS422)	DS3696N.	403-520‡	4.23	3.00	2.19	– –	– –
3696	NSC	8	DIL	Differential Bus Transceiver with line fault reporting (RS485/RS422)	DS3696N	948-7182●	4.23	3.00	2.19	– –	– –
9615	ST	8	SOIC	CAN bi-directional Transceiver (EXT TEMP)	L9615D.	SMD 415-5592▲	3.23	2.58	2.26	1.94	– –

Clocks & Clock Drivers

FOR REAL TIME CLOCKS **SEE PAGE 1466**

210419

	Mftr.	Pins/Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
23	CYP	28 / SSOP	200MHz Field Programmable Zero Delay Buffer.	CY23FP12OXC	SMD 891-1312●	21.42	16.44	13.76	– –	– –
49	IDT	20 / SOIC	CMOS Dual Buffer/Clock Driver (1:5, 3.3V)	IDT49FCT3805ASOG	SMD 108-1508●	6.18	4.13	3.55	– –	– –
49	IDT	20 / SOIC	CMOS Dual Buffer/Clock Driver (1:5 , 3.3V)	IDT49FCT805ASOG	SMD 108-1509●	16.60	11.07	9.49	– –	– –
49	IDT	20 / SOIC	CMOS Dual Buffer/Clock Driver (1:5 , 3.3V)	IDT49FCT805ASO	SMD 466-0444▲‡	16.60	11.07	9.49	– –	– –
74	IDT	20 / SOIC	CMOS Clock Driver (1:10, 3.3V).	IDT74FCT3807ASOG	SMD 108-1531●	7.00	4.65	4.00	– –	– –
74	IDT	20 / SOIC	CMOS Clock Driver (1:10, 5V)	IDT74FCT807CTSOG	SMD 108-1532●	6.15	4.10	3.53	– –	– –
82	INTS	18 / DIL	CMOS Clock Generator and Driver, 25MHz	CP82C84A	527-830	8.03	7.43	6.79	6.38	– –
82	INTS	18 / DIL	CMOS Clock Generator and Driver, 25MHz	CP82C84AZ	121-6116●	8.27	7.65	6.99	6.58	– –
83	TI	24 / SSOP	400 MHZ Direct RAMBUS Clock Generator	CDCR83DBQ	SMD 840-8327●	7.30	5.59	4.27	3.75	– –
208	TI	20 / SOIC	REPLACES 74ACT11208DW	CDC208DW	SMD 840-8289●	16.03	12.27	10.16	9.06	– –
246	ADI	4 / DIL	Clock Driver for use with AD204JY, drives a maximum of 32 x AD204s	AD246JY	403-726▲	234.80	195.67	156.54	– –	– –
304	TI	8 / TSSOP	PCI(X) Clock Buffer	CDCV304PW	SMD 840-8335●	4.62	3.53	2.70	2.37	– –
1705	TI	20 / SSOP	Dual PLL Multi-Clock generator	PLL1705DBQ	SMD 843-5006●	5.72	4.38	3.34	2.94	– –
1706	TI	20 / SSOP	Dual PLL Multi-Clock generator	PLL1706DBQ	SMD 843-5014●	5.72	4.38	3.34	2.94	– –
1707	TI	20 / SSOP	Dual PLL Multi-Clock generator	PLL1707DBQ	SMD 843-5022●	6.16	4.71	3.60	3.17	– –
1708	TI	20 / SSOP	Dual PLL Multi-Clock generator	PLL1708DBQ	SMD 843-5030●	6.16	4.71	3.60	3.17	– –
2071	CYP	8 / SOIC	Single PLL General Purpose EPROM Programmable Clock Generator	CY2071AFXC	SMD 891-1231●	5.11	4.30	3.63	– –	– –
2291	CYP	18 / SOIC	Three PLL General Purpose EPROM Programmable Clock Generator	CY2291FX	SMD 891-1240●	9.21	7.84	6.56	– –	– –
2292	CYP	16 / SOIC	Three PLL General Purpose EPROM Programmable Clock Generator	CY2292FXC	SMD 891-1258●	5.24	4.39	3.72	– –	– –
2304	CYP	8 / SOIC	3.3V Zero Delay Buffer	CY2304SXC-1	SMD 891-1266●	5.63	4.82	4.00	– –	– –
2305	CYP	8 / SOIC	3.3V Zero Delay Buffer	CY2305SXC-1	SMD 891-1274●	4.95	4.23	3.53	– –	– –
2308	CYP	16 / SOIC	3.3V Zero Delay Buffer	CY2308SXC-2	SMD 891-1282●	3.65	3.16	2.60	– –	– –
2309	CYP	16 / SOIC	3.3V Zero Delay Buffer	CY2309SXC-1H	SMD 891-1290●	5.96	5.05	4.23	– –	– –
2310	TI	24 / TSSOP	2.5V to 3.3V High Perf. Clock Buffer	CDCVF2310PW	SMD 840-8351●	9.02	6.90	5.27	4.64	– –
2505	TI	8 / SOIC	3.3 volt phase-lockloop Clockdriver	CDCVF2505DG4	SMD 120-6844●	3.47	2.66	1.96	1.69	– –
5801	TI	24 / SSOP	Low Jitter Clock Multiplier/Divider	CDC5801DBQ	SMD 840-8297●	11.65	8.92	7.39	6.59	– –
5991	IDT	32 / PLCC	Turbo Clock Driver, programmable skew PLL (3.3V, 85MHZ)	IDT5V991A-2J	SMD 466-0468▲‡	43.78	29.20	25.03	– –	– –
9510	ADI	48 / LFCSP	1.2GHz Clock Distribution IC, PLL Core, Dividers, Delay Adjust, Eight Outputs	AD9510BCPZ	SMD 107-8243●	35.04	29.94	25.08	– –	– –
9511	ADI	48 / LFCSP	1.2GHz Clock Distribution IC, PLL Core, Dividers, Delay Adjust, Five Outputs	AD9511BCPZ	SMD 107-8242●	29.19	24.93	20.85	– –	– –
9512	ADI	48 / LFCSP	1.2GHz Clock Distribution IC, Two 1.6GHz Inputs, Dividers, Delay Adjust, Five Outputs	AD9512BCPZ	SMD 107-8241●	26.25	22.44	18.78	– –	– –
9540	ADI	48 / LFCSP	Low Jitter, DDS-based Clock Generator and Synthesizer	AD9540BCPZ	SMD 107-8238●	29.13	24.96	20.79	– –	– –
25812	CYP	8 / SOIC	Speed Spectrum Clock Generator	CY25812SXI	SMD 891-1320●	6.84	5.31	4.17	– –	– –
25901	CYP	8 / SOIC	Speed Spectrum Clock Generator	CY25901SXC	SMD 891-1339●	4.39	3.39	2.84	– –	– –

Communications & Radio Frequency ICs

210423/410979

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
006	NSC	8	SOIC	Serial Digital Cable Driver with Adjustable Outputs	CLC006AJE.	SMD 705-056‡	19.25	14.55	11.28	– –	– –
006	NSC	8	SOIC	Serial Digital Cable Driver with Adjustable Outputs	CLC006AJE	SMD 949-3964●	19.25	14.55	11.28	– –	– –
0286	AV	4	SOIC	Cascadable Silicon Bi-polar MMIC Amplifier, 3dB Bandwidth: DC to 2.5GHz, High Gain: 12.0dB Typ. @ 1.0GHz	MSA-0286-BLKG	SMD 108-5625●	5.57	4.39	3.48	– –	– –
0486	AV	4	SOIC	Cascadable Silicon Bi-polar MMIC Amplifier, 3dB Bandwidth: DC to 3.2GHz, High Gain: 8dB Typ. @ 1.0GHz	MSA-0486-BLKG	SMD 108-5626●	4.48	3.53	2.80	– –	– –
0686	AV	4	SOIC	Cascadable Silicon Bi-polar MMIC Amplifier, usable gain to 0.8GHz,High Gain: 18.5dB Typ. @ 0.5GHz, Low Voltage	MSA-0686	SMD 994-765▲‡	5.28	4.68	3.93	– –	– –
0686	AV	4	SOIC	Cascadable Silicon Bi-polar MMIC Amplifier, usable gain to 0.8GHz,High Gain: 18.5dB Typ. @ 0.5GHz, Low Voltage	MSA-0686-BLKG	SMD 108-5627●	5.78	4.55	3.61	– –	– –
0786	AV	4	SOIC	Cascadable Silicon Bi-polar MMIC Amplifier, 3dB Bandwidth: DC to 2.0GHz, High Gain: 12.5dB Typ. @ 1.0GHz, Low Voltage	MSA-0786-BLKG	SMD 108-5628●	5.94	4.68	3.71	– –	– –
0886	AV	4	SOIC	Cascadable Silicon Bi-polar MMIC Amplifier, usable gain to 5.5GHz, High Gain: 22.5dB Typ. @ 1.0GHz	MSA-0886-BLKG	SMD 108-5629●	4.00	3.15	2.50	– –	– –
65	TI	16	TSSOP	Crosspoint Switch, 2X2	SN65LVCP23PWG4	SMD 120-7270●	19.32	14.78	12.13	10.92	– –
225	NSC	4	Bump Micro SMD	RF Power Detector for CDMA and WCDMA	LMV225TL	SMD 823-8898●	2.79	1.95	1.39	– –	– –
226	NSC	4	Bump Micro SMD	RF Power Detectors for CDMA and WCDMA in micro SMD	LMV226TL	SMD 100-8039●	2.67	1.89	1.38	– –	– –
228	NSC	4	Bump Micro SMD	RF Power Detector for CDMA and WCDMA	LMV228TL	SMD 823-8910●	2.79	1.95	1.39	– –	– –
242	NSC	10	LLP	Dual Output, Quad Band, GSM/GPRS Power Amp Controller	LMV242LD	SMD 823-8928●	2.88	2.04	1.48	– –	– –
386	AV	4	SOIC	Cascadable Silicon Bipolar MMIC Amplifier, DC to 2.4GHz	MSA-0386-BLKG	SMD 108-5622●	5.91	4.66	3.69	– –	– –
565	NSC	14	DIL	Phase Locked Loop	LM565CN.	404-690‡	3.47	2.45	1.79	– –	– –
565	NSC	14	DIL	Phase Locked Loop	LM565CN	948-7719●	3.47	2.45	1.79	– –	– –
602	ADI	16	DIL	Dual, Wideband, Low Noise Variable Gain Amp	AD602JNZ	114-3225●	45.99	38.49	29.34	– –	– –
602	PS	8	SOIC	Low Power double-balanced mixer with input amplifier, oscillator and regulator. (IND TEMP)	SA602AD	SMD 120-1261●	13.25	5.21	4.56	3.26	– –
602	PS	8	DIL	Low Power double-balanced mixer with input amplifier, oscillator and regulator. (IND TEMP)	SA602AN	302-6279●	5.95	4.76	3.57	3.25	– –
603	ADI	8	DIL	Low Noise, 90MHz Variable-Gain Amp	AD603AQ	563-109▲	16.62	13.89	10.59	– –	– –
604	PS	16	SOIC	High Performance, Low Power FM IF System. (IND TEMP)	SA604AD	SMD 120-1262●	13.05	11.52	9.83	7.10	– –
605	PS	20	SOIC	High Performance, Low Power mixer FM IF System with high speed RSSI. (IND TEMP)	SA605D	SMD 120-1263●	15.90	12.72	9.54	8.67	– –
612	PS	8	SOIC	Double-Balanced Mixer and Oscillator (IND TEMP)	SA612AD	SMD 120-1338●	5.01	4.01	3.01	2.73	– –
614	PS	16	SOIC	Low Power mixer FM IF System with temperature compensated RSSI. (IND TEMP)	SA614AD	SMD 120-1264●	7.99	6.39	4.79	4.36	– –
630	ADI	20	DIL	Balanced Modulator/Demodulator	AD630JNZ	960-3530●	31.41	26.31	20.04	– –	– –
690	ST	8	SOIC	40MHz to 1GHz wideband RF Amp. with +13.5dBm output power at 450MHz (IND TEMP)	TSH690ID.	SMD 162-930▲	2.75	2.10	1.61	1.41	– –

RoHS ● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1522 Date: 22-08-06 time: 02:02

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
690	ST	8	SOIC	40MHz to 1GHz wideband RF Amp. with +13.5dBm output power at 450MHz (IND TEMP)	TSH690ID	SMD 109-4413	2.83	2.16	1.65	1.45	– –
831	ADI	20	PLCC	Low Distortion Mixer	AD831APZ	SMD 114-3217	17.28	14.40	– –	– –	– –
840	MAX	8	SOIC	Low Noise, Regulated GaAs FET Bias with fixed -2V or adjustable - 0.5V to -9.4V Output at 4mA, for Cellular Telephone transmitter amplifiers. (IND TEMP)	MAX840ISA+	SMD 118-8054	7.96	6.09	4.13	– –	– –
1240	ST	8	DIL	Two-Tone Ringer	LS1240A..	787-280▲	1.58	1.26	1.10	0.94	– –
1240	ST	8	DIL	Two-Tone Ringer	LS1240A.	113-2011	1.62	1.30	1.14	0.97	– –
1496	ON	14	DIL	Balanced Modulator/Demodulator	MC1496PG	966-6761	2.94	2.16	1.50	1.11	– –
1501	TI	64	HVQFP	0.6 TO 1.5 GBPS Transceiver	TLK1501IRCPG4	SMD 120-7288	27.42	22.92	20.32	18.28	– –
2211	EXAR	14	SOIC	FSK Demodulator/Tone Decoder	XR2211ACD	SMD 562-671▲	12.66	9.03	7.26	– –	– –
2211	EXAR	14	DIL	FSK Demodulator/Tone Decoder	XR2211ACP-F	109-5814	3.71	3.09	2.67	– –	– –
2211	EXAR	14	SOIC	FSK Demodulator/Tone Decoder	XR2211ACD-F	SMD 109-5816	4.04	3.39	2.90	– –	– –
2306	NSC	16	TSSOP	Low Power Frequency Synthesizer, Operating up to 550MHz.	LMX2306TM...	SMD 412-5216‡	4.70	3.42	2.56	– –	– –
2306	NSC	16	TSSOP	Low Power Frequency Synthesizer, Operating up to 550MHz.	LMX2306TM	SMD 977-9140	4.70	3.42	2.56	– –	– –
2316	NSC	16	TSSOP	Low Power Frequency Synthesizer, Operation up to 1.2 GHz.	LMX2316TM	SMD 977-9159	4.80	3.49	2.61	– –	– –
2326	NSC	16	TSSOP	Low Power Frequency Synthesizer, Operation up to 2.8 GHz.	LMX2326TM	SMD 977-9167	6.24	4.54	3.40	– –	– –
2354	NSC	24	TSSOP	Low Power Dual Frequency Synthesizer, 2.5 GHz and 550MHz.	LMX2354TM	SMD 977-9175	7.80	5.75	4.31	– –	– –
2430	NSC	20	UCSP	PLLatinum Dual High Frequenzy Synthesizer for RF Personal Communications.	LMX2430SLEX	SMD 818-7681	8.07	6.03	4.51	– –	– –
2433	NSC	20	UCSP	PLLatinum Dual High Frequenzy Synthesizer for RF Personal Communications.	LMX2433SLEX	SMD 818-7703	8.50	6.38	4.78	– –	– –
2434	NSC	20	UCSP	PLLatinum Dual High Frequenzy Synthesizer for RF Personal Communications.	LMX2434SLEX	SMD 818-7720	8.88	6.53	4.90	– –	– –
2501	TI	64	HVQFP	1.5 TO 2.5 GBPS Transceiver	TLK2501IRCPG4	SMD 120-7289	36.95	32.09	29.24	27.42	– –
2502	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCO	LMX2502LQ1635	SMD 818-7746	10.25	7.83	6.13	– –	– –
2505	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCOs	LMX2505LQ1321	SMD 818-7754	13.64	10.42	8.16	– –	– –
2512	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCO	LMX2512LQ0967	SMD 818-7762	10.25	7.83	6.13	– –	– –
2512	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCO	LMX2512LQ1065	SMD 818-7770	10.25	7.83	6.13	– –	– –
2515	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCO	LMX2515LQ0701	SMD 818-7789	11.52	8.82	6.91	– –	– –
2515	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCO	LMX2515LQ1321	SMD 818-7797	11.52	8.82	6.91	– –	– –
2522	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCOs	LMX2522LQ1635	SMD 818-7800	12.24	9.37	7.33	– –	– –
2525	NSC	24	LLP	PLLatinum Dual Frequency Synthesizer System with Integrated VCOs	LMX2525LQ1321	SMD 823-8936	14.16	10.70	8.37	– –	– –
2532	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCOs	LMX2532LQ0967	SMD 818-7819	12.24	9.37	7.33	– –	– –
2532	NSC	28	LLP	PLLatinum Frequenzy Synthesizer System with Integrated VCOs	LMX2532LQ1065	SMD 818-7827	12.24	9.37	7.33	– –	– –
2542	NSC	28	LLP	PLLatinum Cellular and GPS Frequency Synthesizer System with Integrated VCO	LMX2542LQ2121	SMD 823-8944	11.95	9.03	7.07	– –	– –
2601	MAX	8	SOIC	3.6V, 1W RF Power Transistor for 900MHz cellular/wireless systems.	MAX2601ESA+	SMD 972-5857	10.28	7.86	5.33	– –	– –
2604	NSC	20	LLP	Triple-band VCO for GSM900/DCS1800/PCS1900	LMX2604LQ	SMD 818-7835	6.24	4.54	3.40	– –	– –
2620	MAX	8	SOIC	Low noise oscillator with output buffers for 900MHz cellular/wireless systems	MAX2620EUA	SMD 493-983▲‡	10.51	8.04	5.45	– –	– –
2620	MAX	8	SOIC	Low noise oscillator with output buffers for 900MHz cellular/wireless systems	MAX2620EUA+	SMD 972-5830	10.51	8.04	5.45	– –	– –
2932	TI	14	TSSOP	Phase Locked Loop	TLC2932IPWG4	SMD 120-7280	5.63	4.31	3.29	2.89	– –
2933	TI	14	TSSOP	Phase Locked Loop	TLC2933IPWG4	SMD 120-7281	5.41	4.31	3.29	2.89	– –
3055	ST	44	TQFP	SLIC (Subscriber Line Interface Circuit) with Integrated Ringing DC/DC Converter	E-STLC3055N	SMD 121-8314	32.19	27.15	20.21	– –	– –
4106	MAX	8	SOIC	350MHz, Ultra-Low-Noise Amp. for Pulse/RF applications	MAX4106ESA+	SMD 972-6446	7.43	5.69	4.36	– –	– –
4302	ADI	20	LFCSP	Active RF Splitter	ADA4302-4ACPZ-R2	SMD 107-8235	8.15	6.80	5.44	– –	– –
4545	MAX	20	SSOP	Quad, Low Voltage, Bidirectional RF/Video Switches (SSOP)	MAX4545CAP+	SMD 118-7994	15.00	11.62	7.88	– –	– –
8307	ADI	8	DIL	DC-500MHz, 92dB Demodulating Logarithmic Amp	AD8307ANZ	107-9309	17.34	14.67	12.63	– –	– –
8341	ADI	24	LFCSP	RF Vector Modulator 1.5GHz - 2.4GHz	AD8341ACPZ-WP	SMD 107-8289	27.22	22.68	18.14	– –	– –
8342	ADI	16	LFCSP	LF to 500MHz Active Receive Mixer	AD8342ACPZ-R2	SMD 107-8286	12.20	10.17	8.14	– –	– –
8342	ADI	16	LFCSP	LF to 500MHz Active Receive Mixer	AD8342ACPZ-WP	SMD 107-8287	11.49	10.11	7.98	– –	– –
8348	ADI	28	TSSOP	50 MHz-1000 MHz Quadrature Demodulator	AD8348ARUZ	SMD 839-7929	11.49	10.47	9.75	– –	– –
8349	ADI	16	TSSOP	700 MHz to 2700 MHz Quadrature Modulator	AD8349AREZ	SMD 839-7937	11.31	10.20	9.24	– –	– –
8870	ZAR	18	DIL	CMOS, Low Power, DTMF Receiver	MT8870DE	571-659	6.43	4.08	3.67	– –	– –
8870	ZAR	18	DIL	CMOS, Low Power, DTMF Receiver	MT8870DE1	966-9795	6.43	4.08	3.67	– –	– –
8889	ZAR	20	DIL	CMOS, Low Power, DTMF Transceiver	MT8889CE	572-238	14.73	9.03	8.93	– –	– –
8889	ZAR	20	DIL	CMOS, Low Power, DTMF Transceiver	MT8889CE1	966-9809	14.73	9.03	8.93	– –	– –
9820	NSC	116	SMT Module	Bluetooth Serial Port Module	LMX9820ASM	100-8040	55.71	48.38	44.08	– –	– –
9830	ADI	48	TQFP	CMOS Complete Direct Digital synthesis (DDS) Device, Max. Freq. out 50MHz, Parallel Data Loading, 5V operation (TQFP)	AD9830ASTZ	SMD 960-4030	29.13	24.96	20.79	– –	– –
9831	ADI	48	TQFP	CMOS Complete Direct Digital synthesis (DDS) Device, Max. Freq. out 12.5MHz, Parallel Data Loading, 3V or 5V operation	AD9831ASTZ	SMD 107-9332	19.58	16.32	13.05	– –	– –
9832	ADI	16	TSSOP	Direct Digital Synthesis for digitized samples of sine wave to drive a DAC. Uses phase accumulator, sine look up table and DAC. Facilitates phase and frequency modulation (FSK, PSK, QPSK). (IND TEMP/TSSOP)	AD9832BRUZ	SMD 960-3743	14.64	12.54	10.44	– –	– –
9834	ADI	20	TSSOP	20 mW Power, 2.3 V to 5.5 V, 50 MHz Complete DDS	AD9834BRUZ	SMD 839-8330	17.58	11.88	10.35	– –	– –
9835	ADI	16	TSSOP	CMOS Complete Direct Digital synthesis (DDS) Device, Max. Freq. out 50MHz, Serial Data Loading, 5V operation (TSSOP)	AD9835BRUZ	SMD 960-4049	16.83	14.43	12.03	– –	– –
9858	ADI	100	TQFP	1 GSPS Direct Digital Synthesizer	AD9858BSVZ	SMD 839-8356	104.58	100.74	94.38	– –	– –
9861	ADI	64	LFCSP	50 MSPS, Mixed-Signal Front-End (MxFE™) Baseband Transceiver for Broadband Applications	AD9861BCPZ-50	SMD 114-3312	34.29	28.58	22.86	– –	– –
9865	ADI	64	LFCSP	Broadband Modem Mixed Signal Front End	AD9865BCPZ	SMD 839-8410	29.13	24.96	20.82	– –	– –
9951	ADI	48	TQFP	400 MSPS, 14-Bit, 1.8 V CMOS Direct Digital Synthesizer	AD9951YSVZ	SMD 839-8445	40.32	34.23	28.74	– –	– –
9952	ADI	48	TQFP	400 MSPS, 14-Bit, 1.8 V CMOS Direct Digital Synthesizer	AD9952YSVZ	SMD 114-3313	45.48	38.58	32.40	– –	– –
9953	ADI	48	TQFP	400 MSPS, 14-Bit, 1.8 V CMOS Direct Digital Synthesizer	AD9953YSV	SMD 839-8461▲	43.26	36.72	30.84	– –	– –
9954	ADI	48	TQFP	400 MSPS, 14-Bit, 1.8 V CMOS Direct Digital Synthesizer	AD9954YSVZ	SMD 114-3314	50.58	42.93	36.06	– –	– –
9956	ADI	48	LFCSP	400 MSPS, 14-Bit DAC, 48-Bit FTW 1.8 V CMOS DDS Based AgileRF Synthesizer	AD9956YCPZ	SMD 107-8236	50.58	42.93	36.06	– –	– –
52543AV		4	SOT-343	Low Noise 6 GHz Amplifier	MGA-52543-BLKG	SMD 108-5623	6.71	5.29	4.20	– –	– –
72543AV		4	SOT-343	Low Noise Amplifier with Bypass Switch, 0.1 to 6 GHz	MGA-72543-BLKG	SMD 108-5615	4.99	3.93	3.12	– –	– –
72543AV		4	SOT-343	Low Noise Amplifier with Bypass Switch, 0.1 to 6 GHz	MGA-72543-BLK	SMD 325-5890‡	4.22	3.32	2.64	– –	– –
81563AV		6	SOT-363	RFAmplifier 3V, 0.1 - 6 GHz, 14dB	MGA-81563-BLKG	SMD 108-5616	4.87	3.83	3.04	– –	– –
82563AV		6	SOT-363	RF Amplifier 3V, 0.1 - 6 GHz, 17dB	MGA-82563-BLKG	SMD 108-5617	5.24	4.12	3.27	– –	– –
82563AV		6	SOT-363	RF Amplifier 3V, 0.1 - 6 GHz, 17dB	MGA-82563-BLK	SMD 325-5918‡	4.42	3.48	2.76	– –	– –
83563AV		6	SOT-363	+22dB, D109PSAT Power Amplifier,C103 3V, 0.5-6 GHz	MGA-83563-BLKG	SMD 108-5618	7.02	5.53	4.39	– –	– –
85563AV		6	SOT-363	Low Noise Amplifier for 0.8-6GHz applications, 3V, +12 to +17dB	MGA-85563-BLKG	SMD 108-5619	5.17	4.07	3.23	– –	– –
87563AV		6	SOT-363	0.5-4 GHz,3V, Low Current GaAs MMIC LNA, 12.5dB at 2.4 GHz	MGA-87563-BLKG	SMD 108-5620	5.54	4.36	3.46	– –	– –
87563AV		6	SOT-363	0.5-4 GHz,3V, Low Current GaAs MMIC LNA, 12.5dB at 2.4 GHz	MGA-87563-BLK	SMD 325-5943‡	4.27	3.36	2.67	– –	– –
91563AV		6	SOT-363	0.8-6 GHz Downconverter, Single +3V Supply, +0 dBm Input IP3 at 1.9 GHz, 8.5dB SSB Noise Figure at 1.9 GHz, 9.0dB Conversion Gain at 1.9 GHz	IAM-91563-BLKG	SMD 108-5624	7.96	6.27	4.98	– –	– –

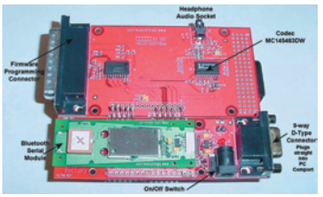
Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1523 Date: 22-08-06 time: 02:02

Bluetooth Development Kit

TDK systems



The Bluetooth Development Kit is designed to plug into a host motherboard for evaluation purposes or small production runs, it can then be transferred into full volume production with the minimum of design requirements avoiding any lengthy design cycles and lowering design costs.

Features

- 2 point-to-multipoint TDK USB Bluetooth modules for both ends of the wireless communications
- Bluetooth specification 1.1 compliant for the latest released features and compatibility
- Rich set of APIs for maximum development flexibility
- Intelligently designed APIs for concise interfaces
- Sample applications for quick start-up
- Trace utility for configurable, real-time monitoring of all stack layers
- Complete and comprehensive documentation for quick and easy reference
- Simple, intuitive programmer interface

System Requirements:

- Windows 98 SE / Me / 2000 (SP 2) / XP
- Microsoft Visual C++ 6.0 (SP 5)
- USB port
- CD-ROM drive for installation

339723

Mftrs. List No.	Description	Order Code	Price Each
TRBLU23-00200	Bluetooth Serial Module	**120-8389**	303.14
TRBLU23-00300	Bluetooth Serial Module	**120-9331**	172.06

RadioWire® Development System

MICREL®

NEW



The RadioWire Development system is a multi function development kit that gives the user first hand experience of the RF performance as well as in depth development assistance. Its many features allow the user do basic RF parameter testing as well as being a system development platform.

The four different DIP settings allow the user to do a "quick set-up" without using a PC to evaluate the RadioWire product line. The supplied RF Test Bench PC program allows the user to add a personal touch and to perform a system application specific evaluation such at modifying data rate, power management operating frequency and more.

Features:

- RadioWire performance evaluation
- Firmware development platform (includes ICD2 interface)
- Available with operating default frequency of 433.92 or 915MHz

Kit Contents:

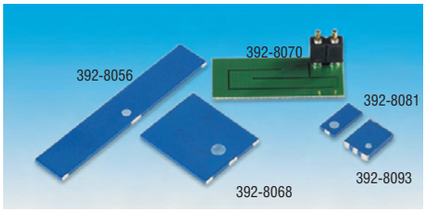
- 2 boards with antenna
- RS232 cable
- Battery
- CD containing source code & reference designs

423195

Mftrs. List No.	Order Code	Price Each
RadioWire® Development System - operating frequency = 850MHz-900MHz		
MICRF505DEV1	**110-0702**	544.05
RadioWire® Development System - operating frequency = 410MHz-450MHz		
MICRF506DEV1	**110-0703**	544.05

Surface Mount Ceramic Antennas

Phicomp



A range of some of the smallest surface mount Bluetooth/WLAN antennas.

- High Gain of 2.5 dBi
- Ceramic antennas optimized for 433MHz, and 870MHz.
- New 900/1800MHz dual-band antenna ideal for mobile phones.
- Bluetooth compatible 2.45MHz antenna, in both long and short versions
- Environmentally sound - manufactured using low-temperature co-fired ceramic (LTCC) with lead free terminations
- Operating temperature: -55°C to 125°C

Description	Order Code	Working Frequency	Bandwidth	Gain (dB)	Impedance
433MHz Antenna	392-8056	433MHz	20MHz	0.5	50Ω
870MHz Antenna	392-8068	900MHz	100MHz	1.5	50Ω
900/1800MHz Dual Band Antenna	392-8070	1795MHz	170MHz	1.0	50Ω
2.4GHz Long Buetooth Antenna	392-8081	2.45GHz	100MHz≥	2.5	50Ω
2.4GHz Buetooth Antenna	392-8093	2.45GHz	100MHz≥	1.2	50Ω
0.9/1.8/1.9GHz Triple Band Antenna + IPEX	772-6082	1.9GHz	–	0.5	50Ω
0.9/1.8/1.9GHz Triple Band Antenna + MMCX	772-6090	1.9GHz	–	0.5	50Ω

236430

		Price Each		
Mftrs. List No.	Order Code	1+	10+	100+
431312120043	SMD **392-8056**	33.00	22.50	20.40
431311900087	SMD **392-8068**	21.00	15.00	13.80
431311100245	SMD **392-8093**	9.90	6.60	6.00
431333000919	**772-6082**	26.04	20.25	18.23
431333001919	**772-6090**	37.66	29.30	26.37

Embedded Internet Connectivity

eDevice Technologies Connecting Devices

NEW

eDevice products offer complete Internet connectivity solutions at a low cost, a minimal footprint, and provide all necessary protocols to exchange data on TCP/IP networks for any type of devices including equipment without embedded electronics eliminating the need for "walk-up to device" maintenance. eDevice products are characterized as easy to use and contain standard off-the-shelf components. eDevice offers bi-directional connectivity solutions for PSTN (analog phone lines), LAN/Ethernet and GSM/GPRS (wireless networks).They embed three functional software blocks:-**application layer** and user interface (AT#) containing the commands that drive the data exchange between the RS232 serial port and the TCP/IP network

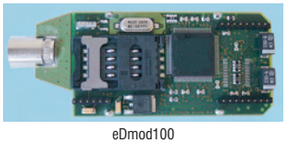
-the **TCP/IP protocol stack** and associated services (DNS, DHCP, HTTP, FTP, Mail, etc.)

-**the network layer**: PSTN Modem, MAC to Ethernet, GSM/GPRS Modem. The communication solutions are available in different form-factors:

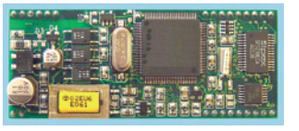
382048

eDmod

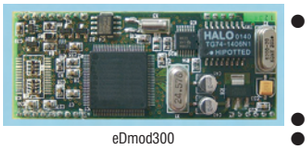
eDevice Technologies Connecting Devices



eDmod100



eDmod200



eDmod300

NEW

- Motherboard using industry standard pin-out to plug directly onto your existing board design
- Ready to use for a quick time to market
- CMOS 3V3 serial port , 230.4 Kbps
- Available in 5 versions:
  - -eDmod101T: SocketModule for PSTN (analog telephone network) V32Bis (14.4K)
  - -eDmod102T: SocketModule for PSTN (analog telephone network) V34 (33.6K)
  - -eDmod103T: SocketModule for PSTN (analog telephone network) V90 (56K)
  - -eDmod200T: SocketModule for Local Area Network - 10baseT
  - -eDmod302T: SocketModule for GSM/GPRS (900/ 1800 MHz Europe) Class 2/Class10

382226

Mftrs. List No.	Order Code	Price Each
EDMOD101T	**857-1406**	182.80
EDMOD102T	**857-1414**	182.80
EDMOD103T	**857-1422**	182.80
EDMOD200T	**857-1465**	159.95
EDMOD302T	**857-1481**	581.08

RoHS Directive

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RoHS ● Compliant ◀ Non-compliant ++ Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1524 Date: 22-08-06 time:02:03

ASK/FSK Transmitters and Receivers

These are short range radio single chip ASK/FSK or ASK transmitters and receivers with high level of integration, limiting the need for external components. The devices are alternatives to SAW-based systems and can be used universally in the UHF bands. The transmitter can be operated with both amplitude and frequency modulation. The receivers can process only amplitude modulated signals. Typical applications include remote control and keyless entry systems.

Transmitter Features:
- Power Supply 2.1V to 4.0V, 7mA (typ).
- Power Down Mode 80nA (typ)
- Low Power detect 2.15V
- Response time 1ms
- Integrated VCO and PLL synthesizer
- Selectable crystal oscillator
- Divided clock output for microcontroller

Receiver Features:
- Supply Voltage range 5V ± 10%
- Power Down mode, 50nA typ (except TDA5212, 90nA)
- Integrated VCO and PLL synthesizer
- Crystal Oscillator
- Limiter with RSSI generator, @ 10.7MHz
- PLL FSK demodulator
- Low Pass filter
- Data comparator
- Peak detector

240375

Transmitters

Mftrs. List No.	Frequency MHz	ASK	FSK	Pins/ Package	Output Power (dBm)	Reference Frequency (MHz)	Programmable Clock Output	Order Code	Price Each 1+	25+	100+
TDA51001048	434/868	✓	✓	16/TSSOP	+5 / +2	6.8 / 13.6	3.39MHz/847.5kHz	SMD 413-5258	5.21	4.16	3.44
TDA5100A149	434	✓	—	10/TSSOP	+5	13.56	—	SMD 413-5260	5.67	4.54	3.74
TDA51011120	315	✓	✓	16/TSSOP	+5	9.84	2.4MHz/615kHz	SMD 413-5271	5.21	4.16	3.44
TDA51021175	915	✓	✓	16/TSSOP	+3.2	7.15 / 14.3	3.57MHz/894kHz	SMD 413-5283	5.21	4.16	3.44
TDK51101177	434/868	✓	✓	16/TSSOP	+11.5 / +11	6.8 / 13.6	3.39MHz/847.5kHz	SMD 413-5295	5.67	4.54	3.74

Receivers

Mftrs. List No.	Frequency MHz	ASK	FSK	Pins/ Package	ASK Sensitivity (dBm)	FSK Sensitivity (dBm)	Temp Range (°C)	Order Code	Price Each 1+	25+	100+
TDA52001049	434/868	✓	—	28/TSSOP	≤-107	—	-40 to +85	SMD 413-5313	8.91	7.29	6.01
TDA52011118	315/345	✓	—	28/TSSOP	≤-110	—	-40 to +85	SMD 413-5325	9.59	7.67	6.33
TDA52041169	390	✓	—	28/TSSOP	≤-110	—	-40 to +85	SMD 413-5337	7.50	6.00	4.95
TDA52101100	434/868	✓	✓	28/TSSOP	≤-107	≤-100	-40 to +85	SMD 413-5349	11.29	9.03	7.45
TDA52121173	915	✓	✓	28/TSSOP	≤-109	≤-102	-40 to +85	SMD 413-5362	6.80	5.44	4.49

210448

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
12	HT	18	DIP		HT12A 18 DIP	120-7996	2.44	2.02	1.63
12	HT	18	DIL	8-bit Decoder with 28address code and 4-bits of encoder data at 4 decoder output pins. Complements HT12E	HT12D	121-1514	6.90	5.27	3.84
12	HT	18	DIL	12-bit, Low Power, High Noise Immunity Encoder	HT12E	121-1512	6.90	5.27	3.84
12	HT	20	SOIC	12-bit, low power High Noise immunity Encoder	HT12E-20SOP	SMD 120-7993	2.44	2.02	1.63
12	HT	18	DIL	12-bit Decoder with 212 address code. Complements HT12E	HT12F	121-1513	9.15	6.58	4.72
12	HT	20	SOIC	12-bit, Decoder with 212 address code. Complements HT12E	HT12F-20SOP	SMD 120-7995	7.71	6.35	5.11
2270	ATM	16	SOIC	Read/Write Base Station	U2270B-MFPY	SMD 109-5806	6.71	4.88	3.84
6026	HT	16	DIL	39Remote Controller Encoder (MC145026 compatible)	HT6026	121-1515	5.79	4.30	3.29

Communications ICs - Network/Control Interface/GPIO/USB

210556

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
3	TI	16	TSSOP	Quad SPDT High-Bandwidth 10/100 Base-T Lan Switch Differential 8 to 4 Multiplexer/Demultiplexer	TS3L110PWE4	SMD 105-3262	3.67	2.80	2.07	1.78
3	TI	16	SOIC	Quad SPDT High-Bandwidth 10/100 Base-T Lan Switch Differential 8 to 4 Multiplexer/Demultiplexer	TS3L110DE4	SMD 105-3269	3.67	2.80	2.07	1.78
3	TI	16	SOIC	Quad SPDT High-Bandwidth 10/100 Base-T Lan Switch Differential 8 to 4 Multiplexer/Demultiplexer	TS3L110D	SMD 105-3272	3.67	2.80	2.07	1.78
5	TI	20	TSSOP	Quad SPDT Wide Bandwidth LAN Switch with Low On-State Resistance	TS5L100PWE4	SMD 105-3222	2.70	2.07	1.52	1.32
5	TI	20	TSSOP	Quad SPDT Wide Bandwidth LAN Switch with Low On-State Resistance	TS5L100PW	SMD 105-3223	2.70	2.07	1.52	1.32
5	TI	16	SOIC	Quad SPDT Wide Bandwidth LAN Switch with Low On-State Resistance	TS5L100DE4	SMD 105-3226	2.70	2.07	1.52	1.32
5	TI	16	SOIC	Quad SPDT Wide Bandwidth LAN Switch with Low On-State Resistance	TS5L100D	SMD 105-3229	2.70	2.07	1.52	1.32
12	PS	28	SOIC	USB Interface Device with Parallel Bus	PDIUSBD12D.112	SMD 880-0537	11.52	7.84	6.28	– –
82	PS	8	SOIC	I²C Bus Extender	P82B715TD,112	SMD 890-6050	11.39	9.96	8.46	6.32
82	PS	8	SOIC	Dual Bi-directional Bus Buffer	P82B96TD,112	SMD 890-6068	10.32	8.43	7.00	– –
6678	NSC	24	LLP	Low Power 2-Channel Central-Office xDSL Driver.	LMH6678LQ	SMD 818-1314	10.17	7.45	5.58	– –
6934	CYP	48	QFN	Wireless USB LS 2.4GHz DSSS Radio SoC	CYWUSB6934-48LFXC	SMD 891-1614	16.08	13.64	11.39	– –
6935	CYP	48	QFN	Wireless USB LR 2.4GHz DSSS Radio SoC	CYWUSB6935-48LFXC	SMD 891-1622	20.08	16.99	14.23	– –
8584	PS	20	DIL	I²C Bus Controller	PCF8584P,112	890-6220	14.16	11.62	9.63	– –
9306	TI	8	VSSOP	Dual Bi-Directional I2C-Bus and SMBus Voltage Level-Translator	PCA9306DCUTE4	SMD 105-3573	2.64	2.10	1.65	1.15
9555	PS	24	SOIC	16-Bit I²C and SMBus I/O Port with Interrupt	PCA9555D,112	SMD 890-6076	5.79	4.75	3.94	– –
9555	PS	24	TSSOP	16-Bit I²C and SMBus I/O Port with Interrupt	PCA9555PW,112	SMD 890-6084	5.79	4.75	3.94	– –
9564	PS	20	SOIC	Parallel Bus to I²C Bus Controller	PCA9564D,112	SMD 890-6092	11.29	9.21	7.68	– –
9603	NSC	28	SOIC	USB node controller with DMA support, compatible with versions 1.0, 1.1	USBN9603-28M	SMD 121-4542	11.14	8.10	6.07	– –
9603	NSC	28	SOIC-WIDE	USB Full Speed node controller with Enhanced DMA support	USBN9603-28M..	SMD 412-5289	11.14	8.10	6.07	– –
9604	NSC	28	SOIC	USB node controller with DMA support, compatible with versions 1.0, 1.1, reset with clock stall.	USBN9604-28M	SMD 121-4543	11.14	8.33	6.24	– –
9604	NSC	28	SOIC	USB node controller with DMA support, compatible with versions 1.0, 1.1, reset with clock stall.	USBN9604-28M.	SMD 412-5344	11.14	8.33	6.24	– –
83847	NSC	56	LLP	DsPHYTER II - Single 10/100 Ethernet Transceiver.	DP83847ALQA56A	SMD 761-3696	9.28	7.65	7.39	– –
83865	NSC	128	PQFP	Gig PHYTER V 10/100/1000 Ethernet Physical Layer	DP83865DVH	SMD 823-8600	36.39	31.60	28.79	– –

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C = CYAN M = Magenta Y = Yellow B = Black/SING

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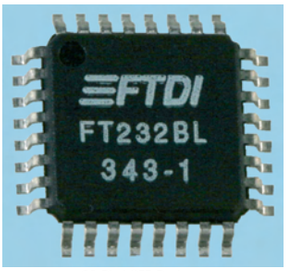
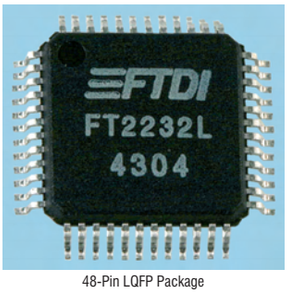
USB-to-UART/FIFO Interfaces



32-Pin LQFP Package



48-Pin LQFP Package

NEW

This range of USB-to-UART/FIFO controllers are designed to have a high functionality as well as a low component count. A number of configurations are available. All are USB2.0 compatible and also UHCI/OHCI and EHCI controller compatible. They include an integrated an Intergrated 6MHz -48MHz clock multiplier and use a 4.35 to 5.25V single supply operation.

Features:
- Integrated 3.3V Regulator for USB I/O
- EEPROM programmable on-board vis USB
- Data transfer rate upto 1Mbps
- Full handshaking and modem interface signals
- 384byte Rx buffer/128 bute Tx buffer for high data throughput (FT232/245)
- UART interface supports 7/85 data bits, 1/2 stop bits (FT232/2232)
- Enhanced Bit-Bang Mode interface option, Multi-protocol Synchronous Serial Engine (MPSSE) interface option, MCU Host Bus Emulation Mode option (FT2232)

407781

	Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
232	32	LQFP	USB UART - Asynchronous Serial Data Transfer	FT232BL/TR	SMD 951-9769	12.37	10.58	9.24
245	32	LQFP	USB FIFO - Parallel FIFO Bidirectional Data Transfer	FT245BL/TR	SMD 951-9785	12.37	10.58	9.24
2232	48	LQFP	Dual USB UART/FIFO - Dual Channel Serial/Parallel Ports with a variety of configurations	FT2232L/TR	SMD 951-9793	16.96	14.48	12.89

USB-to-UART Bridge

NEW

This highly-integrated USB-to-UART bridge controller is designed to provide a simple solution for updating RS-232 designs to USB. The CP2101/2 include a USB 2.0 full-speed controller, transiever, oscillator, EEPROM and UART. The devices come in a 28-pin MLP 5x5mm package and aims to reduce the number of components and PCB space, no other external USB components are required. Also available is an evaluation kit, this includes a USB-to-UART/RS232 evaluation board, USB/RS232 cables and full documentation as well as the Virtual COM Port (VCP) drivers which are required to operate the devices. The VCP drivers work with existing COM port applications and use Linux, Macintosh or Windows (98/2000/XP) systems. Possible applications for the USB-to-UART bridge include USB to RS-232 adapters and USB to mobile phone connections.

404621

Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	+	+
Single-Chip USB-to-UART Bridge - 1024 bytes Flash	CP2102-GM	SMD 928-2130	10.12	8.46	7.21	– –	– –
CP2102 Evaluation Kit	CP2102EK	928-2122	120.90	– –	– –	– –	– –

Ethernet Controllers

NEW

422867

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	+
60	28	SOIC	Stand-Alone Ethernet Controller with SPI Interface	ENC28J60/SO	SMD 108-4618	13.23	8.65	– –
60	28	DIL	Stand-Alone Ethernet Controller with SPI Interface	ENC28J60/SP	108-4619	13.97	9.11	– –
60	28	SSOP	Stand-Alone Ethernet Controller with SPI Interface	ENC28J60/SS	SMD 108-4620	13.09	9.02	– –

Ethernet Controllers, Switches & Transducers

NEW

422889

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
8001	48	LQFP	1.8V, 3.3V 10/100BASETX/FX Physical Layer Transceiver	KSZ8001L	SMD 110-0673	10.45	7.84	6.74	6.70	– –
8695	289	PBGA	Integrated Multi-Port PCI Gateway Solution	KSZ8695P	SMD 110-0678	50.58	43.36	43.20	– –	– –
8841	128	PQFP	Single-Port Ethernet MAC Controllerwith Non-PCI Interface	KSZ8841-16MQL	SMD 110-0674	28.58	21.42	18.39	18.27	– –
8842	128	PQFP	2-Port Ethernet Switch with Non-PCI Interface	KSZ8842-16MQL	SMD 110-0675	33.23	24.90	21.35	21.25	– –
8893	128	PQFP	Integrated 3-Port 10/100 Managed Switch with PHYs	KSZ8893MQL	SMD 110-0676	29.20	24.31	20.86	20.79	– –
8995	128	PQFP	Integrated 5-Port 10/100 Managed Switch	KSZ8995MA	SMD 110-0677	24.22	20.18	17.32	17.21	– –

Comparators

210420

	Mftr.	Pins	Pkg	Description	Response Time (ns) typ.	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Single												
111	NSC	8	TO-5	Voltage Comparator (MIL TEMP)	200	LM111H.	404-019▲	8.88	6.46	4.84	– –	– –
111	NSC	8	TO-5	Voltage Comparator (MIL TEMP)	200	LM111H	121-6162	8.88	6.46	4.84	– –	– –
211	NSC	8	TO-5	Voltage Comparator (IND TEMP)	200	LM211H	121-6163	8.88	6.46	4.84	– –	– –
211	TI	8	SOIC	Single, Strobed Differential Comparator with Open Collector and Emitter Outputs	115	LM211D	SMD 229-2464	0.36	0.33	0.26	– –	– –
311	NSC	8	TO-5	Voltage Comparator	200	LM311H	121-6164	8.88	6.46	4.84	– –	– –
311	NSC	8	SOIC	Voltage Comparator	200	LM311M	SMD 948-7212	1.49	1.03	0.74	– –	– –
311	ON	8	DIL	Voltage Comparator	200	LM311N	334-3613	1.45	1.32	1.17	1.10	– –
311	ON	8	DIL	Voltage Comparator	200	LM311NG	121-4465	0.88	0.65	0.60	0.52	– –
311	NSC	8	DIL	Voltage Comparator	200	LM311N	948-7220	1.70	1.17	0.85	– –	– –
311	ST	8	DIL	Voltage Comparator	200	LM311N.	404-111▲‡	1.16	0.83	0.67	0.52	– –
311	ST	8	DIL	Voltage Comparator	200	LM311N	975-5942	1.16	0.83	0.67	0.52	– –
311	TI	8	SOIC	Single, Low-Power, Strobed Differential Comparator	1.2	LP311D	SMD 958-9678	2.23	1.78	1.40	0.97	– –
311	TI	8	SOIC	Single, Strobed Differential Comparator	115	LM311D	SMD 229-3183	0.36	0.31	0.26	– –	– –
331	TI	5	SOT-23	Single Low Voltage Comparator	1000	LMV331IDBVR.	SMD 355-8540	1.55	1.24	0.99	0.68	– –
331	TI	5	SOT-23	Single Low Voltage Comparator	1000	LMV331IDBVR	SMD 110-5936	1.88	1.35	1.01	0.68	– –
331	NSC	5	SOT-23	General Purpose, low Voltage TinyPack Comparator	1000	LMV331M5	SMD 119-7386	1.91	1.32	0.95	– –	– –
360	NSC	8	DIL	High Speed Differential Comparator	16	LM360N.	404-159‡	8.34	6.22	4.66	– –	– –
360	NSC	8	DIL	High Speed Differential Comparator	16	LM360N	948-7565	8.34	6.22	4.66	– –	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Response Time (ns) typ.	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Single												
361	NSC	14	DIL	High Speed Differential Comparator	12	LM361N	948-7573●	4.75	3.45	2.59	– –	– –
392	NSC	8	SOIC	Low Power Operational Amp./Voltage Comparator	1300	LM392M.	SMD 398-585‡	3.66	2.56	1.82	– –	– –
392	NSC	8	SOIC	Low Power Operational Amp./Voltage Comparator	1300	LM392M	SMD 948-6755●	3.66	2.56	1.82	– –	– –
392	NSC	8	DIL	Low Power Operational Amp./Voltage Comparator	1300	LM392N	948-6763●	3.81	2.76	1.97	– –	– –
397	NSC	5	SOT-23	Voltage Comparator with open collector output stage. (IND TEMP)	440	LM397MF	SMD 977-9108●	1.42	0.98	0.71	– –	– –
749	MAX	8	SOIC	LCD Bias Supply, digitally adjustable		MAX749CSA+	SMD 972-6365●	12.93	9.30	6.70	– –	– –
761	NSC	8	SOIC	Low Voltage, Precision Comparator with Push-Pull Output	0.12	LMV761MA	SMD 949-0590●	3.03	2.16	1.58	– –	– –
761	NSC	8	SOIC	Low Voltage, Precision Comparator with Push-Pull Output	0.12	LMV761MA.	SMD 579-6362‡	3.03	2.16	1.58	– –	– –
761	NSC	6	SOT-23	Low Voltage, Precision Comparator with Push-Pull Output	0.12	LMV761MF	SMD 977-9388●	3.03	2.16	1.58	– –	– –
761	NSC	6	SOT-23	Low Voltage, Precision Comparator with Push-Pull Output	0.12	LMV761MF.	SMD 579-6350‡	3.03	2.16	1.58	– –	– –
790	ADI	8	DIL	Comparator with latch	30	AD790JNZ	960-5045●	11.37	9.51	7.26	– –	– –
841	MICR	5	SC-70	Comparator with Reference	12	MIC841NYC5 TR	SMD 110-0681●	1.76	1.30	1.14	1.12	– –
903	MAX	8	SOIC	High Speed, Low Power Differential Comparator	8	MAX903CSA	SMD 305-1857▲‡	14.18	11.38	8.12	– –	– –
903	MAX	8	SOIC	High Speed, Low Power Differential Comparator	8	MAX903CSA+	SMD 972-4621●	14.18	11.38	8.12	– –	– –
931	MAX	8	DIL	Ultra Low Power, CMOS Comparator	4000	MAX931CPA+	118-8000●	4.55	3.48	2.48	– –	– –
941	MAX	8	DIL	High Speed, Low Power, Rail-to-Rail, CMOS Comparator	80	MAX941CPA	632-170▲	5.34	4.09	2.92	– –	– –
951	MAX	8	DIL	Low Power, Single Supply Operational Amp. and Comparator with internal reference. (IND TEMP)	4000	MAX951EPA	702-687▲	7.05	5.40	4.14	– –	– –
961	MAX	8	SOIC	Low Power, High Speed Comparator with input common mode range extending beyond the rails	4500	MAX961ESA+	SMD 972-5806●	13.87	10.61	7.57	– –	– –
999	MAX	5	SOT-23	Low Power, High Speed Comparator with input common mode range extending beyond the rails	4500	MAX999EUK+	SMD 972-5814●	13.67	10.49	7.49	– –	– –
1016	LT	8	DIL	High Speed Precision Comparator	10	LT1016CN8	404-238▲	12.23	7.79	6.32	– –	– –
1016	LT	8	DIL	High Speed Precision Comparator	10	LT1016CN8#PBF	955-9353●	12.23	7.79	6.32	– –	– –
1016	LT	8	SOIC	High Speed Precision Comparator	10	LT1016CS8	SMD 796-293▲	13.63	8.68	7.04	– –	– –
1016	LT	8	SOIC	High Speed Precision Comparator	10	LT1016CS8#PBF	SMD 955-9361●	13.63	8.68	7.04	– –	– –
1440	LT	8	DIL	Ultra Low Power, CMOS Comparator with programmable hysteresis	4000	LTC1440CN8#PBF	113-6643●	5.40	3.46	2.81	– –	– –
1440	LT	8	DIL	Ultra Low Power, CMOS Comparator with programmable hysteresis	4000	LTC1440CN8	790-904▲	5.75	3.66	2.97	– –	– –
1440	LT	8	SOIC	Ultralow Power Comparator with Reference		LTC1440CS8	SMD 476-7676▲	5.22	4.44	3.78	– –	– –
1440	LT	8	SOIC	Ultralow Power Comparator with Reference		LTC1440CS8#PBF	SMD 956-1145●	5.40	3.46	2.81	– –	– –
3011	TI	6	SOP	Comparator + Reference, Open Drain.	6	TLV3011AIDBVT	SMD 121-2373●	3.67	2.80	2.07	1.78	– –
3011	TI	6	SOP	Comparator + Reference, Open Drain.	6	TLV3011AIDBVT.	SMD 845-5384	3.91	2.99	2.20	1.90	– –
3012	TI	6	SOP	Comparator + Reference, Push-Pull	6	TLV3012AIDBVTG4	SMD 120-7296●	3.67	2.80	2.07	1.78	– –
3016	TI	8	SOIC	Comparator	0.0078	TL3016CD	SMD 845-3586●	3.91	2.99	2.20	1.90	– –
3016	TI	8	SOIC	Comparator	0.0078	TL3016ID	SMD 845-3594●	4.30	3.29	2.42	2.09	– –
3116	TI	8	SOIC	Comparator	0.0099	TL3116CD	SMD 845-3608●	3.91	2.99	2.20	1.90	– –
3491	TI	5	SOP	COMPARATOR	6	TLV3491AIDBVTG4	SMD 120-7299●	2.35	1.87	1.47	1.02	– –
3501	TI	8	SOIC	4.5ns, Rail-to-Rail, High Speed CMOS Comparator	0.0045	TLV3501AIDG4	SMD 996-9128●	6.60	5.05	3.86	3.39	– –
3702	TI	8	SOIC	Comparator, Dual	1.1	TLC3702ID	SMD 845-4299●	1.82	1.45	1.14	0.79	– –
7211	NSC	5	SOT-23	CMOS Comparator with Rail-to-Rail Input Vos=5mV max.	8000	LMC7211AIM5.	SMD 955-528‡	3.09	2.18	1.59	– –	– –
7211	NSC	5	SOT-23	CMOS Comparator with Rail-to-Rail Input Vos=5mV max.	8000	LMC7211AIM5	SMD 977-9922●	3.09	2.19	1.60	– –	– –
7211	NSC	8	SOIC	CMOS Comparator with Rail-to-Rail Input Vos=15mV max.	8000	LMC7211BIM.	SMD 955-541‡	2.93	2.05	1.46	– –	– –
7211	NSC	8	SOIC	CMOS Comparator with Rail-to-Rail Input Vos=15mV max.	8000	LMC7211BIM	SMD 949-4820●	2.93	2.05	1.46	– –	– –
7211	NSC	5	SOT-23	Tiny, Rail-to-Rail Input CMOS Comparator	8000	LMC7211BIM5	SMD 977-9655●	2.93	2.05	1.46	– –	– –
7215	NSC	8	SOIC	Micropower, Rail-to-Rail CMOS Comparator with push-pull output stage	1000	LMC7215IM.	SMD 789-835‡	3.29	2.35	1.67	– –	– –
7215	NSC	8	SOIC	Micropower, Rail-to-Rail CMOS Comparator with push-pull output stage	1000	LMC7215IM	SMD 949-4111●	3.29	2.35	1.67	– –	– –
7219	NSC	5	SOT-23	2.7V to 5V Comparator with Rail-to-Rail Output.	7	LMV7219M5	SMD 977-8764●	5.14	3.74	2.80	– –	– –
7221	NSC	8	SOIC	Micropower, Rail-to-Rail Input CMOS Comparator with Open Drain Output, 4mV Offset	7000	LMC7221BIM	SMD 949-4839●	3.29	2.40	1.71	– –	– –
7221	NSC	5	SOT-23	Micropower, Rail-to-Rail Input CMOS Comparator, Open Drain Output, 9mV Offset	8000	LMC7221AIM5	SMD 977-9930●	3.58	2.57	1.88	– –	– –
7235	NSC	5	SOT-23	Low power comparator with rail-to-rail input and Open Drain output.	45	LMV7235M5.	SMD 355-0606‡	3.27	2.40	1.75	– –	– –
7235	NSC	5	SOT-23	Low power comparator with rail-to-rail input and Open Drain output.	45	LMV7235M5	SMD 977-8918●	3.27	2.40	1.75	– –	– –
7239	NSC	5	SOT-23	Low power comparator with rail-to-rail input and push-pull output stage.	45	LMV7239M5	SMD 977-8926●	3.27	2.40	1.75	– –	– –
7271	NSC	5	SOT-23	Single & Dual, 1.8V Low Power Comparators with Rail-to-Rail input	0.88	LMV7271MF	SMD 977-9795●	2.70	1.94	1.38	– –	– –
7291	NSC	5	SOT-23-5	Single 1.8V Low Power Comparator with Rail-to-Rail	0.88	LMV7291MG	SMD 818-7649●	2.70	1.89	1.35	– –	– –
8561	ADI	8	DIL	Single Supply Comparator (IND TEMP/Upgrade for LT1016)	7	AD8561ANZ	960-3867●	5.22	4.17	3.30	– –	– –
8611	ADI	8	SOIC	Ultrafast 4 ns Single Supply Comparator (IND TEMP)	0.004	AD8611ARZ	SMD 960-4324●	6.36	5.40	4.32	– –	– –
Dual												
293	NSC	8	TO-5	Dual Low Power CMOS Comparator	1300	LM293H.	704-520▲	8.68	7.14	6.44	– –	– –
293	NSC	8	TO-5	Dual Low Power CMOS Comparator	1300	LM293H	121-6183●	8.68	7.14	6.44	– –	– –
293	TI	8	SOIC	Dual, General Purpose Differential Comparator	0.3	LM293AD	SMD 838-9225●	0.94	0.67	0.50	0.34	– –
293	TI	8	SOIC	Dual, General Purpose Differential Comparator	0.3	LM293D	SMD 229-2944●	0.36	0.33	0.26	– –	– –
293	TI	8	DIL	Dual, General Purpose Differential Comparator	0.3	LM293P	229-2956●	0.36	0.33	0.26	– –	– –
319	NSC	14	SOIC	High Speed Dual Comparator	80	LM319M	SMD 949-0469●	2.43	1.70	1.21	– –	– –
319	NSC	14	DIL	Dual High Speed Comparator	80	LM319N	948-7581●	2.80	1.96	1.39	– –	– –
319	ST	14	DIL	Dual High Speed Comparator	80	LM319N.	404-287▲	2.93	2.10	1.65	1.31	– –
319	ST	14	DIL	Dual High Speed Comparator	80	LM319N	109-4247●	3.02	2.16	1.70	1.34	– –
372	TI	8	DIL	Dual Low Power CMOS Differential Comparator	200	TLC372CP..	404-305	1.61	1.29	1.03	0.70	– –
372	TI	8	DIL	Dual Low Power CMOS Differential Comparator	200	TLC372CP	110-3023●	1.64	1.31	1.05	0.71	– –
372	ST	8	SOIC	Dual Low Power CMOS Comparator	600	TS372CD	SMD 109-4371●	2.80	2.01	1.58	1.25	– –
372	ST	8	DIL	Dual Low Power CMOS Differential Comparator	200	TS372CN.	404-317▲	2.80	2.01	1.58	1.25	– –
372	ST	8	DIL	Dual Low Power CMOS Differential Comparator	200	TS372CN	109-4372●	2.84	2.03	1.60	1.26	– –
393	TI	8	SOIC	Dual, General Purpose Differential Comparator	0.3	LM393AD	SMD 458-6128●	0.34	0.28	0.22	– –	– –
393	TI	8	SOIC	Dual Low Voltage Comparator.	1300	LMV393ID.	SMD 355-8563	1.47	1.17	0.94	0.64	– –
393	TI	8	SOIC	Dual Low Voltage Comparator.	1300	LMV393ID	SMD 110-2985●	1.56	1.12	0.84	0.56	– –
393	NSC	8	SOIC	Dual Low Power Comparator	1300	LM393M	SMD 948-7590●	1.83	1.26	0.91	– –	– –
393	NSC	8	DIL	Dual Low Power Comparator	1300	LM393N	948-7611●	1.97	1.36	0.98	– –	– –
393	ST	8	DIL	Dual Low Power Comparator	1300	LM393N.	404-342▲‡	0.92	0.66	0.53	0.41	– –
393	ST	8	DIL	Dual Low Power Comparator	1300	LM393N	975-5950●	0.92	0.66	0.53	0.41	– –
393	NSC	8	SOIC	Dual, General Purpose Comparator (Low Voltage version of LM393M)	1000	LMV393M.	SMD 101-655‡	1.97	1.38	1.00	– –	– –
393	NSC	8	SOIC	Dual, General Purpose Comparator (Low Voltage version of LM393M)	1000	LMV393M	SMD 930-6773●	1.97	1.38	1.00	– –	– –
393	TI	8	DIL	Dual Low Power CMOS Comparator	2500	TLC393CP..	404-366	1.92	1.53	1.20	0.84	– –
393	TI	8	DIL	Dual Low Power CMOS Comparator	2500	TLC393CP	110-3025●	1.82	1.45	1.14	0.79	– –
393	TI	8	TSSOP	Dual, General Purpose, Low-Voltage Comparator	1.2	LMV393IPW	SMD 958-9643●	1.72	1.23	0.93	0.62	– –
393	ST	8	SOIC	Dual, Micropower CMOS Comparator	2100	TS393CD.	SMD 787-322▲	3.42	2.45	1.93	1.52	– –
393	ST	8	SOIC	Dual, Micropower CMOS Comparator	2100	TS393CD	SMD 109-4374●	3.53	2.53	1.99	1.57	– –
393	ON	8	SOIC	Dual Low Power Comparator	1300	LM393DG	SMD 121-1108●	0.91	0.49	0.48	– –	– –

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C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Response Time (ns) typ.	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Dual												
393	ON	8	DIL	Dual Low Power Comparator	1300	LM393NG	121-1133	0.88	0.49	0.42	– –	– –
393	TI	8	SOIC	Dual, General Purpose Differential Comparator	0.3	LM393D	SMD 229-4229	0.31	0.28	0.23	– –	– –
393	TI	8	DIL	Dual, General Purpose Differential Comparator	0.3	LM393P	229-4230	0.31	0.28	0.23	– –	– –
762	NSC	8	SOIC	Low Voltage, Precision Comparator with Push-Pull Output	0.12	LMV762MA	SMD 949-0582	4.18	3.00	2.19	– –	– –
762	NSC	8	MSOP	Low Voltage, Precision Comparator with Push-Pull Output	0.12	LMV762MM	SMD 977-9370	4.18	3.00	2.19	– –	– –
932	MAX	8	DIL	Dual, Ultra Low Power, CMOS Comparator	4000	MAX932CPA+	118-8001	5.84	4.47	3.19	– –	– –
942	MAX	8	DIL	Dual, High Speed, Low Power, Rail-to-Rail, CMOS Comparator	80	MAX942CPA+	118-7999	5.70	4.36	3.11	– –	– –
942	MAX	8	SOIC	Dual, High Speed, Low Power, Rail-to-Rail, CMOS Comparator	80	MAX942CSA+	SMD 972-6411	5.70	4.36	3.11	– –	– –
942	MAX	8	SOIC	Dual, High Speed, Low Power, Rail-to-Rail, CMOS Comparator	80	MAX942ESA+	SMD 118-7986	8.49	6.49	4.63	– –	– –
1017	LT	8	DIL	Dual Micropower Comparator		LT1017IN8.	476-6982▲	8.55	7.11	5.70	– –	– –
1017	LT	8	DIL	Dual Micropower Comparator		LT1017IN8.#PBF	955-9370	8.80	5.64	4.59	– –	– –
1441	LT	8	DIL	Dual Ultra Low Power, CMOS Comparator	4000	LTC1441CN8	790-916▲	7.05	4.49	3.64	– –	– –
1442	LT	8	DIL	Dual Ultra Low Power, CMOS Comparator with programmable hysteresis	4000	LTC1442CN8	790-928▲	8.62	5.49	4.45	– –	– –
2903	NSC	8	SOIC	Dual Low Power Comparator	1500	LM2903M	SMD 948-7620	1.83	1.26	0.91	– –	– –
2903	NSC	8	DIL	Dual Low Power Comparator	1500	LM2903N.	404-410‡	1.16	0.80	0.58	– –	– –
2903	NSC	8	DIL	Dual Low Power Comparator	1500	LM2903N	948-7638	1.97	1.36	0.98	– –	– –
2903	ST	8	TSSOP	Dual Low Power Comparator (IND TEMP/TSSOP)	1300	LM2903PT.	SMD 302-4647▲	1.95	1.40	1.10	0.87	– –
2903	ST	8	TSSOP	Dual Low Power Comparator (IND TEMP/TSSOP)	1300	LM2903PT	SMD 109-4243	2.01	1.44	1.13	0.89	– –
2903	ON	8	SOIC	Dual Low Power Comparator (IND TEMP)	1500	LM2903DG	SMD 121-1096	0.98	0.55	0.52	– –	– –
2903	ON	8	DIL	Dual Low Power Comparator (IND TEMP)	1500	LM2903NG	121-1130	1.01	0.55	0.52	– –	– –
2903	TI	8	SOIC	Dual, General Purpose Differential Comparator	0.3	LM2903D	SMD 229-2889	0.29	0.25	0.21	– –	– –
2903	TI	8	TSSOP	Dual, General Purpose Differential Comparator	0.3	LM2903PWR	SMD 838-9209	0.98	0.75	0.56	0.36	– –
3702	TI	8	DIL	Dual Low Power CMOS Comparator	2500	TLC3702CP..	404-421	1.98	1.58	1.24	0.86	– –
3702	TI	8	DIL	Dual Low Power CMOS Comparator	2500	TLC3702CP	110-3026	1.70	1.36	1.08	0.74	– –
3702	ST	8	SOIC	Dual, Micropower Push-Pull Output Comparator	2300	TS3702ID	SMD 109-4370	4.17	2.99	2.35	1.85	– –
6762	NSC	8	SOIC	Dual, Micropower, Rail-to-Rail Input and Output CMOS Comparator. (IND TEMP)	4000	LMC6762AIM	SMD 949-4804	5.60	4.07	3.05	– –	– –
6772	NSC	8	SOIC	Dual, Micropower, Rail-to-Rail Input and Open Drain Output CMOS Comparator. (IND TEMP)	5000	LMC6772AIM.	SMD 955-437‡	5.60	4.07	3.05	– –	– –
6772	NSC	8	SOIC	Dual, Micropower, Rail-to-Rail Input and Open Drain Output CMOS Comparator. (IND TEMP)	5000	LMC6772AIM	SMD 949-4812	5.60	4.07	3.05	– –	– –
6772	NSC	8	DIL	Dual, Micropower, Rail-to-Rail Input CMOS Comparator with Open Drain Output	5000	LMC6772BIN	949-3735	5.70	4.04	2.95	– –	– –
Quad												
139	NSC	14	DIL	Quad Low Power Comparator (Ceramic, MIL TEMP)	1300	LM139J	404-445▲	9.75	8.02	7.24	– –	– –
239	NSC	14	DIL	Quad Low Power Comparator (Ceramic, IND TEMP)	1300	LM239J	404-457▲	9.75	8.02	7.24	– –	– –
239	ON	14	DIL	Quad Low Power Comparator (IND TEMP)	1300	LM239NG	966-5420	1.00	0.76	0.57	0.36	– –
239	ON	14	SOIC	Quad Low Power Comparator (IND TEMP)	1300	LM239DG	SMD 121-1093	1.07	0.78	0.65	– –	– –
239	TI	14	SOIC	Quad, General Purpose Differential Comparator	0.3	LM239D	SMD 838-9179	0.94	0.67	0.50	0.34	– –
339	NSC	14	SOIC	Low Power Low Offset Voltage Quad Comparator	1300	LM339AM	SMD 949-0485	1.89	1.30	0.94	– –	– –
339	NSC	14	DIL	Quad High Performance Low Power Comparator.	1300	LM339AN.	404-482‡	1.16	0.80	0.58	– –	– –
339	NSC	14	DIL	Quad High Performance Low Power Comparator.	1300	LM339AN	948-7646	1.97	1.38	1.00	– –	– –
339	ST	14	DIL	Quad High Performance Low Power Comparator.	1300	LM339AN.	404-494▲‡	1.73	1.24	0.99	0.77	– –
339	ST	14	DIL	Quad High Performance Low Power Comparator.	1300	LM339AN	975-5969	1.73	1.24	0.99	0.77	– –
339	NSC	14	SOIC	Quad Low Power Comparator	1300	LM339M	SMD 948-7654	1.83	1.26	0.91	– –	– –
339	ON	14	DIL	Quad Low Power Comparator	1300	LM339NG	966-4491	0.75	0.46	0.43	– –	– –
339	ON	14	SOIC	Quad Low Power Comparator	1300	LM339DG	SMD 121-1105	0.91	0.49	0.48	– –	– –
339	NSC	14	DIL	Quad Low Power Comparator	1300	LM339N	948-7670	1.97	1.36	0.98	– –	– –
339	NSC	14	SOIC	Quad, General Purpose Comparator (Low Voltage version of LM339)	1000	LMV339M.	SMD 101-667‡	2.24	1.56	1.11	– –	– –
339	NSC	14	SOIC	Quad, General Purpose Comparator (Low Voltage version of LM339)	1000	LMV339M	SMD 930-6790	2.24	1.56	1.11	– –	– –
339	TI	14	SOIC	Quad, Low-Power, General Purpose Differential Comparator	8	LP339D	SMD 958-9686	1.17	0.84	0.63	0.42	– –
339	NSC	14	SOIC	Quad Ultra Low Power Comparator	5000	LP339M	SMD 948-7662	1.93	1.35	0.98	– –	– –
339	NSC	14	DIL	Quad Ultra Low Power Comparator	5000	LP339N.	425-450‡	1.97	1.36	0.98	– –	– –
339	NSC	14	DIL	Quad Ultra Low Power Comparator	5000	LP339N	949-0477	2.24	1.56	1.11	– –	– –
339	TI	14	DIL	Quad Low Power CMOS Comparator	2500	TLC339CN..	404-561	2.15	1.72	1.35	0.94	– –
339	TI	14	DIL	Quad Low Power CMOS Comparator	2500	TLC339CN	110-3028	2.17	1.73	1.36	0.94	– –
339	ST	14	SOIC	Quad Micropower CMOS Comparator	2100	TS339CD.	SMD 787-310▲	3.49	2.50	1.97	1.56	– –
339	ST	14	SOIC	Quad Micropower CMOS Comparator	2100	TS339CD	SMD 109-4369	3.60	2.58	2.03	1.60	– –
339	TI	14	SOIC	Quad, General Purpose Differential Comparator	0.3	LM339AD	SMD 229-3717	0.36	0.31	0.26	– –	– –
339	TI	14	SOIC	Quad, General Purpose Differential Comparator	0.3	LM339D	SMD 229-3778	0.31	0.28	0.23	– –	– –
339	ST	14	DIL	Quad Low Power Comparator	1300	LM339N	975-5977	0.97	0.70	0.56	0.43	– –
339	TI	14	TSSOP	Quad, General Purpose Differential Comparator	0.3	LM339PW	SMD 751-7749	0.31	0.28	0.23	– –	– –
339	TI	14	DIL	Quad, General Purpose Differential Comparator	0.3	LM339N	229-3821	0.31	0.28	0.23	– –	– –
2901	TI	14	SOIC	Quad, Low-Power, General Purpose Differential Comparator	8	LP2901D	SMD 958-9651	2.23	1.78	1.40	0.97	– –
2901	NSC	14	SOIC	Quad Low Power Comparator	1300	LM2901M.	SMD 404-603‡	0.63	0.43	0.31	– –	– –
2901	NSC	14	SOIC	Quad Low Power Comparator	1300	LM2901M	SMD 948-7689	1.83	1.26	0.91	– –	– –
2901	NSC	14	DIL	Quad Low Power Comparator	1300	LM2901N.	404-615‡	1.97	1.36	0.98	– –	– –
2901	NSC	14	DIL	Quad Low Power Comparator	1300	LM2901N	948-7697	1.97	1.36	0.98	– –	– –
2901	TI	14	DIL	Quad, Low-Power, General Purpose Differential Comparator	8	LP2901NG4	958-9660	3.67	2.81	2.07	1.79	– –
2901	ST	14	TSSOP	Quad Low Power Comparator (IND TEMP/TSSOP)	1300	LM2901PT.	SMD 302-4635▲	2.05	1.47	1.16	0.91	– –
2901	ST	14	TSSOP	Quad Low Power Comparator (IND TEMP/TSSOP)	1300	LM2901PT	SMD 109-4241	2.11	1.52	1.19	0.94	– –
2901	ON	14	SOIC	Quad Low Power Comparator (IND TEMP)	1300	LM2901DG	SMD 121-1095	0.98	0.55	0.52	– –	– –
2901	TI	14	SOIC	Quad, General Purpose Differential Comparator	0.3	LM2901D	SMD 229-2816	0.29	0.25	0.23	– –	– –
2901	TI	14	DIL	Quad, General Purpose Differential Comparator	0.3	LM2901N	229-2828	0.29	0.25	0.21	– –	– –
3302	NSC	14	DIL	Quad Low Power Comparator	1300	LM3302N	948-7700	2.05	1.43	1.04	– –	– –
3704	TI	14	DIL	Quad Low Power CMOS Comparator	2500	TLC3704CN..	404-652	2.23	1.78	1.40	0.97	– –
3704	TI	14	DIL	Quad Low Power CMOS Comparator	2500	TLC3704CN	110-3029	2.35	1.87	1.47	1.02	– –
3704	TI	14	SOIC	Comparator, Quad	1.1	TLC3704ID	SMD 845-4310	2.70	2.15	1.69	1.17	– –
8564	ADI	16	DIL	Quad, Single Supply Comparator (IND TEMP)	7	AD8564ANZ	960-3875	10.92	9.32	7.45	– –	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Digital Potentiometers

Digital Potentiometers

ANALOG DEVICES

210939

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
5165	8	SOT-23	Single-channel, 256-Position, Ultralow Power 1.8V Logic-Level Digital Potentiometer, 100k	AD5165BUJZ100-R2	SMD 107-8399	2.48	2.07	1.66
5171	8	SOT-23	Single-channel, 64 Position OTP I²C Compatible Digital Potentiometer, 100k	AD5171BRJZ100-R2	SMD 107-8395	2.97	2.48	1.98
5171	8	SOT-23	Single-channel, 64 Position OTP I²C Compatible Digital Potentiometer, 10k	AD5171BRJZ10-R2	SMD 107-8396	2.97	2.48	1.98
5171	8	SOT-23	Single-channel, 64 Position OTP I²C Compatible Digital Potentiometer, 50k	AD5171BRJZ50-R2	SMD 107-8397	2.97	2.48	1.98
5171	8	SOT-23	Single-channel, 64 Position OTP I²C Compatible Digital Potentiometer, 5k	AD5171BRJZ5-R2	SMD 107-8398	2.97	2.48	1.98
5204	24	SOIC	4-channel, 256 position digital potentiometer, 10k resistance	AD5204BRZ10	SMD 960-4090	5.94	4.77	3.96
	24	SOIC	4-channel, 256 position digital potentiometer, 50k resistance	AD5204BRZ50	SMD 114-3196	5.94	4.77	3.96
5204	24	SOIC	4-channel, 256 position digital potentiometer, 100k resistance	AD5204BRZ100	SMD 960-4103	5.94	4.77	3.96
5220	8	DIL	Single channel, 128 position digital potentiometer, 50k	AD5220BN50	314-5608 ‡	2.76	2.31	1.77
5220	8	DIL	Single channel, 128 position digital potentiometer, 100k	AD5220BN100	314-5591 ‡	2.76	2.31	1.77
5220	8	DIL	Single channel, 128 position digital potentiometer, 100k	AD5220BNZ100	107-9318	2.76	2.31	1.77
5227	8	TSOT	Single-channel, 64-Position Manual Up/Down Control Potentiometer, 100k	AD5227BUJZ100-R2	SMD 107-8391	2.16	1.80	1.44
5227	8	TSOT	Single-channel, 64-Position Manual Up/Down Control Potentiometer, 100k	AD5227BUJZ10-R2	SMD 107-8393	2.16	1.80	1.44
5227	8	TSOT	Single-channel, 64-Position Manual Up/Down Control Potentiometer, 100k	AD5227BUJZ50-R2	SMD 107-8394	2.16	1.80	1.44
5228	8	TSOT	Single-channel, 32-Position Manual Up/Down Control Potentiometer, 100k	AD5228BUJZ100-R2	SMD 107-8388	1.89	1.58	1.26
5228	8	TSOT	Single-channel, 32-Position Manual Up/Down Control Potentiometer, 10k	AD5228BUJZ10-R2	SMD 107-8389	1.89	1.58	1.26
5228	8	TSOT	Single-channel, 32-Position Manual Up/Down Control Potentiometer, 50k	AD5228BUJZ50-R2	SMD 107-8390	1.89	1.58	1.26
5241	14	SOIC	Single channel, 256 position digital potentiometer, 10k	AD5241BRZ10	SMD 942-5870	2.82	2.37	1.80
5241	14	SOIC	Single channel, 256 position digital potentiometer, 100kI²C Compatible, 256 Position Digital Potentiometer	AD5241BRZ100	SMD 942-5888	2.82	2.37	1.80
5241	14	SOIC	Single channel, 256 position digital potentiometer, 1M	AD5241BRZ1M	SMD 942-5896	2.82	2.37	1.80
5242	16	SOIC	Dual channel, 256 position digital potentiometer, 10k	AD5242BRZ10	SMD 960-4111	3.87	3.24	2.49
5242	16	SOIC	Dual channel, 256 position digital potentiometer, 100k	AD5242BRZ100	SMD 107-9336	3.87	3.24	2.49
5242	16	SOIC	Dual channel, 256 position digital potentiometer, 1M	AD5242BRZ1M	SMD 107-9337	3.87	3.24	2.49
5251	14	TSSOP	Dual-Channel, 64-Position I²C Nonvolatile Memory Digital Potentiometer, 10k resistance	AD5251BRUZ10	SMD 114-3230	5.77	4.81	3.85
5251	14	TSSOP	Dual-Channel, 64-Position I²C Nonvolatile Memory Digital Potentiometer, 100k resistance	AD5251BRUZ100	SMD 114-3231	5.77	4.81	3.85
5252	14	TSSOP	Dual-channel, 256-Position I²C Nonvolatile Memory, Digital Potentiometer, 1k	AD5252BRUZ1	SMD 107-8384	7.32	6.12	4.68
5252	14	TSSOP	Dual-channel, 256-Position I²C Nonvolatile Memory, Digital Potentiometer, 10k	AD5252BRUZ10	SMD 107-8385	7.32	6.12	4.68
5252	14	TSSOP	Dual-channel, 256-Position I²C Nonvolatile Memory, Digital Potentiometer, 100k	AD5252BRUZ100	SMD 107-8386	7.32	6.12	4.68
5252	14	TSSOP	Dual-channel, 256-Position I²C Nonvolatile Memory, Digital Potentiometer, 50k	AD5252BRUZ50	SMD 107-8387	7.32	6.12	4.68
5253	20	TSSOP	4-channel, 64-Position I²C Nonvolatile Memory, Digital Potentiometer, 1k	AD5253BRUZ1	SMD 107-8378	7.59	6.36	4.86
5253	20	TSSOP	4-channel, 64-Position I²C Nonvolatile Memory, Digital Potentiometer, 10k	AD5253BRUZ10	SMD 107-8381	7.59	6.36	4.86
5253	20	TSSOP	4-channel, 64-Position I²C Nonvolatile Memory, Digital Potentiometer, 100k	AD5253BRUZ100	SMD 107-8382	7.59	6.36	4.86
5253	20	TSSOP	4-channel, 64-Position I²C Nonvolatile Memory, Digital Potentiometer, 50k	AD5253BRUZ50	SMD 107-8383	7.59	6.36	4.86
5254	20	TSSOP	4-channel, 256-Position I²C Nonvolatile Memory, Digital Potentiometer, 1k	AD5254BRUZ1	SMD 107-8374	9.02	7.52	6.01
5254	20	TSSOP	4-channel, 256-Position I²C Nonvolatile Memory, Digital Potentiometer, 10k	AD5254BRUZ10	SMD 107-8375	9.02	7.52	6.01
5254	20	TSSOP	4-channel, 256-Position I²C Nonvolatile Memory, Digital Potentiometer, 100k	AD5254BRUZ100	SMD 107-8376	9.02	7.52	6.01
5254	20	TSSOP	4-channel, 256-Position I²C Nonvolatile Memory, Digital Potentiometer, 50k	AD5254BRUZ50	SMD 107-8377	9.02	7.52	6.01
5255	24	TSSOP	3-Channel, Dual 512 and Single 128 Position Digital Potentiometer with Nonvolatile Memory, 25k	AD5255BRUZ25	SMD 107-8372	15.34	12.78	10.22
5255	24	TSSOP	3-Channel, Dual 512 and Single 128 Position Digital Potentiometer with Nonvolatile Memory, 250k	AD5255BRUZ250	SMD 107-8373	15.34	12.78	10.22
5263	24	TSSOP	Quad-Channel, 15 V, 256-Position, DigitalPotentiometer with Pin Selectable SPI/I2C, 50k resistance	AD5263BRUZ50	SMD 114-3233	9.75	8.16	6.24

Digital Potentiometers

MAXIM DALLAS SEMICONDUCTOR

210762

Mftrs. List No.	Pots/ Package	Wiper Memory	No. of Positions	Resistance	Power Supply	Control Interface	Pins	Pkg	Order Code	Price Each 1+	25+	100+	+
DS1267S-010	2	Volatile	256-LIN	10K	5V, ±5V	3-WIRE SERIAL	16	SOIC	SMD 703-461 ▲‡	17.58	13.82	10.97	– –
DS1267S-010+	2	Volatile	256-LIN	10K	5V, ±5V	3-WIRE SERIAL	16	SOIC	SMD 972-6306	17.49	13.75	10.91	– –
DS1267S-050+	2	Volatile	256-LIN	50K	5V, ±5V	3-WIRE SERIAL	16	SOIC	SMD 972-6284	17.49	13.75	10.91	– –
DS1267S-100	2	Volatile	256-LIN	100K	5V, ±5V	3-WIRE SERIAL	16	SOIC	SMD 703-394 ▲‡	17.58	13.82	10.97	– –
DS1267S-100+	2	Volatile	256-LIN	100K	5V, ±5V	3-WIRE SERIAL	16	SOIC	SMD 972-6292	17.49	13.75	10.91	– –
DS12670-010+	2	Volatile	256-LIN	10K	5V, ±5V	3-WIRE SERIAL	14	DIL	972-5890	13.17	10.35	8.29	– –
DS1267-050	2	Volatile	256-LIN	50K	5V, ±5V	3-WIRE SERIAL	14	DIL	703-370 ▲	15.22	11.96	9.58	– –
DS1267-100	2	Volatile	256-LIN	100K	5V, ±5V	3-WIRE SERIAL	14	DIL	563-353 ▲	16.24	12.77	10.22	– –
DS1801+	2	Volatile	64-LOG	50K	3V,5V	3-WIRE SERIAL	14	DIL	972-6217	11.81	9.28	7.43	– –
DS1801S+	2	Volatile	64-LOG	50K	3V,5V	3-WIRE SERIAL	16	SOIC	SMD 972-6225	12.66	9.95	7.97	– –
DS1802+	2	Volatile	64-LOG	50K	3V,5V	3-WIRE SERIAL	20	DIL	118-8071	13.54	10.64	8.53	– –
DS1802S+	2	Volatile	64-LOG	50K	3V,5V	3-WIRE SERIAL	20	SOIC	SMD 972-6233	15.79	12.41	9.94	– –
DS1803Z-010+	2	Volatile	256-LOG	50K	3V,5V	3-WIRE SERIAL	16	SOIC	SMD 972-5288	11.66	9.16	7.34	– –
DS18030-010	2	Volatile	256-LIN	10K	3V,5V	2-WIRE ADDRESSABLE	16	DIL	796-037 ▲	10.76	8.46	6.77	– –
DS18030-050	2	Volatile	256-LIN	50K	3V,5V	2-WIRE ADDRESSABLE	16	DIL	796-049 ▲	10.76	8.46	6.77	– –
DS18030-100	2	Volatile	256-LIN	100K	3V,5V	2-WIRE ADDRESSABLE	16	DIL	796-050 ▲	10.76	8.46	6.77	– –
DS1804Z-010+	1	Non volatile	100-LIN	10K	3V,5V	INC/DECREMENT	8	SOIC	SMD 972-5296	5.93	4.66	3.73	– –
DS1804-10	1	Non volatile	100-LIN	10K	3V,5V	INC/DECREMENT	8	DIL	670-870 ▲	5.84	4.59	3.68	– –
DS1804-50	1	Non volatile	100-LIN	50K	3V,5V	INC/DECREMENT	8	DIL	670-881 ▲	5.69	4.47	3.58	– –
DS1804-100	1	Non volatile	100-LIN	100K	3V,5V	INC/DECREMENT	8	DIL	670-893 ▲	5.69	4.47	3.58	– –
DS1807	2	Volatile	64-LOG	50K	3V,5V	2-WIRE ADDRESSABLE	14	DIL	670-900 ▲	11.81	9.28	7.43	– –
DS1844-010	4	Volatile	64-LIN	10K	3V,5V	2-WIRE ADDRESSABLE 5-WIRE SERIAL	20	DIL	300-1258 ▲	10.86	8.53	6.83	– –
DS1844S-010+	4	Volatile	64-LIN	10K	3V,5V	2-WIRE ADDRESSABLE 5-WIRE SERIAL	20	SOIC	SMD 972-3811	10.57	8.31	6.65	– –
DS1844S-050+	4	Volatile	64-LIN	50K	3V,5V	2-WIRE ADDRESSABLE 5-WIRE SERIAL	20	SOIC	SMD 972-3820	10.94	8.60	6.89	– –
DS1844S-100+	4	Volatile	64-LIN	100K	3V,5V	2-WIRE ADDRESSABLE 5-WIRE SERIAL	20	SOIC	SMD 972-3838	10.94	8.60	6.89	– –

XICOR

210452

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
9C102	8	DIL	CMOS Digitally Controlled Potentiometer. Max. resistance 10k . (99 Resistive Elements)	X9C102P	204-018	7.60	5.89	5.32	– –
9C102	8	DIL	CMOS Digitally Controlled Potentiometer. Max. resistance 10k . (99 Resistive Elements)	X9C102PZ	121-6104	7.83	6.07	5.48	– –
9C103	8	SOIC	CMOS Digitally Controlled Potentiometer. Max. resistance 10k	X9C103S	SMD 631-450	7.31	5.67	5.12	– –
9C103	8	SOIC	CMOS Digitally Controlled Potentiometer. Max. resistance 10k	X9C103SZ	SMD 121-6118	7.53	5.84	5.27	– –
103	8	SOIC	Digitally Controlled Potentiometer	X9C103SIZ	SMD 113-1420	7.53	5.84	5.27	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1529 Date: 22-08-06 time:02:10

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
9C103	8	DIL	CMOS Digitally Controlled Potentiometer. Max. resistance 10k	X9C103PZ	120-8129	14.45	12.17	8.98	6.18
9C104	8	DIL	CMOS Digitally Controlled Potentiometer. Max. resistance 100k	X9C104P	204-006	6.70	5.20	4.69	– –
9C104	8	DIL	CMOS Digitally Controlled Potentiometer. Max. resistance 100k	X9C104PIZ	121-6103	6.90	5.35	4.83	– –
9C104	8	SOIC	CMOS Digitally Controlled Potentiometer. Max. resistance 100k	X9C104S	SMD 631-462	7.26	5.62	5.08	– –
9C104	8	SOIC	CMOS Digitally Controlled Potentiometer. Max. resistance 100k	X9C104SZ	SMD 121-6121	7.48	5.79	5.23	– –
9C503	8	SOIC	CMOS Digitally Controlled Potentiometer. Max. resistance 50k	X9C503S	SMD 631-474	7.26	5.62	5.08	– –
9C503	8	SOIC	CMOS Digitally Controlled Potentiometer. Max. resistance 50k	X9C503SZ	SMD 121-6122	7.48	5.79	5.23	– –
9313	8	DIL	CMOS Digitally Controlled Potentiometer. Max. resistance 10k . (31 Resistive Elements)	X9313WP	270-740	5.62	4.35	3.93	– –
9313	8	SOIC	CMOS Digitally Controlled Potentiometer. Max. resistance 10k . (31 Resistive Elements)	X9313WS	SMD 788-004	5.87	4.55	4.11	– –
9313	8	SOIC	CMOS Digitally Controlled Potentiometer. Max. resistance 10k . (31 Resistive Elements)	X9313WSZ	SMD 121-6127	6.05	4.69	4.23	– –
9315	8	DIL	CMOS Digitally Controlled Potentiometer. Max. resistance 10k . (31 Resistive Elements)	X9315WP	300-6062	5.48	4.25	3.84	– –

Dividers & Counters

210427

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
7060	LSI	18	DIL	32-Bit Binary Up Counter with Latch, Multiplexer and Tri-state Drivers.	LS7060.	405-048	48.51	37.95	32.22
7060	LSI	18	DIL	32-Bit Binary Up Counter with Latch, Multiplexer and Tri-state Drivers.	LS7060	121-9011	48.51	37.95	32.22
7166	LSI	20	DIL	24-bit Multi-mode Counter	LS7166.	631-991	38.34	30.30	27.39
7166	LSI	20	DIL	24-bit Multi-mode Counter	LS7166	121-9014	38.34	30.30	27.39

F to V, V to F & RMS to DC Converters & VCOs

210431

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
32	ADI	14	DIL	V/F, F/V Converter, out:=500kHz max., ±0.05% linearity	ADVFC32KNZ	107-9386	16.78	13.98	11.18	– –	– –
32	BB	14	DIL	V/F, F/V Converter, out:=500kHz max., high linearity ±0.01% max at 10kHz FS, ±0.05% max at 100kHz FS	VFC32KP	109-7541	18.77	14.36	11.79	10.61	– –
32	TI	14	SOIC	Voltage-To-Frequency Converter	VFC32KUE4	SMD 120-7253	18.77	14.36	11.79	10.61	– –
32	TI	14	DIL	V/F, F/V Converter, out:=500kHz max., high linearity ±0.01% max at 10kHz FS, ±0.05% max at 100kHz FS	VFC32KPG4	121-9419	18.77	14.36	11.79	10.61	– –
38	MAX	20	DIL	High Frequency Waveform Generator	MAX038CPP+	118-8056	38.85	28.92	19.96	– –	– –
74	TI	6	SC70	Single-Supply Voltage Translator	SN74AUP1T98DCKTE4	SMD 105-3526	1.52	1.22	0.97	0.66	– –
74	TI	6	SOT-23	Single-Supply Voltage Translator	SN74AUP1T98DBVT	SMD 105-3533	1.52	1.22	0.97	0.66	– –
74	TI	6	SOT-23	Single-Supply Voltage Translator	SN74AUP1T97DBVTE4	SMD 105-3539	1.52	1.22	0.97	0.66	– –
110	TI	14	PDIP	Voltage-To-Frequency Converter	VFC110AP	121-2351	37.10	32.21	29.35	27.53	– –
110	TI	14	PDIP	Voltage-To-Frequency Converter	VFC110AP..	844-5419	35.59	30.91	28.17	26.41	– –
320	TI	14	PDIP	Voltage-To-Frequency Converter	VFC320BP	121-2352	38.71	33.62	30.63	28.72	– –
320	TI	14	PDIP	Voltage-To-Frequency Converter	VFC320BP.	844-5427	40.72	35.36	32.22	30.22	– –
331	NSC	8	DIL	Precision Voltage to Frequency Converter	LM331AN.	405-334‡	13.63	10.30	8.07	– –	– –
331	NSC	8	DIL	Precision Voltage to Frequency Converter	LM331AN	948-7743	13.63	10.30	8.07	– –	– –
331	NSC	8	DIL	Precision Voltage to Frequency Converter	LM331N	948-7751	5.49	4.03	3.02	– –	– –
536	ADI	14	DIL	True RMS to DC Converter - 2MHz (max) bandwidth, 60dB dynamic range.	AD536AJD	405-358	46.20	33.78	21.33	– –	– –
536	ADI	10	TO-100	True RMS to DC Converter - 2MHz (max) bandwidth, 60dB dynamic range.	AD536AJH	405-360	27.90	20.97	13.95	– –	– –
636	ADI	10	TO-100	True RMS to DC Converter - 1% error, 50dB O/P, 800µA IQ.	AD636JH	405-395	18.70	15.58	12.47	– –	– –
637	ADI	14	DIL	True RMS to DC Converter - 8MHz (max) bandwidth, 60dB dynamic range.	AD637JQ	594-970	34.74	29.04	22.14	– –	– –
637	ADI	14	DIL	High Precision Wide Band RMS to DC Converter. Acc. 0.02% max.Computes True RMS Square, Mean Square, Absolute Value, dB Output (60dB range). Bandwidth 8MHz at 2V RMS	AD637JD	318-2290	76.20	63.50	50.80	– –	– –
650	ADI	14	DIL	V/F, F/V Converter out 1MHz @ ±0.1% linearity	AD650JNZ	960-5436	34.56	20.34	16.26	– –	– –
654	ADI	8	DIL	V/F Converter, input voltage ±30V max. out:=500kHz max	AD654JNZ	960-5053	14.76	9.18	7.38	– –	– –
654	ADI	8	SOIC	V/F Converter, input voltage ±30V max. out: = 500KHz max.,0.03% linearity for 250KHz FS	AD654JRZ	SMD 960-5363	14.76	9.18	7.38	– –	– –
736	ADI	8	DIL	True RMS to DC Converter - 2% error, IQ 270µA max	AD736JNZ	960-5061	12.18	10.20	7.80	– –	– –
736	ADI	8	SOIC	RMS to DC Converter	AD736JRZ	SMD 960-5177	12.18	10.20	7.80	– –	– –
737	ADI	8	DIL	True RMS to DC Converter - 2% error, IQ 210µA max	AD737JNZ	960-5070	9.72	8.13	6.21	– –	– –
2206	EXAR	16	DIL	Monolithic Function Generator/VCO. 20ppm/°C	XR2206CP	562-658	11.25	10.00	8.18	7.50	– –
2206	EXAR	16	DIL	Monolithic Function/Waveform Generator.	XR2206CP-F	109-5815	8.17	6.84	5.86	– –	– –
2907	NSC	8	DIL	Frequency to Voltage Converter (Tachometer)	LM2907N-8.	405-462‡	3.13	2.22	1.62	– –	– –
2907	NSC	14	DIL	Frequency to Voltage Converter (Tachometer)	LM2907N	948-7760	3.13	2.22	1.62	– –	– –
2907	NSC	8	DIL	Frequency to Voltage Converter (Tachometer)	LM2907N-8	948-7778	3.13	2.22	1.62	– –	– –
2917	NSC	14	DIL	Frequency to Voltage Converter (Tachometer) ±28V in	LM2917N.	405-486‡	4.07	2.88	2.10	– –	– –
2917	NSC	8	DIL	Frequency to Voltage Converter (Tachometer) ±28V in	LM2917N-8.	405-498‡	3.55	2.52	1.84	– –	– –
2917	NSC	14	DIL	Frequency to Voltage Converter (Tachometer) ±28V in	LM2917N	948-7786	3.55	2.52	1.84	– –	– –
2917	NSC	8	DIL	Frequency to Voltage Converter (Tachometer) ±28V in	LM2917N-8	948-7794	3.55	2.52	1.84	– –	– –
4151	EXAR	8	DIL	Precision Voltage to Frequency Converter	XR4151CP	562-701	3.29	2.70	2.39	1.86	– –
4151	EXAR	8	DIL	Voltage-to-Frequency Converter.	XR4151CP-F	109-5817	2.15	1.79	1.56	– –	– –
9400	MCHIP	14	DIL	V/F, F/V Converter. 10Hz to 100kHz. Linearity (V/F)=0.05%	TC9400CPD	119-6782	9.64	8.03	7.27	– –	– –
9400	TS	14	DIL	V/F, F/V Converter. 10Hz to 100kHz. Linearity (V/F)=0.05%	TC9400CPD	976-2736	12.17	8.83	8.00	– –	– –
9402	MCHIP	14	DIL	V/F, F/V Converter. 10Hz to 100kHz. Linearity (V/F)=0.25%	TC9402CPD	121-3077	5.77	4.17	3.79	– –	– –



● Compliant
◆ Non-compliant
++ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Filters, Active

210429

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
4	TI	8	SOIC	Filter, Switched-Cap Low-Pass	TLC04ID	SMD 845-3667	5.06	3.87	2.96	2.60	– –
10	NSC	20	DIL	Monolithic Dual Switched Capacitor Filter, clock to centre frequency ratio error ±1.5%	MF10CCN	948-7727	7.80	5.67	4.25	– –	– –
14	TI	8	SOIC	Filter, Switched-Cap Low-Pass	TLC14CD	SMD 845-3748	4.64	3.55	2.62	2.26	– –
42	TI	16	SOIC	Universal Active Filter	UAF42AUE4	SMD 120-7366	24.65	21.18	18.27	16.43	– –
42	BB	14	DIL	Universal Active Filter, (Butterworth, Bessel, Chebyshev etc.)	UAF42AP.	558-989‡	24.65	21.18	18.27	16.43	– –
42	BB	14	DIL	Universal Active Filter, (Butterworth, Bessel, Chebyshev etc.)	UAF42AP	109-7552	24.65	21.18	18.27	16.43	– –
100	NSC	20	DIL	High Performance CMOS Dual Switched Capacitor Filter, clock to centre frequency ratio error ±0.2% typ. Operation up to 100kHz (Improved MF10)	LMF100CCN.	405-243‡	11.90	8.99	7.04	– –	– –
100	NSC	20	DIL	High Performance CMOS Dual Switched Capacitor Filter, clock to centre frequency ratio error ±0.2% typ. Operation up to 100kHz (Improved MF10)	LMF100CCN	948-7735	11.90	8.99	7.04	– –	– –
1062	LT	8	DIL	5th Order Low Pass Filter	LTC1062CN8	405-255	13.63	8.68	7.04	– –	– –
1062	LT	8	DIL	5th Order Low Pass Filter	LTC1062CN8#PBF	956-0815	13.63	8.68	7.04	– –	– –
1062	LT	16	SOIC	5th Order Lowpass Filter	LTC1062CSW	SMD 476-7482	11.85	9.87	7.92	– –	– –
1062	LT	16	SOIC	5th Order Lowpass Filter	LTC1062CSW#PBF	SMD 956-0823	12.24	7.84	6.38	– –	– –
1063	LT	8	DIL	5th Order Butterworth Low Pass Filter (clock sweepable without changing the input coupling network)	LTC1063CN8	459-800	20.90	13.31	10.79	– –	– –
1063	LT	8	DIL	5th Order Butterworth Low Pass Filter (clock sweepable without changing the input coupling network)	LTC1063CN8#PBF	956-0831	20.90	13.31	10.79	– –	– –
1063	LT	16	SOIC	Clock-Tunable 5th Order Butterworth Filter	LTC1063CSW	SMD 476-7494	20.37	17.31	14.85	– –	– –
1063	LT	16	SOIC	Clock-Tunable 5th Order Butterworth Filter	LTC1063CSW#PBF	SMD 956-0840	21.04	13.48	10.86	– –	– –
1064	LT	14	DIL	8th Order Butterworth Lowpass Filter	LTC1064-2CN	476-7500	37.89	32.22	27.60	– –	– –
1064	LT	14	DIL	8th Order Butterworth Lowpass Filter	LTC1064-2CN#PBF	956-0858	39.10	24.37	20.19	– –	– –
7480	MAX	8	SOIC	8TH- Order, Low-Pass, Butterworth, Switched Capacitor Filter. Clock to Corner ratio 100:1, tunable corner frequency 1Hz to 2kHz	MAX7480ESA+	SMD 118-7937	10.82	8.28	5.61	– –	– –

Hall Effect Switches

210449

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
94	HON	3 / SIL	Linear Output Hall Effect Transducer	SS94A2..	405-620	43.53	36.66	33.00
94	HON	3 / SIL	Linear Output Hall Effect Transducer	SS94A2	120-8001	48.53	40.92	36.81
634SS2	HON	4 / DIL	Hall Effect analogue position sensor	634SS2.	369-5670	38.94	32.76	29.30
634SS2	HON	4 / DIL	Hall Effect analogue position sensor	634SS2	121-5665	38.94	32.76	29.30
3020	OPT	3 / SIL	Hallogic Hall Effect Sensor	OHS3020U	120-2503	7.81	6.25	4.56
3030	OPT	3 / SIL	Hallogic Hall Effect Sensor	OHS3030U	120-2504	9.60	7.62	5.21
3040	OPT	3 / SIL	Hallogic Hall Effect Sensor	OHS3040U	120-2505	10.42	8.63	6.18
3240	ALEG	3 / SIL	Chopper-Stabilized, Precision Hall Effect Switch, BOP 50 Gauss max. BRP 25 Gauss typ. (IND TEMP)	A3240EUA	300-5136	4.68	2.85	2.40
3240	ALEG	3 / SIL	Chopper-Stabilized, Precision Hall Effect Switch, BOP 50 Gauss max. BRP 25 Gauss typ. (IND TEMP)	A3240EUA	300-5136	4.68	2.85	2.40
3240	ALEG	3 / SIL	Chopper-Stabilized, Precision Hall Effect Switch, BOP 50 Gauss max. BRP 25 Gauss typ. (IND TEMP)	A3240EUA-T	114-1949	4.68	2.85	2.40
3280	ALEG	3 / SIL	Chopper-Stabilized, Precision Hall Effect Switch, BOP 40 Gauss max. BRP -5 Gauss max. (IND TEMP)	A3280EUA	300-5161	4.26	2.64	2.16
3280	ALEG	3 / SIL	Chopper-Stabilized, Precision Hall Effect Switch, BOP 40 Gauss max. BRP -5 Gauss max. (IND TEMP)	A3280EUA	300-5161	4.26	2.64	2.16
3280	ALEG	3 / SIL	Chopper-Stabilized, Precision Hall Effect Switch, BOP 40 Gauss max. BRP -5 Gauss max. (IND TEMP)	A3280EUA-T	119-3487	4.26	2.64	2.16
3422	ALEG	5 / SIL	Direction-Detection Hall Effect Sensor, BOP 75 Gauss max. BRP -18 Gauss typ. (IND TEMP)	A3422EKA	300-5112	9.21	5.79	4.74
3422	ALEG	5 / SIL	Direction-Detection Hall Effect Sensor, BOP 75 Gauss max. BRP -18 Gauss typ. (IND TEMP)	A3422EKA	300-5112	9.21	5.79	4.74
3422	ALEG	5 / SIL	Direction-Detection Hall Effect Sensor, BOP 75 Gauss max. BRP -18 Gauss typ. (IND TEMP)	A3422EKA-T	119-3486	9.21	5.79	4.74

LCD Drivers

210433

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
749	MAX	8	SOIC	LCD Bias Supply, digitally adjustable	MAX749CSA	SMD 787-700‡	11.89	9.10	6.17	– –	– –
749	MAX	8	SOIC	LCD Bias Supply, digitally adjustable	MAX749CSA+	SMD 972-6365	12.93	9.30	6.70	– –	– –
2111	PS	40	VSO	4064-Segment Silicon Gate CMOS LCD Driver	PCF2111CT/F1,112	890-6106	5.96	4.85	4.04	– –	– –
2112	PS	40	VSO	64-Segment Silicon Gate CMOS LCD Driver	PCF2112CT/F1,112	SMD 890-6114	6.44	5.27	4.39	– –	– –
3931	NSC	24	LLP	Dual RGB LED Driver with High Current Boost DC-DC Converter	LP3931ISQ	SMD 100-8068	7.43	5.40	4.05	– –	– –
3933	NSC	32	CSP	Lighting Management System for Six White LEDs and Two RGB or FLASH LEDs	LP3933SL	SMD 820-6856	8.34	6.28	4.71	– –	– –
3936	NSC	32	CSP	Lighting Management System for Six White LEDs and One RGB or FLASH LED	LP3936SL	SMD 820-6864	8.34	6.06	4.54	– –	– –
3943	NSC	24	LLP	RGB/White/Blue 6-LED Fun Light Driver	LP3943ISQ	SMD 820-6872	7.43	5.40	4.05	– –	– –
3944	NSC	24	LLP	RGB/White/Blue 8-LED Fun Light Driver	LP3944ISQ	SMD 820-6880	7.00	5.09	3.81	– –	– –
3950	NSC	32	LLP	Color LED Driver with Audio Synchronizer	LP3950SL	SMD 100-8069	8.34	6.06	4.54	– –	– –
5452	NSC	40	DIL	33-Segment and Back Plane LCD Driver (Serially Loaded)	MM5452N.	405-693	9.36	6.80	5.10	– –	– –
5452	NSC	44	PLCC	32-Segment and Back Plane LCD Driver (Serially Loaded)	MM5452V.	SMD 703-576‡	11.63	8.45	6.33	– –	– –
5452	NSC	40	DIL	33-Segment and Back Plane LCD Driver (Serially Loaded)	MM5452N	121-5186	10.66	7.75	5.80	– –	– –
5452	NSC	44	PLCC	32-Segment and Back Plane LCD Driver (Serially Loaded)	MM5452V	SMD 949-3859	11.63	8.45	6.33	– –	– –
5453	NSC	40	DIL	Serial In/Parallel Out LCD Driver (Serially Loaded)	MM5453N	948-7808	9.10	6.61	4.95	– –	– –
7211	INTS	40	DIL	CMOS 4-digit LCD Decoder Driver (μP interface)	ICM7211AMIPL	405-723	5.79	4.97	4.39	3.67	– –
7211	INTS	40	DIL	CMOS 4-digit LCD Decoder Driver (μP interface)	ICM7211AMIPLZ	120-1539	5.97	5.12	4.52	3.78	– –
8566	PS	40	VSOP	24-Segment Universal LCD Driver for low multiplex rates	PCF8566T,112	SMD 890-6149	7.81	6.44	5.31	– –	– –
8576	PS	56	VSOP	LCD Direct/Duplex Driver with I²C-Bus Interface	PCF8576T,112	SMD 890-6181	9.60	7.84	6.54	– –	– –
8577	PS	40	DIL	LCD Direct/Duplex Driver with I²C-Bus Interface	PCF8577CP/F3,112	890-6190	7.84	6.41	5.34	– –	– –
8577	PS	40	VSOP	LCD Direct/Duplex Driver with I²C-Bus Interface	PCF8577CT/F3,112	SMD 890-6203	6.87	5.60	4.69	– –	– –

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LED Drivers

210434

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
16	ST	24	DIL	16-BIT Constant Current LED Sink Driver	STP16C596B1R	109-5406	4.77	4.05	2.86	2.38	– –
16	ST	24	DIL	Low Voltage 16-BIT Constant Current LED Sink Driver	STP16CL596B1R	109-5408	5.11	4.35	3.07	2.56	– –
32	CAT	6	SOT-23	CMOS White LED Driver	CAT32TDI-TE7	SMC 880-3722	2.28	1.95	1.63	– –	– –
300	ZET	5	SOT-23	Single / Multicell LED driver	ZXSC300E5TA	SMC 113-2760	1.50	1.12	0.75	0.60	– –
300	ZET	5	SOT-23	Single / Multicell LED driver	ZXSC300E5TA.	SMC 384-7986▲	1.50	1.12	0.75	0.60	– –
400	ZET	6	SOT-23	Multi Cell LED Driver Voltage Made Boost Converter	ZXSC400E6	SMC 113-2782	1.81	1.36	0.90	0.72	– –
400	ZET	6	SOT-23	Multi Cell LED Driver Voltage Made Boost Converter	ZXSC400E6.	SMC 772-1366	3.21	2.41	1.60	1.28	– –
1937	ZET	5	TSOT-23-5	PFM Inductive Boost Step-up converter for LED backlighting	ZXLD1937ET5	SMC 113-2783	2.99	2.24	1.50	1.20	– –
1937	ZET	5	TSOT-23-5	PFM Inductive Boost Step-up converter for LED backlighting	ZXLD1937ET5.	SMC 772-1412	3.45	2.59	1.72	1.38	– –
2289	MICR	8	MLF	White LED Driver with Internal Schottky Diode and OVP	MIC2289-15YML TR	SMC 110-0669	4.49	3.74	3.21	– –	– –
2291	MICR	5	SOT-23	1.2A PWM Boost Regulator Photo Flash LED Driver	MIC2291YD5 TR	SMC 110-0670	4.78	3.81	3.26	– –	– –
2293	MICR	8	MLF	High Frequency PWM White LED Drivers with Internal Schottky Diode and OVP	MIC2293-15YML TR	SMC 110-0672	4.85	3.87	3.35	– –	– –
2796	NSC	18	Bump Micro SMD	Dual-Display White LED Driver with 3/2x Switched Capacitor Boost	LM2796TL	SMC 818-1322	8.18	5.95	4.46	– –	– –
2981	ALEG	18	DIL	LED/Relay Driver, 8 NPN Darlingtons +5V input, 500mA output	UDN2981A-T	119-3495	9.39	4.41	3.60	3.49	– –
3500	NSC	8	Bump Micro SMD	Synchronous Step-up DC/DC Converter for White LED Applications	LM3500TL-21	SMC 100-8011	6.51	4.97	3.72	– –	– –
3500	NSC	8	Bump Micro SMD	Synchronous Step-up DC/DC Converter for White LED Applications	LM3500TL-16	SMC 823-8847	6.51	4.73	3.55	– –	– –
3501	NSC	8	Bump Micro SMD	Synchronous Step-up DC/DC Converter for White LED Applications	LM3501TL-16	SMC 823-8855	7.00	5.09	3.81	– –	– –
3590	NSC	5	SOT-23	Series White LED Driver	LM3590MF	SMC 818-1330	2.46	1.72	1.22	– –	– –
3595	NSC	10	LLP	Parallel White-LED Driver	LM3595LD	SMC 818-1349	4.47	3.16	2.31	– –	– –
3914	NSC	18	DIL	LED Bar /Dot Display Driver - 10 Linear Steps (replaces LM3914N)	LM3914N-1	948-6500	4.85	3.43	2.50	– –	– –
3915	NSC	18	DIL	LED bar/dot Display Driver - Log Scaling 10 x 3dB steps (replaces LM3915N)	LM3915N-1.	355-7080‡	4.44	3.15	2.30	– –	– –
3915	NSC	18	DIL	LED bar/dot Display Driver - Log Scaling 10 x 3dB steps (replaces LM3915N)	LM3915N-1	948-6518	4.44	3.15	2.30	– –	– –
3916	NSC	18	DIL	LED Bar/Dot Display Driver - 10 steps VU Scaling (replaces LM3916N)	LM3916N-1	948-6526	4.44	3.15	2.30	– –	– –
5450	MICR	40	DIL	34-Segment LED Display Driver (Serially Loaded)	MM5450BN	112-276	14.82	11.82	9.00	– –	– –
5450	MICR	44	PLCC	34-Segment LED Display Driver (Serially Loaded) PLCC Package	MM5450BV	SMC 112-288	14.82	11.82	9.00	– –	– –
5450	ST	40	DIL	34-Segment LED Display Driver with continuous brightness control (Serially Loaded)	M5450B7.	405-899▲	15.95	13.56	9.57	7.98	– –
5450	ST	40	DIL	34-Segment LED Display Driver with continuous brightness control (Serially Loaded)	M5450B7	109-4275	16.43	13.97	9.86	8.22	– –
5450	MICR	40	DIL	34-Segment LED Display Driver (Serially Loaded)	MM5450YN	121-3480	14.82	11.82	9.00	– –	– –
5450	MICR	44	PLCC	34-Segment LED Display Driver (Serially Loaded) PLCC Package	MM5450YV	SMC 121-3481	14.82	11.82	9.00	– –	– –
5451	MICR	40	DIL	35-Segment LED Display Driver (Serially Loaded)	MM5451BN	112-290	14.82	11.82	9.00	– –	– –
5451	MICR	44	PLCC	35-Segment LED Display Driver (Serially Loaded)	MM5451BV	SMC 112-306	14.82	11.82	9.00	– –	– –
5451	ST	40	DIL	35-Segment LED Display Driver with continuous brightness control (Serially Loaded)	M5451B7.	405-917▲‡	15.95	13.56	9.57	7.98	– –
5451	ST	40	DIL	35-Segment LED Display Driver with continuous brightness control (Serially Loaded)	M5451B7	975-5985	15.95	13.56	9.57	7.98	– –
5904	TI	100	HTQFP	LED Driver	TLC5904PZPG4	SMC 120-7284	14.47	11.07	9.17	8.18	– –
5920	TI	48	SSOP	LED Driver	TLC5920DL	SMC 845-4558	4.84	3.70	2.83	2.49	– –
5921	TI	32	HTSSOP	LED Driver	TLC5921DAPG4	SMC 120-7285	5.23	4.01	3.06	2.69	– –
7218	INTS	28	DIL	CMOS Universal 8 digit LED Driver system (C.A. Display) μP app	ICM7218AIJI	405-991▲	11.27	9.66	8.53	7.14	– –
7218	INTS	28	DIL	CMOS Universal 8-digit LED Driver system (C.C. Display) μP app	ICM7218BIJI	406-004▲	15.11	12.96	11.33	9.57	– –
7218	INTS	28	DIL	CMOS Universal 8 digit LED Driver system (C.A. Display) hardwire app	ICM7218CIJI	406-016▲	13.57	11.64	10.28	8.60	– –
7218	INTS	28	DIL	CMOS Universal 8-digit LED Driver system (C.C. Display) hardwire app	ICM7218DIJI	406-028▲	13.93	11.95	10.55	8.83	– –
7218	MAX	28	DIL	CMOS 8 digit LED Driver system (C.A. Display) μP interface	ICM7218AIPI	641-870▲	29.02	20.88	14.91	– –	– –
7219	MAX	24	DIL	8-digit, Serially Interfaced, LED Display Driver (C.C. Display), μP interface	MAX7219CNG	483-217▲‡	20.23	14.55	10.49	– –	– –
7219	MAX	24	SOIC	8-digit, Serially Interfaced, LED Display Driver (C.C. Display), μP interface	MAX7219CWG	SMC 787-668▲‡	20.23	14.55	10.49	– –	– –
7219	MAX	24	DIL	8-digit, Serially Interfaced, LED Display Driver (C.C. Display), μP interface	MAX7219CNG+	972-5245	20.23	14.55	10.49	– –	– –
7219	MAX	24	SOIC	8-digit, Serially Interfaced, LED Display Driver (C.C. Display), μP interface	MAX7219CWG+	SMC 972-6357	20.23	14.55	10.49	– –	– –
7221	MAX	24	SOIC	8-digit serially interfaced LED display driver	MAX7221CWG	SMC 490-5120▲‡	23.82	17.14	12.24	– –	– –
7221	MAX	24	SOIC	8-digit serially interfaced LED display driver	MAX7221CWG+	SMC 972-5725	23.82	17.14	12.24	– –	– –
7228	INTS	28	DIL	8-digit LED Multiplexed Display Driver	ICM7228AIPI	406-041	9.48	8.13	7.17	6.00	– –
7228	INTS	28	DIL	8-digit LED Multiplexed Display Driver	ICM7228AIPIZ	101-8168	9.76	8.37	7.39	6.18	– –
8240	ADI	8	MSOP	LED Driver/Monitor	AD8240YRMZ	SMC 107-8293	3.40	2.84	2.27	– –	– –
27953	NSC	18	Bump Micro SMD	White LED Driver with Four LED Current Sinks and 3/2x Switched Capacitor Boost	LM27953TL	SMC 100-8005	5.60	4.07	3.05	– –	– –
27961	NSC	18	Bump Micro SMD	Dual-Display White LED Driver with 3/2x Switched Capacitor Boost	LM27961TL	SMC 100-8007	7.00	5.09	3.81	– –	– –

Line Drivers & Receivers

210435/410982

	Mftr.	Pins	Pkg	Description	Propagation Delay	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Drivers - Single										
253	MAX	8	DIL	Transformer driver for isolated RS485 interface	110ns	MAX253CPA+	972-5393	6.01	4.60	3.28
2480	MAX	8	SOIC	Serail 1-wire line driver with load sensor	110ns	DS2480B+	SMC 972-5326	16.91	12.17	8.77
8131	ADI	8	SOIC	High Speed 400MHz, Differential Driver	110ns	AD8131ARZ	SMC 960-3999	5.28	4.53	3.78
Drivers - Dual										
88	FCH	14	DIL	Dual Differential Line Driver	110ns	MM88C30N	101-4052	7.43	– –	– –
488	ADI	8	DIL	CMOS Differential Bus Transceiver with reduced slew rate. Low Power (RS485/422 - IND TEMP)		ADM488ANZ	114-3179	3.76	3.13	2.50
489	ADI	14	DIL	CMOS Differential Bus Transceiver with reduced slew rate. Low Power (RS485/422 - IND TEMP)		ADM489ANZ	114-3180	4.71	3.92	3.14
6012	TI	20	HSOP	DIFF LINE Driver		THS6012CDWP	SMC 121-2367	13.92	10.65	8.82
6012	TI	20	HSOP	DIFF LINE Driver		THS6012CDWP.	SMC 845-3446	14.56	11.14	9.23
6022	TI	14	HTSSOP	DIFF LINE Driver		THS6022IPWP	SMC 121-2368	10.60	8.11	6.72
6022	TI	14	HTSSOP	DIFF LINE Driver		THS6022IPWP.	SMC 845-3462	10.62	8.13	6.21
9636	TI	8	DIL	Dual RS423 Programmable Slew Rate Line Driver	1100ns	UA9636ACPE4	121-0965	1.56	1.12	0.84
9638	NSC	8	DIL	Dual RS422 Differential Line Driver	10ns	DS9638CN	948-7816	2.86	2.00	1.42
9638	TI	8	DIL	Dual RS422 Differential Line Driver	10ns	UA9638CPE4	121-0966	1.17	0.84	0.63
75110	TI	14	DIL	Dual Line Driver - 12mA Output	9ns	SN75110AN..	406-260	1.79	1.43	1.12
75110	TI	14	DIL	Dual Line Driver - 12mA Output	9ns	SN75110AN	110-6024	1.56	1.12	0.84
Drivers - Quad										
14	NSC	14	SOIC	Quad CMOS RS232 Line Driver	6μs	DS14C88M.	SMC 406-363‡	2.98	2.08	1.48
14	NSC	14	SOIC	Quad CMOS RS232 Line Driver	6μs	DS14C88M	SMC 948-7824	2.89	2.05	1.49
14	NSC	14	DIL	Quad CMOS RS232 Line Driver	6μs	DS14C88N	948-7832	3.71	2.63	1.92
26	NSC	16	SOIC	Quad CMOS Differential RS422 Line Driver (Tri-state)	11ns	DS26C31TM	SMC 949-0060	3.11	2.17	1.55
26	NSC	16	DIL	Quad CMOS Differential RS422 Line Driver (Tri-state)	8ns	DS26C31TN	948-7840	3.66	2.59	1.89
26	NSC	16	SOIC	Quad Differential RS422 Line Driver (Tri-state)	10ns	DS26LS31CM.	SMC 406-405‡	2.97	2.08	1.48

● Compliant
● ▲ ++ Non-compliant
Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Propagation Delay	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Drivers - Quad										
26	NSC	16	SOIC	Quad Differential RS422 Line Driver (Tri-state)	10ns	DS26LS31CM	SMD 948-7859	2.97	2.08	1.48
26	NSC	16	DIL	Quad Differential RS422 Line Driver (Tri-state)	10ns	DS26LS31CN.	406-417‡	2.76	1.92	1.37
26	NSC	16	DIL	Quad Differential RS422 Line Driver (Tri-state)	10ns	DS26LS31CN	948-7867	3.50	2.48	1.81
26	TI	16	DIL	Quad Differential RS422 Line Driver (Tri-state)	14ns	AM26LS31CNE4	121-0967	1.47	1.17	0.94
26	ST	16	DIL	CMOS Quad Tri-State Differential Line Driver	11ns	ST26C31BN	109-5404	2.50	1.91	1.64
26	TI	16	SOIC	RS-422 Differential Line Driver, Quad	12ns	AM26C31CD	SMD 497-5637	1.33	1.11	1.02
34	NSC	16	SOIC	Quad CMOS Differential RS422 Line Driver (Tri-state)	8ns	DS34C87TM	SMD 948-7875	2.62	1.86	1.35
34	NSC	16	DIL	Quad CMOS Differential RS422 Line Driver (Tri-state)	8ns	DS34C87TN	948-7883	3.19	2.26	1.65
65	TI	16	SOIC	Quad High-speed Differential Driver	1.7ns	SN65LVDS31D	SMD 110-2952	5.54	4.24	3.24
75	TI	16	DIL	Quad Differential RS422 Line Driver (Tri-state)	6ns	SN75ALS192N	406-442	5.30	4.05	2.99
75	TI	16	DIL	Quad Differential RS422 Line Driver (Tri-state)	6ns	SN75ALS192NE4	121-4404	1.56	1.12	0.84
75	TI	16	SOIC	Quadruple Differential Line Driver	10ns	SN75ALS194D	SMD 959-3047	2.46	1.96	1.54
75	TI	14	SOIC	Quadruple Low-Power Line Driver	3.5µs	SN75C188D	SMD 959-3080	1.33	0.95	0.72
75	TI	14	DIL	Quad CMOS RS232 Line Driver	3µs	SN75C188N..	406-454	1.95	1.40	1.05
75	TI	14	DIL	Quad CMOS RS232 Line Driver	3µs	SN75C188N	110-6025	1.33	0.95	0.72
90	NSC	16	TSSOP	Quad CMOS Differential Line Driver, 3V LVDS	1.7ns	DS90LV047ATMTC	SMD 977-8659	5.33	3.88	2.91
486	LT	16	DIL	Quad Low Power RS485 Driver (IND TEMP)	28ns	LTC486IN	386-2628	18.19	11.59	9.39
487	LT	16	DIL	Quad low Power RS485 Driver	28ns	LTC487CN#PBF	113-6634	12.71	8.14	6.62
1488	MAX	14	DIL	Quad CMOS RS232 Line Driver. (MC1488, DS1488)	3µs	MAX1488ECPD+	118-8031	5.57	4.01	2.89
1488	ON	14	DIL	Quad RS232 Line Driver	350ns	MC1488PG	966-4530	1.31	0.94	0.71
1488	ST	14	DIL	Quad RS232 Line Driver	275ns	MC1488P	107-7179	1.16	0.99	0.70
1489	MAX	14	DIL	Quad CMOS RS232 Line Receiver. (MC1489, DS1489)	4000ns	MAX1489ECPD+	118-8032	4.95	3.79	2.57
3487	NSC	16	SOIC	Quad Differential RS422 Line Driver (Tri-state)	10ns	DS3487M/NOPB	SMD 118-7178	1.46	1.14	1.01
3487	NSC	16	DIL	Quad Differential RS422 Line Driver (Tri-state)	10ns	DS3487N.	406-521‡	1.94	1.35	0.98
3487	TI	16	SOIC	Quadruple Differential Line Driver	20ns	MC3487D	SMD 958-9830	1.47	1.17	0.94
3487	NSC	16	DIL	Quad Differential RS422 Line Driver (Tri-state)	10ns	DS3487N	948-7891	2.93	2.07	1.51
3487	TI	16	DIL	Quad Differential RS422 Line Driver (Tri-state)	20ns	MC3487NE4	121-0969	1.47	1.17	0.94
3691	NSC	16	SOIC	Quad/Dual Differential RS422/RS423 Line Driver (Tri-state) (26LS30)	120ns	DS3691M.	SMD 571-246‡	3.11	2.20	1.61
3691	NSC	16	SOIC	Quad/Dual Differential RS422/RS423 Line Driver (Tri-state) (26LS30)	120ns	DS3691M	SMD 949-0566	3.11	2.20	1.61
3691	NSC	16	DIL	Quad/Dual Differential RS422/RS423 Line Driver (Tri-state) (26LS30)	120ns	DS3691N	948-7905	3.77	2.67	1.95
75172	TI	16	DIL	Quad Differential RS422/RS485 Line Driver (Tri-state)	45ns	SN75172N..	406-557	3.88	2.97	2.19
75172	TI	16	DIL	Quad Differential RS422/RS485 Line Driver (Tri-state)	45ns	SN75172N	110-3030	3.57	2.73	2.01
75174	TI	20	SOIC	Quad Differential RS422/RS485 Line Driver (Tri-state)	45ns	SN75174DW..	SMD 571-258	3.88	2.97	2.19
75174	TI	20	SOIC	Quad Differential RS422/RS485 Line Driver (Tri-state)	45ns	SN75174DW	SMD 110-6095	3.03	2.32	1.71
75174	TI	16	DIL	Quad Differential RS422/RS485 Line Driver (Tri-state)	45ns	SN75174N..	406-569	3.88	2.97	2.19
75174	TI	16	DIL	Quad Differential RS422/RS485 Line Driver (Tri-state)	45ns	SN75174N	110-6026	2.54	1.94	1.43
75188	TI	14	DIL	Quad RS232 Line Driver	220ns	SN75188N..	406-570	1.23	0.89	0.66
75188	TI	14	DIL	Quad RS232 Line Driver	220ns	SN75188N	110-3031	0.94	0.67	0.50
75188	TI	14	SOIC	Quad RS232 Driver	220ns	SN75188D	SMD 958-9430	0.94	0.67	0.50
96174	NSC	16	DIL	Quad Differential RS422/RS485 Line Driver (Tri-state)	45ns	DS96174CN.	704-489‡	5.33	3.87	2.90
96174	NSC	16	DIL	Quad Differential RS422/RS485 Line Driver (Tri-state)	45ns	DS96174CN	949-3905	7.21	5.24	3.93
Receivers - Dual										
9637	TI	8	SOIC	Dual Differential Line Receiver	15ns	UA9637ACD	SMD 959-3934	1.47	1.17	0.94
9637	NSC	8	DIL	Dual Differential RS422/423 Line Receiver	15ns	DS9637ACN	948-7913	2.90	2.03	1.44
9637	TI	8	DIL	Dual Differential RS422/423 Line Receiver	15ns	UA9637ACPE4	121-0971	1.47	1.17	0.94
75107	TI	14	DIL	Dual Line Receiver	17ns	SN75107AN..	406-685	3.12	2.39	1.76
75107	TI	14	DIL	Dual Line Receiver	17ns	SN75107AN	110-3032	2.44	1.87	1.38
75107	TI	14	SOIC	Dual Line Receiver	25ns	SN75107BD	SMD 959-2938	1.56	1.12	0.84
75182	TI	14	DIL	Dual Differential Line Receiver	18ns	SN75182N..	406-740	3.60	2.76	2.03
75182	TI	14	DIL	Dual Differential Line Receiver	18ns	SN75182N	110-3033	2.44	1.87	1.38
Receivers - Quad										
14	NSC	14	SOIC	Quad CMOS RS232 Line Receiver	6500ns	DS14C89AM.	SMD 406-752‡	2.98	2.08	1.48
14	NSC	14	SOIC	Quad CMOS RS232 Line Receiver	6500ns	DS14C89AM	SMD 948-7921	2.89	2.05	1.49
14	NSC	14	DIL	Quad CMOS RS232 Line Receiver	6500ns	DS14C89AN	948-7930	3.33	2.36	1.72
26	NSC	16	SOIC	Quad CMOS Differential RS422/RS423 line Receiver (Tri-state)	30ns	DS26C32ATM	SMD 949-0051	2.98	2.11	1.54
26	NSC	16	DIL	Quad CMOS Differential RS422/RS423 Line Receiver (Tri-state)	20ns	DS26C32ATN.	406-776‡	4.23	3.00	2.19
26	NSC	16	DIL	Quad CMOS Differential RS422/RS423 Line Receiver (Tri-state)	20ns	DS26C32ATN	948-7948	4.23	3.00	2.19
26	TI	16	SOIC	Quad Differential RS422/RS423 Line Receiver (Tri-state)	17ns	AM26LS32ACD..	SMD 416-3620	1.40	1.12	0.89
26	TI	16	SOIC	Quad Differential RS422/RS423 Line Receiver (Tri-state)	17ns	AM26LS32ACD	SMD 110-3045	1.47	1.17	0.94
26	TI	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	17ns	AM26LS32ACN..	416-3631	1.79	1.43	1.12
26	TI	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	17ns	AM26LS32ACN	110-3046	1.47	1.17	0.94
26	NSC	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	23ns	DS26LS32ACN.	406-788‡	1.79	1.25	0.91
26	NSC	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	23ns	DS26LS32ACN	948-7956	3.45	2.44	1.78
26	NSC	16	SOIC	Quad Differential RS422/RS423 Line Receiver (Tri-state)	17ns	DS26LS32CM.	SMD 406-790‡	1.79	1.25	0.91
26	NSC	16	SOIC	Quad Differential RS422/RS423 Line Receiver (Tri-state)	17ns	DS26LS32CM	SMD 948-7964	2.66	1.86	1.32
26	NSC	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	17ns	DS26LS32CN.	406-806‡	1.79	1.25	0.91
26	NSC	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	17ns	DS26LS32CN	948-7972	3.24	2.30	1.68
26	TI	16	SOIC	RS-422 Differential Line Receiver, Quad	27ns	AM26C32CD	SMD 496-4391	1.33	1.11	1.02
26	TI	16	SOIC	RS-422 Differential Line Receiver, Quad	35ns	AM26LS33ACD	SMD 442-5406	1.69	1.43	1.21
34	NSC	16	SOIC	Quad CMOS Differential RS422/RS423 Line Receiver (Tri-state)	20ns	DS34C86TM.	SMD 406-831‡	2.83	1.98	1.41
34	NSC	16	SOIC	Quad CMOS Differential RS422/RS423 Line Receiver (Tri-state)	20ns	DS34C86TM	SMD 948-7980	2.98	2.11	1.54
34	NSC	16	DIL	Quad CMOS Differential RS422/RS423 Line Receiver (Tri-state)	20ns	DS34C86TN	948-7999	3.55	2.52	1.84

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Propagation Delay	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Receivers - Quad										
65	TI	16	SOIC	Quad High-speed Differential Line Receiver	3ns	SN65LVDS32D	SMD 110-2954 ●	5.54	4.24	3.24
65	TI	16	SOIC	DIFF LINE RCVR Quad RS-485	16ns	SN65LBC173AD	SMD 845-2245 ●	5.54	4.24	3.24
75	TI	14	SOIC	Quadruple Low-Power Line Receiver	6µs	SN75C189AD	SMD 959-3098 ●	1.33	0.95	0.72
75	TI	14	DIL	Quad CMOS RS232 Line Receiver	6000ns	SN75C189AN	406-880	1.33	0.95	0.72
75	TI	14	DIL	Quad CMOS RS232 Line Receiver	6000ns	SN75C189ANE4	121-4405 ●	1.33	0.95	0.72
90	NSC	16	TSSOP	Quad CMOS Differential Line Receiver, 3V LVDS	2.7ns	DS90LV048ATMTC	SMD 977-8667 ●	5.33	3.88	2.91
1489	ST	14	DIL	Quad RS232 Line Receiver	25ns	MC1489AP	975-5993 ●	1.16	0.89	0.78
1489	ST	14	DIL	Quad RS232 Line Receiver	25ns	MC1489P	975-6000 ●	1.16	0.89	0.78
1489	ON	14	DIL	Quad RS232 Line Receiver	25ns	MC1489APG	121-1143 ●	1.14	0.78	0.75
1489	ON	14	DIL	Quad RS232 Line Receiver	25ns	MC1489PG	121-1144 ●	1.14	0.78	0.75
1489	ST	14	DIL	Quad RS232 Line Receiver	25ns	MC1489P.	406-960 ▲‡	1.16	0.89	0.78
3095	MAX	16	DIL	Quad, CMOS RS-485/RS-422 Line Receiver with ±15kVESD protected	98ns	MAX3095CPE+	972-3919 ●	6.99	5.35	3.63
3223	MAX	20	DIL	Low Power, RS232 Transceiver with auto-shut-down. 2 Drivers/2 Receivers.		MAX3223CPP+	118-8043 ●	8.92	6.83	4.87
3486	NSC	16	SOIC	Quad Differential RS422/RS423 Line Receiver (Tri-state)	19ns	DS3486M.	SMD 571-222‡	2.48	1.73	1.24
3486	NSC	16	SOIC	Quad Differential RS422/RS423 Line Receiver (Tri-state)	19ns	DS3486M	SMD 949-0558 ●	2.48	1.73	1.24
3486	NSC	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	19ns	DS3486N.	406-971‡	2.61	1.82	1.30
3486	NSC	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	19ns	DS3486N	948-8006 ●	2.88	2.04	1.48
3486	TI	16	DIL	Quad Differential RS422/RS423 Line Receiver (Tri-state)	28ns	MC3486NE4	121-0972 ●	1.47	1.17	0.94
75173	TI	16	DIL	Quad Differential RS485/RS422/RS423 Line Receiver (Tri-state)	20ns	SN75173N..	407-021	3.44	2.63	1.94
75173	TI	16	DIL	Quad Differential RS485/RS422/RS423 Line Receiver (Tri-state)	20ns	SN75173N	110-6027 ●	3.57	2.73	2.01
75175	TI	16	SOIC	Quad Differential RS485/RS422/RS423 Line Receiver (Tri-state)	22ns	SN75175D..	SMD 571-260	2.54	1.95	1.44
75175	TI	16	SOIC	Quad Differential RS485/RS422/RS423 Line Receiver (Tri-state)	22ns	SN75175D	SMD 110-3177 ●	2.54	1.94	1.43
75175	TI	16	DIL	Quad Differential RS485/RS422/RS423 Line Receiver (Tri-state)	22ns	SN75175N..	407-033	3.16	2.42	1.78
75175	TI	16	DIL	Quad Differential RS485/RS422/RS423 Line Receiver (Tri-state)	22ns	SN75175N	110-6029 ●	2.54	1.94	1.43
75189	TI	14	SOIC	Quad RS232 Line Receiver	25ns	SN75189AD..	SMD 594-805	0.94	0.75	0.56
75189	TI	14	SOIC	Quad RS232 Line Receiver	25ns	SN75189AD	SMD 110-3185 ●	0.94	0.67	0.50
75189	TI	14	DIL	Quadruple Line Receiver	25ns	SN75189ANG4	959-2970 ●	1.70	1.22	0.92
75189	TI	14	SOIC	Quadruple Line Receiver	25ns	SN75189D	SMD 959-2989 ●	0.94	0.67	0.50
75189	TI	14	DIL	Quad RS232 Line Receiver	25ns	SN75189N..	407-057	0.94	0.72	0.54
75189	TI	14	DIL	Quad RS232 Line Receiver	25ns	SN75189N	110-3034 ●	0.94	0.67	0.50
96175	NSC	16	DIL	Quad Differential RS485/RS422/RS423 Line Receiver (Tri-State).	22ns	DS96175CN	121-5197 ●	8.56	6.22	4.66
Transmitters/Receivers										
14	NSC	16	SOIC	Dual, Low Power Driver/Receiver with DC/DC converter - requires only +5V supply.		DS14C232CM	SMD 949-0124 ●	5.49	3.99	2.99
14	NSC	16	DIL	Dual, Low Power Driver/Receiver with DC/DC converter - requires +5V supply only.		DS14C232CN	949-0116 ●	5.97	4.34	3.25
14	NSC	16	SOIC	Low Power +5V Powered TIA/EIA-232 Dual Driver/Receiver		DS14C232TM	SMD 440-3939 ●	3.71	3.09	2.65
36	NSC	8	SOIC	CMOS Differential Bus Transceiver (RS485) (IND TEMP)		DS36C278TM.	SMD 705-433‡	4.76	3.37	2.46
36	NSC	8	SOIC	CMOS Differential Bus Transceiver (RS485) (IND TEMP)		DS36C278TM	SMD 949-4022 ●	4.76	3.37	2.46
36	NSC	8	DIL	CMOS Low Power Multipoint Bus Transceiver (RS485) (IND TEMP)		DS36C278TN	949-4006 ●	4.97	3.52	2.57
36	NSC	8	SOIC	CMOS Low Power, Differential Bus Transceiver with sleep mode (RS485) (IND TEMP).		DS36C279TM	SMD 949-4014 ●	5.44	4.11	3.08
36	NSC	8	SOIC	CMOS Low Power, Differential Bus Transceiver with Slew Rate Control (RS485) (IND TEMP).		DS36C280TM	SMD 121-5198 ●	5.49	4.11	3.08
65	TI	8	SOIC	Differential Bus Transceiver		SN65ALS176D	SMD 958-9996 ●	3.42	2.62	1.93
65	TI	8	SOIC	Differential Bus Transceiver		SN65ALS1176D	SMD 958-9988 ●	7.70	5.89	4.50
65	TI	16	TSSOP	3-V To 5.5-V Multichannel RS-232 Line Driver/Receiver		SN65C3221PW	SMD 959-0005 ●	5.81	4.44	3.39
65	TI	16	SOIC	3-V To 5.5-V Multichannel RS-232 Compatible Line Driver/Receiver		SN65C3232D	SMD 959-0013 ●	7.39	5.65	4.32
65	TI	28	TSSOP	3-V To 5.5-V Multichannel RS-232 Line Driver/Receiver		SN65C3238PWG4	SMD 959-0021 ●	15.55	11.90	9.85
65	TI	28	SOIC	3-V To 5.5-V Multichannel RS-232 Line Driver/Receiver		SN65C3243DW	SMD 959-0030 ●	8.45	6.46	4.94
65	TI	28	TSSOP	3-V To 5.5-V Multichannel RS-232 Line Driver/Receiver		SN65C3243PWG4	SMD 959-0048 ●	16.59	12.69	10.51
65	TI	8	SOIC	3.3V RS-485 Differential Transceiver (10Mbps signalling rate, IND TEMP)		SN65HVD11D	SMD 110-0955 ●	7.52	5.76	4.40
65	TI	8	SOIC	3.3V RS-485 Differential Transceiver (1Mbps signalling rate, IND TEMP)		SN65HVD12D	SMD 110-0957 ●	7.30	5.59	4.27
65	TI	8	SOIC	3.3V CAN Transceiver with standby mode (IND TEMP)		SN65HVD230D	SMD 110-3105 ●	5.94	4.54	3.47
65	TI	8	SOIC	3.3V CAN Transceiver with sleep mode (IND TEMP)		SN65HVD231D	SMD 110-6059 ●	5.94	4.54	3.47
65	TI	8	SOIC	3.3V CAN Transceiver (IND TEMP)		SN65HVD232D	SMD 110-3107 ●	5.72	4.38	3.34
65	TI	8	SOIC	CMOS Differential Bus Transceiver (RS-485/RS-422). (IND TEMP)		SN65LBC176D..	SMD 305-4019	3.69	2.83	2.08
65	TI	8	SOIC	CMOS Differential Bus Transceiver (RS-485/RS-422). (IND TEMP)		SN65LBC176D	SMD 121-2853 ●	3.71	2.84	2.09
65	TI	8	DIL	CMOS Differential Bus Transceiver (RS-485/RS-422). (IND TEMP)		SN65LBC176P	121-2854 ●	3.71	2.84	2.09
65	TI	8	SOIC	High speed low power differential and receiver pair		SN65LBC179AD	SMD 110-2962 ●	4.50	3.44	2.53
65	TI	14	SOIC	High speed low power differential and receiver pair.		SN65LBC180AD	SMD 110-5914 ●	4.97	3.80	2.90
65	TI	8	SOIC	CMOS Differential Bus Transceiver with transient voltage suppression.(IND TEMP)		SN65LBC184D..	SMD 305-4433	5.98	4.58	3.50
65	TI	8	SOIC	CMOS Differential Bus Transceiver with transient voltage suppression.(IND TEMP)		SN65LBC184D	SMD 110-2927 ●	5.72	4.38	3.34
65	TI	8	DIL	CMOS Differential Bus Transceiver with transient voltage suppression.(IND TEMP)		SN65LBC184P	110-2931 ●	5.72	4.38	3.34
65	TI	8	SOIC	Low Voltage, High-speed Differential Line Transceiver		SN65LVDM176D	SMD 110-5912 ●	6.29	4.81	3.68
65	TI	8	PDIP	Transceiver, RS-485, High Output		SN65HVD05P	845-2032 ●	6.69	5.12	3.91
65	TI	8	SOIC	Transceiver, RS-485, High Output		SN65HVD06D	SMD 121-2358 ●	6.47	4.95	3.78
65	TI	8	SOIC	Transceiver, RS-485, High Output		SN65HVD06D.	SMD 845-2040	5.51	4.21	3.22
65	TI	8	PDIP	Transceiver, RS-485, High Output		SN65HVD06P	845-2059 ●	6.47	4.95	3.78
65	TI	8	SOIC	Transceiver, RS-485, High Output		SN65HVD07D	SMD 121-2359 ●	6.29	4.81	3.68
65	TI	8	SOIC	Transceiver, RS-485, High Output		SN65HVD07D.	SMD 845-2067	5.90	4.52	3.45
65	TI	8	SOIC	Transceiver, RS-485, Wide Supply Range		SN65HVD08D	SMD 121-2360 ●	8.36	6.40	4.88
65	TI	8	SOIC	Transceiver, RS-485, Wide Supply Range		SN65HVD08D.	SMD 845-2075	8.11	6.21	4.74
65	TI	8	PDIP	Transceiver, RS-485, Wide Supply Range		SN65HVD08P	845-2083 ●	8.36	6.40	4.88
65	TI	8	SOIC	Transceiver, RS-485, 3.3V Differential		SN65HVD10DG4	SMD 120-7267 ●	7.74	5.92	4.52
65	TI	8	SOIC	Transceiver, RS-485, Profibus.		SN65HVD1176D	SMD 845-2113 ●	6.47	4.95	3.78
65	TI	8	SOIC	Transceiver, RS-485, 5.0V		SN65HVD20D	SMD 121-2361 ●	7.26	5.55	4.24
65	TI	8	SOIC	Transceiver, RS-485, 5.0V		SN65HVD22D	SMD 121-2362 ●	7.26	5.55	4.24
65	TI	8	PDIP	Transceiver, RS-485 w/Receiver Equalization		SN65HVD23P	845-2199 ●	7.92	6.06	4.63
65	TI	8	SOIC	Transceiver, RS-485, Low Power		SN65HVD3082ED	SMD 845-2210 ●	4.20	3.22	2.37
65	TI	8	PDIP	Transceiver, RS-485, Low Power		SN65HVD3082EP	845-2229 ●	4.20	3.22	2.37
65	TI	8	SOIC	Transceiver, Differential		SN65LBC179D	SMD 845-2261	3.47	2.66	1.96
65	TI	14	PDIP	Transceiver, Differential		SN65LBC180AN	845-2270 ●	4.97	3.80	2.90
75	NSC	8	SOIC	Differential Bus Transceiver		LMS75ALS176AM.	SMD 580-1126‡	3.47	2.45	1.79
75	TI	8	SOIC	Differential Bus Transceiver		SN75ALS176BD	SMD 959-3012 ●	3.42	2.62	1.93
75	TI	8	SOIC	Differential Bus Transceiver		SN75ALS176D	SMD 959-3020 ●	3.03	2.32	1.71

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Propagation Delay	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Transmitters/Receivers										
75	TI	14	SOIC	Differential Driver And Receiver Pair		SN75ALS180D	SMD 959-3039 ●	4.01	3.07	2.26
75	TI	16	SOIC	Triple Low-Power Drivers/Receiver		SN75C1406D	SMD 959-3055 ●	2.82	2.24	1.76
75	TI	16	SOIC	Triple Low-Power Drivers/Receiver		SN75C1406DW	SMD 959-3063 ●	2.82	2.24	1.76
75	TI	16	DIL	Triple Low-Power Drivers/Receiver		SN75C1406NG4	959-3071 ●	2.81	2.24	1.76
75	TI	20	SOIC	3V to 5.5V Multichannel RS-232 Compatible Line Driver/Receiver		SN75C3222DW	SMD 959-3101 ●	6.86	5.25	4.01
75	TI	20	TSSOP	3V to 5V Multichannel RS-232 Compatible Line Driver/Receiver		SN75C3223PW	SMD 959-3110 ●	5.81	4.44	3.39
75	TI	16	TSSOP	3V to 5.5V Multichannel RS-232 Compatible Line Driver/Receiver		SN75C3232PW	SMD 959-3128 ●	6.82	5.22	3.98
75	TI	28	SOIC	3V to 5.5V Multichannel RS-232 Line Driver/Receiver		SN75C3238DW	SMD 959-3136 ●	6.86	5.25	4.01
75	TI	28	SOIC	3V to 5.5V Multichannel RS-232 Line Driver/Receiver		SN75C3243DW	SMD 959-3144 ●	6.33	4.85	3.70
75	TI	8	SOIC	High-speed, Low Voltage, LinBiCMOS, Differential Bus Transceiver		SN75LBC176D	SMD 334-9615	3.47	2.66	1.96
75	NSC	8	SOIC	Differential Bus Transceiver		LMS75LBC176M.	SMD 580-1138‡	3.47	2.45	1.79
75	NSC	8	SOIC	Differential Bus Transceiver		LMS75LBC176M	SMD 949-0760 ●	3.47	2.45	1.79
75	TI	8	SOIC	Differential Data Line Transceiver with ±15kV ESD protection, 0 to +70°Ctemp. Range		SN75LBC184D	SMD 110-2955 ●	5.28	4.04	3.08
75	TI	8	DIL	Differential Data Line Transceiver with ±15kV ESD protection, 0 to +70°Ctemp. Range		SN75LBC184P..	334-9640	5.12	3.91	2.99
75	TI	8	DIL	Differential Data Line Transceiver with ±15kV ESD protection, 0 to +70°Ctemp. Range		SN75LBC184P	110-2956 ●	5.28	4.04	3.08
75	TI	8	DIL	High Performance Differential Bus Transceiver (RS485/RS422)		SN75ALS176P	110-3021 ●	3.03	2.32	1.71
75	TI	8	DIL	Differential Bus Transceiver (Low Power 75176)		SN75LBC176P	121-2852 ●	3.47	2.66	1.96
75	ST	8	DIL	Low Power RS-485/RS-422 Transceiver		ST75C176CN	107-7209 ●	1.86	1.24	1.07
75	TI	8	SOIC	Transceiver, RS-485		SN75HVD1176D	SMD 845-2695 ●	5.85	4.48	3.42
75	TI	8	SOIC	DIFF Transceiver		SN75LBC176AD	SMD 845-2709 ●	4.50	3.44	2.53
202	ADI	16	DIL	CMOS Dual RS232 Transmitter/Receiver, ±15kV ESD Protected (IND TEMP)		ADM202EANZ	960-5495 ●	3.33	2.97	2.76
202	ADI	16	DIL	CMOS Dual RS232 Transmitter/Receiver		ADM202JNZ	960-5312 ●	4.26	3.39	2.85
202	ADI	16	SOIC	Dual RS232 Transceiver, 2 Drivers/2 Receivers		ADM202JRNZ	SMD 942-6248 ●	4.26	3.39	2.85
202	INTS	16	SOIC	CMOS RS232 Transmitter/Receiver. 2 Drivers/2 Receivers		HIN202CB	SMD 302-5445▲‡	1.80	1.66	1.53
202	INTS	16	SOIC	CMOS RS232 Transmitter/Receiver. 2 Drivers/2 Receivers		HIN202CBZ	SMD 966-3444 ●	1.80	1.66	1.53
202	INTS	16	SOIC	CMOS RS232 Transmitter/Receiver, 2 Drivers/2 Receivers, +5V supply		HIN202CBNZ	SMD 966-3886 ●	1.80	1.66	1.53
202	INTS	16	DIL	CMOS RS232 Transmitter/Receiver, 2 Drivers/2 Receivers, +5V supply		HIN202CPZ	120-1541 ●	1.85	1.71	1.58
202	INTS	16	SOIC	CMOS RS232 Transmitter/Receiver. 2 Drivers/2 Receivers, with 15kV ESD protected		HIN202ECBZ	SMD 966-3452 ●	1.80	1.66	1.53
202	INTS	16	SOIC	CMOS RS232 Transmitter/Receiver, 2 Drivers/2 Receivers, +5V supply, ±15kV ESD protected		HIN202ECBNZ	SMD 966-3894 ●	1.80	1.66	1.53
202	INTS	16	DIL	CMOS RS232 Transmitter/Receiver, 2 Drivers/2 Receivers, +5V supply, ±15kV ESD protected		HIN202ECP	412-6658‡	2.27	2.10	1.93
202	INTS	16	DIL	CMOS RS232 Transmitter/Receiver, 2 Drivers/2 Receivers, +5V supply, ±15kV ESD protected		HIN202ECPZ	101-8174 ●	2.34	2.16	1.99
202	NSC	16	SOIC	5V Single Supply TIA/EIA-232 Dual Transceiver		LMS202CM.	SMD 580-1140‡	3.11	2.20	1.61
202	NSC	16	SOIC	5V Single Supply TIA/EIA-232 Dual Transceiver		LMS202CM	SMD 949-0779 ●	5.10	3.71	2.78
202	NSC	16	WSOIC	5V Single Supply TIA/EIA-232 Dual Transceiver		LMS202CMW.	SMD 580-1175‡	3.06	2.17	1.58
202	NSC	16	SOIC	15KV ESD Rated, 5V Single Supply TIA/EIA-232 Dual Transceiver		LMS202ECM.	SMD 580-1151‡	6.24	4.54	3.40
202	NSC	16	SOIC	15KV ESD Rated, 5V Single Supply TIA/EIA-232 Dual Transceiver		LMS202EIM.	SMD 580-1163‡	6.24	4.54	3.40
202	NSC	16	SOIC	15KV ESD Rated, 5V Single Supply TIA/EIA-232 Dual Transceiver		LMS202EIM	SMD 949-0795 ●	6.24	4.54	3.40
202	MAX	16	DIL	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade)		MAX202CPE+	972-3803 ●	7.05	5.40	3.85
202	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade)		MAX202CSE+	SMD 972-5989 ●	7.29	5.58	3.98
202	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade)		MAX202CWE+	SMD 972-4486 ●	7.05	5.40	3.85
202	MAX	16	DIL	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade), ±15KV ESD Protection		MAX202ECPE+	972-6039 ●	8.92	6.83	4.87
202	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade), ±15KV ESD Protection		MAX202ECSE+	SMD 972-6047 ●	8.92	6.83	4.87
202	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade),±15KV ESD Protection		MAX202ECWE+	SMD 972-4419 ●	9.22	7.21	5.15
202	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade/IND TEMP) ,±15KV ESD Protection		MAX202EESE	SMD 304-9978▲‡	5.56	4.25	3.03
202	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade/IND TEMP) ,±15KV ESD Protection		MAX202EESE+	SMD 972-4338 ●	11.51	8.81	6.29
202	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade/IND TEMP)		MAX202ESE	SMD 305-0087▲‡	4.98	3.81	2.72
202	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (MAX232 upgrade/IND TEMP)		MAX202ESE+	SMD 972-4443 ●	8.49	6.49	4.63
202	ST	16	DIL	5V Powered Multichannel RS-232 Driver/Receiver		ST202CN	107-7186 ●	2.86	2.19	1.88
202	ST	16	DIL	5V RS-232 Transceiver, 15kV ESD Protection		ST202EBN	107-7187 ●	4.46	3.42	2.93
202	ST	16	DIL	5V RS-232 Transceiver, 15kV ESD Protection		ST202ECN	107-7188 ●	3.48	2.90	2.44
203	MAX	20	SOIC	CMOS Dual RS232 TRansciever with no external use of capacitors (IND TEMP)		MAX203ECWP	SMD 353-4042▲	17.36	13.28	9.48
203	MAX	20	SOIC	CMOS Dual RS232 TRansciever with no external use of capacitors (IND TEMP)		MAX203ECWP+	SMD 122-4204 ●	17.91	13.70	9.78
204	MAX	16	SOIC	CMOS RS232 with 4 drivers		MAX204CWE+	SMD 972-4893 ●	14.61	10.51	7.57
205	MAX	24	DIL	CMOS RS232 Five Transmitter/Receivers with shutdown		MAX205CPG	271-342▲	34.93	26.00	18.89
207	ADI	24	DIL	CMOS RS232 Transmitter/Receiver. 5 Drivers/3 Receivers, ±15kV ESD Protected (IND TEMP)		ADM207EANZ	960-5509 ●	4.80	4.44	4.26
207	INTS	16	SOIC	CMOS RS232 Transmitter/Receiver. 5 Drivers/3 Receivers, with 15kV ESD protected		HIN207ECB	SMD 302-5470▲‡	4.68	4.32	3.98
207	INTS	16	SOIC	CMOS RS232 Transmitter/Receiver. 5 Drivers/3 Receivers, with 15kV ESD protected		HIN207ECBZ	SMD 966-3460 ●	4.68	4.32	3.98
208	ADI	24	DIL	CMOS RS232 Transmitter/Receive, ±15kV ESD Protected (IND TEMP)		ADM208EANZ	960-5517 ●	4.80	4.44	4.26
208	INTS	24	SOIC	CMOS RS232, 4 Drivers/4 Receivers, 5V supply, ±15kV ESD protected		HIN208ECBZ	SMD 966-3908 ●	4.82	4.45	4.09
208	MAX	24	SOIC	CMOS RS232 with 4 drivers, 4 recievers		MAX208CWG	SMD 355-7649▲‡	15.74	12.04	8.59
208	MAX	24	SOIC	CMOS RS232 with 4 drivers, 4 recievers		MAX208CWG+	SMD 972-5105 ●	16.09	12.31	8.78
211	ADI	28	SOIC	CMOS RS232 Transmitter/Receiver. 4 Drivers/5 Receivers, ±15kV ESD Protected (IND TEMP)		ADM211EARZ	SMD 107-9415 ●	4.80	4.44	4.26
211	ADI	28	SSOP	IC SM Line Drivers/ Receivers RS-232		ADM211EARSZ	SMD 942-6256 ●	4.80	4.44	4.26
211	INTS	28	SOIC	CMOS RS232 Transmitter/Receiver. 4 Drivers/5 Receivers, with powershut-down mode		HIN211CBZ	SMD 966-3428 ●	3.07	2.83	2.61
211	INTS	28	SOIC	CMOS RS232 Transmitter/Receiver. 4 Drivers/5 Receivers, with powershut-down mode and 15kV ESD protected		HIN211ECB	SMD 302-5433▲‡	6.10	5.63	5.18
211	INTS	28	SOIC	CMOS RS232 Transmitter/Receiver. 4 Drivers/5 Receivers, with powershut-down mode and 15kV ESD protected		HIN211ECBZ	SMD 966-3436 ●	6.10	5.63	5.18
211	MAX	28	SSOP	CMOS RS232 with 4 Drivers, 5 Recievers, Low Power shutdown (SSOP)		MAX211ECAI	SMD 353-4080▲‡	21.15	16.19	11.44
211	MAX	28	SSOP	CMOS RS232 with 4 Drivers, 5 Recievers, Low Power shutdown (SSOP)		MAX211ECAI+	SMD 972-4907 ●	19.56	14.97	10.68
213	ADI	28	SOIC	CMOS RS232 Transmitter/Receiver. 4 Drivers/3 Receivers, ±15kV ESD Protected (IND TEMP)		ADM213EARZ	SMD 960-5525 ●	4.80	4.44	4.26
220	MAX	16	DIL	Low Power CMOS Dual RS232 Transmitter/Receiver		MAX220CPE+	118-7947 ●	11.68	9.30	6.63
222	MAX	18	DIL	CMOS Dual RS232 Transmitter/Receiver with shutdown		MAX222CPN+	118-7926 ●	10.78	8.25	5.88
222	MAX	18	SOIC	CMOS Dual RS232 Tranceiver with shutdown		MAX222CWN	SMD 353-4091▲‡	10.40	7.96	5.68
222	MAX	18	SOIC	CMOS Dual RS232 Tranceiver with shutdown		MAX222CWN+	SMD 972-4915 ●	10.41	7.97	5.69
231	MAX	14	DIL	CMOS RS232 Transmitter/Receiver operates from +5V and +12V.Contains a +12V to -12V charge pump voltage converter		MAX231CPD	407-100▲‡	5.92	4.53	3.23
231	MAX	14	DIL	CMOS RS232 Transmitter/Receiver operates from +5V and +12V.Contains a +12V to -12V charge pump voltage converter		MAX231CPD+	972-5164 ●	7.05	5.40	3.85
232	ADI	16	DIL	CMOS Dual RS232 Transmitter/Receiver (AD232JN upgrade)		ADM232LJNZ	960-5339 ●	4.26	3.39	2.85
232	ADI	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (AD232JR upgrade)		ADM232LJRZ	SMD 942-6388 ●	4.26	3.39	2.85

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Propagation Delay	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Transmitters/Receivers										
232	INTS	16	DIL	CMOS RS232, 2 Drivers/2 Receivers, 5V supply		HIN232ACPZ	120-1543●	1.95	1.80	1.65
232	INTS	16	SOIC	CMOS Dual RS232 Transmitter/Receiver		HIN232CB	SMD 525-911▲‡	1.61	1.48	1.37
232	INTS	16	SOIC	CMOS Dual RS232 Transmitter/Receiver		HIN232CBZ	SMD 966-4068●	1.61	1.48	1.37
232	INTS	16	DIL	CMOS Dual RS232 Transmitter/Receiver		HIN232CPZ	966-4041●	1.61	1.48	1.37
232	INTS	16	SOIC	CMOS Dual RS232 Transmitter/Receiver		HIN232ECBZ	SMD 966-3479●	2.32	2.14	1.97
232	INTS	16	DIL	CMOS RS232, 2 Drivers/2 Receivers, 5V supply, ±15kV ESD protected		HIN232ECPZ	966-3916●	2.32	2.14	1.97
232	INTS	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		HIN232IBZ	SMD 966-4165●	2.27	2.10	1.93
232	INTS	16	DIL	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		HIN232IPZ	966-4157●	2.60	2.40	2.21
232	INTS	16	SOIC	CMOS Dual RS232 Transmitter/Receiver		ICL232CBE	SMD 407-136▲	2.89	2.66	2.45
232	INTS	16	DIL	CMOS Dual RS232 Transmitter/Receiver		ICL232CPE	407-148▲	2.89	2.66	2.45
232	MAX	16	DIL	Enhanced CMOS Dual RS232 Transmitter/Receiver		MAX232ACPE+	972-3773●	11.73	8.98	6.41
232	MAX	16	SOIC	Enhanced CMOS Dual RS232 Transmitter/Receiver		MAX232ACSE+	SMD 972-4362●	11.73	8.98	6.41
232	MAX	16	SOIC	Enhanced CMOS Dual RS232 Transmitter/Receiver		MAX232ACWE+	SMD 972-4370●	10.41	7.97	5.69
232	MAX	16	DIL	Enhanced CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232AEPE	305-0026▲‡	6.07	4.64	3.31
232	MAX	16	DIL	Enhanced CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232AEPE+	972-4389●	14.05	10.75	7.67
232	MAX	16	SOIC	Enhanced CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232AESE+	SMD 972-4397●	14.05	10.75	7.67
232	MAX	16	SOIC	Enhanced CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232AEWE	SMD 305-0040▲‡	6.07	4.64	3.31
232	MAX	16	SOIC	Enhanced CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232AEWE+	SMD 972-4400●	12.45	9.53	6.80
232	MAX	16	DIL	CMOS Dual RS232 Transmitter/Receiver		MAX232CPE+	972-5172●	7.05	5.40	3.85
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver		MAX232CSE+	SMD 972-6055●	7.05	5.40	3.85
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver		MAX232CWE	SMD 571-593▲‡	3.97	3.04	2.17
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver		MAX232CWE+	SMD 972-5962●	7.05	5.40	3.85
232	TI	16	SOIC	Dual EIA-232 Driver/Receiver		MAX232DG4	SMD 958-9775●	3.42	2.67	1.97
232	TI	16	SOIC	Dual EIA-232 Driver/Receiver		MAX232DW	SMD 958-9783●	1.76	1.40	1.10
232	MAX	16	DIL	CMOS Dual RS232 Transmitter/Receiver		MAX232ECPE+	972-4427●	8.92	6.83	4.87
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver, ±15KV ESD Protection		MAX232ECSE+	SMD 972-6063●	8.92	6.83	4.87
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver		MAX232ECWE+	SMD 972-4435●	8.92	6.83	4.87
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232EESE	SMD 304-9980▲‡	5.56	4.25	3.03
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232EESE+	SMD 972-4346●	11.51	8.81	6.29
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232EEWE+	SMD 972-4354●	11.51	8.81	6.29
232	MAX	16	DIL	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232EPE+	972-4451●	8.49	6.49	4.63
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232ESE+	SMD 972-4460●	8.49	6.49	4.63
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232EWE	SMD 305-0142▲‡	4.93	3.77	2.69
232	MAX	16	SOIC	CMOS Dual RS232 Transmitter/Receiver (IND TEMP)		MAX232EWE+	SMD 972-4478●	8.49	6.49	4.63
232	TI	16	SOIC	Dual EIA-232 Driver/Receiver		MAX232ID	SMD 958-9791●	1.88	1.50	1.18
232	TI	16	DIL	Dual EIA-232 Driver/Receiver		MAX232NG4	958-9805●	1.64	1.30	1.04
232	CD	24	DIL	Isolated EIA232D Dual Transmitter/Receiver		NM232DDC	120-2164●	68.74	61.73	57.42
232	ST	16	SOIC	CMOS RS232 2 Drivers/2 Receivers		ST232CD	SMD 109-4323●	2.64	2.02	1.74
232	ST	16	DIL	5V Powered Multichannel RS-232 Driver/Receiver		ST232CN	107-7192●	2.50	1.92	1.65
232	ST	16	SOIC	CMOS RS232, 2 Drivers/2 Recievers (SOIC)		ST232CW.	SMD 353-0036▲	3.10	2.37	2.04
232	ST	16	SOIC	CMOS RS232, 2 Drivers/2 Recievers (SOIC)		ST232CW	SMD 109-4325●	3.10	2.37	2.04
232	ST	16	DIL	5V Powered, Very High-Speed, Ultra Low Power Consumption RS-232 Driver/Receiver		ST232ABN	107-7189●	3.98	3.05	2.62
232	ST	16	DIL	5V Powered, Very High-Speed, Ultra Low Power Consumption RS-232 Driver/Receiver		ST232ACN	107-7190●	3.71	2.84	2.44
232	ST	16	DIL	5V Powered Multichannel RS-232 Driver/Receiver		ST232BN	107-7191●	2.70	2.06	1.77
232	ST	16	SOP	± 15KV ESD Protected 5V RS-232 Transceiver		ST232EBD	SMD 108-7208●	4.18	3.20	2.75
232	ST	16	DIL	5V RS-232 Transceiver, 15kV ESD Protection		ST232EBN	107-7194●	3.58	3.06	2.34
232	ST	16	DIL	5V RS-232 Transceiver, 15kV ESD Protection		ST232ECN	107-7195●	3.64	2.78	2.39
233	MAX	20	SOIC	As MAX232, requires no external capacitors, 200kbps Data Rate		MAX233ACWP	SMD 642-605▲	22.92	17.54	12.40
233	MAX	20	DIL	As MAX232, requires no external capacitors, 120kbps Data Rate		MAX233CPP	407-215▲	15.87	12.14	8.66
234	MAX	16	DIL	CMOS Quad RS232 Transmitter		MAX234CPE+	118-7976●	15.06	10.88	7.84
236	INTS	24	DIL	CMOS RS232 Transmitter/Receiver. 4 Drivers/3 Receivers		HIN236CBZ	120-1549●	6.08	5.61	5.17
238	ADI	24	DIL	CMOS Quad RS232 Transmitter/Receiver (AD238JN upgrade)		ADM238LJNZ	114-3213●	8.10	6.45	5.40
238	INTS	24	SOIC	CMOS Quad RS232 Transmitter/Receiver		HIN238CB	SMD 702-754▲‡	3.83	3.53	3.25
238	INTS	24	SOIC	CMOS Quad RS232 Transmitter/Receiver		HIN238CBZ	SMD 966-4173●	3.83	3.53	3.25
238	INTS	24	DIL	CMOS Quad RS232 Transmitter/Receiver		HIN238CPZ	966-4050●	4.01	3.70	3.41
238	MAX	24	DIL	CMOS Quad RS232 Transmitter/Receiver		MAX238CNG+	972-5180●	16.09	12.31	8.78
238	MAX	24	SOIC	CMOS Quad RS232 Transmitter/Receiver		MAX238CWG+	SMD 972-5113●	16.09	12.31	8.78
238	MAX	24	SOIC	CMOS Quad RS232 Tranciever (IND TEMP)		MAX238EWG	SMD 353-4108▲‡	18.91	14.47	10.33
238	MAX	24	SOIC	CMOS Quad RS232 Tranciever (IND TEMP)		MAX238EWG+	SMD 972-4923●	19.34	14.80	10.56
239	INTS	24	DIL	CMOS RS232 Transmitter/Receiver. 3 Drivers/5 Receivers		HIN239CP	702-778▲‡	5.20	4.79	4.41
239	INTS	24	DIL	CMOS RS232 Transmitter/Receiver. 3 Drivers/5 Receivers		HIN239CPZ	966-4181●	5.20	4.79	4.41
241	MAX	28	SSOP	+5V, multi-channel RS232, 4 Drivers/5 Receivers with shutdown and 3 state operation, 120kbps data rate		MAX241ECAI	SMD 355-7662▲‡	19.13	14.64	10.44
241	MAX	28	SSOP	+5V, multi-channel RS232, 4 Drivers/5 Receivers with shutdown and 3 state operation, 120kbps data rate		MAX241ECAI+	SMD 972-5121●	19.56	14.97	10.68
250	MAX	14	DIL	5V Isolated RS232 Transceiver, 2 Drivers/2 Receivers		MAX250CPD	305-1110▲‡	14.22	10.88	7.76
250	MAX	14	DIL	5V Isolated RS232 Transceiver, 2 Drivers/2 Receivers		MAX250CPD+	972-4540●	16.31	12.48	8.91
250	MAX	14	SOIC	5V Isolated RS232 Transceiver, 2 Drivers/2 Receivers		MAX250CSD+	SMD 972-5385●	17.97	13.75	9.81
251	MAX	14	DIL	5V Isolated Dual RS232 Transceiver with power shutdown, output enable control for tri-state operation		MAX251CPD	353-4110▲‡	16.24	12.43	8.87
251	MAX	14	DIL	5V Isolated Dual RS232 Transceiver with power shutdown, output enable control for tri-state operation		MAX251CPD+	972-4931●	16.31	12.48	8.91
481	MAX	8	DIL	RS485/RS422, Low power Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable and shutdown mode		MAX481ECPA+	118-7939●	7.28	5.57	3.97
481	MAX	8	SOIC	RS485/RS422, Low Power Transmitter/Receiver with +/-15kV ESD protection, Receiver/Driver enable and shutdown mode.		MAX481ECSA	SMD 355-7674▲‡	7.15	5.47	3.90
481	MAX	8	SOIC	RS485/RS422, Low Power Transmitter/Receiver with +/-15kV ESD protection, Receiver/Driver enable and shutdown mode.		MAX481ECSA+	SMD 972-5130●	7.26	5.57	3.97
483	MAX	8	DIL	CMOS Differential Bus Transceiver (RS485/RS422). Reduced slew rate allows for error free data transmission		MAX483CPA+	972-5229●	6.07	4.67	3.33
483	MAX	8	DIL	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable and shutdown mode		MAX483ECPA	305-0361▲‡	5.78	4.42	3.15
483	MAX	8	DIL	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable and shutdown mode		MAX483ECPA+	972-4516●	7.28	5.57	3.97
483	MAX	8	SOIC	CMOS Differential Bus Transceiver (RS485/RS422). Reduced slew rate allows for error free data transmission		MAX483ECSA+	SMD 972-5571●	6.84	5.14	4.42
483	MAX	8	DIL	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable and shutdown mode (IND TEMP)		MAX483EPA	305-1511▲‡	6.13	4.69	3.35
483	MAX	8	DIL	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable and shutdown mode (IND TEMP)		MAX483EPA+	972-4575●	6.13	4.69	3.35
483	MAX	8	SOIC	CMOS Differential Bus Transceiver (RS485/RS422). Reduced slew rate allows for error free data transmission		MAX483ESA+	SMD 972-5580●	7.24	5.54	3.95
485	ADI	8	DIL	CMOS Differential Bus Transceiver (RS485/RS422). Low Power 75176		ADM485JNZ	107-9405●	2.65	2.21	1.76
485	ADI	8	SOIC	CMOS Low Power RS485 Transceiver		ADM485JRZ	SMD 942-6264●	3.27	2.55	– –
485	NSC	8	SOIC	CMOS Multipoint Transceiver (RS485/RS422), Low Power		DS485M	SMD 949-0078●	4.13	2.93	2.14
485	NSC	8	SOIC	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS485CM	SMD 949-0663●	4.39	3.11	2.27
485	NSC	8	DIL	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS485CNA.	580-1047‡	4.55	3.22	2.35
485	NSC	8	DIL	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS485CNA	949-0671●	4.55	3.22	2.35
485	NSC	8	SOIC	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS485IM.	SMD 580-1059‡	4.55	3.22	2.35

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Propagation Delay	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Transmitters/Receivers										
485	NSC	8	SOIC	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS485IM	SMD 949-0680	4.55	3.22	2.35
485	NSC	8	DIL	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS485INA.	580-1060‡	4.76	3.37	2.46
485	NSC	8	DIL	CMOS Multipoint Transceiver (RS485/RS422), Low Power		DS485N	949-0086	4.35	3.08	2.25
485	LT	8	DIL	CMOS Differential Bus Transceiver (RS485/RS422). Low power 75176		LTC485CN8	403-465▲	5.56	3.55	2.86
485	LT	8	DIL	CMOS Differential Bus Transceiver (RS485/RS422). Low power 75176		LTC485CN8#PBF	956-1323	5.56	3.55	2.86
485	LT	8	SOIC	CMOS Differential Bus Transceiver (RS485/RS422)		LTC485CS8	SMD 559-234▲	6.53	4.17	3.35
485	LT	8	SOIC	CMOS Differential Bus Transceiver (RS485/RS422)		LTC485CS8#PBF	SMD 956-1331	6.53	4.17	3.35
485	LT	8	DIL	Low Power RS485 Interface Transceiver		LTC485IN8.	476-7767▲	6.39	5.46	4.65
485	LT	8	DIL	Low Power RS485 Interface Transceiver		LTC485IN8.#PBF	956-1340	6.61	4.23	3.44
485	MAX	8	DIL	CMOS Differential Bus Transceiver (RS485/RS422). Low power 75176		MAX485CPA+	972-5210	4.91	3.76	2.68
485	MAX	8	DIL	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable		MAX485ECPA+	118-7940	5.63	4.31	3.07
485	MAX	8	SOIC	RS485/RS422, Low Power Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable		MAX485ECSA+	SMD 972-4524	5.78	4.42	3.15
485	MAX	8	SOIC	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with Receiver/Driver enable. (IND TEMP)		MAX485ESA	SMD 305-1523▲‡	6.13	4.69	3.35
485	MAX	8	SOIC	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with Receiver/Driver enable. (IND TEMP)		MAX485ESA+	SMD 972-4583	6.13	4.69	3.35
485	CD	24	DIL	Isolated EIA485 Dual Differential Driver/Receiver		NM485DC	120-2163	95.01	80.94	66.30
485	MAX	8	SOIC	CMOS Differential Bus Transceiver (RS485/RS422)		MAX485CSA+	SMD 972-5954	6.07	4.64	3.31
485	ST	8	DIL	Low Power RS-485/RS-422 Transceiver		ST485BN	107-7199	3.64	2.79	2.40
485	ST	8	DIL	Low Power RS-485/RS-422 Transceiver		ST485CN	107-7201	3.63	2.78	2.39
485	ST	8	SOIC	Low Power RS-485/RS-422 Transceiver with 15kV ESD Protection		ST485EBD	SMD 107-7202	5.14	3.93	3.38
485	ST	8	DIL	Low Power RS-485/RS-422 Transceiver with 15kV ESD Protection		ST485EBN	107-7203	3.06	2.90	2.56
485	ST	8	DIL	Low Power RS-485/RS-422 Transceiver with 15kV ESD Protection		ST485ECN	107-7204	5.11	3.91	3.36
485	ST	8	DIL	Low Power RS-485/RS-422 Transceiver with 15kV ESD Protection		ST485ERBN	107-7206	8.50	7.39	5.47
485	ST	8	DIL	Low Power RS-485/RS-422 Transceiver with 15kV ESD Protection		ST485ERCN	107-7207	4.39	2.93	2.51
485	NSC	8	SOIC	5V Low Power RS-485 Differential Bus Transceiver		LMS485ECM	SMD 818-1535	5.18	3.66	2.67
485	NSC	8	DIL	5V Low Power RS-485 Differential Bus Transceiver		LMS485ECNA	818-1543	4.99	3.63	2.72
485	NSC	8	SOIC	5V Low Power RS-485 Differential Bus Transceiver		LMS485EIM	SMD 818-1551	5.04	3.77	2.83
485	NSC	8	DIL	5V Low Power RS-485 Differential Bus Transceiver		LMS485EINA	818-1560	5.04	3.77	2.83
487	MAX	8	DIL	CMOS Differential Bus Transceiver (RS485/RS422), Low Power 75176		MAX487CPA+	118-8013	4.76	3.64	2.60
487	MAX	8	SOIC	CMOS Differential Bus Transceiver (RS485/RS422)		MAX487CSA+	SMD 972-6128	4.76	3.64	2.60
487	MAX	8	SOIC	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable		MAX487ECSA	SMD 305-0397▲‡	5.78	4.42	3.15
487	MAX	8	SOIC	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with ±15kV ESD protection, Receiver/Driver enable		MAX487ECSA+	SMD 972-4532	5.78	4.42	3.15
488	MAX	8	DIL	RS485/RS422, Low Power, limited slew-rate Transmitter/Reciever with thermal shutdown, 250kbps data rate for Duplex applications		MAX488CPA+	972-5598	5.62	4.30	3.07
488	MAX	8	SOIC	RS485/RS422, Low Power, limited slew-rate Transmitter/Reciever with thermal shutdown, 250kbps data rate for Duplex applications		MAX488CSA	SMD 353-4170▲‡	5.84	4.47	3.19
488	MAX	8	SOIC	RS485/RS422, Low Power, limited slew-rate Transmitter/Reciever with thermal shutdown, 250kbps data rate for Duplex applications		MAX488CSA+	SMD 972-4966	5.84	4.47	3.19
488	MAX	8	SOIC	RS485/RS422, Low Power, limited slew-rate Transmitter/Reciever with thermal shutdown, 250kbps data rate for Duplex applications (IND TEMP)		MAX488ECSA	SMD 353-4182▲‡	7.15	5.47	3.90
488	MAX	8	SOIC	RS485/RS422, Low Power, limited slew-rate Transmitter/Reciever with thermal shutdown, 250kbps data rate for Duplex applications (IND TEMP)		MAX488ECSA+	SMD 972-4974	7.15	5.47	3.90
488	MAX	8	SOIC	RS485/RS422, Low Power, limited slew-rate Transmitter/Reciever with thermal shutdown, 250kbps data rate for Duplex applications		MAX488EESA.	SMD 490-4965▲‡	9.52	7.29	5.20
488	MAX	8	SOIC	RS485/RS422, Low Power, limited slew-rate Transmitter/Reciever with thermal shutdown, 250kbps data rate for Duplex applications		MAX488EESA+	SMD 972-5601	9.81	7.51	5.36
489	MAX	14	DIL	RS485/RS422, Low power, Limited slew rate Transmitter/Receiver with Receiver/driver enable.		MAX489CPD+	972-5148	4.76	3.64	2.60
489	MAX	14	SOIC	RS485/RS422, Low Power, limited slew rate Transmitter/Receiver with Receiver/Driver enable.		MAX489CSD+	SMD 972-4559	4.76	3.64	2.60
489	LT	16	DIL	Quad RS485 Differential Bus/Line Receiver		LTC489CN	476-7779▲	12.33	10.29	8.22
489	LT	16	DIL	Quad RS485 Differential Bus/Line Receiver		LTC489CN#PBF	956-1358	12.71	8.14	6.62
490	LT	8	DIL	CMOS Differential Driver and Receiver		LTC490CN8	386-2653▲	9.73	6.21	5.00
490	LT	8	DIL	CMOS Differential Driver and Receiver		LTC490CN8#PBF	956-1366	9.73	6.21	5.00
490	LT	8	SOIC	Multipoint Differential Driver and Receiver Pair		LTC490CS8#PBF	SMD 956-1374	10.52	6.74	5.48
490	LT	8	SOIC	Multipoint Differential Driver and Receiver Pair		LTC490CS8	SMD 476-7780▲	10.17	8.67	7.41
490	LT	8	DIL	CMOS Differential Driver and Receiver (IND TEMP)		LTC490IN8	386-2665▲	11.96	7.63	6.14
490	LT	8	DIL	CMOS Differential Driver and Receiver (IND TEMP)		LTC490IN8#PBF	956-1382	11.96	7.63	6.14
490	MAX	8	SOIC	RS485/RS422, Low Power Transmitter/Reciever with thermal shutdown, 2.5Mbps data rate for Duplex applications		MAX490CSA+	SMD 972-4982	5.84	4.47	3.19
490	MAX	8	SOIC	RS485/RS422, Low Power Transmitter/Reciever with thermal shutdown, 2.5Mbps data rate for Duplex applications		MAX490EESA+	SMD 972-5610	9.81	7.51	5.36
490	MAX	8	SOIC	RS485/RS422, Low Power Transmitter/Reciever with thermal shutdown, 2.5Mbps data rate for Duplex applications		MAX490ESA+	SMD 972-5628	7.00	5.36	3.82
491	LT	14	DIL	Differential Driver and Receiver with Failsafe		LTC491CN#PBF	956-1390	18.91	12.06	9.71
491	LT	14	DIL	Differential Driver and Receiver with Failsafe		LTC491CN	386-2677▲	18.91	12.06	9.71
491	LT	14	DIL	Differential Driver and Receiver with Failsafe (IND TEMP)		LTC491IN	386-2689▲	13.35	8.52	6.86
491	LT	14	DIL	Differential Driver and Receiver with Failsafe (IND TEMP)		LTC491IN#PBF	956-1404	13.35	8.52	6.86
491	MAX	14	SOIC	RS485/RS422, Low Power Transmitter/Receiver with Receiver/Driver enable		MAX491CSD+	SMD 972-4567	4.76	3.64	2.60
491	MAX	14	SOIC	RS485/RS422, Low Power Transmitter/Reciever with thermal shutdown, Reciever/Driver enable, 2.5Mbps data rate for Duplex applications (IND TEMP)		MAX491ECSD+	SMD 972-4990	7.15	5.47	3.90
1080	LT	18	DIL	Dual RS232 Driver/Receiver with shutdown		LT1080CN#PBF	113-6636	10.99	7.04	5.73
1081	LT	16	DIL	Dual RS232 Driver/Receiver		LT1081CN	407-306▲	9.93	6.33	5.10
1081	LT	16	DIL	Dual RS232 Driver/Receiver		LT1081CN#PBF	955-9710	9.93	6.33	5.10
1133	LT	24	DIL	Enhanced, Low Power, RS232 Driver/Receiver. 3 Drivers/5 Receivers (enhanced LT1133CN)		LT1133ACN	459-770▲	15.94	10.17	8.19
1133	LT	24	DIL	Enhanced, Low Power, RS232 Driver/Receiver. 3 Drivers/5 Receivers (enhanced LT1133CN)		LT1133ACN#PBF	956-0114	15.94	10.17	8.19
1134	LT	24	DIL	Enhanced, Low Power, Quad RS232 Driver/Receiver		LT1134ACN	459-781▲	15.57	9.93	8.00
1134	LT	24	DIL	Enhanced, Low Power, Quad RS232 Driver/Receiver		LT1134ACN#PBF	956-0122	15.57	9.93	8.00
1180	LT	18	DIL	Enhanced, Low Power, Dual RS232 Driver/Receiver with shutdown		LT1180ACN	459-756▲	10.29	6.56	5.29
1180	LT	18	DIL	Enhanced, Low Power, Dual RS232 Driver/Receiver with shutdown		LT1180ACN#PBF	956-0246	10.29	6.56	5.29
1180	LT	18	SOIC	Low Power RS232 dual driver/receiver with 0.1µf capacitors		LT1180ACSW	SMD 386-2150▲	11.40	7.27	5.86
1180	LT	18	SOIC	Low Power RS232 dual driver/receiver with 0.1µf capacitors		LT1180ACSW#PBF	SMD 956-0254	11.40	7.27	5.86
1180	LT	18	DIL	Low Power RS232 dual driver/receiver with 0.1µf capacitors		LT1180AIN,#PBF	113-6618	11.73	7.52	6.11
1181	LT	16	DIL	Enhanced, Low Power, Dual RS232 Driver/Receiver		LT1181ACN	459-768▲	9.66	6.17	4.96
1181	LT	16	DIL	Enhanced, Low Power, Dual RS232 Driver/Receiver		LT1181ACN#PBF	956-0262	9.66	6.17	4.96
1181	LT	16	SOIC	Enhanced, Low Power, Dual RS232 Driver/Receiver		LT1181ACSW	SMD 573-346▲	11.40	7.27	5.86
1181	LT	16	SOIC	Enhanced, Low Power, Dual RS232 Driver/Receiver		LT1181ACSW#PBF	SMD 956-0270	11.40	7.27	5.86
1348	LT	28	SOIC	Low Power RS232 Transceiver		LTC1348CSW#PBF	SMD 956-1064	16.70	10.98	8.93
1384	LT	18	DIL	Low Power, Dual RS232 Driver/Receiver, with Active in Shutdown mode.		LTC1384CN	638-330▲	14.46	9.22	7.43
1384	LT	18	DIL	Low Power, Dual RS232 Driver/Receiver, with Active in Shutdown mode.		LTC1384CN#PBF	956-1072	14.46	9.22	7.43
1384	LT	18	SOIC	5V low Power RS232 Transceiver with active receivers in shutdown mode		LTC1384CSW	SMD 386-2010▲	14.46	9.23	7.43
1384	LT	18	SOIC	5V low Power RS232 Transceiver with active receivers in shutdown mode		LTC1384CSW#PBF	SMD 956-1080	14.46	9.23	7.43
1385	ADI	20	SSOP	Low Power, 3.3V Dual RS232, Transceiver with Driver Disable Mode and Complete Shutdown		ADM1385ARSZ	SMD 960-3654	4.27	3.56	2.84

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Propagation Delay	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Transmitters/Receivers										
1386	LT	16	SOIC	Low Power EIA/TIA562 Transceiver		LTC1386CS	SMD 476-7640▲	10.65	9.06	7.77
1386	LT	16	SOIC	Low Power EIA/TIA562 Transceiver		LTC1386CS#PBF	SMD 956-1099●	10.99	7.04	5.73
1387	LT	20	SOIC	RS232/RS485 Multiprotocol Transceiver		LTC1387CSW	SMD 476-7652▲	16.11	13.68	11.73
1387	LT	20	SOIC	RS232/RS485 Multiprotocol Transceiver		LTC1387CSW#PBF	SMD 956-1102●	16.62	10.65	8.66
1480	LT	8	DIL	3.3V Ultra-low Power RS485 Transceiver		LTC1480CN8	386-2550▲	10.57	6.74	5.43
1480	LT	8	DIL	3.3V Ultra-low Power RS485 Transceiver		LTC1480CN8#PBF	113-6631●	9.31	5.96	4.85
1480	LT	8	DIL	3.3V Ultra-low Power RS485 Transceiver (IND TEMP)		LTC1480IN8	386-2562▲	12.79	8.16	6.57
1480	MAX	28	DIL	Complete Isolated RS485/RS422 data interface with Transceiver, opto-couplers and transformer		MAX1480ACPI	305-2291▲	55.71	41.46	29.57
1480	MAX	28	DIL	Complete Isolated RS485/RS422 data interface with Tranceiver optocouplers and transformer (half duplex with 250kbps data range)		MAX1480BCPI	353-4029▲	53.22	39.61	28.25
1481	LT	8	DIL	CMOS, Ultra Low Power, RS485 Driver/Receiver with shutdown		LTC1481CN8	569-112▲	5.91	3.77	3.04
1481	LT	8	DIL	CMOS, Ultra Low Power, RS485 Driver/Receiver with shutdown		LTC1481CN8#PBF	113-6638●	5.40	3.46	2.81
1483	LT	8	DIL	CMOS, Ultra Low Power, RS485 Driver Receiver with controlled slew rate, low EMI emission and shutdown		LTC1483CN8#PBF	956-1226●	5.75	3.67	2.95
1483	LT	8	SOIC	Low Power RS485 Low EMI Transceiver with Shutdown		LTC1483CS8	SMD 476-7720▲	6.39	5.46	4.65
1483	LT	8	SOIC	Low Power RS485 Low EMI Transceiver with Shutdown		LTC1483CS8#PBF	SMD 956-1234●	6.61	4.23	3.44
1483	LT	8	DIL	Ultralow Power RS485 Low EMI Transceiver with Shutdown (IND TEMP)		LTC1483IN8	386-2586▲	8.06	5.15	4.14
1483	LT	8	DIL	Ultralow Power RS485 Low EMI Transceiver with Shutdown (IND TEMP)		LTC1483IN8#PBF	956-1242●	8.06	5.15	4.14
1483	MAX	8	DIL	CMOS, Ultra-low-power, RS-485/RS-422 Transceiver with limited slew rate, low EMI and shutdown		MAX1483CPA	301-1987▲‡	4.76	3.64	2.60
1483	MAX	8	DIL	CMOS, Ultra-low-power, RS-485/RS-422 Transceiver with limited slew rate, low EMI and shutdown		MAX1483CPA+	972-3870●	6.01	4.60	3.28
1483	LT	8	DIL	CMOS, Ultra Low Power, RS485 Driver Receiver with controlled slew rate, low EMI emission and shutdown		LTC1483CN8	569-124▲	5.75	3.67	2.95
1485	LT	8	DIL	Low-Power Differential Bus/Line Transceiver		LTC1485CN8	476-7731▲	5.70	4.83	4.14
1485	LT	8	DIL	Low-Power Differential Bus/Line Transceiver		LTC1485CN8#PBF	956-1250●	5.86	3.76	3.06
1485	NSC	8	SOIC	5V Low Power RS-485 Differential Bus Transceiver		LMS1485M	SMD 949-0701●	4.28	3.03	2.21
1486	MAX	10	SOIC	CMOS, Software-selectable, RS-485/RS-422 Transceiver with limited slew rate and shutdown mode		MAX1486CUB+	SMD 972-3889●	5.91	4.52	3.23
1487	NSC	8	SOIC	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS1487CM.	SMD 580-1084‡	4.39	3.11	2.27
1487	NSC	8	SOIC	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS1487CM	SMD 949-0710●	4.39	3.11	2.27
1487	LT	8	DIL	CMOS, Ultra Low Power, RS485 Driver/Receiver as LTC1483CN8, with high impedance receiver inputs		LTC1487CN8	569-136▲	6.12	3.90	3.14
1487	NSC	8	DIL	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS1487CNA.	580-1096‡	4.55	3.22	2.35
1487	NSC	8	DIL	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS1487CNA	949-0728●	4.55	3.22	2.35
1487	NSC	8	SOIC	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS1487IM.	SMD 580-1102‡	4.55	3.22	2.35
1487	NSC	8	SOIC	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS1487IM	SMD 949-0736●	4.55	3.22	2.35
1487	NSC	8	DIL	5V Low Power RS-485 / RS-422 Differential Bus Transceiver		LMS1487INA.	580-1114‡	4.76	3.37	2.46
1487	LT	8	DIL	CMOS, Ultra Low Power, RS485 Driver/Receiver as LTC1483CN8, with high impedance receiver inputs		LTC1487CN8#PBF	956-1269●	6.12	3.90	3.14
1487	LT	8	SOIC	Differential Line Transceiver with Shutdown and High Input Impedance		LTC1487CS8	SMD 476-7743▲	6.39	5.46	4.65
1487	LT	8	SOIC	Differential Line Transceiver with Shutdown and High Input Impedance		LTC1487CS8#PBF	SMD 956-1277●	6.61	4.23	3.44
1487	NSC	8	SOIC	Low Power RS-485/RS-422 Differential Bus Transceiver		LMS1487ECM	SMD 818-1497●	5.18	3.66	2.67
1487	NSC	8	DIL	Low Power RS-485/RS-422 Differential Bus Transceiver		LMS1487ECNA	818-1500●	4.99	3.63	2.72
1487	NSC	8	SOIC	Low Power RS-485/RS-422 Differential Bus Transceiver		LMS1487EIM	SMD 818-1519●	5.04	3.77	2.83
1785	LT	8	DIL	60V Fault Protected RS485/RS422 Transceivers with fail-safe inputs		LT1785ACN8	386-2434▲	10.85	6.92	5.57
1785	LT	14	DIL	60V Fault Protected RS485/RS422 Transceivers with fail-safe inputs		LT1785ACN8#PBF	956-0696●	10.85	6.92	5.57
1785	LT	8	DIL	60V Fault Protected RS485/RS422 Transceivers with fail-safe inputs (IND TEMP)		LT1785AIN8	386-2446▲	12.51	7.98	6.43
1785	LT	14	DIL	60V Fault Protected RS485/RS422 Transceivers with fail-safe inputs (IND TEMP)		LT1785AIN8#PBF	956-0700●	12.51	7.98	6.43
1785	LT	8	DIL	60V Fault Protected RS485/RS422 Transceivers		LT1785CN8	386-2458▲	8.90	5.68	4.57
1785	LT	8	DIL	60V Fault Protected RS485/RS422 Transceivers		LT1785CN8#PBF	956-0718●	8.90	5.68	4.57
2486	ADI	16	SOIC	High Speed, Half-Duplex iCoupler Isolated RS-485 Transceiver		ADM2486BRWZ	SMD 107-8207●	10.86	9.78	– –
3082	MAX	8	DIL	CMOS, RS-485/RS-422 Transceiver with limited slew rate, shutdown mode and fail-safe feature		MAX3082CPA	301-2001▲‡	4.91	3.76	2.68
3082	MAX	8	DIL	CMOS, RS-485/RS-422 Transceiver with limited slew rate, shutdown mode and fail-safe feature		MAX3082CPA+	972-3897●	6.39	4.89	3.49
3082	MAX	8	SOIC	CMOS, RS-485/RS-422 Transceiver with limited slew rate, shutdown mode and fail-safe feature		MAX3082CSA	SMD 301-2190▲‡	4.91	3.76	2.68
3082	MAX	8	SOIC	CMOS, RS-485/RS-422 Transceiver with limited slew rate, shutdown mode and fail-safe feature		MAX3082CSA+	SMD 972-3900●	6.39	4.89	3.49
3085	MAX	8	SOIC	High-speed , slew rate limited RS485/422 transceiver		MAX3085CSA+	SMD 972-5407●	6.39	4.89	3.49
3086	MAX	14	SOIC	High-speed , slew rate limited RS485/422 transceiver		MAX3086CSD	SMD 490-4758▲‡	5.82	4.45	3.18
3086	MAX	14	SOIC	High-speed , slew rate limited RS485/422 transceiver		MAX3086CSD+	SMD 972-5415●	6.39	4.89	3.49
3089	MAX	14	DIL	CMOS, RS-485/RS-422 Transceiver with selectable slew rate, shutdown mode and fail-safe feature		MAX3089CPD+	118-7933●	6.62	5.06	3.61
3160	MAX	20	SSOP	RS232/RS485/RS422 multiprotocol Transceiver		MAX3160CAP+	SMD 972-5431●	28.76	21.41	15.56
3202	ADI	16	TSSOP	Low Power, 3.3V RS232 Transceiver. 2 Drivers/2 Receivers (TSSOP)		ADM3202ARUZ	SMD 942-5586●	5.34	3.54	2.67
3221	INTS	16	SSOP	RS232 CMOS Transmitter/Receiver, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3221CA	SMD 412-6701▲‡	3.54	3.27	3.01
3221	INTS	16	SSOP	RS232 CMOS Transmitter/Receiver, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3221CAZ	SMD 966-3924●	3.54	3.27	3.01
3221	MAX	16	SSOP	RS232 Transmitter/Receiver with shutdown mode. (SSOP, IND TEMP)		MAX3221CAE+	SMD 972-4508●	6.06	4.64	3.31
3221	MAX	16	SSOP	RS232 Transmitter/Receiver with shutdown mode. (SSOP, IND TEMP)		MAX3221EAE+	SMD 972-5440●	8.65	6.62	4.72
3221	MAX	16	SSOP	RS232 Transmitter/Receiver with shutdown mode. (SSOP, IND TEMP)		MAX3221ECAE+	SMD 972-5458●	6.94	5.31	3.79
3221	MAX	16	SSOP	RS232 Transmitter/Receiver with shutdown mode. (SSOP, IND TEMP)		MAX3221EEAE+	SMD 972-5466●	10.82	8.28	5.91
3221	TI	16	SSOP	3V to 5.5V Single-Channel RS-232 Line Driver/Receiver		MAX3221CDBE4	SMD 105-3617●	2.69	2.06	1.51
3221	TI	16	TSSOP	3V to 5.5V Single-Channel RS-232 Line Driver/Receiver		MAX3221CPWE4	SMD 105-3614●	2.69	2.06	1.51
3221	TI	16	SSOP	3V to 5.5V Single-Channel RS-232 Line Driver/Receiver		MAX3221IDBE4	SMD 105-3611●	2.93	2.24	1.65
3221	TI	16	TSSOP	3V to 5.5V Single-Channel RS-232 Line Driver/Receiver		MAX3221IPWG4	SMD 105-3606●	2.93	2.24	1.65
3222	ADI	18	DIL	Low Power, RS232 Transceiver with auto-shutdown. 2 Drivers/2 Receivers.		ADM3222ANZ	107-9324●	3.55	2.95	2.36
3222	INTS	20	SSOP	RS232 CMOS 2 Transmitters/2 Receiver, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3222CAZ	SMD 966-3932●	3.78	3.49	3.21
3222	INTS	18	SOIC	RS232 CMOS Transmitter/Receiver, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3222CBZ	SMD 966-3940●	3.78	3.49	3.21
3222	INTS	18	DIL	RS232 CMOS 2 Transmitters/2 Receivers, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3222CPZ	120-1544●	3.36	3.10	2.85
3222	MAX	18	DIL	Low Power, RS232 Transceiver. 2 Drivers/2 Receivers		MAX3222CPN+	118-8044●	9.22	7.08	5.05
3223	INTS	20	DIL	RS232 CMOS 2 Transmitters/2 Receivers 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3223CPZ	120-1545●	4.14	3.82	3.51
3223	MAX	20	SSOP	Low Power, RS232 Transceiver with auto-shutdown. 2 Drivers/2 Receivers.		MAX3223CAP	SMD 490-4813▲‡	8.30	6.28	5.63
3223	MAX	20	SSOP	Low Power, RS232 Transceiver with auto-shutdown. 2 Drivers/2 Receivers.		MAX3223CAP+	SMD 972-5474●	9.22	7.17	5.12
3223	MAX	20	SSOP	Low Power, RS232 Transceiver with auto-shutdown. 2 Drivers/2 Receivers.		MAX3223EAP	SMD 490-4825▲‡	10.76	8.23	5.87
3223	MAX	20	SSOP	Low Power, RS232 Transceiver with auto-shutdown. 2 Drivers/2 Receivers.		MAX3223EAP+	SMD 972-5482●	11.51	8.81	6.29
3224	MAX	20	SSOP	CMOS, RS232 Transmitter/Receiver with auto-shutdown/wake-up features, 3V powered and ±15kV ESD protected (SSOP)		MAX3224ECAP+	SMD 972-3927●	10.74	8.22	5.86
3225	INTS	20	SSOP	RS232 CMOS 2 Transmitters/2 Receivers, 1Mbps data rate, 1µA supply, +3V to +5.5V, ±15kV ESD Protected		ICL3225ECAZ	SMD 966-3959●	5.34	4.93	4.54
3225	INTS	20	DIL	RS232 CMOS 2 Transmitters/2 Receivers, 1Mbps data rate, 1µA supply, +3V to +5.5V, ±15kV ESD Protected		ICL3225ECP	412-6762	5.34	4.93	4.54

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

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	Mftr.	Pins	Pkg	Description	Propagation Delay	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
Transmitters/Receivers										
3225	INTS	20	DIL	RS232 CMOS 2 Transmitters/2 Receivers, 1Mbps data rate, 1µA supply, +3V to +5.5V, ±15kV ESD Protected		ICL3225ECPZ	121-6114	5.50	5.08	4.68
3227	INTS	16	SSOP	RS232 CMOS Transmitter/Receiver, 1Mbps data rate, 1µA supply, +3V to +5.5V, ±15kV ESD Protected		ICL3227ECAZA	SMD 120-2822	4.62	4.26	3.93
3232	INTS	16	DIL	RS232 CMOS 2 Transmitters/2 Receivers, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3232CPZ	120-1546	3.89	3.59	3.31
3232	INTS	16	SOIC	RS232 CMOS 2 Transmitters2 Receivers, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3232CBZ	SMD 966-3967	3.54	3.27	3.01
3232	INTS	16	SOIC	RS232 CMOS 2 Transmitters/2 Receivers, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3232CBNZ	SMD 966-3975	3.54	3.27	3.01
3232	MAX	16	DIL	Low Power, RS232 Transmitter/Receiver, 2 Drivers/2 Receivers(MAX232 compatible)		MAX3232CPE+	972-4494	8.92	6.83	4.87
3232	MAX	16	SOIC	Low Power, RS232 Transmitter/Receiver, 2 Drivers/2 Receivers(Narrow package, MAX232 compatible)		MAX3232CSE+	SMD 972-5490	8.92	6.83	4.87
3232	MAX	16	SOIC	Low Power, RS232 Transmitter/Receiver, 2 Drivers/2 Receivers(Wide package, MAX232 compatible)		MAX3232CWE	SMD 490-4849▲‡	8.32	6.37	4.54
3232	MAX	16	SOIC	Low Power, RS232 Transmitter/Receiver, 2 Drivers/2 Receivers(Wide package, MAX232 compatible)		MAX3232CWE+	SMD 972-5504	8.92	6.83	4.87
3232	MAX	16	SSOP	Low Power, RS232 Transmitter/Receiver, 2 Drivers/2 Receivers(MAX232 compatible)		MAX3232ECAE+	SMD 972-5512	10.74	8.22	5.86
3232	MAX	16	SOIC	Low Power, RS232 Transmitter/Receiver, 2 Drivers/2 Receivers(MAX232 compatible)		MAX3232ECWE	SMD 490-4862▲‡	10.06	7.70	5.49
3232	MAX	16	SOIC	Low Power, RS232 Transmitter/Receiver, 2 Drivers/2 Receivers(MAX232 compatible)		MAX3232ECWE+	SMD 972-5520	10.74	8.22	5.86
3232	MAX	16	SOIC	Low Power, RS232 Transmitter/Receiver, 2 Drivers/2 Receivers(Narrow Package, MAX232 compatible)		MAX3232ESE+	SMD 972-5539	11.51	8.81	6.29
3232	ST	16	SOP	3 TO 5.5V, Low Power, Up To 400KBPS, RS-232 Driver And Receiver		ST3232CD	SMD 108-7209	3.84	2.94	2.53
3232	ST	16	DIL	3 to 5.5V Low Power RS-232 Driver/Receiver		ST3232CN	107-7196	4.02	3.07	2.64
3238	MAX	28	SSOP	CMOS, RS232 Transmitter/Receiver, 5 Drivers/3 Receivers, with auto-shut-down, 3V powered (SSOP)		MAX3238EAI	SMD 301-2232▲‡	18.12	13.87	9.89
3238	MAX	28	SSOP	CMOS, RS232 Transmitter/Receiver, 5 Drivers/3 Receivers, with auto-shut-down, 3V powered (SSOP)		MAX3238EAI+	SMD 972-3935	22.92	17.54	12.40
3241	MAX	28	SSOP	CMOS RS232 Tranceiver, 3 Drivers/5 Recievers with auto shutdown, 250kbps data rate and +/- 15kV ESD protection, 3V to 5.5V supply. (SSOP)		MAX3241ECAI+	SMD 972-4940	19.25	15.22	10.76
3243	INTS	28	SSOP	RS232 CMOS 3 Transmitters/5 Receivers, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3243CAZ	SMD 966-3983	3.31	3.05	2.81
3243	INTS	28	SOIC	RS232 CMOS 3 Transmitters/5 Receivers, 256kbps data rate, 1µA supply, +3V to +5.5V		ICL3243CBZ	SMD 966-3991	2.36	2.18	2.01
3243	MAX	28	SSOP	CMOS RS232 Transciever, 3 Drivers/5 Recievers with low power shut-down, 250kbpts data rate and +/- 15kV ESD protection. (SSOP)		MAX3243ECAI	SMD 353-4133▲‡	18.20	13.92	9.93
3243	MAX	28	SSOP	CMOS RS232 Transciever, 3 Drivers/5 Recievers with low power shut-down, 250kbpts data rate and +/- 15kV ESD protection. (SSOP)		MAX3243ECAI+	SMD 972-4958	18.68	14.29	10.20
3243	TI	28	SSOP	3V to 5.5V Multichannel RS-232 Line Driver/Receiver With +/-15kV ESD (HBM) Protection		MAX3243ECDB	SMD 105-3601	2.93	2.24	1.65
3243	TI	28	SOIC	3V to 5.5V Multichannel RS-232 Line Driver/Receiver With +/-15kV ESD (HBM) Protection		MAX3243ECDW	SMD 105-3599	2.93	2.24	1.65
3243	TI	28	SSOP	3V to 5.5V Multichannel RS-232 Line Driver/Receiver With +/-15kV ESD (HBM) Protection		MAX3243EIDB	SMD 105-3597	3.42	2.62	1.93
3243	TI	28	SOIC	3V to 5.5V Multichannel RS-232 Line Driver/Receiver With +/-15kV ESD (HBM) Protection		MAX3243EIDW	SMD 105-3595	3.42	2.62	1.93
3311	ADI	28	SOIC	CMOS, RS232 Transmitter/Receiver with auto-shutdown, 3V powered and ±15kV ESD protected. 3 Drivers/5 Receivers		ADM3311EARSZ	SMD 942-5802	5.34	3.33	– –
3471	MAX	8	SOIC	CMOS, Differential Transceiver (RS-485/RS-422) with fail-safe receiver in-put		MAX3471CUA+	SMD 972-3943	8.87	6.79	4.84
3483	MAX	8	DIL	RS485/RS422, 3.3V - Low Power Transmitter/Receiver, with slew-rate lim-ited driver		MAX3483CPA+	118-8019	8.40	6.46	4.61
3485	ADI	8	DIL	RS485/RS422, 3.3V - Low Power Transmitter/Receiver, transmits up to20Mbps		ADM3485EANZ	107-9325	3.22	2.68	2.15
3485	MAX	8	DIL	RS485/RS422, 3.3V - Low Power Transmitter/Receiver, transmits up to10Mbps		MAX3485CPA+	118-8020	8.37	6.41	4.57
3491	ADI	14	SOIC	RS485/RS422, 3.3V - Low Power Transmitter/Receiver with Shutdown Mode, transmits up to 20Mbps		ADM3491ARZ	SMD 942-5594	6.51	3.30	2.67
3695	NSC	8	SOIC	Differential Bus Transceiver (RS485/RS422)		DS3695AM	SMD 949-3409	2.75	1.95	1.42
3695	NSC	8	DIL	Differential Bus Transceiver (RS485/RS422)		DS3695N	948-7166	2.93	2.07	1.51
3696	NSC	8	DIL	Differential Bus Transceiver with line fault reporting (RS485/RS422)		DS3696N.	403-520‡	4.23	3.00	2.19
3696	NSC	8	DIL	Differential Bus Transceiver with line fault reporting (RS485/RS422)		DS3696N	948-7182	4.23	3.00	2.19
6002	TI	20	SOIC	Dual Differential Line Driver and Receiver, ±4 to ±16V, -40 to +85°CTemp. Range		THS6002IDWP	SMD 121-4370	17.30	14.87	12.82
8921	NSC	8	DIL	RS422 Differential Line Driver and Receiver Pair		DS8921N	948-8014	2.72	1.93	1.40
8922	NSC	16	DIL	RS422 Dual Differential Line Driver and Receiver Pair, common control function (Tri-state)		DS8922N	948-8022	2.95	2.09	1.52
14185	NSC	20	SOIC	RS232 Driver/Receiver, 3 Drivers/5 Receivers, (Replaces one 1488 and two 1489s)		DS14185WM	SMD 949-4243	2.98	2.11	1.54
14196	NSC	20	SOIC	RS232 Driver/Receiver, 5 Drivers/3 Receivers, (Replaces two 1488s and one 1489)		DS14196WM.	SMD 792-573‡	2.49	1.79	1.28
14196	NSC	20	SOIC	RS232 Driver/Receiver, 5 Drivers/3 Receivers, (Replaces two 1488s and one 1489)		DS14196WM	SMD 949-4235	2.17	1.52	1.08
16512	NSC	64	FBGA	Low Voltage Universal 16-bit IEEE 1149.1 Bus Transceiver with TRI-STATE Outputs		SCAN16512ASM	SMD 100-8087	14.11	10.66	8.35
65176	TI	8	SOIC	Differential Bus Transceiver		SN65176BD	SMD 958-9970	1.72	1.23	0.93
75155	TI	8	SOIC	RS232 Line Driver/Receiver		SN75155D..	SMD 594-878	2.52	2.02	1.49
75155	TI	8	SOIC	RS232 Line Driver/Receiver		SN75155D	SMD 110-3186	2.35	1.87	1.47
75155	TI	8	DIL	RS232 Line Driver/Receiver		SN75155P	110-3035	2.35	1.87	1.47
75176	NSC	8	DIL	Differential Bus Transceiver (RS485/RS422)		DS75176BN	948-7190	2.92	2.04	1.45
75176	TI	8	SOIC	Differential Bus Transceiver		SN75176AD	SMD 959-2946	1.56	1.12	0.84
75176	NSC	8	DIL	Industrial Differential Bus Transceiver (RS485/RS422)		DS75176BTN	948-7204	2.92	2.04	1.45
75176	TI	8	DIL	Differential Bus Transceiver (RS485/RS422)		SN75176AP..	403-660	2.02	1.45	1.09
75176	TI	8	DIL	Differential Bus Transceiver (RS485/RS422)		SN75176AP	110-3022	1.56	1.12	0.84
75176	TI	8	SOIC	Differential Bus Transceiver (RS485/RS422)		SN75176BD..	SMD 571-167	1.88	1.50	1.18
75176	TI	8	SOIC	Differential Bus Transceiver (RS485/RS422)		SN75176BD	SMD 110-3176	1.56	1.12	0.84
75176	TI	8	DIL	Differential Bus Transceiver (RS485/RS422), (improved SN75176AP)		SN75176BP..	403-672	1.88	1.50	1.18
75176	TI	8	DIL	Differential Bus Transceiver (RS485/RS422), (improved SN75176AP)		SN75176BP	110-6023	1.56	1.12	0.84
75179	TI	8	SOIC	Differential Driver And Receiver Pair		SN75179BD	SMD 959-2954	2.52	2.01	1.58
75179	TI	8	DIL	Differential Driver And Receiver Pair		SN75179BPE4	959-2962	2.52	2.01	1.58
145406	PS	16	SOIC	CMOS Triple RS232 Low Power Transmitter/Receiver		MC145406D	SMD 121-1743	5.51	4.41	3.31
162512	NSC	64	=96,1118	Low Voltage Universal 16-bit IEEE 1149.1 Bus Transceiver with TRI-STATE Outputs		SCAN162512ASM	SMD 100-8086	14.11	10.66	8.35
Repeaters										
75178	TI	8	DIL	Repeater for RS485/RS422 line		SN75178BP	110-6031	4.40	3.37	2.48

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

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Bus Drivers, Receivers & Transceivers

Sipex

A range of RS232/422/485 Drivers, Receivers and Transceivers from Sipex. The ICs come with varying levels of ESD and are rated for between 3.0 and 5.5V supply voltage. A wide range of options are available including Low Power and High Speed, as well as Half and Full Duplex versions.

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	Pins/Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
26	16/NSOIC	High Speed, +3.3V Quad RS-422 Differential Line Driver	SP26LV431CN-L	SMC 938-6637	8.95	7.16	5.57	– –	– –
26	16/NSOIC	High Speed, Low Power Quad RS-422 Differential Line Receiver	SP26LV432CN-L	SMC 938-6645	8.95	7.16	5.57	– –	– –
202	16/WSOIC	High-Performance RS-232 Line Drivers/Receivers, 15kV ESD	SP202ECN-L	SMC 938-6351	3.12	2.50	1.94	– –	– –
202	16/DIL	High-Performance RS-232 Line Drivers/Receivers, 15kV ESD	SP202ECP-L	938-6360	3.12	2.50	1.94	– –	– –
202	16/WSOIC	High-Performance RS-232 Line Drivers/Receivers, 15kV ESD	SP202ECT-L	SMC 938-6378	3.12	2.50	1.94	– –	– –
202	16/NSOIC	High-Performance RS-232 Line Drivers/Receivers, 15kV ESD	SP202EEN-L	SMC 938-6386	3.12	2.50	1.94	– –	– –
207	24/SSOP	+5V RS232 Transceivers 5 Driver, 3 Receiver, Enhanced ESD	SP207ECA-L	SMC 938-6394	7.70	6.16	4.79	– –	– –
207	24/SSOP	High Speed RS232 Transceivers 5 Driver, 3 Receiver, Enhanced ESD	SP207EHCA-L	SMC 938-6408	7.70	6.16	4.79	– –	– –
208	24/DIL	+5V RS232 Transceivers 4 Driver, 4 Receiver, Enhanced ESD	SP208EEP-L	938-6416	7.70	6.16	4.79	– –	– –
208	24/WSOIC	+5V RS232 Transceivers 4 Driver, 4 Receiver, Enhanced ESD	SP208EET-L	SMC 938-6424	7.70	6.16	4.79	– –	– –
211	28/SSOP	+5V RS232 Transceivers 4 Driver, 5 Receiver, Enhanced ESD, Shutdown	SP211ECA-L	SMC 938-6432	7.49	5.99	4.66	– –	– –
211	28/SSOP	+5V RS232 Transceivers 4 Driver, 5 Receiver, Enhanced ESD, Shutdown	SP211EEA-L	SMC 938-6440	7.49	5.99	4.66	– –	– –
213	28/SSOP	+5V RS232 Transceivers 4 Driver, 5 Receiver, Enhanced ESD, Shutdown	SP213ECA-L	SMC 938-6459	7.49	5.99	4.66	– –	– –
213	28/SSOP	High Speed RS232 Transceivers 4 Driver, 5 Receiver, Enhanced ESD, Shutdown.	SP213EHCA-L	SMC 938-6467	7.49	5.99	4.66	– –	– –
232	16/WSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver	SP232ACN-L	SMC 938-6475	3.12	2.50	1.94	– –	– –
232	16/DIL	+5V RS232 Transceivers 2 Driver, 2 Receiver	SP232ACP-L	938-6483	3.12	2.50	1.94	– –	– –
232	16/WSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver	SP232ACT-L	SMC 938-6491	3.12	2.50	1.94	– –	– –
232	16/WSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver	SP232AEN-L	SMC 938-6505	3.12	2.50	1.94	– –	– –
232	16/WSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver	SP232AET-L	SMC 938-6513	3.12	2.50	1.94	– –	– –
232	16/WSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver, Enhanced ESD	SP232ECN-L	SMC 938-6521	3.12	2.50	1.94	– –	– –
232	16/DIL	+5V RS232 Transceivers 2 Driver, 2 Receiver, Enhanced ESD	SP232ECP-L	938-6530	3.12	2.50	1.94	– –	– –
232	16/WSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver, Enhanced ESD	SP232ECT-L	SMC 938-6548	3.12	2.50	1.94	– –	– –
232	16/NSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver, Enhanced ESD	SP232EEN-L	SMC 938-6556	3.12	2.50	1.94	– –	– –
232	16/WSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver, Enhanced ESD	SP232EET-L	SMC 938-6564	3.12	2.50	1.94	– –	– –
233	20/DIL	RS232 Transceivers 2 Driver, 2 Receiver, No External Capacitors	SP233ACP-L	938-6572	13.32	10.66	8.29	– –	– –
233	20/SOIC	RS232 Transceivers 2 Driver, 2 Receiver, No External Capacitors	SP233ACT-L	SMC 938-6580	13.32	10.66	8.29	– –	– –
310	18/WSOIC	+5V RS232 Transceivers 2 Driver, 2 Receiver, Enhanced ESD, Shutdown	SP310EET-L	SMC 938-6726	4.37	3.50	2.72	– –	– –
319	80/MQFP	10Mbps, +5V-Only V.35 Interface with RS-232 (V.28) Control Lines	SP319CF-L	SMC 938-6734	31.26	25.01	21.10	– –	– –
322	44/LQFP	V.11/V.35 Configurable Clock/Data Transceivers with integrated termination	SP322CF-L	SMC 938-6840	28.68	22.94	19.36	– –	– –
332	28/WSOIC	RS-232/RS-485 Multi-Mode Serial Transceiver	SP332ET-L	SMC 938-7064	29.97	23.98	20.23	– –	– –
334	28/WSOIC	Multi-mode RS-232/RS-485 Configurable Serial Port Transceiver	SP334CT-L	SMC 938-7072	28.68	22.94	19.36	– –	– –
3508	100/LQFP	3.3V, 20Mbps, 8 Channel Multiprotocol Transceiver with Programmable DCE/DTE and Termination Resistors	SP3508CF-L	SMC 938-7080	107.30	85.84	72.43	– –	– –
481	8/NSOIC	Half-Duplex RS-485 Transceivers with enhanced ESD	SP481ECN-L	SMC 938-7102	5.00	4.00	3.11	– –	– –
481	8/NSOIC	Half-Duplex RS-485 Transceivers with enhanced ESD	SP481EEN-L	SMC 938-7110	5.00	4.00	3.11	– –	– –
483	8/NSOIC	Slew Limited Half-Duplex RS-485 Transceivers with enhanced ESD.	SP483ECN-L	SMC 938-7129	5.00	4.00	3.11	– –	– –
483	8/DIL	Slew Limited Half-Duplex RS-485 Transceivers with enhanced ESD.	SP483ECP-L	938-7137	5.00	4.00	3.11	– –	– –
483	8/NSOIC	Slew Limited Half-Duplex RS-485 Transceivers with enhanced ESD.	SP483EEN-L	SMC 938-7145	5.00	4.00	3.11	– –	– –
485	8/NSOIC	Half-Duplex RS-485 Transceivers with enhanced ESD	SP485ECN-L	SMC 938-7153	3.75	3.00	2.33	– –	– –
485	8/DIL	Half-Duplex RS-485 Transceivers with enhanced ESD	SP485ECP-L	938-7161	3.75	3.00	2.33	– –	– –
485	8/NSOIC	Half-Duplex RS-485 Transceivers with enhanced ESD	SP485EEN-L	SMC 938-7170	3.75	3.00	2.33	– –	– –
485	8/DIL	Half-Duplex RS-485 Transceivers with enhanced ESD	SP485EEP-L	938-7188	3.75	3.00	2.33	– –	– –
485	8/NSOIC	High Temperature, Half-Duplex RS-485 Transceivers with enhanced ESD	SP485EMN-L	SMC 938-7196	3.75	3.00	2.33	– –	– –
485	8/NSOIC	High-Fanout RS-485 Transceiver.	SP485RCN-L	SMC 938-7200	3.75	3.00	2.33	– –	– –
485	8/NSOIC	High-Fanout RS-485 Transceiver.	SP485REN-L	SMC 938-7218	3.75	3.00	2.33	– –	– –
490	8/SOIC	Full Duplex RS-485 Transceivers with enhanced ESD	SP490ECN-L	938-7226	5.00	4.00	3.11	– –	– –
490	8/NSOIC	Full Duplex RS-485 Transceivers with enhanced ESD	SP490EEN-L	SMC 938-7234	5.00	4.00	3.11	– –	– –
491	14/NSOIC	Full Duplex RS-485 Transceivers with enhanced ESD	SP491ECN-L	SMC 938-7242	5.00	4.00	3.11	– –	– –
495	20/WSOIC	Quad 10Mbps RS-485 Transceivers, SCSI pinout	SP495CT-L	SMC 938-7250	24.98	19.98	16.86	– –	– –
504	80/MQFP	7-Driver/7-Receiver Multiprotocol Serial Transceiver	SP504MCF-L	SMC 938-7269	74.00	59.20	49.95	– –	– –
508	100/LQFP	20Mbps, Single-Chip Multi-Protocol DCE/DTE with integraged V.11 and V.35 termination, 15kV ESD	SP508CF-L	SMC 938-7277	92.50	74.00	62.44	– –	– –
526	44/MQFP	4-Driver/4-Receiver Multi-Mode Serial Transceiver for Control and Handshake signals	SP526CF-L	SMC 938-8923	37.00	29.60	24.98	– –	– –
1485	8/NSOIC	High Speed Half-Duplex RS-485 Transceiver, 15kV ESD	SP1485ECN-L	SMC 938-6319	3.95	3.16	2.46	– –	– –
1490	8/NSOIC	High Speed Full-Duplex RS-485 Transceiver, 15kV ESD.	SP1490ECN-L	SMC 938-6335	9.99	7.99	6.22	– –	– –
1491	14/NSOIC	High Speed Full-Duplex RS-485 Transceiver, 15kV ESD.	SP1491ECN-L	SMC 938-6343	9.99	7.99	6.22	– –	– –
2233	20/SOIC	RS232 Transceivers 2 Driver, 2 Receiver, No External Capacitors	SP233ECT-L	SMC 938-6599	13.32	10.66	8.29	– –	– –
3070	14/NSOIC	3V RS485 Full Duplex Transceiver, 15kV ESD, 1/8th Load, Slew Limited	SP3070EEN-L	SMC 938-6653	6.24	5.00	3.88	– –	– –
3071	8/NSOIC	3V RS485 Full Duplex Transceiver, 15kV ESD, 1/8th Load, Slew Limited	SP3071EEN-L	SMC 938-6661	6.24	5.00	3.88	– –	– –
3072	8/NSOIC	3V RS485 Half Duplex Transceiver, 15kV ESD, 1/8th Load, Slew Limited.	SP3072EEN-L	SMC 938-6670	6.24	5.00	3.88	– –	– –
3075	8/NSOIC	3V RS485 Half Duplex Transceiver, 15kV ESD, 1/8th Load, Reduced EMI	SP3075EEN-L	SMC 938-6688	6.24	5.00	3.88	– –	– –
3076	14/NSOIC	3V RS485 Full Duplex Transceiver, 15kV ESD, 1/8th Load, High Speed	SP3076EEN-L	SMC 938-6696	6.24	5.00	3.88	– –	– –
3077	8/NSOIC	3V RS485 Full Duplex Transceiver, 15kV ESD, 1/8th Load, High Speed	SP3077EEN-L	SMC 938-6700	6.24	5.00	3.88	– –	– –
3078	8/NSOIC	3V RS485 Half Duplex Transceiver, 15kV ESD, 1/8th Load, High Speed.	SP3078EEN-L	SMC 938-6718	6.24	5.00	3.88	– –	– –
3203	20/TSSOP	1.8V Interface, RS-232 Transceivers with 15kV ESD Protection	SP3203ECY-L	SMC 938-6742	8.12	6.49	5.05	– –	– –
3220	16/SSOP	High Speed +3.0V to +5.5V RS-232 Driver/Receiver Pair	SP3220EBCA-L	SMC 938-6750	5.62	4.50	3.50	– –	– –
3220	16/TSSOP	High Speed +3.0V to +5.5V RS-232 Driver/Receiver Pair	SP3220EBCY-L	SMC 938-6769	5.62	4.50	3.50	– –	– –
3220	16/SSOP	High Speed +3.0V to +5.5V RS-232 Driver/Receiver Pair	SP3220EBEA-L	SMC 938-6777	5.62	4.50	3.50	– –	– –
3222	20/SSOP	Low power +3.0V to +5.5V RS-232 Transceivers with Tristate	SP3222ECA-L	SMC 938-6785	5.62	4.50	3.50	– –	– –
3222	20/TSSOP	Low power +3.0V to +5.5V RS-232 Transceivers with Tristate	SP3222ECY-L	SMC 938-6793	5.62	4.50	3.50	– –	– –
3222	20/SSOP	Low power +3.0V to +5.5V RS-232 Transceivers with Tristate	SP3222EEA-L	SMC 938-6807	5.62	4.50	3.50	– –	– –
3223	20/SSOP	Auto On-Line +3.0V to +5.5V RS-232 Transceivers.	SP3223ECA-L	SMC 938-6815	5.62	4.50	3.50	– –	– –
3223	20/SSOP	Auto On-Line +3.0V to +5.5V RS-232 Transceivers.	SP3223EEA-L	SMC 938-6823	5.62	4.50	3.50	– –	– –
3223	20/TSSOP	Auto On-Line +3.0V to +5.5V RS-232 Transceivers.	SP3223EEY-L	SMC 938-6831	5.62	4.50	3.50	– –	– –
3232	16/SSOP	+3.0V to +5.5V RS-232 Transceivers	SP3232EBCA-L	SMC 938-6858	5.62	4.50	3.50	– –	– –
3232	16/NSOIC	+3.0V to +5.5V RS-232 Transceivers	SP3232EBCN-L	SMC 938-6866	5.62	4.50	3.50	– –	– –
3232	16/TSSOP	+3.0V to +5.5V RS-232 Transceivers	SP3232EBCY-L	SMC 938-6874	5.62	4.50	3.50	– –	– –
3232	16/SSOP	+3.0V to +5.5V RS-232 Transceivers	SP3232ECA-L	SMC 938-6882	5.62	4.50	3.50	– –	– –
3232	16/NSOIC	+3.0V to +5.5V RS-232 Transceivers	SP3232ECN-L	SMC 938-6890	5.62	4.50	3.50	– –	– –
3232	16/DIL	+3.0V to +5.5V RS-232 Transceivers	SP3232ECP-L	938-6904	5.62	4.50	3.50	– –	– –
3232	16/WSOIC	+3.0V to +5.5V RS-232 Transceivers	SP3232ECT-L	SMC 938-6912	5.62	4.50	3.50	– –	– –
3232	16/TSSOP	+3.0V to +5.5V RS-232 Transceivers	SP3232ECY-L	SMC 938-6920	5.62	4.50	3.50	– –	– –
3232	16/SSOP	+3.0V to +5.5V RS-232 Transceivers	SP3232EEA-L	SMC 938-6939	5.62	4.50	3.50	– –	– –
3232	16/TSSOP	+3.0V to +5.5V RS-232 Transceivers	SP3232EEY-L	SMC 938-6947	5.62	4.50	3.50	– –	– –
3232	16/NSOIC	1Mbps +3.0V to +5.5V RS-232 Transceivers	SP3232EUCN-L	SMC 938-6955	5.62	4.50	3.50	– –	– –
3232	16/DIL	1Mbps +3.0V to +5.5V RS-232 Transceivers	SP3232EUCP-L	938-6963	5.62	4.50	3.50	– –	– –
3238	28/SSOP	Auto On-Line +3.0V to +5.5V RS-232 Transceivers 5-Driver/3-Receiver	SP3238ECA-L	SMC 938-6971	8.53	6.83	5.31	– –	– –
3238	28/SSOP	Auto On-Line +3.0V to +5.5V RS-232 Transceivers 5-Driver/3-Receiver	SP3238EEA-L	SMC 938-6980	7.70	6.16	4.79	– –	– –
3239	28/SSOP	Intelligent +3.0V to +5.5V RS-232 Transceivers 5-Driver/3-Receiver	SP3239ECA-L	SMC 938-6998	7.70	6.16	4.79	– –	– –
3239	28/SSOP	Intelligent +3.0V to +5.5V RS-232 Transceivers 5-Driver/3-Receiver	SP3239EEA-L	SMC 938-7005	7.70	6.16	4.79	– –	– –
3243	28/SSOP	Auto On-Line +3.0V to +5.5V RS-232 Transceivers 3-Driver/5-Receiver	SP3243EBCA-L	SMC 938-7013	8.12	6.49	5.05	– –	– –
3243	28/SSOP	Auto On-Line +3.0V to +5.5V RS-232 Transceivers 3-Driver/5-Receiver	SP3243EEA-L	SMC 938-7021	8.12	6.49	5.05	– –	– –
3243	28/WSOIC	Auto On-Line +3.0V to +5.5V RS-232 Transceivers 3-Driver/5-Receiver	SP3243EET-L	SMC 938-7030	8.12	6.49	5.05	– –	– –
3243	28/SSOP	1 Mbps Auto On-Line +3.0V to +5.5V RS-232 Transceivers 3-Driver/5-Receiver	SP3243EUCA-L	SMC 938-7048	8.12	6.49	5.05	– –	– –
3282	28/TSSOP	1.8V to 5.5V Interface Auto On-Line RS-232 Transceivers with Enhanced ESD	SP3282EBEY-L	SMC 938-7056	8.74	6.99	5.44	– –	– –
5301	14/NSOIC	Universal Serial Bus FS/LS Transceiver	SP5301CN-L	SMC 938-8931	3.54	2.83	2.20	– –	– –
5301	14/TSSOP	Universal Serial Bus FS/LS Transceiver	SP5301CY-L	SMC 938-8915	3.54	2.83	2.20	– –	– –

● Compliant
Non-compliant
++ Limited stock - RoHS replacement available

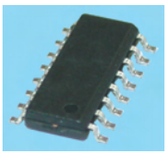
RoHS

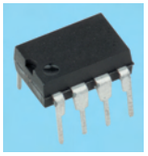
C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1540 Date: 22-08-06 time: 02:26

Digital Magnetic Isolators

NVE CORPORATION





NVE's family of high-speed digital isolators are CMOS devices created by Integrating active circuitry and the GMR-based and patented IsoLoop® technology.
The symmetric magnetic coupling barrier provides a typical propagation delay of only 10 ns and a pulse width distortion of 2 ns achieving an excellent specification for an isolator device. Typical transient immunity is 30 kV/μs. These are ideally suited for isolating applications such as PROFIBUS, RS-485, RS422 and other multiple Data Point Transmission applications.

339722

	Pins/package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
422	16 / SOIC	Isolated RS422/RS485 Interface	IL422E	SMD 957-0683	22.85	20.77	16.32
485	16 / SOIC	Isolated RS485 Interface	IL485E	SMD 957-0667	22.26	20.18	15.90
485	16 / SOIC	Isolated RS485 Interface with Handshake	IL485WE	SMD 957-0675	23.50	21.35	16.79
710	8 / DIL	5V/3.3V High Speed Digital Magnetic Isolator	IL710-2E	957-0560	8.98	8.17	6.42
711	8 / DIL	5V/3.3V High Speed Dual(x2 Tx) Digital Isolator	IL711-2E	957-0578	15.30	13.87	10.93
712	8 / DIL	5V/3.3V High Speed Dual(1Tx, 1Rx) Digital Isolator	IL712-2E	957-0586	15.30	13.87	10.93
711	8 / SOIC	5V/3.3V High Speed Dual(x2 Tx) Digital Isolator	IL711-3E	SMD 957-0594	15.30	13.87	10.93
712	8 / SOIC	5V/3.3V High Speed Dual(1Tx, 1Rx) Digital Isolator	IL712-3E	SMD 957-0608	15.30	13.87	10.93
715	16 / SOIC	5V/3.3V High Speed Four Channel(4 x Tx) Digital Magnetic Isolator SOIC 0.3"	IL715E	SMD 957-0616	19.73	17.90	14.09
716	16 / SOIC	5V/3.3V High Speed Four Channel(2Tx, 2Rx) Digital Magnetic Isolator SOIC 0.3"	IL716E	SMD 957-0624	19.73	17.90	14.09
715	16 / SOIC	5V/3.3V High Speed Four Channel(4 x Tx) Digital Magnetic Isolator SOIC 0.15"	IL715-3E	SMD 957-0632	19.73	17.90	14.09
716	16 / SOIC	5V/3.3V High Speed Four Channel(2Tx, 2Rx) Digital Magnetic Isolator SOIC 0.15"	IL716-3E	SMD 957-0640	19.73	17.90	14.09
717	16 / SOIC	5V/3.3V High Speed Four Channel(3Tx , 1Rx) Digital Magnetic Isolator SOIC 0.15"	IL717-3E	SMD 957-0659	19.73	17.90	14.09

Digital Isolators

NEW

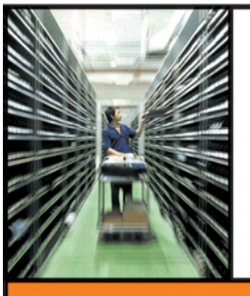
ANALOG DEVICES

The ADuM120x are dual-channel digital isolators. They are based on Analog Devices iCoupler® technology, and combine high speed CMOS and monolithic transformer technology. The iCoupler devices remove the design difficulties associated with optocouplers by avoiding the use of LEDs and photodiodes. These Digital Isolators provide two independant channels in a variety of configuations and data rates. Supply voltage ranges from 2.7V to 5.5V.

Device	Max Data Rate (Mbps)	Max Propogation Delay (ns)	Max Pulse-Width Distortion (ns)	Isolation Voltage (kV rms)
ADUM1200ARZ	1	100	40	2.5
ADUM1200BRZ	10	50	3	2.5
ADUM1200CRZ	25	45	3	2.5
ADUM1201ARZ	1	100	40	2.5
ADUM1201BRZ	10	50	3	2.5
ADUM1201CRZ	25	45	3	2.5
ADUM1210BRZ	10	50	3	2.5
ADUM2402ARWZ	90	100	40	5
ADUM2402BRWZ	90	50	3	5
ADUM2402CRWZ	90	32	2	5
ADUM2401BRWZ	90	100	40	5
ADUM2401ARWZ	90	50	3	5
ADUM2401CRWZ	90	32	2	5
ADUM2400ARWZ	90	100	40	5
ADUM2400BRWZ	90	50	3	5
ADUM2400CRWZ	90	32	2	5

422971

Mftrs. List No.	Pins	Pkg	Order Code	Price Each 1+	25+	100+
ADUM1200ARZ	8	SOIC	SMD 107-8204	3.73	3.11	2.48
ADUM1200BRZ	8	SOIC	SMD 107-8205	4.77	3.81	3.54
ADUM1200CRZ	8	SOIC	SMD 107-8206	7.51	6.26	5.00
ADUM1201ARZ	8	SOIC	SMD 107-8200	3.73	3.11	2.48
ADUM1201BRZ	8	SOIC	SMD 107-8201	4.77	3.81	3.54
ADUM1201CRZ	8	SOIC	SMD 107-8202	7.51	6.26	5.00
ADUM1210BRZ	8	SOIC	SMD 111-7115	7.26	5.92	5.44
ADUM2402ARWZ	16	SOIC	SMD 111-7108	4.79	3.99	3.19
ADUM2402BRWZ	16	SOIC	SMD 111-7107	6.93	5.78	4.62
ADUM2402CRWZ	16	SOIC	SMD 111-7106	24.48	20.02	18.36
ADUM2401BRWZ	16	SOIC	SMD 111-7110	18.98	15.53	14.22
ADUM2401ARWZ	16	SOIC	SMD 111-7111	13.12	10.74	9.83
ADUM2401CRWZ	16	SOIC	SMD 111-7109	24.48	20.02	18.36
ADUM2400ARWZ	16	SOIC	SMD 111-7114	13.12	10.74	9.83
ADUM2400BRWZ	16	SOIC	SMD 111-7113	18.98	15.53	14.22
ADUM2400CRWZ	16	SOIC	SMD 111-7112	24.48	20.02	18.36



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- FREE to all account holders
- Notification of obsolete, end of line and end of stock items
- Replacement or upgrade recommendations

Advanced warning of obsolete components

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Motor Drive Modules & Boards

210442

Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
06 IR	23	DIP MODULE	Plug N Drive Integrated Power Module for Appliance Motor Drive	IRAMS06UP60A-2	108-0649●	48.45	33.81	25.81	22.82	– –
06 IR	23	DIP MODULE	Plug N Drive Integrated Power Module for Appliance Motor Drive	IRAMS06UP60B-2	108-0650●	50.75	40.59	31.25	– –	– –
10 IR	23	DIP MODULE	Integrated Power Hybrid IC for Appliance Motor Drive Applications	IRAMS10UP60B-2	108-0651●	55.84	38.97	29.75	26.30	– –
16 IR	23	DIP MODULE	Integrated Power Hybrid IC for Appliance Motor Drive Applications	IRAMX16UP60B-2	108-0652●	76.93	55.07	42.84	37.88	– –
20 IR	23	DIP MODULE	Plug N Drive Integrated Power Module for Appliance Motor Drive	IRAMX20UP60A-2	108-0653●	71.82	52.40	39.99	35.36	– –
200 ST	18	DIL	2.5A Chopped Bipolar Stepper Motor Driver with fully protected outputs	GSD200S.	407-513	144.72	123.01	108.54	– –	– –
3101 IR	11	SIL MODULE	Half-Bridge FredFET and Integrated Driver	IR3101	108-0646●	11.94	8.56	6.53	5.62	– –
3103 IR	11	SIL MODULE	Half-Bridge FredFET and Integrated Driver	IR3103	108-0648●	10.17	7.29	5.57	4.79	– –

Motion Control ICs

Motion Control ICs

AVAGO TECHNOLOGIES

The HCTL1100 is a high performance, general purpose motion control IC which frees the host processor for other tasks by performing all the time-intensive functions of digital motion control. The programmability of all control parameters provides maximum flexibility and quick design of control systems with a minimum number of components.

The HCTL2000 quadrature decoder/counter IC family provides a one-chip, easy to implement solution to interfacing the quadrature output of an encoder or digital potentiometer to a microprocessor system.

210440

Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
1100 40/DIL	General Purpose Motion Control IC	HCTL-1100	407-460	88.20	78.29	67.69
2016 16/DIL	Quadrature Decoder/Counter Interface IC. 16-bit counter.	HCTL-2017	121-9754●	50.71	43.84	35.54
2016 20/PLCC	Quadrature Decoder/Counter Interface IC. 16-bit counter.	HCTL-2017#PLC	SMD 121-8033●	53.58	47.10	41.11
2020 20/DIL	Quadrature Decoder/Counter Interface IC. 16-bit counter. Quadrature decoder and cascade output signals	HCTL-2021	121-9755●	51.75	49.67	41.01
2020 20/DIL	Quadrature Decoder/Counter Interface IC. 16-bit counter. Quadrature decoder and cascade output signals	HCTL-2021#PLC	121-9756●	62.33	54.85	47.82

Motor Drive & Triac Control Circuits

210441

Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
101 BB	7	TO-220	PWM Solenoid/Valve driver	DRV101T.	112-689‡	15.05	11.52	9.54	8.51	– –
101 BB	7	TO-220	PWM Solenoid/Valve driver	DRV101T	109-7420●	15.05	11.52	9.54	8.51	– –
102 BB	7	TO-220	PWM Solenoid/Valve driver. (IND TEMP)	DRV102T.	316-1626‡	15.23	11.66	9.66	8.61	– –
102 BB	7	TO-220	PWM Solenoid/Valve driver. (IND TEMP)	DRV102T	109-7454	15.05	11.52	9.54	8.51	– –
211 ATM	18	DIL	Phase-Control with Overload Limitation for Tach Applications	U211B-MY	109-5805●	5.05	3.68	2.90	– –	– –
292 ST	15	Multiwatt	2A, 36V Switched Mode Driver for DC Motors	L292.	407-550▲	17.62	14.32	12.29	9.19	– –
292 ST	15	Multiwatt	2A, 36V Switched Mode Driver for DC Motors	L292	109-4206●	18.11	14.73	12.64	9.45	– –
293 ST	16	DIL	Push-Pull Four Channel Driver With Diodes. 36V, 600mA. TTL Input.	L293D	323-6079▲	10.29	8.36	7.25	5.37	– –
293 ST	16	DIL	Push-Pull Four Channel Driver With Diodes. 36V, 600mA. TTL Input.	E-L293D	115-9684●	10.50	8.54	7.40	5.48	– –
293 TI	16	DIL	Quadruple Half-H Driver	L293DNEE4	958-9619●	4.98	3.81	2.91	2.56	– –
293 UNI	16	DIL	Push-Pull Four Channel Driver - 2A output, 36V supply	L293N	110-1460●	14.86	11.37	9.42	8.40	– –
293 TI	16	DIL	Push-Pull Four Channel Driver - 2A output, 36V supply	L293NEE4	121-0964●	5.37	4.11	3.14	2.76	– –
295 ST	15	Multiwatt	Dual Switch Mode Solenoid Driver.	L295.	787-255▲	9.92	7.93	6.61	– –	– –
297 ST	20	DIL	Stepper Motor Controller - drives bi-phase and quad-phase motors.	L297/1.	407-562▲	22.21	18.05	15.50	11.59	– –
297 ST	20	DIL	Stepper Motor Controller - drives bi-phase and quad-phase motors.	L297/1	109-4209●	22.21	18.05	15.50	11.59	– –
628 NSC	28	DIL	Precision Motion Controller - 6MHz. 8 or 12-bit DAC output data	LM628N6	119-7394●	48.30	41.94	38.22	– –	– –
629 NSC	24	SOIC	Motion control processor with 8-bit PWM output data, 6MHz.	LM629M-6	SMD 949-0000●	48.30	41.94	38.22	– –	– –
629 NSC	24	SOIC	Motion control processor with 8-bit PWM output data, 8MHz.	LM629M-8	SMD 948-9991●	80.08	71.34	66.25	– –	– –
629 NSC	28	DIL	Precision Motion Controller - 6MHz. 8-bit sign-magnitude PWM output data	LM629N6	119-7395●	48.30	41.94	38.22	– –	– –
1815 NSC	14	DIL	Adaptive sense Amp. for motor control applications	LM1815N.	704-519‡	6.84	5.16	3.87	– –	– –
1815 NSC	14	DIL	Adaptive sense Amp. for motor control applications	LM1815N	949-3913●	6.84	5.16	3.87	– –	– –
2008 ATM	8	DIL	Full-Wave Current Sensing, Phase-Control with Soft Start	U2008B-MY	109-5804●	3.58	2.60	2.05	– –	– –
2016 ON	8	DIL	Zero Voltage Controller to drive triacs with proportional regulation over ±1°C band	UAA2016PG	119-2087●	3.35	2.77	2.31	1.89	– –
2637 TI	18	PDIP	DC Motor Controller	UC2637NG4	120-7367●	13.88	10.62	8.80	7.85	– –
2916 ALEG	24	DIL	Dual Full-Bridge Stepper Motor Controller/Driver	UDN2916B	403-325	21.39	13.08	10.00	– –	– –
2916 ALEG	24	DIL	Dual Full-Bridge Stepper Motor Controller/Driver	UDN2916B-T	119-3494●	21.39	13.08	10.00	– –	– –
3479 ON	16	DIL	Stepper Motor Drive Circuit. Provides up to 500mA of drive per coil for two phase 6V to 24V stepper motors	MC3479PG	966-5358●	9.58	8.49	7.40	7.09	– –
3625 TI	28	PLCC	DC Motor Controller	UC3625Q	SMD 121-2377●	16.32	14.02	12.10	10.88	– –
3625 TI	28	PLCC	DC Motor Controller	UC3625Q.	SMD 846-2291	17.27	14.84	12.80	11.51	– –
3625 UNI	28	DIL	Brushless DC Motor Controller	UC3625N	563-663	16.32	14.02	12.10	10.88	– –
3637 TI	20	SOIC	DC Motor Controller	UC3637DW	SMD 121-2378●	12.51	9.57	7.93	7.07	– –
3637 TI	20	SOIC	DC Motor Controller	UC3637DW.	SMD 846-2305	12.94	9.90	8.20	7.31	– –
3637 UNI	18	DIL	Switched Mode Controller for DC Motor Drive	UC3637N	110-1443●	12.51	9.57	7.93	7.07	– –
3638 TI	20	PDIP	DC Motor Controller	UC3638NG4	120-7380●	12.90	9.87	8.18	7.29	– –
3638 TI	20	SOIC	DC Motor Controller	UC3638DWG4	SMD 120-7379●	12.90	9.87	8.18	7.29	– –
3717 TI	16	PDIP	Stepper Motor Driver.	UC3717ANG4	120-7383●	12.90	9.87	8.18	7.29	– –
3717 ST	16	DIL	Stepper Motor Drive Circuit	PBL3717A.	407-690▲	4.99	4.06	3.52	2.60	– –
3717 ST	16	DIL	Stepper Motor Drive Circuit	E-PBL3717A	115-9695●	5.13	4.17	3.61	2.68	– –
3717 ST	16	DIL	Stepper Motor Drive Circuit	TEA3717DP	407-689▲	6.14	4.99	4.32	3.20	– –
3717 ST	16	DIL	Stepper Motor Drive Circuit	E-TEA3717DP	121-8318●	4.59	3.91	3.58	3.06	– –
3718 ST	16	DIL	Stepper Motor Drive Circuit - Thermal Protection	TEA3718DP	407-707▲	6.14	4.99	4.32	3.20	– –
3718 ST	16	DIL	Stepper Motor Drive Circuit - Thermal Protection	E-TEA3718DP	115-9696●	6.14	4.99	4.32	3.20	– –
3770 TI	16	PDIP	Stepper Motor Driver.	UC3770ANG4	120-7384●	10.86	8.31	6.35	5.58	– –

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RoHS

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3953	ALEG	16	DIL	Full-Bridge Driver - 1.3A output, 50V supply	A3953SB	703-606	13.47	10.56	8.58	7.90	– –
3953	ALEG	16	DIL	Full-Bridge Driver - 1.3A output, 50V supply	A3953SB-T	119-3497	9.93	8.30	7.00	5.86	– –
3955	ALEG	16	DIL	Full-Bridge PWM Micro-stepping Motor Driver, ±1.5A, 50V	A3955SB-T	119-3488	18.36	11.58	9.54	– –	– –
3966	ALEG	16	SOIC	Dual Full-Bridge Stepper Motor Driver, ±650mA, 30V	A3966SLB-T	SMD 114-1952	11.91	7.41	6.12	– –	– –
4020	INTS	20	SOIC	Full-Bridge Driver - 0.5A output, 3V to 12V supply	HIP4020IB	SMD 795-458	9.64	8.87	7.98	6.96	– –
4020	INTS	20	SOIC	Full-Bridge Driver - 0.5A output, 3V to 12V supply	HIP4020IBZ	SMD 121-6128	9.93	9.14	8.22	7.17	– –
4086	INTS	24	DIL	0.5A, 80V Three Phase Driver	HIP4086AP	795-460▲‡	16.67	15.34	13.67	12.04	– –
4086	INTS	24	DIL	0.5A, 80V Three Phase Driver	HIP4086APZ	966-4203	14.50	13.95	12.78	12.04	– –
6202	ST	18	DIL	0.3 DMOS Full-Bridge Driver, 1.5A RMS at motor supply voltages up to 48V	E-L6202	115-9693	18.50	15.04	12.91	9.65	– –
6203	ST	11	Multiwatt	0.3 DMOS Full-Bridge Driver. Can deliver 4A RMS at motor supply voltages up to 48V	E-L6203	115-9694	22.64	18.41	15.80	11.81	– –
6219	ST	24	DIL	Stepper Motor Drive Circuit	E-L6219	115-9699	9.10	7.40	6.41	4.75	– –
6234	ST	20	DIL	Triple Half-Bridge For Three Phase Brushless Motor Control. 3V to 52V, 5Amp peak. TTL, CMOS, μP	L6234	109-4225	24.78	20.14	17.29	12.93	– –
6506	ST	18	DIL	Current Controller For Stepper Motors	L6506.	323-6031▲	7.11	5.78	5.01	3.71	– –
6506	ST	18	DIL	Current Controller For Stepper Motors	L6506	109-4230	7.11	5.78	5.01	3.71	– –
7232	LSI	8	DIL	Touch Control Dimmer Switch and A.C. Motor Speed Controller	LS7232	121-9012	10.21	8.66	7.80	– –	– –
18200	NSC	11	SIL	3A, 55V DMOS H-Bridge. Uses internal current sense	LMD18200T	948-8030	22.90	18.77	16.19	– –	– –
18201	NSC	11	SIL	3A, 55V H-Bridge, allows for current sensing via a resistor	LMD18201T	949-4278	23.15	20.67	18.67	– –	– –
18245	NSC	15	TO-220	3A, 55V DMOS Full-Bridge Motor Driver	LMD18245T	949-3786	25.54	20.93	18.06	– –	– –
33033	ON	20	DIL	Brushless DC Motor Controller	MC33033PG	119-2086	10.32	7.90	6.03	5.31	– –
33035	ON	24	DIL	Brushless DC Motor Controller, for Open Loop Control.	MC33035PG	119-2056	14.65	13.12	10.51	– –	– –
33039	ON	8	SOIC	Closed Loop Brushless Motor Adapter. (IND TEMP)	MC33039DG	SMD 121-1112	7.19	4.04	3.12	– –	– –

Power Drivers

210444

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
98	ST	20	SOIC	Quad Low Side Solenoid Driver	L98SI.	SMD 113-1995	12.82	10.26	8.55	– –	– –
98	ST	20	SOIC	Quad Low Side Solenoid Driver	L98SI..	SMD 323-7059▲	12.82	10.26	8.55	– –	– –
293	TI	16	DIL	Quadruple Half-H Driver	L293DNEE4	958-9619	4.98	3.81	2.91	2.56	– –
310	ST	16	SOIC	Triple MOSFET/IGBT Driver. (IND TEMP)	TD310ID	SMD 121-8309	4.30	3.65	3.35	– –	– –
330	ST	10	PowerSOIC	Quad High Side Smart Power Solid State Relay	VN330SP-E	SMD 107-7244	12.43	9.94	8.29	– –	– –
340	ST	10	PowerSOIC	Quad High Side Smart Power Solid State Relay	VN340SP-E	SMD 107-7245	12.49	9.99	8.32	– –	– –
426	MCHIP	8	DIL	MOSFET Driver, 1.5A Dual High Speed inverting	TC426CPA	119-6815	2.07	1.67	1.53	– –	– –
628	MAX	8	SOIC	Dual MOSFET Driver	MAX628CSA+	SMD 118-8050	9.40	6.76	4.87	– –	– –
770	ST	28	SOIC	Quad, Solid State relay for complete H-Bridge configurations	VN770K-E	SMD 120-2823	8.26	6.61	5.51	– –	– –
808	ST	36	PowerSOIC	Octal Channel High Side Driver	VN808-E	SMD 107-7246	15.96	12.77	10.64	– –	– –
860	ST	20	SOIC	Quad Channel High Side Driver	VNQ860-E	SMD 107-7248	9.96	8.66	6.44	4.98	– –
860	ST	10	PowerSOIC	Quad Channel High Side Driver	VNQ860SP-E	SMD 107-7249	10.94	9.50	7.06	5.44	– –
890	MAX	8	SOIC	1A Current Limited, High-Side P-Channel Switch with Thermal Shutdown. (IND TEMP)	MAX890LESA	SMD 305-1572▲‡	6.13	4.41	3.18	– –	– –
890	MAX	8	SOIC	1A Current Limited, High-Side P-Channel Switch with Thermal Shutdown. (IND TEMP)	MAX890LESA+	SMD 972-4591	6.13	4.41	3.18	– –	– –
891	MAX	8	SOIC	0.5mA Current Limited, High-Side P-Channel Switch, with ThermalShutdown	MAX891LEUA+	SMD 972-3749	6.55	4.71	3.39	– –	– –
1614	MAX	8	SOIC	High-side, N-channel MOSFET Switch driver.	MAX1614EUA	SMD 355-7571▲‡	9.49	6.82	4.92	– –	– –
1614	MAX	8	SOIC	High-side, N-channel MOSFET Switch driver.	MAX1614EUA+	SMD 972-5083	10.95	7.87	5.67	– –	– –
2011	IR	8	SOIC	Input logicHIN/LIN active high	IR2011SPBF	SMD 821-0799	8.30	5.08	4.30	– –	– –
2100	INTS	8	SOIC	Half-Bridge 2A, 100V DC MOSFET Driver	HIP2100IBZ	SMD 966-4190	5.68	5.46	5.00	4.71	– –
2101	IR	8	DIL	Non Inverting Inputs	IR2101PBF	863-8713	5.84	4.19	3.21	2.75	– –
2101	IR	8	SOIC	Non Inverting Inputs	IR2101SPBF	SMD 863-8721	6.47	4.64	3.54	3.05	– –
2102	IR	8	DIL	High & Low Side Driver, Inverting Inputs	IR2102PBF	102-3201	5.73	4.11	3.14	2.70	– –
2103	IR	8	SOIC	520nS Deadtime/Inverting Low Side Input	IR2103SPBF	SMD 863-8730	6.47	4.64	3.54	3.05	– –
2103	IR	8	DIL	520nS Deadtime/Inverting Low Side Input	IR2103PBF	863-9590	5.84	4.19	3.21	2.75	– –
2104	IR	8	DIL	520nS Deadtime/Inverting Shutdown pin	IR2104PBF	863-8748	5.84	4.19	3.21	2.75	– –
2104	IR	8	SOIC	520nS Deadtime/Inverting Shutdown pin	IR2104SPBF	SMD 863-8756	6.47	4.64	3.54	3.05	– –
2105	IR	8	SOIC	520nS Deadtime/All High Volt pin on One Side	IR2105SPBF	SMD 863-8764	6.47	4.64	3.54	3.05	– –
2106	IR	8	DIL	Non Inverting Inputs/Soft Turn On	IR2106PBF	863-8780	6.43	4.61	3.52	3.03	– –
2106	IR	8	SOIC	Non Inverting Inputs/Soft Turn On	IR2106SPBF	SMD 863-8799	6.58	4.72	3.60	3.10	– –
2108	IR	8	DIL	Half Bridge Driver, Soft Turn-On, Fixed 500ns Deadtime	IR2108PBF	102-3205	6.30	4.52	3.45	2.97	– –
2108	IR	8	SOIC	500nS Deadtime/Sot Turn On Hi And Lo Inputs	IR2108SPBF	SMD 863-8802	6.58	4.72	3.60	3.10	– –
2109	IR	8	DIL	Half Bridge Driver, Soft Turn-On, Single Input Plus Shut-Down, Fixed 500ns Deadtime	IR2109PBF	102-3207	6.30	4.52	3.45	2.97	– –
2109	IR	8	SOIC	500nS Deadtime/Soft Turn On Single Input + Shutdown	IR2109SPBF	SMD 863-8829	6.58	4.72	3.60	3.10	– –
2110	IR	14	DIL	One Side Hi Volt/Separate Logic & Power Ground	IR2110PBF	863-8837	9.50	6.81	5.21	4.47	– –
2110	IR	16	SOIC	One Side Hi Volt/Separate Logic & Power Ground	IR2110SPBF	SMD 863-8845	10.22	7.34	5.61	4.82	– –
2111	IR	8	SOIC	650nS Deadtime	IR2111SPBF	SMD 863-8861	6.87	4.93	3.76	3.23	– –
2112	IR	16	SOIC	Shutdown Input	IR2112SPBF	SMD 863-8870	7.35	5.28	4.03	3.46	– –
2113	IR	16	SOIC	One Side Hi Volt/Separate Logic & Power Ground	IR2113SPBF	SMD 863-8888	11.25	8.07	6.17	5.30	– –
2117	IR	8	SOIC	Non Inverting Input	IR2117SPBF	SMD 863-8896	6.08	4.37	3.34	2.87	– –
2118	IR	8	SOIC	Single High Side Driver, Inverting Input	IR2118SPBF	SMD 102-3208	5.97	4.28	3.27	2.81	– –
2125	IR	16	SOIC	Single High Side Driver, Current Limiting, Programmable Shut-down Error Pin	IR2125SPBF	SMD 102-3209	11.45	8.22	6.27	5.40	– –
2127	IR	8	SOIC	Non Inverting Input/Current Sensing & Shutdown	IR2127SPBF	SMD 863-8918	9.26	6.64	5.08	4.36	– –
2131	IR	28	SOIC	3 Phase Driver, Inverting Input, Independent High and Low Side, 700ns Deadtime	IR2131SPBF	SMD 102-3211	27.21	19.51	14.77	12.82	– –
2132	IR	44	PLCC	3 Phase Driver, Inverting Input, 0.8us Deadtime	IR2132JPBF	SMD 102-3212	27.21	19.51	14.77	12.82	– –
2132	IR	28	SOIC	0.8uS Deadtime	IR2132SPBF	SMD 863-8926	27.76	19.92	15.07	13.08	– –
2133	IR	44	PLCC	3 Phase Driver, Separate High and Low Side Inputs, 200ns Deadtime	IR2133JPBF	SMD 102-3213	28.16	20.21	15.29	13.27	– –
2133	IR	28	SOIC	3 Phase Driver, Separate High and Low Side Inputs, 200ns Deadtime	IR2133SPBF	SMD 102-3215	27.21	19.51	14.77	12.82	– –
2135	IR	28	SOIC	200nS Deadtime/Separate Hi & Lo Inputs	IR2135SPBF	SMD 863-8934	27.76	19.92	15.07	13.08	– –
2136	IR	44	PLCC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR2136JPBF	SMD 102-3232	16.71	11.99	9.15	7.87	– –
2136	IR	28	DIL	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR2136PBF	102-3233	16.23	11.64	8.89	7.64	– –
2136	IR	28	SOIC	200nS Deadtime/Soft Turn On, Separate Hi & Lo Inputs	IR2136SPBF	SMD 863-8950	16.56	11.88	9.07	7.80	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2153	IR	8	DIL	12uS Deadtime/Programmable-Oscillating	IR2153PBF	863-8969●	6.08	4.37	3.34	2.87	– –
2153	IR	8	SOIC	12uS Deadtime/Programmable-Oscillating	IR2153SPBF	SMD 863-8977●	6.47	4.64	3.54	3.05	– –
2155	IR	8	DIL	12uS Deadtime/Programmable-Oscillating	IR2155PBF	863-8985●	7.65	5.49	4.19	3.60	– –
2156	IR	14	DIL	Ballast Control, Programmable Preheat Time and Run Frequency, Programmable Deadtime	IR2156PBF	102-3234●	5.64	4.04	3.09	2.65	– –
2156	IR	16	SOIC	Programmable Deadtime/Programmable Preheat Time & Frequency	IR2156SPBF	SMD 863-8993●	5.84	4.19	3.21	2.75	– –
2166	IR	16	DIL	PFC Ballast Control	IR2166PBF	102-3239●	6.92	4.96	3.79	3.26	– –
2166	IR	16	SOIC	600V Lamp PFC & Ballast Control + Half Bridge	IR2166SPBF	SMD 863-9000●	7.16	5.14	3.92	3.37	– –
2167	IR	20	DIL	PFC Ballast Control, Programmable Preheat and Frequency, Programmable Deadtime	IR2167PBF	108-0627●	11.36	8.15	6.22	5.35	– –
2167	IR	20	SOIC	PFC Ballast Control, Programmable Preheat and Frequency, Programmable Deadtime	IR2167SPBF	SMD 108-0628●	12.79	9.17	7.01	6.02	– –
2175	IR	8	DIL	Linear Current Sensing IC	IR2175PBF	102-3241●	11.94	8.56	6.53	5.62	– –
2175	IR	8	SOIC	Linear Current Sensor For Motor Drives	IR2175SPBF	SMD 863-9019●	12.66	9.09	6.93	5.96	– –
2181	IR	8	DIL	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs	IR2181PBF	102-3243●	7.15	5.14	3.92	3.37	– –
2181	IR	8	SOIC	High and Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate High and Low Side Inputs	IR2181SPBF	SMD 102-3244●	7.41	5.31	4.05	3.49	– –
2183	IR	8	DIL	Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 500ns Deadtime	IR2183PBF	102-3246●	7.15	5.14	3.92	3.37	– –
2183	IR	8	SOIC	Half Bridge Driver, SoftTurn-On, Low Side Inverting Input, Separate High and Low Side Input, 500ns Deadtime	IR2183SPBF	SMD 102-3247●	7.41	5.31	4.05	3.49	– –
2184	IR	8	DIL	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, 500ns Deadtime	IR2184PBF	102-3249●	7.15	5.14	3.92	3.37	– –
2184	IR	8	SOIC	500nS Deadtime/Soft Turn On, Single Input Inverting + Shut-Down	IR2184SPBF	SMD 863-9051●	7.56	5.41	4.14	3.56	– –
2213	IR	14	DIL	High and Low Side Driver, Noninverting Inputs	IR2213PBF	102-3250●	16.71	11.99	9.15	7.87	– –
2213	IR	16	SOIC	High and Low Side Driver, Noninverting Inputs	IR2213SPBF	SMD 102-3252●	17.18	12.33	9.42	8.09	– –
2233	IR	28	SOIC	3 Phase Driver, Separate High and Low Side Inputs, 200ns Deadtime	IR2233SPBF	SMD 102-3253●	57.28	39.98	30.50	26.98	– –
2301	IR	8	DIL	High and Low Side Driver, SoftTurn-On, Noninverting Inputs	IR2301PBF	102-3254●	4.77	3.42	2.61	2.25	– –
2301	IR	8	SOIC	Non Inverting Inputs/Soft Turn On	IR2301SPBF	SMD 863-9060●	4.97	3.56	2.72	2.34	– –
2302	IR	8	SOIC	500nS Deadtime/Single Input + Shut-Down, Soft Turn On	IR2302SPBF	SMD 863-9078●	4.97	3.56	2.72	2.34	– –
2304	IR	8	DIL	Half Bridge Driver, SoftTurn-On, Noninverting Inputs	IR2304PBF	102-3255●	4.53	3.26	2.48	2.14	– –
2304	IR	8	SOIC	Half Bridge Driver, SoftTurn-On, Noninverting Inputs	IR2304SPBF	SMD 102-3256●	4.63	3.32	2.54	2.18	– –
2308	IR	8	DIL	High Voltage and High Speed power MOSFET and IGBT Half Bridge Driver	IR2308PBF	102-3257●	6.30	4.52	3.45	2.97	– –
2308	IR	8	SOIC	High Voltage And High Speed	IR2308SPBF	SMD 863-9086●	6.58	4.72	3.60	3.10	– –
2520	IR	8	DIL	600V Ballast Controller IC with Adaptive Zero-Voltage Switching, Internal Crest Factor and an Integrated Bootstrap Diode	IR2520DPBF	108-0633●	4.73	3.39	2.59	2.22	– –
2520	IR	8	SOIC	600V Ballast Controller IC with Adaptive Zero-Voltage Switching, Internal Crest Factor and an Integrated Bootstrap Diode	IR2520DSPBF	SMD 108-0634●	4.67	3.36	2.56	2.20	– –
2722	NSC	8	SOIC	High Speed Synchronous MOSFET Driver	LM2722M	SMD 822-1898●	5.44	3.95	2.96	– –	– –
2724	NSC	8	SOIC	High Speed 3A Synchronous MOSFET Driver	LM2724AM	SMD 818-1357●	5.44	3.95	2.96	– –	– –
2811	TI	8	SOIC	Dual Channel High Speed MOSFET Driver	TPS2811D	SMD 845-6925●	4.20	3.22	2.37	2.05	– –
2811	TI	8	PDIP	Dual Channel High Speed MOSFET Driver	TPS2811P	845-6933●	4.20	3.22	2.37	2.05	– –
2812	TI	8	DIL	Dual High Speed MOSFET Driver, Non-Inverting	TPS2812P	110-3115●	4.20	3.22	2.37	2.05	– –
2812	TI	8	SOIC	Dual Channel High Speed MOSFET Driver	TPS2812D	SMD 845-6941●	4.20	3.22	2.37	2.05	– –
2813	TI	8	DIL	Dual Channel High Speed MOSFET Driver	TPS2813P	845-6950●	4.20	3.22	2.37	2.05	– –
2817	TI	5	SOP	Single High Speed MOSFET Driver	TPS2817DBVT	SMD 845-6968●	3.03	2.32	1.71	1.48	– –
2819	TI	5	SOP	Single High Speed MOSFET Driver	TPS2819DBVT	SMD 845-6976●	3.03	2.32	1.71	1.48	– –
2830	TI	14	SOIC	Dual Channel High Speed MOSFET Driver	TPS2830D	SMD 845-7000●	4.62	3.53	2.70	2.37	– –
3525	NSC	8	SOIC	Single Port USB Power Switch, Active HI. Enable	LM3525M-H	SMD 948-6330●	3.35	2.37	1.73	– –	– –
3525	NSC	8	SOIC	Single Port USB Power Switch, Active LO. Enable	LM3525M-L	SMD 948-6348●	3.35	2.37	1.73	– –	– –
3543	NSC	16	SOIC	Triple Port USB Power Distribution Switch and Over-Current Protection	LM3543M-H	SMD 100-8245●	6.62	4.85	3.64	– –	– –
3708	TI	8	PDIP	NON-INV PWR Driver, Dual	UC3708NG4	120-7381●	12.12	9.28	7.68	6.85	– –
3710	TI	8	PDIP	MOSFET Driver	UC3710NG4	120-7382●	12.71	9.72	8.06	7.18	– –
4080	INTS	20	DIL	High Frequency MOSFET Driver with Undervoltage Protection	HIP4080AIPZ	966-4122●	9.69	9.32	8.54	8.05	– –
4081	INTS	20	DIL	High Frequency MOSFET Driver with Undervoltage Protection (Independent control of all 4 MOSFETs)	HIP4081AIP	640-268▲‡	12.51	11.51	10.35	9.03	– –
4081	INTS	20	DIL	High Frequency MOSFET Driver with Undervoltage Protection (Independent control of all 4 MOSFETs)	HIP4081AIPZ	966-4130●	10.48	10.08	9.24	8.70	– –
4082	INTS	16	DIL	Low Frequency MOSFET Driver with Undervoltage Protection (Independent control of all 4 MOSFETs)	HIP4082IP	640-270▲‡	8.86	8.15	7.33	6.40	– –
4082	INTS	16	DIL	Low Frequency MOSFET Driver with Undervoltage Protection (Independent control of all 4 MOSFETs)	HIP4082IPZ	966-4149●	7.42	7.14	6.54	6.16	– –
4420	MCHIP	8	DIL	IC MOSFET Driver, 6A single High Speed non inverting	TC4420CPA	976-2566●	2.60	2.10	1.89	– –	– –
4420	MCHIP	8	SOIC	6A High-Speed MOSFET Driver (IND TEMP)	TC4420EOA	SMD 976-2574●	2.60	2.10	1.89	– –	– –
4421	MCHIP	8	DIL	9A, Inverting, High Speed MOSFET/IGBT Driver	TC4421CPA	119-6786●	4.67	3.38	3.05	– –	– –
4422	MCHIP	8	DIL	9A, Non-Inverting, High Speed MOSFET/IGBT Driver	TC4422CPA	119-6785●	4.67	3.38	3.05	– –	– –
4422	MCHIP	8	DIL	9A High-Speed MOSFET Driver (IND TEMP)	TC4422EPA	976-2582●	4.91	3.54	3.22	– –	– –
4424	MCHIP	8	DIL	3A Dual High-Speed Power MOSFET Driver (IND TEMP)	TC4424EPA	976-2590●	4.04	2.95	2.67	– –	– –
4426	IR	8	DIL	Dual Low Side Driver, Inverting Input	IR4426PBF	102-3265●	3.82	2.74	2.10	1.80	– –
4426	IR	8	SOIC	Dual Low Side Driver, Inverting Input	IR4426SPBF	SMD 102-3266●	4.06	2.92	2.22	1.91	– –
4426	MCHIP	8	SOIC	1.5A Dual High-Speed Power MOSFET Driver (IND TEMP)	TC4426EOA	SMD 108-4317●	2.02	1.63	1.47	– –	– –
4426	MCHIP	8	SOIC	IC MOSFET Driver, 1.5A Dual High Speed inverting	TC4426COA	SMD 976-2604●	1.97	1.59	1.42	– –	– –
4426	TS	8	DIL	1.5A, Inverting, Dual High Speed MOSFET Driver	TC4426CPA	976-2612●	2.07	1.67	1.51	– –	– –
4427	IR	8	DIL	Dual Low Side Driver	IR4427PBF	102-3267●	3.82	2.74	2.10	1.80	– –
4427	IR	8	SOIC	Low Voltage And High Speed	IR4427SPBF	SMD 863-9094●	4.14	2.97	2.27	1.95	– –
4427	MCHIP	8	SOIC	IC MOSFET Driver, 1.5A Dual High Speed non inverting	TC4427COA	SMD 976-2620●	1.97	1.59	1.42	– –	– –
4427	TS	8	DIL	1.5A, Non-Inverting, Dual, High Speed MOSFET Driver	TC4427CPA	976-2639●	2.02	1.63	1.47	– –	– –
4427	MCHIP	8	SOIC	IC MOSFET Driver, 1.5A Dual High Speed non inverting	TC4427EOA	SMD 976-2647●	2.02	1.63	1.47	– –	– –
4428	IR	8	DIL	Dual Low Side Driver, Half Inverting Input	IR4428PBF	102-3268●	3.82	2.74	2.10	1.80	– –
4428	IR	8	SOIC	Dual Low Side Driver, Half Inverting Input	IR4428SPBF	SMD 102-3269●	4.06	2.92	2.22	1.91	– –
4428	MCHIP	8	SOIC	1.5A Dual High-Speed Power MOSFET Driver (IND TEMP)	TC4428EOA	SMD 119-6805●	2.07	1.67	1.53	– –	– –
4428	TS	8	DIL	1.5A, Differential, Dual, High Speed MOSFET Driver	TC4428CPA	976-2655●	2.02	1.63	1.47	– –	– –
4429	MCHIP	8	DIL	6A, Inverting, High Speed MOSFET Driver	TC4429CPA	119-6787●	2.60	2.10	1.89	– –	– –
5100	NSC	8	SOIC	3.0 Amp High Voltage High Side and Low Side Driver	LM5100AM	SMD 100-8264●	6.24	4.54	3.40	– –	– –
5100	NSC	10	LLP	3.0 Amp High Voltage High Side and Low Side Driver	LM5100ASD	SMD 100-8265●	6.24	4.54	3.40	– –	– –
5100	NSC	8	SOIC	High Voltage High Side and Low Side Gate Driver	LM5100M	SMD 818-1365●	5.60	4.07	3.05	– –	– –
5101	NSC	8	SOIC	3.0 Amp High Voltage High Side and Low Side Driver	LM5101AM	SMD 100-8266●	6.24	4.54	3.40	– –	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
5101	NSC	10	LLP	3.0 Amp High Voltage High Side and Low Side Driver	LM5101ASD	SMD 100-8267	6.24	4.54	3.40	– –	– –
5101	NSC	8	SOIC	High Voltage High Side and Low Side Gate Driver	LM5101M	SMD 818-1373	5.60	4.07	3.05	– –	– –
5102	NSC	10	MSOP	High Voltage Half-Bridge Gate Driver with Programmable Delay	LM5102MM	SMD 818-1381	6.24	4.54	3.40	– –	– –
5104	NSC	8	SOIC	High Voltage Half-Bridge Gate Driver with Adaptive Delay	LM5104M	SMD 818-1390	6.24	4.54	3.40	– –	– –
5105	NSC	10	LLP	100V Half Bridge Gate Driver with Programmable Dead-time	LM5105SD	SMD 100-8268	4.97	3.52	2.57	– –	– –
5107	NSC	8	SOIC	100V / 1.4A Peak Half Bridge Gate Driver	LM5107MA	SMD 100-8269	4.72	3.34	2.44	– –	– –
5107	NSC	10	LLP	100V / 1.4A Peak Half Bridge Gate Driver	LM5107SD	SMD 100-8270	4.47	3.16	2.31	– –	– –
5109	NSC	8	SOIC	100V / 1A Peak Half Bridge Gate Driver	LM5109MA	SMD 100-8032	3.81	2.66	1.90	– –	– –
5109	NSC	8	LLP	100V / 1A Peak Half Bridge Gate Driver	LM5109SD	SMD 100-8033	3.81	2.66	1.90	– –	– –
5110	NSC	10	LLP	Dual 5A Compound Gate Driver with Negative Output Voltage Capability	LM5110-2SD	SMD 100-8271	3.23	2.29	1.67	– –	– –
5110	NSC	8	SOIC	Dual 5A Compund Gate Driver with Negative Output Voltage Capability	LM5110-1M	SMD 818-1403	3.23	2.29	1.67	– –	– –
5110	NSC	8	SOIC	Dual 5A Compund Gate Driver with Negative Output Voltage Capability	LM5110-2M	SMD 818-1411	3.23	2.29	1.67	– –	– –
5111	NSC	8	SOIC	Dual 5A Compound Gate Driver	LM5111-1M	SMD 823-8693	3.23	2.29	1.67	– –	– –
5111	NSC	8	SOIC	Dual 5A Compound Gate Driver	LM5111-2M	SMD 823-8715	3.23	2.29	1.67	– –	– –
5111	NSC	8	SOIC	Dual 5A Compound Gate Driver	LM5111-3M	SMD 823-8723	3.23	2.29	1.67	– –	– –
6201	ST	20	PowerSOIC	DMOS Full-Bridge Driver	E-L6201PS	SMD 107-7146	21.68	17.62	15.13	11.31	– –
6207	ST	36	PowerSOIC	DMOS Dual Full-Bridge Driver with PWM Current Controller	E-L6207PD	SMD 107-7147	26.40	21.47	18.43	13.78	– –
6384	ST	8	DIL	600V Half Bridge Driver, CMOS/TTL Input	L6384	109-4226	3.91	3.13	2.61	– –	– –
6384	ST	8	SOIC	600V Half Bridge Driver, CMOS/TTL Input	L6384D	SMD 109-4227	3.33	2.67	2.22	– –	– –
6384	ST	8	SOIC	600V Half Bridge Driver, CMOS/TTL Input	L6384D.	SMD 323-6924 ▲	3.31	2.65	2.20	– –	– –
6385	ST	8	DIL	600V High and Low Side Bridge Driver, CMOS/TTL Input	L6385	109-4228	3.95	3.16	2.63	– –	– –
6385	ST	8	DIL	600V High and Low Side Bridge Driver, CMOS/TTL Input	L6385.	323-6894 ▲	3.84	3.07	2.56	– –	– –
6385	ST	8	SOIC	600V High and Low Side Bridge Driver, CMOS/TTL Input	E-L6385D	SMD 988-2537	3.18	2.55	2.12	– –	– –
6386	ST	14	DIL	600V High and Low Side Bridge Driver, CMOS/TTL Input, Comparator	L6386	109-4229	4.11	3.29	2.74	– –	– –
6386	ST	14	DIL	600V High and Low Side Bridge Driver, CMOS/TTL Input, Comparator	L6386.	323-6936 ▲	4.03	3.22	2.68	– –	– –
6386	ST	14	SOIC	600V High and Low Side Bridge Driver, CMOS/TTL Input, Comparator	E-L6386D	SMD 988-2545	3.28	2.63	2.19	– –	– –
6569	ST	8	DIL	High-Voltage Half-Bridge Driver with Oscillator	E-L6569	107-7150	3.45	2.76	2.30	– –	– –
6569	ST	8	SOIC	600V Half Bridge With Oscillator and Bootstrap	L6569AD	SMD 109-4231	3.84	3.07	2.56	– –	– –
6569	ST	8	DIL	600V Half Bridge With Oscillator and Bootstrap	L6569A	113-1994	3.96	3.17	2.64	– –	– –
6569	ST	8	SOIC	600V Half Bridge With Oscillator and Bootstrap	E-L6569D	SMD 115-9686	3.95	3.16	2.63	– –	– –
6569	ST	8	DIL	600V Half Bridge With Oscillator and Bootstrap	L6569A.	323-6985 ▲	3.84	3.07	2.56	– –	– –
6569	ST	8	SOIC	600V Half Bridge With Oscillator and Bootstrap	L6569D	SMD 323-7000 ▲	3.84	3.07	2.56	– –	– –
6569	ST	8	DIL	600V Half Bridge With Oscillator and Bootstrap	E-6569	988-2561	3.83	3.07	2.56	– –	– –
6571	ST	8	DIL	600V Half Bridge With Oscillator and Bootstrap, adjustable Dead-time	L6571A	109-4232	3.96	3.17	2.64	– –	– –
6571	ST	8	DIL	600V Half Bridge With Oscillator and Bootstrap, adjustable Dead-time	L6571A.	323-7011 ▲	3.85	3.08	2.56	– –	– –
6571	ST	8	SOIC	600V Half Bridge With Oscillator and Bootstrap, adjustable Dead-time	L6571AD	SMD 323-7023 ▲	3.84	3.07	2.56	– –	– –
6571	ST	8	SOIC	600V Half Bridge With Oscillator and Bootstrap, adjustable Dead-time	L6571BD	SMD 323-7035 ▲	3.84	3.07	2.56	– –	– –
6571	ST	8	SOIC	600V Half Bridge With Oscillator and Bootstrap, adjustable Dead-time	E-L6571BD	SMD 988-2570	3.45	2.76	2.30	– –	– –
6574	ST	16	DIL	600V Dimmable Lamp Ballast With Preheat	L6574	109-4234	4.80	3.85	3.21	– –	– –
6574	ST	16	DIL	600V Dimmable Lamp Ballast With Preheat	L6574.	323-6950 ▲	4.80	3.85	3.21	– –	– –
6574	ST	16	SOIC	600V Dimmable Lamp Ballast With Preheat	L6574D	SMD 323-6961 ▲	4.81	3.85	3.21	– –	– –
6574	ST	16	SOIC	600V Dimmable Lamp Ballast With Preheat	E-L6574D	SMD 988-2553	4.31	3.45	2.87	– –	– –
6700	INTS	8	SOIC	80V, 1.25A peak Half-Bridge Driver	ISL6700IB	SMD 412-6889 ▲‡	4.69	4.31	3.88	3.39	– –
6700	INTS	8	SOIC	80V, 1.25A peak Half-Bridge Driver	ISL6700IBZ	SMD 966-4033	4.08	3.92	3.59	3.39	– –
7104	ELAN	8	DIL	High Speed, Single Channel Power MOSFET Driver	EL7104CN	597-090	14.20	11.57	9.60	– –	– –
7104	INTS	8	DIL	High Speed, Single Channel Power MOSFET Driver	EL7104CNZ	121-6117	14.20	11.57	9.60	– –	– –
7667	INTS	8	DIL	Dual MOSFET Driver	ICL7667CPAZ	966-3690	2.36	2.27	2.08	1.96	– –
9122	SLX	20	TSSOP	500-kHz Half-Bridge DC/DC Controller With Integrated Secondary Synchronous Rectification Drivers	SI9122DQ-T1-E3	SMD 110-2517	11.50	10.81	9.84	9.29	– –
9124	SLX	16	TSSOP	500-kHz Push-Pull DC-DC Converter With Integrated Secondary Synchronous Rectification Control	SI9124DQ-T1-E3	SMD 110-2518	11.50	10.81	9.84	9.29	– –
20153	IR	8	SOIC	Recharge	IR20153SPBF	SMD 863-8705	6.08	4.37	3.34	2.87	– –
21064	IR	14	DIL	High & Low Side Driver, SoftTurn-On, Non-inverting Inputs	IR21064PBF	102-3203	6.44	4.62	3.53	3.03	– –
21064	IR	14	SOIC	Non Inverting Inputs/Soft Turn On	IR21064SPBF	SMD 863-8772	6.67	4.78	3.66	3.14	– –
21084	IR	14	DIL	Half Bridge Driver, Soft Turn-On, Programmable 0.5-5us Deadtime	IR21084PBF	102-3204	6.44	4.62	3.53	3.03	– –
21084	IR	14	SOIC	Programmable 0.5-5us Deadtime, Soft Turn on	IR21084SPBF	SMD 910-1810	6.67	4.78	3.66	3.14	– –
21094	IR	14	DIL	Half Bridge Driver, Soft Turn-On, Programmable 0.5-5us Deadtime	IR21094PBF	102-3206	6.59	4.73	3.61	3.10	– –
21094	IR	14	SOIC	0.5-5uS Deadtime/Single Input + Shutdown	IR21094SPBF	SMD 863-8810	6.52	4.69	3.57	3.07	– –
21271	IR	8	SOIC	Single High Side Driver, Non-inverting Inputs, Current Sensing	IR21271PBF	SMD 102-3210	8.12	5.82	4.45	3.82	– –
21271	IR	8	PDIP	Non Inverting Input/Current Sensing & Shutdown	IR21271SPBF	863-8900	9.26	6.64	5.08	4.36	– –
21362	IR	44	PLCC	3 Phase Driver, Soft Turn-on, Non-inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21362JPBF	SMD 102-3216	16.71	11.99	9.15	7.87	– –
21362	IR	28	DIL	3 Phase Driver, Soft Turn-on, Non-inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21362PBF	102-3217	16.23	11.64	8.89	7.64	– –
21362	IR	28	SOIC	3 Phase Driver, Soft Turn-on, Non-inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21362SPBF	SMD 102-3218	16.23	11.64	8.89	7.64	– –
21363	IR	44	PLCC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21363JPBF	SMD 102-3219	16.71	11.99	9.15	7.87	– –
21363	IR	28	DIL	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21363PBF	102-3220	16.28	13.02	10.03	– –	– –
21363	IR	28	SOIC	Inverting Input/Soft Turn On, Hi & Lo Input	IR21363SPBF	SMD 863-8942	16.56	11.88	9.07	7.80	– –
21365	IR	44	PLCC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21365JPBF	SMD 102-3221	16.71	11.99	9.15	7.87	– –
21365	IR	28	DIL	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21365PBF	102-3222	16.28	13.02	10.03	– –	– –
21365	IR	28	SOIC	200nS Deadtime/Soft Turn On, Separate Hi & Lo Inputs	IR21365SPBF	SMD 863-9760	16.56	11.88	9.07	7.80	– –
21366	IR	44	PLCC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21366JPBF	SMD 102-3223	16.76	13.41	10.32	– –	– –
21366	IR	28	SOIC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21366SPBF	SMD 102-3224	16.23	11.64	8.89	7.64	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
21367	IR	44	PLCC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21367JPBF	SMD 102-3225	16.76	13.41	10.32	– –	– –
21367	IR	28	DIL	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21367PBF	102-3227	16.28	13.02	10.03	– –	– –
21367	IR	28	SOIC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21367SPBF	SMD 102-3228	16.28	13.02	10.03	– –	– –
21368	IR	44	PLCC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21368JPBF	SMD 102-3229	16.71	11.99	9.15	7.87	– –
21368	IR	28	DIL	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21368PBF	102-3230	16.23	11.64	8.89	7.64	– –
21368	IR	28	SOIC	3 Phase Driver, Soft Turn-on, Inverting Input Separate High and Low Side Inputs, 200ns Deadtime	IR21368SPBF	SMD 102-3231	16.23	11.64	8.89	7.64	– –
21531	IR	8	SOIC	Self-oscillating	IR21531SPBF	SMD 910-1802	6.19	4.43	3.39	2.91	– –
21571	IR	16	DIL	Ballast Control, Programmable Preheat Time and Run Frequency, Programmable Deadtime	IR21571PBF	102-3235	8.59	6.16	4.71	4.05	– –
21571	IR	16	SOIC	Ballast Control, Programmable Preheat Time and Run Frequency, Programmable Deadtime	IR21571SPBF	SMD 108-0624	8.83	6.34	4.84	4.16	– –
21592	IR	16	DIL	Dimming Ballast Control, Brown-out Protection, Programmable Preheat Time, 1.8us Deadtime	IR21592PBF	102-3236	10.41	7.46	5.70	4.90	– –
21592	IR	16	SOIC	Dimming Ballast Control, Brown-out Protection, Programmable Preheat Time, 1.8µs Deadtime	IR21592SPBF	SMD 108-0625	10.65	7.63	5.83	5.01	– –
21593	IR	16	DIL	Dimming Ballast Control, Brown-out Protection, Programmable Preheat Time, 1.8us Deadtime	IR21593PBF	102-3237	10.41	7.46	5.70	4.90	– –
21593	IR	16	SOIC	Dimming Ballast Control, Brown-out Protection, Programmable Preheat Time, 1.0µs Deadtime	IR21593SPBF	SMD 108-0626	10.65	7.63	5.83	5.01	– –
21814	IR	14	DIL	High & Low Side Driver, SoftTurn-On, Noninverting Inputs, Separate Logic and Power Ground	IR21814PBF	102-3242	7.41	5.31	4.05	3.49	– –
21814	IR	14	SOIC	Non Inverting Inputs/Separate Logic & Power Ground	IR21814SPBF	SMD 863-9027	7.80	5.59	4.27	3.67	– –
21834	IR	14	DIL	Half Bridge Driver, SoftTurn-On, Low Side Inverting Inputs,Separate Logic and Power Ground, Programmable Deadtime	IR21834PBF	102-3245	7.41	5.31	4.05	3.49	– –
21834	IR	14	SOIC	Low Side Inverting/Soft Turn On, Separate Hi & Lo Inputs	IR21834SPBF	SMD 863-9035	7.80	5.59	4.27	3.67	– –
21844	IR	14	DIL	Half Bridge Driver, SoftTurn-On, Single Input Plus Inverting Shut-Down, Separate Logic and Power Ground, Programmable Deadtime	IR21844PBF	102-3248	7.41	5.31	4.05	3.49	– –
21844	IR	14	SOIC	Programmable Deadtime/Single Inverting Inputs, Separate Logic & Power Ground	IR21844SPBF	SMD 863-9043	7.80	5.59	4.27	3.67	– –
27222	NSC	8	SO-8	High-Speed 4.5A Synchronous MOSFET Driver	LM27222M	SMD 100-8002	5.04	3.65	2.66	– –	– –
27222	NSC	8	LLP	High-Speed 4.5A Synchronous MOSFET Driver	LM27222SD	SMD 100-8003	5.04	3.65	2.66	– –	– –
27321	TI	8	SOIC	MOSFET Driver, Single 9A High Speed Low Side	UCC27321D	SMD 846-2607	4.84	3.70	2.83	2.49	– –
27321	TI	8	PDIP	MOSFET Driver, Single 9A High Speed Low Side	UCC27321P	846-2615	4.84	3.70	2.83	2.49	– –
27322	TI	8	MSOP	MOSFET Driver with Enable, High Speed Low side	UCC27322DGNG4	SMD 121-4416	5.28	4.04	3.08	2.71	– –
27322	TI	8	MSOP	MOSFET Driver with Enable, High Speed Low side	UCC27322DGN	SMD 442-0147	5.28	4.04	3.08	2.71	– –
27322	TI	8	SOIC	MOSFET Driver, Single 9A High Speed Low Side	UCC27322D	SMD 846-2623	4.84	3.70	2.83	2.49	– –
27322	TI	8	PDIP	MOSFET Driver, Single 9A High Speed Low Side	UCC27322P	846-2631	4.84	3.70	2.83	2.49	– –
27323	TI	8	MSOP	MOSFET Driver Dual, High Speed Inverting Low side	UCC27323DGN	SMD 121-4417	4.40	3.37	2.48	2.14	– –
27323	TI	8	SOIC	MOSFET Driver, Dual, 3A	UCC27323D	SMD 846-2640	3.91	2.99	2.20	1.90	– –
27323	TI	8	PDIP	MOSFET Driver, Dual, 3A	UCC27323P	846-2658	3.91	2.99	2.20	1.90	– –
27324	TI	8	MSOP	MOSFET Driver Dual, High Speed non Inverting Low side	UCC27324DGN	SMD 110-3057	3.91	2.99	2.20	1.90	– –
27324	TI	8	DIL	Dual 4A pak Low-side power MOSFET driver	UCC27324P	110-3121	3.91	2.99	2.20	1.90	– –
27324	TI	8	SOIC	MOSFET Driver, Dual, 3A	UCC27324D	SMD 846-2666	3.91	2.99	2.20	1.90	– –
27325	TI	8	SOIC	MOSFET Driver, Dual, 3A	UCC27325D	SMD 846-2674	3.91	2.99	2.20	1.90	– –
27325	TI	8	PDIP	MOSFET Driver, Dual, 3A	UCC27325P	846-2682	3.91	2.99	2.20	1.90	– –
27423	TI	8	PDIP	MOSFET Driver, Dual, 4A High Speed Low Side w/Enable	UCC27423P	846-2704	4.15	3.18	2.34	2.02	– –
27424	TI	8	SOIC	MOSFET Driver, Dual, 4A High Speed Low Side w/Enable	UCC27424D	SMD 846-2712	3.91	2.99	2.20	1.90	– –
27424	TI	8	HTSSOP	MOSFET Driver, Dual, 4A High Speed Low Side w/Enable	UCC27424DGN	SMD 846-2720	3.91	2.99	2.20	1.90	– –
27424	TI	8	PDIP	MOSFET Driver, Dual, 4A High Speed Low Side w/Enable	UCC27424P	846-2739	3.91	2.99	2.20	1.90	– –
27425	TI	8	SOIC	MOSFET Driver, Dual, 4A High Speed Low Side w/Enable	UCC27425D	SMD 846-2747	3.91	2.99	2.20	1.90	– –
27425	TI	8	PDIP	MOSFET Driver, Dual, 4A High Speed Low Side w/Enable	UCC27425P	846-2755	3.91	2.99	2.20	1.90	– –
33151	ON	8	SOIC	MOSFET/IGBT Driver. (IND TEMP)	MC33151DG	SMD 121-1117	4.39	2.86	2.44	– –	– –
33151	ON	8	DIL	Dual High Speed MOSFET Driver, Inverting. (IND TEMP)	MC33151PG	966-6770	2.83	2.25	1.77	1.23	– –
33152	ON	8	SOIC	Dual High Speed MOSFET Driver, Non-Inverting. (IND TEMP)	MC33152DG	SMD 119-1817	3.40	2.70	2.12	1.48	– –
33152	ON	8	DIL	Dual High Speed MOSFET Driver, Non-Inverting. (IND TEMP)	MC33152PG	966-6788	2.83	2.25	1.77	1.23	– –
34151	ON	8	DIL	Dual High Speed MOSFET Driver, Inverting	MC34151PG	966-4459	2.58	2.06	1.61	1.12	– –
34152	ON	8	DIL	Dual High Speed MOSFET Driver, Non-Inverting	MC34152PG	966-4424	2.58	2.06	1.61	1.12	– –
37321	TI	8	SOIC	MOSFET Driver, Single 9A High Speed Low Side	UCC37321D	SMD 846-3000	4.66	3.70	2.73	2.36	– –
37321	TI	8	PDIP	MOSFET Driver, Single 9A High Speed Low Side	UCC37321P	846-3018	4.66	3.70	2.73	2.36	– –
37322	TI	8	SOIC	MOSFET Driver, Single 9A High Speed Low Side	UCC37322D	SMD 846-3026	4.66	3.70	2.73	2.36	– –
37322	TI	8	PDIP	MOSFET Driver, Single 9A High Speed Low Side	UCC37322P	846-3034	4.66	3.70	2.73	2.36	– –
37323	TI	8	PDIP	MOSFET Driver, Dual, 3A	UCC37323P	846-3042	3.67	2.80	2.07	1.78	– –
37324	TI	8	SOIC	MOSFET Driver, Dual, 3A	UCC37324D	SMD 846-3050	3.67	2.80	2.07	1.78	– –
37324	TI	8	PDIP	MOSFET Driver, Dual, 3A	UCC37324P	846-3069	3.67	2.80	2.07	1.78	– –
37325	TI	8	PDIP	MOSFET Driver, Dual, 3A	UCC37325P	846-3077	3.67	2.80	2.07	1.78	– –
75451	TI	8	SOIC	Dual Positive AND Power Driver - Latch Up Free to 20V	SN75451BD..	SMD 699-652	1.64	1.18	0.88	0.59	– –
75451	TI	8	SOIC	Dual Positive AND Power Driver - Latch Up Free to 20V	SN75451BD	SMD 110-3193	1.64	1.18	0.88	0.59	– –
75451	TI	8	DIL	Dual Positive AND Power Driver - Latch Up Free to 20V	SN75451BP	110-6032	1.56	1.12	0.84	0.56	– –
75452	TI	8	DIL	Dual Positive NAND Power Driver - Latch Up Free to 20V	SN75452BP..	407-859	1.56	1.16	0.87	0.58	– –
75452	TI	8	SOIC	Dual Positive NAND Power Driver - Latch Up Free to 20V	SN75452BD..	SMD 699-664	1.64	1.18	0.88	0.59	– –
75452	TI	8	SOIC	Dual Positive NAND Power Driver - Latch Up Free to 20V	SN75452BD	SMD 110-3194	1.56	1.12	0.84	0.56	– –
75452	TI	8	DIL	Dual Positive NAND Power Driver - Latch Up Free to 20V	SN75452BP	110-6034	1.56	1.12	0.84	0.56	– –
75453	TI	8	DIL	Dual Positive OR Power Driver - Latch Up Free to 20V.	SN75453BP..	407-872	1.64	1.18	0.88	0.59	– –
75453	TI	8	DIL	Dual Positive OR Power Driver - Latch Up Free to 20V.	SN75453BP	110-6035	1.56	1.12	0.84	0.56	– –
754410	TI	16	DIL	Quadruple Half-H Driver	SN754410NEG4	959-2997	4.80	3.68	2.81	2.47	– –

● Compliant
● Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

Farnell Page 1546 Date: 22-08-06 time: 02:34

MOSFET Drivers

NEW

MICREL®

422885

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
4120	8	SOIC	6A-Peak Low-Side MOSFET Driver	MIC4120YME	SMD 110-0665	3.84	3.06	2.65
4126	8	SOIC	Dual 1.5A-Peak Low-Side MOSFET Drivers	MIC4126YME	SMD 110-0666	4.17	3.32	2.84
4127	8	SOIC	Dual 1.5A-Peak Low-Side MOSFET Drivers	MIC4127YME	SMD 110-0667	4.17	3.32	2.84
4128	8	SOIC	Dual 1.5A-Peak Low-Side MOSFET Drivers	MIC4128YME	SMD 110-0668	4.17	3.32	2.84

Photovoltaic Isolators

International IOR Rectifier

A photovoltaic isolator generates an electrically isolated DC voltage upon receipt of a DC input signal.
It can serve as an isolator, a coupler and as an isolated voltage source. It is ideal for driving Power MOSFETs and IGBTs or sensitive gate SCRs to form solid-state relays.
As a coupler, it can sense a low-leve IDC signal and transmit a voltage signal to an electrically remote circuit.
As a voltage source, it can function as a DC transformer.

228816

	Pins/ Package	Nom. Control Curr. (DC) 9mA)	Dielectric Strength I/O V(RMS)		Order Code	Price Each 1+	25+	100+
1050	8/DIL	10	2500	PVI1050N	360-7380	11.79	8.46	6.46
5080	8/DIL	10	2500	PVI5080NPBF	910-3880	7.74	5.56	4.24

MOSFET/IGBT Power Drivers

International IOR Rectifier

The motor drive control ICs are high voltage, high speed power MOSFET and IGBT drivers with independent high and low side reference output channels.

- Logic input compatible with standard CMOS or LSTTL output
- Floating channel designed for bootstrap operation
- Tolerant to negative transient voltage
- Gate drive supply range from 10V to 20V
- 5V Schmitt-triggered input logic

228811

	Pins/ Package	Function	Features	Voltage Offset max.(V)	O/P Source Current min.(mA)	O/P Sink Current min.(mA)	Output Voltage (V) min/max	Turn-On/ Off Time max.(ns)	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
2010	14/DIL	Hi & Lo MOS Driver	High and low side output channels	200	3000	3000	10/20	95/65	IR2010PBF	108-0609	7.15	5.14	3.92
2010	16/SOIC	Hi & Lo MOS Driver	High and low side output channels	200	3000	3000	10/20	95/65	IR2010SPBF	SMD 108-0610	7.41	5.31	4.05
2011	8/DIL	Hi & Lo MOS Driver	High and low side output channels	200	1000	1000	10/20	80/60	IR2011PBF	108-0612	5.97	4.28	3.27
2085	8/SOIC	Half-Bridge Driver	Self Oscillating	100	1000	1000	–	–	IR2085SPBF	SMD 108-0613	6.92	4.96	3.79
2102	8/SOIC	Independent High & Low Side	Basic/inverted inputs	600	100	210	10/20	130/90	IR2102SPBF	SMD 910-1829	6.47	4.64	3.54
2111	8/DIL	Half Bridge Driver	Basic/Deadtime/undervoltage lockout	600	200	420	10/20	850/150	IR2111PBF	910-1730	6.14	4.40	3.36
2111	8/SOIC	Half Bridge Driver	Basic/Deadtime/undervoltage lockout	600	200	420	10/20	850/150	IR2111S	SMD 360-7070	4.58	3.70	2.96
2112	14/DIL	Independent High & Low Side	Shutdown and separate logic supply	600	200	420	10/20	125/105	IR2112PBF	910-1799	6.43	4.61	3.52
2113	14/DIL	Independent High & Low Side	Shutdown and separate logic supply	600	2000	2000	10/20	120/94	IR2113PBF	910-1748	10.72	7.69	5.86
2117	8/DIL	High Side	Basic/Deadtime	600	200	420	10/20	125/105	IR2117PBF	910-1756	5.45	3.92	2.99
2118	8/DIL	High Side	Basic/Current sensing	600	200	420	10/20	125/105	IR2118PBF	910-1764	5.45	3.92	2.99
2118	8/SOIC	High Side	Basic/Current sensing	600	200	420	10/20	125/105	IR2121PBF	SMD 910-1705	11.44	8.21	6.26
2125	8/DIL	High Side	Current Sensing	500	1000	2000	12/18	150/150	IR2125PBF	910-1721	11.44	8.21	6.26
2127	8/DIL	High Side	Overcurrent shutdown	600	200	420	10/20	150/100	IR2127PBF	910-1772	8.28	5.94	4.54
2128	8/DIL	High-Side Driver	Inverting Inputs/Overcurent shutdown	600	200	420	12/20	200/150	IR2128PBF	108-0616	8.12	5.82	4.45
2128	8/SOIC	High-Side Driver	Inverting Inputs/Overcurent shutdown	600	200	420	12/20	200/150	IR2128SPBF	SMD 108-0617	9.07	6.51	4.97
2130	28/DIL	3 Phase Bridge	2.5ms Deadtime/Current Sensing	600	200	420	10/20	675/475	IR2130PBF	910-1713	26.01	18.66	14.11
2130	44/PLCC	3 Phase Bridge	2.5ms Deadtime/Current Sensing	600	200	420	10/20	675/475	IR2130JPBF	SMD 910-1837	27.76	19.92	15.07
2131	44/PLCC	3Hi & 3Lo MO Driver	Basic/Current Sensing	600	200	420	10/20	1300/600	IR2131JPBF	SMD 108-0618	27.21	19.51	14.77
2133	28/DIL	3 Phase Bridge Driver	200ns Deadtime/High and Low Side Inputs	600	200	420	10/20	750/700	IR2133PBF	108-0619	27.21	19.51	14.77
2135	44/PLCC	3 Phase Bridge Driver	200ns Deadtime/High and Low Side Inputs	600	200	420	10/20	750/700	IR2135JPBF	SMD 108-0620	28.16	20.21	15.29
2135	28/DIL	3 Phase Bridge Driver	200ns Deadtime/High and Low Side Inputs	600	200	420	10/20	750/700	IR2135PBF	108-0621	27.21	19.51	14.77
2151	8/DIL	Half Bridge Driver	Self-Oscillating	600	100	210	10/20	–	IR2151PBF	910-1780	5.84	4.19	3.21
2153	8/DIL	Half Bridge Driver	Self-Oscillating	600	200	400	10/20	–	IR2153	360-7252	4.19	3.28	2.62
2153	8/SOIC	Half Bridge Driver	Self-Oscillating	600	200	400	10/20	–	IR2153DPBF	SMD 910-1861	6.28	4.51	3.45
2233	44/PLCC	3 Phase Bridge	200ns Deadtime	1200	200	420	10/20	700/700	IR2233J	SMD 360-7288	53.58	36.25	31.13
2233	44/PLCC	3 Phase Bridge	200ns Deadtime	1200	200	420	10/20	700/700	IR2233JPBF	SMD 910-1870	55.90	40.79	31.13
2233	28/DIL	3 Phase Bridge Driver	200ns Deadtime	1200	200	420	10/20	750/700	IR2233PBF	108-0629	57.45	45.96	35.35
2235	44/PLCC	3 Phase Bridge Driver	200ns Deadtime/Overcurrent Comparator	1200	200	420	10/20	750/700	IR2235JPBF	SMD 108-0630	68.49	49.97	38.14
2235	28/SOIC	3 Phase Bridge Driver	200ns Deadtime/Overcurrent Comparator	1200	200	420	10/20	750/700	IR2235SPBF	SMD 108-0631	68.49	49.97	38.14
2302	8/DIL	Half-Bridge Driver	Fixed 500ns Deadtime/Soft Turn-On	600	120	250	10/25	–	IR2302PBF	108-0632	4.77	3.42	2.61
21091	8/DIL	Half-Bridge Driver	0.5-5µs Deadtime/Soft Turn-On	600	120	250	10/20	680/170	IR21091PBF	108-0614	6.30	4.52	3.45
21091	8/SOIC	Half-Bridge Driver	0.5-5µs Deadtime/Soft Turn-On	600	120	250	10/20	680/170	IR21091SPBF	SMD 108-0615	6.44	4.62	3.53
21531	8/DIL	Half-Bridge Driver	0.6µs Deadtime/Programmable Oscillator	600	250	400	10/20	–	IR21531PBF	108-0622	5.97	4.28	3.27



Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Power IC Relays

Power IC Relays

International IOR Rectifier

The Photovoltaic AC Relay (PVA) is a single-pole solid state replacement for electromechanical relay for switching DC and/or AC loads.
This range of relays consists of inverse series connected MOSFETs to provide distortion-free control for bi-directional and DC signals.
With power MOSFET output, the relays can control analogue signals from millivolts to hundreds of volts, from nanoamps to hundreds of milliamps, from DC to hundreds of KHz.
All advantages of a solid-state technology are met with switching life greater than 10^{10} operations, actuation times of less than 100µs, minimal false thermal voltage generation, low control power requirements.
The range eliminates the need for a coil suppression diode, eliminates bounce, is EMI free and shock/vibration resistant.

228812

	Pins/ Package	Operating Voltage Range V(pk) °C	Max. On-State Resistance @25°C Ω (AC/DC)	Max. Load Current @ 40°C AC/DC (mA)	Nominal Control Current (DC) (mA)	Minimum Off-State Resistance (Ω)	Dielectric Strength Input/Output $V_{(RMS)}$	Max. Response Time On/Off (µs)	Max. Thermal Offset Voltage @5mA Control (µV)
172	4/DIL-8	to +60	0.5/—	1000/1000	10	0.1G	4000	2000/500	
172	4/DIL-8	+60	—/0.25	1500/1500	10	0.1G	4000	2000/500	0.2
312	6/DIL	to +250	10/3	190/320	2	0.25G	4000	3000/500	
	6/DIL	to +	/	/		G	4000	/	
312	6/SOIC	to +250	15/4.25	170/300	2	0.25G	4000	3000/500	
322	8/DIL	to +250	10/10	170/170	2	0.25G	4000	3000/500	
412	6/DIL	to +400	27/7	140/0.21	10	1000G	4000	2000/500	
	6/DIL	to +	/	/		G		/	
412	6/DIL	to +400	35/9	120/200	3	0.4G	4000	2000/500	
412	6/DIL	to +400	35/9	120/200	3	0.4G	4000	2000/500	
412	6/SOIC	to +400	27/7	140/210	3	0.4G	4000	2000/500	
414	6/DIL	to +400	27/7	140/0.21	10	1000G	4000	500/200	0.2
414	6/DIL	to +400	27/7	140/0.21	10	1000G	4000	500/200	0.2
422	8/DIL	to +401	35/35	120/120	2	0.32G	4000	2000/2000	
612	6/DIL	to +60	0.5/0.15	1000/2	10	1000G	4000	2000/500	
1354	4/DIL-8	+100	—/	315/315	5	10G	2500	300/50	0.2
1354	4/DIL-8	+100	—/1.5	500/500	5	10G	2500	300/50	0.2
3054	4/DIL-8	to +300	160/—	40/40	5	10G	2500	25/15	0.2
3354	4/DIL-8	to +300	24/—	130/130	5	10G	2500	100/50	0.2
3354	4/DIL-8	to +300	24/—	130/130	5	10G	2500	100/50	0.2
6012	4/DIL-14	to +400	—/—	1/1	5	0.04G	3750	7000/1000	

Mftrs. List No.		Order Code	Price Each 1+	25+	100+
PVAZ172NPBF		**910-3856** ●	19.48	13.98	10.67
PVDZ172NPBF		**910-3864** ●	16.56	11.88	9.07
PVT312PBF		**910-3899** ●	4.97	3.56	2.72
PVT312LPBF		**910-3902** ●	5.07	3.63	2.78
PVT312LSPBF	SMD	**910-3910** ●	5.16	3.71	2.83
PVT322PBF		**910-3929** ●	10.42	7.48	5.71
PVT412		**735-292** ▲	4.55	3.37	2.72
PVT412PBF		**910-4038** ●	4.97	3.56	2.72
PVT412L		**360-7471** ▲	5.07	3.63	2.78
PVT412LPBF		**910-3937** ●	5.07	3.63	2.78
PVT412SPBF	SMD	**910-3945** ●	5.01	3.60	2.75
PVU414		**735-309** ▲	10.61	7.61	5.81
PVU414PBF		**910-4046** ●	10.61	7.61	5.81
PVT422PBF		**910-3953** ●	10.13	7.27	5.55
PVG612		**735-279** ▲	11.40	7.72	6.24
PVA1354NPBF		**910-3988** ●	12.66	9.09	6.93
PVD1354NPBF		**910-3996** ●	13.40	9.61	7.34
PVA3054NPBF		**910-3848** ●	12.66	9.09	6.93
PVA3354N		**360-7318** ▲	12.66	9.09	6.93
PVA3354NPBF		**910-4070** ●	12.66	9.09	6.93
PVX6012PBF		**910-3961** ●	21.18	15.20	11.50

Power Supply ICs

224011/410990

	Mftr.	Pins	Pkg	Description	Mftrs. List No.		Order Code	Price Each 1+	25+	100+	250+	+
1	ST	8	DIL	Automatic Voltage Switch Controller	E-AVS1ACP08		**113-2005** ●	11.14	8.53	7.33	5.62	– –
10	ST	3	TO-220	Autorange Triac Switch	AVS10CBI.		**571-520** ▲‡	4.77	3.65	3.13	2.40	– –
10	ST	3	TO-220	Autorange Triac Switch	AVS10CBI		**975-6477** ●	4.77	3.65	3.13	2.40	– –
12	ST	8	DIL	SMPS Primary IC, a PWM circuit with high voltage Power MOSFET.	VIPER12ADIP-E		**988-2901** ●	3.61	2.76	2.37	1.82	– –
12	ST	8	SOIC	SMPS Primary IC, a PWM circuit with high voltage Power MOSFET.	VIPER12AS-E	SMD	**988-2910** ●	3.26	2.49	2.14	1.64	– –
20	ST	5	Pentawatt	SMPS Primary IC, a PWM circuit with Vertical Power MOSFET (600V, 0.5A)	VIPER20.		**162-875** ▲	6.15	4.71	4.04	3.10	– –
20	ST	8	DIL	SMPS Primary IC	VIPER20ADIP-E		**107-7239** ●	5.24	3.48	2.99	2.80	– –
20	ST	5	Pentawatt	SMPS Primary IC, a PWM circuit with Vertical Power MOSFET (600V, 0.5A)	VIPER20-E		**109-4430** ●	6.34	4.85	4.17	3.20	– –
22	ST	8	DIL	Low Power Offline SMPS Primary Switch	VIPER22ADIP-E		**107-7240** ●	5.88	4.50	3.87	2.97	– –
22	ST	8	SOIC	Low Power Offline SMPS Primary Switch	VIPER22AS-E	SMD	**107-7241** ●	5.41	4.14	3.56	2.73	– –
28	TI	8	SOIC	BiCMOS Current Mode PWM Controller	UCC28C43D	SMD	**110-6067** ●	3.67	2.80	2.07	1.78	– –
38	TI	8	SOIC	Current Mode PWM.	UCC38C43DG4	SMD	**120-7251** ●	3.42	2.62	1.93	1.67	– –
38	TI	8	SOIC	Current Mode PWM.	UCC38C44DG4	SMD	**120-7252** ●	3.42	2.62	1.93	1.67	– –
38	TI	8	SOIC	PWM Controller, BiCMOS Low Power Current Mode	UCC38C42DG4	SMD	**121-4414** ●	3.42	2.62	1.93	1.67	– –
38	TI	8	SOIC	PWM Controller, BiCMOS Low Power Current Mode	UCC38C42D	SMD	**442-0056**	3.42	2.62	1.93	1.67	– –
50	ST	5	Pentawatt HV	SMPS Primary IC	VIPER50A-E		**107-7242** ●	9.61	7.35	6.32	4.85	– –
53	ST	8	DIL	Offline SMPS Primary Switch	VIPER53DIP-E		**107-7243** ●	9.22	7.06	6.06	4.65	– –
54	MCHIP	3	TO-92	Ultra Low Power, Open-drain Output, 4.3V Voltage Detector	TC54VN4302EZB		**119-6831** ●	0.96	0.77	0.69	– –	– –
54	MCHIP	3	TO-92	Ultra Low Power, Open-drain Output, 2.7V Voltage Detector	TC54VN2702EZB		**121-3078** ●	0.96	0.77	0.69	– –	– –
61	TOR	3	SOT-23	2.0V CMOS Standard Voltage Detector	XC61CC2002MRN	SMD	**105-7787** ●	1.43	1.24	1.02	– –	– –
61	TOR	4	SSOT-24	2.0V CMOS Standard Voltage Detector	XC61CC2002NRN	SMD	**105-7788** ●	1.43	1.24	1.02	– –	– –
61	TOR	3	SOT-23	4.5V CMOS Standard Voltage Detector	XC61CC4502MRN	SMD	**105-7791** ●	1.43	1.24	1.02	– –	– –
61	TOR	4	SSOT-24	4.5V CMOS Standard Voltage Detector	XC61CC4502NRN	SMD	**105-7792** ●	1.43	1.24	1.02	– –	– –
61	TOR	3	SOT-23	3.0V N-channel, Open-Drain Output, Standard Voltage Detector	XC61CN3002MRN	SMD	**105-7793** ●	1.43	1.24	1.02	– –	– –
61	TOR	4	SSOT-24	3.0V N-channel, Open-Drain Output, Standard Voltage Detector	XC61CN3002NRN	SMD	**105-7794** ●	1.43	1.24	1.02	– –	– –
78	NSC	16	DIL	Switching Regulator Sub-System. +2.5V to 40V, 1.5A	LM78S40CN		**948-8049** ●	3.50	2.48	1.81	– –	– –
100	ST	5	Pentawatt HV	SMPS Primary IC	VIPER100-E		**107-7237** ●	8.93	6.83	5.87	4.50	– –
100	ST	5	Pentawatt HV	SMPS Primary IC	VIPER100A-E		**107-7238** ●	9.90	7.57	6.51	4.99	– –
100	ZET	8	SOIC	Single-Cell DC/DC Converter	ZXSC100N8TA	SMD	**113-2759** ●	4.54	3.40	2.27	1.81	– –
100	ZET	8	SOIC	Single-Cell DC/DC Converter	ZXSC100N8TA.	SMD	**384-7962** ▲	4.54	3.40	2.27	1.81	– –
101	ST	8	DIL	Dual, Op-Amp with Ored output, Voltage Reference and Current generator	TSM101CN.		**101-527** ▲	1.37	1.05	0.79	0.67	– –
103	TI	8	SOIC	PWM Low Side Solenoid Driver, 1.5A/3A.	DRV103UG4	SMD	**120-6892** ●	7.04	5.39	4.11	3.62	– –
103	TI	8	HSOP	PWM Low Side Solenoid Driver, 1.5A/3A.	DRV103H	SMD	**121-2388** ●	8.14	6.23	4.76	4.18	– –
103	TI	8	HSOP	PWM Low Side Solenoid Driver, 1.5A/3A.	DRV103H.	SMD	**846-6513**	8.18	6.26	4.78	4.20	– –
137	ST	3	TO-220	Positive Voltage Regulator For Battery Charger	PB137ACV		**109-5402** ●	1.78	1.36	1.17	0.91	– –
253	MAX	8	SOIC	Oscillator/Power Driver for Isolated RS485/RS422.	MAX253CSA+	SMD	**972-4680** ●	6.43	4.92	3.33	– –	– –
296	ST	15	Multiwatt	4A Switching Regulator. Voltage range 5.1V to 40V.	L296.		**407-987** ▲	13.76	10.53	8.39	6.58	– –
296	ST	15	Multiwatt	4A Switching Regulator. Voltage range 5.1V to 40V.	L296		**109-4207** ●	13.76	10.53	8.39	6.58	– –
334	ST	3	TO-92	3 Terminal Adjustable Current Source	LM334Z.		**408-025** ▲	2.63	2.02	1.73	1.33	– –
334	ST	3	TO-92	3 Terminal Adjustable Current Source	LM334Z		**109-4249** ●	2.63	2.02	1.73	1.33	– –
334	NSC	3	TO-46	3 Terminal Adjustable Current Source - Programmable from 1µA to 10mA. 1V to 40V operation	LM334H		**121-6165** ●	7.48	5.67	4.25	– –	– –
334	NSC	8	SOIC	3 Terminal Adjustable Current Source - Programmable from 1µA to 10mA. 1V to 40V operation	LM334M	SMD	**948-8057** ●	2.27	1.65	1.18	– –	– –
334	NSC	3	TO-92	3 Terminal Adjustable Current Source - Programmable from 1µA to 10mA. 1V to 40V operation	LM334Z		**948-8065** ●	2.27	1.65	1.18	– –	– –
431	TI	8	SOIC	Low voltage Adjustable precision shunt regulator - Vref tol 1%.	TLV431AID	SMD	**110-3114** ●	1.25	0.90	0.67	0.45	– –
431	TI	8	SOIC	Low voltage Adjustable precision shunt regulator - Vref tol 1.5%	TLV431CDBV	SMD	**110-6062**	1.67	1.19	0.90	0.60	– –
472	MAX	8	SOIC	High-Side Current-Sense Amplifier	MAX472ESA+	SMD	**972-5563** ●	12.90	9.87	7.57	– –	– –
494	TI	16	DIL	Switched Mode Controller (Pulse Width Modulator) Push-Pull. On-chip oscillator, error amplifier and 5V reference	TL494CN..		**408-037**	1.95	1.56	1.22	0.85	– –
494	TI	16	DIL	Switched Mode Controller (Pulse Width Modulator) Push-Pull. On-chip oscillator, error amplifier and 5V reference	TL494CN		**110-6036** ●	1.02	0.73	0.55	0.37	– –
494	TI	16	SOIC	Pulse-Width-Modulation (PWM) Control Circuit	TL494CDG4	SMD	**959-3624** ●	1.71	1.36	1.09	0.74	– –
494	TI	16	SOIC	Pulse-Width-Modulation (PWM) Control Circuit	TL494IDG4	SMD	**959-3632** ●	1.47	1.05	0.79	0.53	– –
494	TI	16	DIL	Pulse-Width-Modulation (PWM) Control Circuit	TL494ING4		**959-3640** ●	1.44	1.03	0.77	0.52	– –
497	TI	14	DIL	500mA Switching Regulator	TL497ACN..		**408-062**	7.30	5.59	4.27	3.75	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
497	TI	14	DIL	500mA Switching Regulator	TL497ACN	110-6037	2.82	2.24	1.76	1.22	– –
591	TI	32	HLQFP	High Efficiency PWM Power Driver	DRV591VFP	SMD 121-2390	20.57	17.67	15.24	13.71	– –
591	TI	32	HLQFP	High Efficiency PWM Power Driver	DRV591VFP..	SMD 846-6599	20.30	17.44	15.05	13.53	– –
593	TI	32	HLQFP	HIGH Efficiency PWM Power Driver	DRV593VFPR	SMD 121-2391	19.26	16.55	14.27	12.84	– –
593	TI	32	HLQFP	HIGH Efficiency PWM Power Driver	DRV593VFPR.	SMD 846-6610	17.23	14.80	12.77	11.48	– –
608	MAX	8	DIL	5V (adjustable), Step-Up DC-DC Controller. Input 1.8V to 16.5V	MAX608EPA	787-528	7.72	5.91	4.00	– –	– –
619	MAX	8	DIL	5V, Step-Up Charge-Pump DC-DC Converter. Input 2V to 3.6V	MAX619CPA	702-614	7.72	5.91	4.00	– –	– –
629	MAX	8	SOIC	28V, Low Power, High Voltage Boost or Inverting DC/DC Converter	MAX629ESA+	SMD 972-5679	15.24	11.66	7.90	– –	– –
631	MAX	8	DIL	+5V (adjustable) CMOS Step-Up Switching Regulator	MAX631ACPA	246-475	12.12	9.28	6.29	– –	– –
638	MAX	8	DIL	+5V (adjustable) CMOS Step-Down Switching Regulator	MAX638ACPA+	118-7930	12.12	9.28	6.29	– –	– –
639	MAX	8	DIL	5.5V to 11.5VIN/5V or adjustable out, Step-Down Switching Regulator	MAX639CPA	459-604	13.82	10.58	7.17	– –	– –
639	MAX	8	SOIC	5.5V to 11.5Vin/5V or adjustable output, Step-down Switching Regulator	MAX639CSA+	SMD 972-5008	16.99	13.00	8.81	– –	– –
641	MAX	8	DIL	+5V (adjustable) CMOS, 10W Step-Up Switching Regulator	MAX641ACPA	246-487	13.75	10.52	7.13	– –	– –
641	MAX	8	SOIC	+5V (adjustable) CMOS, 10W, Step up Switching Regulator, 5% O/P accuracy	MAX641ACSA+	SMD 118-7955	16.07	12.30	8.33	– –	– –
660	MAX	8	DIL	CMOS Voltage Converter, operates 1.5 to 5.5V (high current ICL7660 upgrade)	MAX660CPA+	118-7928	15.45	11.82	8.01	– –	– –
660	NSC	8	SOIC	CMOS, Voltage inverter/doubler, operates 1.5 to 5.5V, high output current	MAX660M	SMD 948-6291	3.74	2.61	1.86	– –	– –
660	MAX	8	SOIC	CMOS Voltage Converter, operates 1.5 to 5.5V (high current ICL7660 upgrade)	MAX660CSA+	SMD 972-4672	16.45	12.59	8.53	– –	– –
662	MAX	8	DIL	30mA, 12V Output, charge-pump DC/DC Converter, provides output to program byte wide FLASH memories	MAX662ACPA+	118-7942	9.19	7.03	4.76	– –	– –
662	MAX	8	SOIC	30mA, 12V Output, charge-pump DC/DC Converter, provides output to program byte wide FLASH memories	MAX662ACSA+	SMD 972-4605	9.35	7.15	4.85	– –	– –
662	MAX	8	SOIC	30mA, 12V Output, charge-pump DC/DC Converter, provides output to program byte wide FLASH memories. (IND TEMP)	MAX662AESA+	SMD 972-4613	12.97	9.93	6.73	– –	– –
667	MAX	8	DIL	+5V / programmable low dropout voltage regulator with 250mA output current.	MAX667CPA+	118-7967	14.13	10.81	7.33	– –	– –
667	MAX	8	SOIC	5V, Programmable LDO Voltage Regulator (IND TEMP)	MAX667ESA+	SMD 972-5695	18.78	15.06	10.20	– –	– –
668	MAX	10	SOIC	PWM Step-up Controller (IND TEMP).	MAX668EUB+	SMD 972-5709	10.96	8.62	5.84	– –	– –
680	MAX	8	DIL	CMOS, Dual Output Voltage Converter, +5V to ±10V	MAX680CPA+	118-7929	8.81	6.74	4.57	– –	– –
680	MAX	8	SOIC	CMOS, Dual Output Voltage Converter, +5V to ±10V	MAX680CSA+	SMD 972-5717	11.57	8.85	6.00	– –	– –
710	TI	6	SOP	DC-DC Converter, 30MA 3.3V	REG710NA-3.3/250G4	SMD 120-7264	3.03	2.32	1.71	1.48	– –
710	TI	6	SOP	DC-DC Converter, 50MA 5.0V	REG710NA-5/250G4	SMD 120-7265	3.03	2.32	1.71	1.48	– –
712	MAX	16	DIL	Fast Charge Controller optimised for NiMH batteries that can also be used with NiCd (slight undercharge). Uses zero voltage-slope detection	MAX712CPE+	118-7977	15.06	11.52	7.81	– –	– –
713	MAX	16	DIL	NiCd/NiMH Battery fast-charge controller	MAX713CPE+	118-7938	12.69	10.58	9.05	– –	– –
713	MAX	16	SOIC	Fast Charge Controller for NiCd/NiMH battery	MAX713CSE+	SMD 972-6403	16.14	12.35	8.37	– –	– –
724	MAX	5	TO-220	5A, Step-down, Switch mode DC/DC regulator	MAX724CCK.	490-5131	22.40	17.14	11.51	– –	– –
738	MAX	8	DIL	5V, Step-Down, Current-Mode PWM DC-DC Converter. Input 6V to 16V.	MAX738ACPA+	118-8006	10.66	8.15	5.53	– –	– –
743	MAX	16	DIL	Dual-Output, Switch-Mode Regulator (+5V to ±15V or ±12V)	MAX743CPE+	118-7931	22.01	16.84	11.31	– –	– –
743	MAX	16	SOIC	Dual-Output, Switch-Mode Regulator (+5V to ±15V or ±12V)	MAX743CWE+	SMD 972-5733	27.98	21.41	14.37	– –	– –
749	MAX	8	SOIC	LCD Bias Supply, digitally adjustable	MAX749CSA	SMD 787-700 ‡	11.89	9.10	6.17	– –	– –
749	MAX	8	SOIC	LCD Bias Supply, digitally adjustable	MAX749CSA+	SMD 972-6365	12.93	9.30	6.70	– –	– –
755	ST	8	SO-8	Adjustable Inverting Negative Output Current Mode PWM Regulator	ST755CD	SMD 108-7212	4.30	3.58	2.51	2.12	– –
756	MAX	8	DIL	2VIN/3.3V or 5V out, Step-Up, Switching Regulator	MAX756CPA	459-586	7.96	6.09	4.13	– –	– –
757	MAX	8	DIL	2VIN/Adjustable Output, Step-Up, Switching Regulator	MAX757CPA	459-549	7.96	6.09	4.13	– –	– –
761	MAX	8	DIL	12V (adjustable), Step-Up DC-DC Converter. Input2V to 16.5V	MAX761CPA+	118-8051	9.97	7.63	5.17	– –	– –
761	MAX	8	SOIC	12V (adjustable), Step up DC-DC converter. Input 2V to 16.5V (IND TEMP)	MAX761ESA	SMD 353-4250 ‡	17.06	13.05	8.85	– –	– –
761	MAX	8	SOIC	12V (adjustable), Step up DC-DC converter. Input 2V to 16.5V (IND TEMP)	MAX761ESA+	SMD 972-5024	16.99	13.00	8.81	– –	– –
764	MAX	8	SOIC	-5V high effecency, Inverting Switching Regulator.	MAX764CSA	SMD 353-4261 ‡	12.75	9.78	6.60	– –	– –
764	MAX	8	SOIC	-5V high effecency, Inverting Switching Regulator.	MAX764CSA+	SMD 972-5032	10.74	8.22	5.57	– –	– –
765	MAX	8	DIL	High Efficiency, Inverting Switching Regulator	MAX765CPA	641-650	10.51	8.04	5.45	– –	– –
765	FCH	5	TO-220	Power Switch (SPS). High Voltage power senseFET with integrated current -mode PWM contoller, features extensive overload protection facilities, 650V - 7A continuous drain current	KA5M0765RQCTU	360-6740	11.00	9.16	6.55	5.24	– –
765	MAX	8	SOIC	-12V High efficiency, inverting switching regulator.	MAX765CSA+	SMD 972-5059	13.16	10.34	7.01	– –	– –
771	MAX	8	SOIC	1A, Step up Regulator with 12V or adjustable output	MAX771ESA+	SMD 118-7956	13.59	10.40	7.05	– –	– –
773	MAX	14	DIL	1A, Step-Up Regulator with 5/12/15V output or adjustable with two resistors.	MAX773CPD+	118-8065	8.14	6.80	5.70	– –	– –
774	MAX	8	SOIC	1A - 5V Low IQ Inverting DC-DC Switching Regulator	MAX774CSA+	SMD 972-5741	11.67	8.93	6.05	– –	– –
828	MAX	5	SOT-23	Switched Capacitor Voltage Inverter	MAX828EUK+T	SMD 118-8062	6.49	4.97	3.37	– –	– –
829	MAX	5	SOT-23	CMOS charge-pump switched capacitor voltage inverter. (IND TEMP)	MAX829EUK+T	SMD 118-7966	11.28	8.63	5.85	– –	– –
831	MAX	16	SOIC	5v output, 1A ,step-down, PWM Switch mode DC-DC regulator.	MAX831CWE+	SMD 972-5067	22.94	17.55	11.79	– –	– –
840	MAX	8	SOIC	Low Noise, Regulated GaAs FET Bias with fixed -2V or adjustable - 0.5V to -9.4V Output at 4mA, for Cellular Telephone transmitter amplifiers. (IND TEMP)	MAX840ISA+	SMD 118-8054	7.96	6.09	4.13	– –	– –
845	MAX	8	SOIC	100mA, 5V Transformer Driver	MAX845ESA+	SMD 972-5792	9.03	6.50	4.68	– –	– –
856	MAX	8	SOIC	3.3V/5V pin-selectable output, step-up DC-DC converter	MAX856CSA	SMD 353-4364 ‡	8.50	6.50	4.41	– –	– –
856	MAX	8	SOIC	3.3V/5V pin-selectable output, step-up DC-DC converter	MAX856CSA+	SMD 972-5040	8.50	6.50	4.41	– –	– –
860	MAX	8	SOIC	CMOS Voltage Inverter or Positive Voltage Doubler, High Switching Frequencies, 3 Switching Modes 6, 50 or 130KHz (IND TEMP)	MAX860ISA+	SMD 972-6020	7.65	5.85	3.97	– –	– –
861	MAX	8	SOIC	CMOS Voltage Inverter or Positive Voltage Doubler, High Switching Frequencies, 3 Switching Modes 13, 100 or 250KHz (IND TEMP).	MAX861ISA+	SMD 118-7945	6.56	5.02	3.40	– –	– –
868	MAX	10	µMAX	Regulated, Adjustable -2x Inverting Charge Pump	MAX868EUB+	972-3730	7.96	6.09	4.13	– –	– –
965	FCH	5	TO-3P-5L	Power Switch (SPS). High Voltage power senseFET with integrated current-mode PWM controller, features extensive overload protection facilities, 650V - 9A continuous drain current	KA5M0965QTU	360-6752	14.45	12.04	8.60	6.88	– –
1020	LT	16	SOIC	Micropower Regulator and Comparator	LT1020CSW	SMD 476-7020	14.22	11.85	9.48	– –	– –
1020	LT	16	SOIC	Micropower Regulator and Comparator	LT1020CSW#PBF	SMD 955-9434	14.66	9.40	7.64	– –	– –
1033	ADI	16	QSOP	Single-Channel Remote and Local Temperature Sensor and Fan Controller	ADM1033ARQZ	SMD 107-8221	10.42	8.69	6.95	– –	– –
1034	ADI	16	QSOP	Dual-Channel Remote and Local Temperature Sensor and Fan Controller	ADM1034ARQZ	SMD 107-8220	10.80	9.00	7.20	– –	– –
1041	ADI	24	QSOP	Secondary-Side Controller with Current Share and Housekeeping.	ADM1041AARQZ	SMD 107-8218	11.55	10.59	– –	– –	– –
1041	ADI	24	QSOP	Secondary-Side Controller with Current Share and Housekeeping.	ADM1041ARQZ	SMD 107-8219	11.55	10.59	– –	– –	– –
1044	LT	8	DIL	CMOS Voltage Converter operates 1.5 to 9V. Provides voltage inversion. Voltage doubling	LTC1044CN8	408-086	6.53	4.16	3.38	– –	– –
1044	MCHIP	8	DIL	CMOS Voltage Converter operates 1.5 to12V. Provides voltage inversion.	TC1044SCPA	119-6840	2.65	1.93	1.75	– –	– –
1044	LT	8	DIL	CMOS Voltage Converter operates 1.5 to 9V. Provides voltage inversion. Voltage doubling	LTC1044CN8#PBF	956-0734	6.53	4.16	3.38	– –	– –
1046	LT	8	DIL	CMOS Voltage Converter, operates 1.5 to 6V.	LTC1046CN8	638-420	8.10	5.33	4.33	– –	– –
1046	LT	8	DIL	CMOS Voltage Converter, operates 1.5 to 6V.	LTC1046CN8#PBF	956-0742	8.36	5.33	4.33	– –	– –
1054	LT	8	DIL	Switched Capacitor Voltage Converter, 100mA	LT1054CN8	408-098	10.84	6.91	5.61	– –	– –
1054	LT	8	SOIC	Switched Capacitor Voltage Converter with Regulator	LT1054CS8	SMD 476-7056	11.37	9.66	8.28	– –	– –
1054	LT	8	DIL	Switched Capacitor Voltage Converter, 100mA	LT1054CN8#PBF	955-9515	10.84	6.91	5.61	– –	– –
1054	LT	8	SOIC	Switched Capacitor Voltage Converter with Regulator	LT1054CS8#PBF	SMD 955-9523	11.73	7.52	6.11	– –	– –
1062	ADI	40	LFCSP	Multisupply Supervisor/Sequencer with Margining Control	ADM1062ACPZ	SMD 107-8216	19.11	17.43	– –	– –	– –
1062	ADI	48	TQFP	Multisupply Supervisor/Sequencer with Margining Control	ADM1062ASUZ	SMD 107-8217	19.11	17.43	– –	– –	– –
1063	ADI	40	LFCSP	Multisupply Supervisor/Sequencer with ADC and Temperature Monitoring	ADM1063ACPZ	SMD 107-8213	17.58	15.99	– –	– –	– –
1063	ADI	48	TQFP	Multisupply Supervisor/Sequencer with ADC and Temperature Monitoring	ADM1063ASUZ	SMD 107-8214	17.58	15.99	– –	– –	– –
1066	ADI	40	LFCSP	Multisupply Supervisor/Sequencer with Margining Control	ADM1066ACPZ	SMD 107-8211	18.21	16.53	– –	– –	– –
1066	ADI	48	TQFP	Multisupply Supervisor/Sequencer with Margining Control	ADM1066ASUZ	SMD 107-8212	18.21	16.53	– –	– –	– –
1068	ADI	32	LQFP	Compact Multisupply Supervisor/Sequencer	ADM1068ASTZ	SMD 107-8210	8.88	7.65	– –	– –	– –
1069	ADI	32	LQFP	Compact Multisupply Supervisor/Sequencer with Margining Control.	ADM1069ASTZ	SMD 107-8209	9.15	8.28	– –	– –	– –
1070	LT	5	TO-220	5A Switching Regulator optimised for use in Step-Up, "boost" and other configurations	LT1070CT#PBF	955-9558	23.64	15.06	12.12	– –	– –
1071	LT	5	TO-220	2.5A Switching Regulator as LT1070CT	LT1071CT	408-130	18.02	11.48	9.33	– –	– –
1071	LT	5	TO-220	2.5A Switching Regulator as LT1070CT	LT1071CT#PBF	955-9566	18.02	11.48	9.33	– –	– –
1072	LT	5	TO-220	1.25A Switching Regulator as LT1070CT	LT1072CT	408-141	12.51	7.97	6.48	– –	– –
1072	LT	8	DIL	1.25A High Efficiency Switching Regulator	LT1072CN8	476-7081	9.82	6.26	5.08	– –	– –
1072	LT	8	DIL	1.25A High Efficiency Switching Regulator	LT1072CN8#PBF	955-9574	9.82	6.26	5.08	– –	– –
1072	LT	5	TO-220	1.25A Switching Regulator as LT1070CT	LT1072CT#PBF	955-9582	12.51	7.97	6.48	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1073	LT	8	DIL	Micropower Switching Regulator with a minimum supply voltage of 1V. Step-Up/ Step-Down modes, adjustable output	LT1073CN8	295-917▲	12.23	7.79	6.33	– –	– –
1073	ADI	14	TSSOP	-48V Full Feature Hot Swap Controller	ADM1073ARUZ	SMD 107-8208●	6.16	5.13	4.10	– –	– –
1073	LT	8	DIL	Micropower Switching Regulator with a minimum supply voltage of 1V. Step-Up/ Step-Down modes, adjustable output	LT1073CN8#PBF	955-9590●	12.23	7.79	6.33	– –	– –
1074	LT	5	TO-220	5A Switching Regulator optimised for use in Step-Down, "flyback" and other configurations. Input 5 to 45V	LT1074CT	246-608▲	19.33	12.31	10.00	– –	– –
1074	LT	5	TO-220	Step down Switching Regulator	LT1074HVCT	476-7093▲	26.28	22.38	19.17	– –	– –
1074	LT	5	TO-220	Step down Switching Regulator	LT1074IT	476-7100▲	23.67	20.13	17.25	– –	– –
1074	LT	5	TO-220	5A Switching Regulator optimised for use in Step-Down, "flyback" and other configurations. Input 5 to 45V	LT1074CT#PBF	955-9604●	19.33	12.31	10.00	– –	– –
1074	LT	5	TO-220	Step down Switching Regulator	LT1074HVCT#PBF	955-9612●	27.14	17.39	14.01	– –	– –
1074	LT	5	TO-220	Step down Switching Regulator	LT1074IT#PBF	955-9620●	24.44	15.66	12.62	– –	– –
1076	LT	5	TO-220	2A Adj. Switching Regulator as LT1074CT	LT1076CT	295-930▲	14.46	9.21	7.48	– –	– –
1076	LT	5	D2-Pak	Step down Switching Regulator	LT1076CQ	SMD 476-7111▲	14.22	12.09	10.35	– –	– –
1076	LT	5	TO-220	Step down Switching Regulator	LT1076CT-5	476-7123▲	12.33	10.47	8.97	– –	– –
1076	LT	5	D2-Pak	Step down Switching Regulator	LT1076CQ#PBF	SMD 955-9639●	14.66	9.40	7.64	– –	– –
1076	LT	5	TO-220	2A Adj. Switching Regulator as LT1074CT	LT1076CT#PBF	955-9647●	14.46	9.21	7.48	– –	– –
1076	LT	5	TO-220	Step down Switching Regulator	LT1076CT-5#PBF	955-9655●	12.71	8.14	6.62	– –	– –
1100	TI	8	SOIC	Power Distribution Switch	TPS1100D	SMD 845-6658●	2.76	2.20	1.73	1.20	– –
1109	LT	8	DIL	Micropower Step-Up Switching Regulator. 5V to 12V boost specifically designed for FLASH memory	LT1109ACN8-12	295-905▲	9.14	5.82	4.73	– –	– –
1109	LT	8	DIL	Micropower Step-Up Switching Regulator. 5V to 12V boost specifically designed for FLASH memory	LT1109ACN8-12#PBF	113-6610●	8.56	5.49	4.46	– –	– –
1109	LT	8	SOIC	Micropower DC/DC converter Flash memory VPP Generator	LT1109ACS8	SMD 476-7196▲	8.31	6.93	5.55	– –	– –
1109	LT	8	SOIC	12V Micropower DC/DC converter Flash memory VPP Generator	LT1109ACS8-12	SMD 476-7202▲	8.28	7.08	6.03	– –	– –
1109	LT	8	SOIC	12V Micropower DC/DC converter Flash memory VPP Generator	LT1109CS8-12	SMD 476-7214▲	8.31	6.93	5.55	– –	– –
1109	LT	8	SOIC	Micropower DC/DC converter Flash memory VPP Generator	LT1109ACS8#PBF	SMD 955-9949●	8.56	5.49	4.46	– –	– –
1109	LT	8	SOIC	12V Micropower DC/DC converter Flash memory VPP Generator	LT1109ACS8-12#PBF	SMD 955-9957●	8.56	5.49	4.46	– –	– –
1109	LT	8	SOIC	12V Micropower DC/DC converter Flash memory VPP Generator	LT1109CS8-12#PBF	SMD 955-9965●	8.56	5.49	4.46	– –	– –
1111	LT	8	DIL	Micropower DC/DC Coverter	LT1111CN8	476-7226▲	8.07	6.72	5.37	– –	– –
1111	LT	8	SOIC	Micropower DC/DC Coverter Adjustable	LT1111CS8	SMD 476-7238▲	10.63	6.77	5.50	– –	– –
1111	LT	8	DIL	Micropower DC/DC Coverter	LT1111CN8#PBF	955-9973●	8.33	5.34	4.34	– –	– –
1111	LT	8	SOIC	Micropower DC/DC Coverter Adjustable	LT1111CS8#PBF	SMD 955-9981●	10.63	6.77	5.50	– –	– –
1120	TI	8	SOIC	Power Distribution Switch, Dual	TPS1120D	SMD 845-6674●	3.42	2.62	1.93	1.67	– –
1148	LT	14	DIL	High Efficiency, Synchronous Step-Down Switching Regulator	LTC1148HVCN	638-316▲	17.24	10.98	8.92	– –	– –
1149	LT	16	DIL	High Efficiency, Synchronous Step-Down Switching Regulator	LTC1149CN#PBF	113-6640●	18.81	12.05	9.80	– –	– –
1150	IR	8	SOIC	One Cycle Control, Power Factor Correction	IR1150ISTRPBF	SMD 108-1506●	6.68	4.80	3.66	3.15	– –
1150	IR	8	SOIC	One Cycle Control, Power Factor Correction	IR1150STRPBF	SMD 108-1507●	5.49	3.94	3.00	2.58	– –
1170	LT	5	TO-220	5A, High Efficiency, Switching Regulator optimised for use in Step-Up, "boost" and other configurations (enhanced LT1070CT)	LT1170CT	525-870▲	22.20	14.14	11.38	– –	– –
1170	LT	5	TO-220	High Efficiency Switching Regulators	LT1170HVCT	476-7263▲	26.04	22.14	18.99	– –	– –
1170	LT	5	TO-220	5A, High Efficiency, Switching Regulator optimised for use in Step-Up, "boost" and other configurations (enhanced LT1070CT)	LT1170CT#PBF	956-0157●	22.20	14.14	11.38	– –	– –
1170	LT	5	TO-220	High Efficiency Switching Regulators	LT1170HVCT#PBF	956-0165●	26.90	17.24	13.89	– –	– –
1171	LT	5	TO-220	2.5A High Efficiency Switching Regulators	LT1171CT	476-7275▲	16.35	13.89	11.91	– –	– –
1171	LT	5	TO-220	2.5A High Efficiency Switching Regulators	LT1171CT#PBF	956-0173●	16.85	10.80	8.78	– –	– –
1172	LT	8	DIL	1.25A, High Efficiency, Switching Regulator as LT1170CT (enhanced LT1072CT)	LT1172CN8	525-881▲	9.73	6.20	5.04	– –	– –
1172	LT	8	SOIC	1.25A High Efficiency Switching Regulators	LT1172CS8	SMD 476-7287▲	9.63	8.16	7.02	– –	– –
1172	LT	8	DIL	1.25A, High Efficiency, Switching Regulator as LT1170CT (enhanced LT1072CT)	LT1172CN8#PBF	956-0181●	9.73	6.20	5.04	– –	– –
1172	LT	8	SOIC	1.25A High Efficiency Switching Regulators	LT1172CS8#PBF	SMD 956-0190●	10.45	6.74	5.48	– –	– –
1173	LT	8	DIL	Micropower DC/DC Converter	LT1173CN8	476-7299▲	8.04	6.84	5.88	– –	– –
1173	LT	8	SOIC	Micropower DC/DC Converter	LT1173CS8	SMD 476-7305▲	9.24	7.86	6.75	– –	– –
1173	LT	8	DIL	Micropower DC/DC Converter	LT1173CN8#PBF	956-0203●	8.33	5.34	4.34	– –	– –
1173	LT	8	SOIC	Micropower DC/DC Converter	LT1173CS8#PBF	SMD 956-0211●	9.54	6.11	4.97	– –	– –
1174	LT	8	DIL	High Efficiency, CMOS Step-Down and Inverting Voltage Converter	LTC1174CN8	569-094▲	13.58	8.65	7.03	– –	– –
1174	LT	8	SOIC	Current Mode DC/DC Converter	LTC1174CS8	SMD 476-7536▲	13.02	11.07	9.51	– –	– –
1174	LT	8	SOIC	5V Current Mode DC/DC Converter	LTC1174CS8-5	SMD 476-7548▲	13.02	11.07	9.51	– –	– –
1174	LT	8	DIL	High Efficiency, CMOS Step-Down and Inverting Voltage Converter	LTC1174CN8#PBF	956-0904●	13.58	8.65	7.03	– –	– –
1174	LT	8	SOIC	Current Mode DC/DC Converter	LTC1174CS8#PBF	SMD 956-0912●	13.45	8.62	7.01	– –	– –
1174	LT	8	SOIC	5V Current Mode DC/DC Converter	LTC1174CS8-5#PBF	SMD 956-0920●	12.71	8.14	6.62	– –	– –
1265	LT	14	SOIC	1.2A, High Efficiency, CMOS Step-Down Current Mode Converter	LTC1265CS	SMD 641-261▲	14.37	9.15	7.43	– –	– –
1265	LT	14	SOIC	1.2A, High Efficiency, CMOS Step-Down Current Mode Converter	LTC1265CS#PBF	SMD 113-6642●	13.45	8.62	7.01	– –	– –
1303	LT	8	DIL	Micropower, Step-up Voltage Converter with Low Battery Detector, adjustable output	LT1303CN8	569-069▲	9.93	6.32	5.14	– –	– –
1303	LT	8	DIL	5V Micropower DC/DC Converter	LT1303CN8-5	476-7366▲	9.00	7.50	6.00	– –	– –
1303	LT	8	DIL	Micropower, Step-up Voltage Converter with Low Battery Detector, adjustable output	LT1303CN8#PBF	956-0378●	9.93	6.32	5.14	– –	– –
1303	LT	8	DIL	5V Micropower DC/DC Converter	LT1303CN8-5#PBF	956-0386●	9.31	5.96	4.85	– –	– –
1307	LT	8	DIL	600kHz, PWM DC-DC Converter	LT1307CN8	796-311▲	8.62	5.49	4.46	– –	– –
1307	LT	8	SOIC	Single Cell Micropower PWM DC/DC	LT1307CS8	SMD 476-7378▲	7.83	6.63	5.70	– –	– –
1307	LT	8	DIL	600kHz, PWM DC-DC Converter	LT1307CN8#PBF	956-0394●	8.62	5.49	4.46	– –	– –
1307	LT	8	SOIC	Single Cell Micropower PWM DC/DC	LT1307CS8#PBF	SMD 956-0408●	8.05	5.16	4.20	– –	– –
1372	LT	8	DIL	500kHz High Efficiency 1.5A Switching Regulator	LT1372CN8#PBF	113-6619●	12.71	8.14	6.62	– –	– –
1372	LT	8	DIL	500kHz High Efficiency 1.5A Switching Regulator	LT1372CN8	386-2203▲	14.46	9.21	7.48	– –	– –
1375	LT	8	DIL	Step-down, 5.0V, Switching Regulator, 1.5A, 500kHz	LT1375CN8-5#PBF	113-6620●	12.71	8.14	6.62	– –	– –
1375	LT	8	DIL	Step-down, Adj. Switching Regulator, 1.5A, 500kHz	LT1375CN8	386-2239▲	14.46	9.21	7.48	– –	– –
1375	LT	8	DIL	Step-down, Adj. Switching Regulator, 1.5A, 500kHz	LT1375CN8#PBF	956-0491●	14.46	9.21	7.48	– –	– –
1376	LT	8	DIL	Step-down Adj. Switching Regulator 1.5A, 500kHz	LT1376CN8#PBF	113-6621●	12.71	8.14	6.62	– –	– –
1376	LT	8	DIL	Step-down Adj. Switching Regulator 1.5A, 500kHz	LT1376CN8	386-2276▲	14.46	9.21	7.48	– –	– –
1376	LT	8	DIL	Step-down 5.0V Switching Regulator 1.5A, 500kHz	LT1376CN8-5	386-2288▲	14.46	9.21	7.48	– –	– –
1376	LT	8	DIL	Step-down Adj. Switching Regulator 1.5A, 500kHz (IND TEMP)	LT1376IN8	386-2290▲	17.52	11.16	9.07	– –	– –
1376	LT	8	DIL	Step-down 5.0V Switching Regulator 1.5A, 500kHz	LT1376CN8-5#PBF	956-0505●	14.46	9.21	7.48	– –	– –
1376	LT	8	DIL	Step-down Adj. Switching Regulator 1.5A, 500kHz (IND TEMP)	LT1376IN8#PBF	956-0513●	17.52	11.16	9.07	– –	– –
1422	LT	8	DIL	Hot Swap Controller	LTC1422CN8#PBF	113-6629●	10.01	6.41	5.22	– –	– –
1422	LT	8	DIL	Hot Swap Controller	LTC1422CN8	386-2537▲	10.96	6.98	5.67	– –	– –
1451	TI	16	SOIC	Dual PWM power control circuit	TL1451ACD	SMD 110-3110	4.40	3.37	2.48	2.14	– –
1507	LT	8	SOIC	Monolithic Buck Switching Regulator	LT1507CS8	SMD 476-7380▲	12.78	10.86	9.33	– –	– –
1507	LT	8	SOIC	Monolithic Buck Switching Regulator	LT1507CS8#PBF	SMD 956-0564●	13.22	8.47	6.89	– –	– –
1512	LT	8	SOIC	SEPIC Constant Current/Voltage Battaery Charger	LT1512CS8	SMD 476-7391▲	13.26	11.25	9.66	– –	– –
1512	LT	8	SOIC	SEPIC Constant Current/Voltage Battaery Charger	LT1512CS8#PBF	SMD 956-0572●	13.68	8.77	7.13	– –	– –
1513	LT	7	D2-Pak	SEPIC Constant/Programmable Current Battery Charger	LT1513CR	SMD 476-7408▲	17.28	14.73	12.60	– –	– –
1513	LT	7	D2-Pak	SEPIC Constant/Programmable Current Battery Charger	LT1513CR#PBF	SMD 956-0580●	17.83	11.43	9.29	– –	– –
1521	PS	8	DIL	Switched Mode Power Supply (SMPS) Converter	TEA1521P/N2.112	880-0499●	2.90	1.95	1.63	– –	– –
1522	PS	8	DIL	Switched Mode Power Supply (SMPS) Converter	TEA1522P/N2.112	880-0502●	3.42	2.31	1.86	– –	– –
1523	PS	8	DIL	Switched Mode Power Supply (SMPS) Converter	TEA1523P/N2.112	880-0510●	4.07	2.80	2.21	– –	– –
1574	LT	16	SOIC	High Efficiency, CMOS Step-Down Current Mode Converter	LTC1574CS	SMD 641-250▲	17.76	11.32	9.19	– –	– –
1574	LT	16	SOIC	High Efficiency, CMOS Step-Down Current Mode Converter	LTC1574CS#PBF	SMD 956-1285●	17.76	11.32	9.19	– –	– –
1585	LT	3	TO-263 (D2-Pak)	LDO Positive Regulator	LT1585CM	SMD 476-7433▲	16.88	10.75	8.94	– –	– –
1585	LT	3	TO-263 (D2-Pak)	LDO Positive Regulator	LT1585CM#PBF	SMD 956-0637●	16.88	10.75	8.94	– –	– –
1587	LT	3	TO-220	LDO Positive Regulator	LT1587CT	476-7445▲	11.13	9.45	8.10	– –	– –
1587	LT	3	TO-220	3.3V LDO Positive Regulator	LT1587CT-3.3	476-7457▲	11.13	9.45	8.10	– –	– –
1587	LT	3	TO-220	LDO Positive Regulator	LT1587CT#PBF	956-0645●	11.50	7.37	5.99	– –	– –
1587	LT	3	TO-220	3.3V LDO Positive Regulator	LT1587CT-3.3#PBF	956-0653●	11.50	7.37	5.99	– –	– –
1612	MCHIP	8	MSOP	Single 1A 1.4 MHz Synchronous Buck Regulator	MCP1612-ADJI/MS	SMD 875-2915●	5.00	2.93	2.93	– –	– –

RoHS ● Compliant ▲ Non-compliant + Limited stock - RoHS replacement available

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1550 Date: 22-08-06 time: 02:48

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1615	MAX	5	SOT-23	High-voltage, Low-power, Linear Regulator for RAM and Microcontroller power (IND TEMP)	MAX1615EUK+	SMD 972-4060	4.25	3.25	2.20	– –	– –
1626	MAX	8	SOIC	3.3V/5V output step-down DC/DC controller with 100% duty cycle. (IND TEMP)	MAX1626ESA+	SMD 972-5342	10.49	8.03	5.44	– –	– –
1630	MCHIP	8	MSOP	High-Speed, Microcontroller-Adaptable, Pulse Width Modulator	MCP1630-E/MS	SMD 921-8432	3.08	1.81	1.81	– –	– –
1640	MAX	16	QSOP	Adjustable output, switch-mode current sources with synchronous rectifier	MAX1640EEE	SMD 493-958 ▲‡	12.51	9.58	6.49	– –	– –
1640	MAX	16	QSOP	Adjustable output, switch-mode current sources with synchronous rectifier (QSOP)	MAX1640EEE+	SMD 972-5822	16.15	12.36	8.37	– –	– –
1644	MAX	16	SSOP	2A low voltage step-down regulator with synchronoue rectification and internal switches	MAX1644EAE	SMD 490-4679 ▲‡	19.68	15.06	10.20	– –	– –
1644	MAX	16	SSOP	2A low voltage step-down regulator with synchronoue rectification and internal switches	MAX1644EAE+	SMD 972-5350	22.81	17.46	11.72	– –	– –
1676	LT	8	DIL	Wide Input Range, High Efficiency stepdown Switching Regulator (IND TEMP)	LT1676IN8#PBF	113-6624	11.73	7.52	6.11	– –	– –
1676	LT	8	DIL	Wide Input Range, High Efficiency stepdown Switching Regulator	LT1676CN8	386-2392 ▲	11.68	7.44	6.04	– –	– –
1676	LT	8	DIL	Wide Input Range, High Efficiency stepdown Switching Regulator (IND TEMP)	LT1676IN8	386-2409 ▲	12.83	8.18	6.64	– –	– –
1676	LT	8	DIL	Wide Input Range, High Efficiency stepdown Switching Regulator	LT1676CN8#PBF	956-0661	11.68	7.44	6.04	– –	– –
1676	MAX	10	SOIC	High Efficiency, Low-Supply Current, step-up DC/DC converter	MAX1676EUB+	SMD 972-4079	12.38	9.47	6.42	– –	– –
1680	MAX	8	SOIC	125mA frequency-selectable switched capacitor voltage converter	MAX1680ESA+	SMD 972-5369	12.14	9.29	6.30	– –	– –
1692	MAX	10	SOIC	5.5V input, PWM, DC/DC step-down Regulator	MAX1692EUB+	SMD 972-4087	14.38	11.00	7.46	– –	– –
1702	LT	24	SSOP	Dual, 550kHz Synchronous 2-Phase Switching Regulator Controller	LTC1702CGN#PBF	SMD 113-6632	19.32	12.38	10.07	– –	– –
1702	LT	24	SSOP	Dual, 550kHz Synchronous 2-Phase Switching Regulator Controller	LTC1702CGN	SMD 386-2598 ▲	21.97	13.99	11.26	– –	– –
1702	LT	24	SSOP	Dual, 550kHz Synchronous 2-Phase Switching Regulator Controller (IND TEMP)	LTC1702IGN	SMD 386-2604 ▲	24.19	15.41	12.40	– –	– –
1702	LT	24	SSOP	Dual, 550kHz Synchronous 2-Phase Switching Regulator Controller (IND TEMP)	LTC1702IGN#PBF	SMD 956-1315	24.19	15.41	12.40	– –	– –
1703	MAX	16	SOIC	5V/adjustable, high efficiency, low noise Step-up DC-DC convertor	MAX1703ESE	SMD 355-7558 ▲‡	21.86	16.73	11.23	– –	– –
1703	MAX	16	SOIC	5V/adjustable, high efficiency, low noise Step-up DC-DC convertor	MAX1703ESE+	SMD 972-5075	25.03	19.15	12.86	– –	– –
1705	MAX	16	QSOP	High Efficiency, High-Current, step-up DC/DC converter with Linear Regulator output. (QSOP, IND TEMP)	MAX1705EEE	SMD 301-2670 ▲‡	15.06	11.52	7.81	– –	– –
1705	MAX	16	QSOP	High Efficiency, High-Current, step-up DC/DC converter with Linear Regulator output. (QSOP, IND TEMP)	MAX1705EEE+	SMD 972-4095	20.25	15.50	10.50	– –	– –
1706	MAX	16	QSOP	High efficiency, high current, step up DC/DC converter with linear regulator output and internal 0.5A N-channel MOSFET switch	MAX1706EEE+	SMD 118-7951	16.45	12.59	8.53	– –	– –
1707	ST	8	SOIC	Intelligent Power Switch, 0.5Amp, 6 to 48V, High or Low side configuration	E-TDE1707BFP	SMD 113-1993	10.74	8.22	6.54	5.14	– –
1707	ST	8	SOIC	Intelligent Power Switch, 0.5Amp, 6 to 48V, High or Low side configuration	TDE1707BFP	SMD 323-6420 ▲	10.74	8.22	6.54	5.14	– –
1735	LT	16	SSOP	High Efficiency Synchronous Step-down Switching Regulator	LTC1735CGN#PBF	SMD 113-6633	13.45	8.62	7.01	– –	– –
1735	LT	16	SSOP	High Efficiency Synchronous Step-down Switching Regulator	LTC1735CGN	SMD 386-2616 ▲	15.29	9.74	7.91	– –	– –
1745	MAX	10	SOIC	High voltage (36V) step-down DC/DC controller	MAX1745EUB+	SMD 972-5377	17.70	13.54	9.18	– –	– –
1766	LT	16	SSOP	High Voltage, Stepdown Switching Regulator, 200kHz, 1.5A	LT1766EGN	SMD 386-2410 ▲	16.41	10.45	8.49	– –	– –
1766	LT	16	SSOP	High Voltage, Stepdown Switching Regulator, 200kHz, 1.5A (IND TEMP)	LT1766IGN	SMD 386-2422 ▲	19.10	12.17	9.88	– –	– –
1766	LT	16	SSOP	High Voltage, Stepdown Switching Regulator, 200kHz, 1.5A	LT1766EGN#PBF	SMD 956-0670	16.41	10.45	8.49	– –	– –
1766	LT	16	SSOP	High Voltage, Stepdown Switching Regulator, 200kHz, 1.5A (IND TEMP)	LT1766IGN#PBF	SMD 956-0688	19.10	12.17	9.88	– –	– –
2000	B'MARQ	8	SOIC	Programmable multi-chemistry fast charge management IC with temperature rate of change detection	BQ2000SN-B5	SMD 110-1394	7.48	5.72	4.37	3.84	– –
2000	TI	8	SOIC	Multichemistry Charge Management IC	BQ2000TSN-B5	SMD 121-2295	7.48	5.72	4.37	3.84	– –
2000	TI	8	SOIC	Multichemistry Charge Management IC	BQ2000TSN-B5.	SMD 840-9625	7.43	5.68	4.34	3.82	– –
2002	TI	8	DIL	NiCd/NiMH Fast charge Management IC with Peak Voltage Detection (PVD)	BQ2002PNE4	120-2019	4.62	3.53	2.70	2.37	– –
2002	TI	8	SOIC	NiCd/NiMH Fast charge Management IC with Peak Voltage Detection (PVD)	BQ2002SNG4	SMD 120-2020	4.62	3.53	2.70	2.37	– –
2002	B'MARQ	8	SOIC	NiCd/NiMH Fast charge Management IC with Peak Voltage Detection (PVD)	BQ2002SN	SMD 352-8261	4.62	3.53	2.70	2.37	– –
2002	TI	8	PDIP	NICD/NIMH Fast Charge IC	BQ2002CPN	840-9633	4.62	3.53	2.70	2.37	– –
2002	TI	8	SOIC	NICD/NIMH Fast Charge IC	BQ2002CSN	SMD 840-9641	4.62	3.53	2.70	2.37	– –
2002	TI	8	SOIC	NICD/NIMH Fast Charge IC	BQ2002FSN	SMD 840-9650	4.62	3.53	2.70	2.37	– –
2003	B'MARQ	16	SOIC	NiCd/NiMH fast charge management IC with temperature rate of change detection	BQ2003S-N	SMD 110-1396	9.68	7.41	5.65	4.97	– –
2003	B'MARQ	16	SOIC	NiCd/NiMH fast charge management IC with temperature rate of change detection	BQ2003SN.	SMD 352-8285	9.13	6.99	5.34	4.69	– –
2004	B'MARQ	16	SOIC	NiCd/NiMH fast charge management IC with Peak Voltage (PVD) and volume detection)	BQ2004SN	SMD 110-1398	9.68	7.41	5.65	4.97	– –
2004	TI	16	SOIC	NICD/NIMH Fast Charge IC	BQ2004ESNG4	SMD 120-6881	9.68	7.41	5.65	4.97	– –
2013	TI	16	SOIC	NICD/NIMH/LEAD-ACID Gas Gauge IC	BQ2013HSN-A514G4	SMD 120-6882	14.47	11.07	9.17	8.18	– –
2014	TI	8	SOIC	Power Distribution Switch	TPS2014D	SMD 845-6682	8.80	6.73	5.14	4.52	– –
2014	TI	16	SOIC	NICD/NIMH Gas Gauge IC w/External Charge Control	BQ2014SN-D120	SMD 846-6246	15.05	11.52	9.54	8.51	– –
2020	TI	8	SOIC	Power Distribution Switch	TPS2020D	SMD 845-6690	4.20	3.22	2.37	2.05	– –
2022	TI	8	SOIC	Power Distribution Switch	TPS2022D	SMD 845-6704	4.20	3.22	2.37	2.05	– –
2031	B'MARQ	8	SOIC	Lead acid battery fast charge management controller	BQ2031SN-A5	SMD 110-1401	10.95	8.38	6.94	6.19	– –
2034	TI	8	SOIC	Power Distribution Switch	TPS2034D	SMD 845-6712	4.20	3.22	2.37	2.05	– –
2040	B'MARQ	16	SOIC	Gas gauge battery charge recorder with SMBus interface	BQ2040SN-C408	SMD 110-1402	15.05	11.52	9.54	8.51	– –
2040	B'MARQ	16	SOIC	Gas gauge battery charge recorder with SMBus interface	BQ2040SN.	SMD 352-8364	12.54	9.60	7.95	7.09	– –
2041	TI	8	SOIC	Power Distribution Switch	TPS2041AD	SMD 845-6720	3.32	2.54	1.87	1.62	– –
2041	TI	8	SOIC	Power Distribution Switch	TPS2041D	SMD 845-6739	4.66	3.57	2.72	2.40	– –
2042	TI	8	SOIC	Power Distribution Switch, Dual	TPS2042AD	SMD 845-6747	4.15	3.18	2.34	2.02	– –
2042	TI	8	SOIC	Power Distribution Switch, Dual	TPS2042DR	SMD 845-6763	5.63	4.31	3.29	2.89	– –
2044	TI	16	SOIC	Power Distribution Switch, Quad	TPS2044BD	SMD 845-6780	4.11	3.14	2.31	2.00	– –
2050	TI	16	SOIC	LI-ION Gas Gauge W/HIGH-SP	BQ2050HSN-A508G4	SMD 120-6832	14.47	11.07	9.17	8.18	– –
2057	B'MARQ	8	SOIC	Li-Ion & Li-Pol linear charge management controller 4.1V charge regulation	BQ2057SN	SMD 110-1403	4.40	3.37	2.48	2.14	– –
2057	B'MARQ	8	SOIC	Li-Ion & Li-Pol linear charge management controller 4.2V charge regulation	BQ2057CSN	SMD 110-1404	4.40	3.37	2.48	2.14	– –
2057	TI	8	SOIC	LI-ION LDO Charge Manager	BQ2057WSN	SMD 121-2263	5.28	4.04	3.08	2.71	– –
2057	TI	8	TSSOP	Li-Ion & Li-Pol linear charge management controller 8.4V charge regulation	BQ2057WTSG4	SMD 121-4427	5.28	4.04	3.08	2.71	– –
2057	TI	8	SOIC	LI-ION LDO Charge Manager	BQ2057WSN.	SMD 840-7800	4.90	3.75	2.86	2.52	– –

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2060	TI	SSOP	SSOP	Gas Gauge IC	BQ2060A-E619DBQG4	SMD 120-6833	11.73	8.98	7.44	6.63	– –
2060	TI	28	SSOP	SBSv1.1-compliant Gas-gauge IC	BQ2060SS-E411G4	SMD 121-4428	15.13	11.58	9.59	8.55	– –
2111	TI	8	TSSOP	Power MUX, Dual	TPS2111PWG4	SMD 120-7317	3.67	2.80	2.07	1.78	– –
2211	TI	16	SSOP	Power Distribution Switch	TPS2211AIDB	SMD 845-6828	3.47	2.66	1.96	1.69	– –
2211	TI	16	SSOP	Power Distribution Switch	TPS2211IDB	SMD 845-6836	6.07	4.65	3.55	3.12	– –
2375	TI	8	SOIC	Power Interface, IEEE802.3AF	TPS2375D	SMD 845-6860	4.40	3.37	2.57	2.26	– –
2377	TI	8	SOIC	Power Interface, IEEE802.3AF	TPS2377D	SMD 845-6887	4.40	3.37	2.57	2.26	– –
2383	TI	64	LQFP	Octal Power Sourcing Equipment Power Manager for Power over Ethernet Switch applications	TPS2383APMRG4	SMD 959-4035	24.00	20.62	17.78	15.99	– –
2392	TI	14	TSSOP	48V Hot Swap Power Manager, Full-Featured	TPS2392PWG4	SMD 121-4413	7.92	6.06	4.63	4.07	– –
2392	TI	14	TSSOP	48V Hot Swap Power Manager, Full-Featured	TPS2392PW	SMD 441-9960	7.92	6.06	4.63	4.07	– –
2490	TI	10	VSSOP	HIGH-VOLT Controller, 48V	TPS2490DGSG4	SMD 120-7318	7.48	5.72	4.37	3.84	– –
2491	TI	10	VSSOP	HIGH-VOLT Controller, 48V	TPS2491DGSG4	SMD 120-7319	7.48	5.72	4.37	3.84	– –
2524	TI	16	SOIC	Regulating Pulse-Width Modulator	SG2524D	SMD 958-9961	1.64	1.31	1.05	0.71	– –
2574	ON	8	DIL	500mA Switching Regulator, 3.3V Output, 5 to 40V Supply	LM2574N-3.3G	121-1138	4.46	3.09	2.90	2.54	– –
2590	NSC	7	TO-220	1A Step-down voltage regulator	LM2590HVT-5.0	412-4856‡	10.49	7.63	5.72	– –	– –
2590	NSC	7	TO-220	1A Step-down voltage regulator, adjustable output	LM2590HVT-ADJ	412-4868‡	10.49	7.63	5.72	– –	– –
2590	NSC	7	TO-220	1A Step-down voltage regulator	LM2590HVT-3.3	948-9495	10.49	7.63	5.72	– –	– –
2590	NSC	7	TO-220	1A Step-down voltage regulator	LM2590HVT-5.0	948-9509	10.49	7.63	5.72	– –	– –
2590	NSC	7	TO-220	1A Step-down voltage regulator, adjustable output	LM2590HVT-ADJ	948-9517	10.49	7.63	5.72	– –	– –
2591	NSC	5	TO-220	1A Step-down voltage regulator	LM2591HVT-3.3	412-4870‡	9.96	7.24	5.42	– –	– –
2591	NSC	5	TO-220	1A Step-down voltage regulator	LM2591HVT-5.0	412-4881‡	9.96	7.24	5.42	– –	– –
2591	NSC	5	TO-220	1A Step-down voltage regulator	LM2591HVT-3.3	948-9525	9.96	7.24	5.42	– –	– –
2591	NSC	5	TO-220	1A Step-down voltage regulator	LM2591HVT-5.0	948-9533	9.96	7.24	5.42	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2591	NSC	5	TO-220	1A Step-down voltage regulator, adjustable output. .	LM2591HVT-ADJ	**948-9541**●	9.96	7.24	5.42	– –	– –
2592	NSC	5	TO-220	2A Step-down voltage regulator, 5V output.	LM2592HVT-5.0.	**412-4911**‡	11.95	8.69	6.51	– –	– –
2592	NSC	5	TO-220	2A Step-down voltage regulator, adjustable output. .	LM2592HVT-ADJ.	**412-4923**‡	11.95	8.69	6.51	– –	– –
2592	NSC	5	TO-220	2A Step-down voltage regulator, 3.3V output.	LM2592HVT-3.3	**948-9550**●	11.95	8.69	6.51	– –	– –
2592	NSC	5	TO-220	2A Step-down voltage regulator, 5V output.	LM2592HVT-5.0	**948-9576**●	11.95	8.69	6.51	– –	– –
2592	NSC	5	TO-220	2A Step-down voltage regulator, adjustable output. .	LM2592HVT-ADJ	**948-9584**●	11.95	8.69	6.51	– –	– –
2593	NSC	7	TO-220	2A Step-down voltage regulator, 5V output.	LM2593HVT-5.0.	**412-4947**‡	8.57	7.05	6.36	– –	– –
2593	NSC	7	TO-220	2A Step-down voltage regulator, adjustable output. .	LM2593HVT-ADJ.	**412-4959**‡	8.57	7.05	6.36	– –	– –
2593	NSC	7	TO-220	2A Step-down voltage regulator, 5V output.	LM2593HVT-5.0	**948-9592**●	8.57	7.05	6.36	– –	– –
2593	NSC	7	TO-220	2A Step-down voltage regulator, adjustable output. .	LM2593HVT-ADJ	**948-9606**●	8.57	7.05	6.36	– –	– –
2611	NSC	5	SOT-23	Current mode PWM inverting switching regulator. (IND TEMP)	LM2611AMF.	SMD **412-5058**▲‡	5.33	3.88	2.91	– –	– –
2611	NSC	5	SOT-23	Current mode PWM inverting switching regulator. (IND TEMP)	LM2611AMF	SMD **977-9094**●	5.33	3.88	2.91	– –	– –
2621	NSC	8	MSOP	Step-up DC/DC converter for low input voltage systems.	LM2621MM...	SMD **412-5400**‡	3.87	2.74	2.00	– –	– –
2621	NSC	MSOP	MSOP	Step-up DC/DC converter for low input voltage systems.	LM2621MM	SMD **977-9248**●	3.87	2.74	2.00	– –	– –
2622	NSC	8	MSOP	600kHz/1.3MHz Step-up PWM DC/DC Converter. . .	LM2622MM-ADJ	SMD **820-7437**●	5.33	3.88	2.91	– –	– –
2623	NSC	8	MSOP	Genaral Purpose, Gated Oscillator Based, DC/DC Boost Converter	LM2623AMM	SMD **820-7445**●	5.04	3.70	2.77	– –	– –
2623	NSC	8	MSOP	Genaral Purpose, Gated Oscillator Based, DC/DC Boost Converter	LM2623MM	SMD **820-7453**●	5.02	3.55	2.59	– –	– –
2642	NSC	28	TSSOP	Two-Phase Synchronous Step-Down Switching Controller	LM2642MTC	SMD **822-1952**●	8.34	6.06	4.54	– –	– –
2650	NSC	24	SOIC	High Efficiency, Synchronous Step-Down DC-DC Converter	LM2650M-ADJ.	SMD **791-805**‡	11.59	9.54	8.60	– –	– –
2650	NSC	24	SOIC	High Efficiency, Synchronous Step-Down DC-DC Converter	LM2650M-ADJ	SMD **949-4200**●	11.59	9.54	8.60	– –	– –
2651	NSC	16	TSSOP	1.5A high efficiency synchronous regulator.	LM2651MTC-ADJ.	SMD **355-0564**‡	11.51	8.69	6.81	– –	– –
2651	NSC	16	TSSOP	1.5A high efficiency synchronous regulator.	LM2651MTC-ADJ	SMD **977-8900**●	11.51	8.69	6.81	– –	– –
2660	NSC	8	SOIC	Switched Capacitor Voltage Converter, inverts voltage in the range 1.5V to 5.5V, with selectable frequency control pin for oscillator frequency of 10kHz or 80kHz.	LM2660M	SMD **949-3816**●	3.88	2.83	2.07	– –	– –
2662	NSC	8	SOIC	Switched Capacitor Voltage Converter, inverts or doubles inputvoltage in the range 1.5V to 5.5V, with selectable oscillator frequency of 20kHz or 150kHz.	LM2662M	SMD **930-6803**●	4.06	3.02	2.27	– –	– –
2664	NSC	6	SOT-23	Switched Capacitor Voltage Converter, inverts voltage in the range 1.8V to 5.5V. Operates at 160kHz oscillator frequency. 1μA shutdown current.	LM2664M6	SMD **977-9671**●	2.34	1.64	1.17	– –	– –
2682	MAX	8	SOIC	Switched capacitor voltage doubling inverter, 10mA o/p current	LM2682M.	SMD **360-6417**‡	3.95	2.76	1.97	– –	– –
2682	MAX	8	SOIC	Switched capacitor voltage doubling inverter, 10mA o/p current	LM2682M	SMD **948-6550**●	3.95	2.76	1.97	– –	– –
2685	NSC	14	TSSOP	Dual O/P, Switched capacitor Voltage Converter I/P +2.85v to +6.5V, O/P +5V 50mA & -5V 15mA. . .	LM2685MTC.	SMD **332-6834**‡	5.54	4.03	3.02	– –	– –
2685	NSC	14	TSSOP	Dual O/P, Switched capacitor Voltage Converter I/P +2.85v to +6.5V, O/P +5V 50mA & -5V 15mA. . .	LM2685MTC	SMD **977-8691**●	5.54	4.03	3.02	– –	– –
2686	NSC	14	TSSOP	CMOS Voltage Converter, I/P +2.85V to +6.5V, O/P +5V 50mA	LM2686MTC.	SMD **332-6718**‡	5.54	4.03	3.02	– –	– –
2686	NSC	14	TSSOP	CMOS Voltage Converter, I/P +2.85V to +6.5V, O/P +5V 50mA	LM2686MTC	SMD **977-8616**●	5.54	4.03	3.02	– –	– –
2687	NSC	8	MSOP	Low Noise Switched Cap. Voltage Inverter, I/P +2.7V to +5.5V, O/P -1.5V to -5.2V 10mA	LM2687MM	SMD **977-8624**●	3.27	2.36	1.72	– –	– –
2700	NSC	14	TSSOP	2.5A Step-Up PWM DC/DC Converter, adjustable output.	LM2700MT-ADJ.	SMD **412-4832**‡	7.97	5.79	4.34	– –	– –
2700	NSC	14	TSSOP	2.5A Step-Up PWM DC/DC Converter, adjustable output.	LM2700MT-ADJ	SMD **977-8993**●	7.97	5.79	4.34	– –	– –
2703	NSC	5	SOT-23	DC/DC Converter, Step up	LM2703MF-ADJ.	SMD **579-6441**‡	4.90	3.47	2.53	– –	– –
2703	NSC	5	SOT-23	DC/DC Converter, Step up	LM2703MF-ADJ	SMD **977-9442**●	4.90	3.47	2.53	– –	– –
2704	NSC	5	SOT-23	Micropower Step-up DC/DC Converter with 550mA Peak Current Limit.	LM2704MF-ADJ	SMD **820-7461**●	5.18	3.67	2.68	– –	– –
2705	NSC	5	SOT-23	DC/DC converter, Step up	LM2705MF-ADJ	SMD **977-9434**●	4.72	3.34	2.44	– –	– –
2716	NSC	24	TSSOP	Dual (Step-up and Step-down) PWM DC/DC Converter	LM2716MT	SMD **818-1624**●	11.14	8.10	6.07	– –	– –
2727	NSC	14	TSSOP	N-Channel FET Synchronous Buck Regulator Controller for Low Output Voltages	LM2727MTC	SMD **818-1632**●	5.81	4.23	3.17	– –	– –
2731	NSC	5	SOT23-5	0.6/1.6 MHz Boost Converters With 22V Internal FET Switch in SOT-23	LM2731XMF	SMD **818-1640**●	5.04	3.66	2.74	– –	– –
2731	NSC	5	SOT-23	0.6/1.6 MHz Boost Converters With 22V Internal FET Switch in SOT-23	LM2731YMF	SMD **818-1659**●	5.04	3.66	2.74	– –	– –
2733	NSC	5	SOT-23	0.6/1.6 MHz Boost Converters With 40V Internal FET Switch in SOT-23	LM2733XMF	SMD **818-1667**●	5.04	3.66	2.74	– –	– –
2733	NSC	5	SOT-23	0.6/1.6 MHz Boost Converters With 40V Internal FET Switch in SOT-23	LM2733YMF	SMD **818-1675**●	5.04	3.66	2.74	– –	– –
2742	NSC	14	TSSOP	N-Channel FET Synchronous Buck Regulator Controller for Low Output Voltages	LM2742MTC	SMD **818-1691**●	7.00	5.09	3.81	– –	– –
2743	NSC	14	TSSOP	N-Channel FET Synchronous Buck Regulator Controller for Conversion from 3.3V.	LM2743MTC	SMD **818-1705**●	6.08	4.42	3.31	– –	– –
2744	NSC	14	TSSOP	Low Voltage N-Channel MOSFET Synchronous Buck Regulator Controller with External Reference . .	LM2744MTC	SMD **100-8243**●	5.60	4.07	3.05	– –	– –
2750	NSC	24	SOIC	Low-Noise Switched, Capacitor Boost Regulator . . .	LM2750LD-5.0	SMD **822-1979**●	5.14	3.74	2.80	– –	– –
2767	NSC	5	SOT-23	Switched Capacitor Voltage Converter, inverts voltage in the range 1.8V to 5.5V	LM2767M5	SMD **119-7392**●	2.02	1.41	1.02	– –	– –
2800	TI	SOIC	SOIC	PWM Controller, Low Power Current Mode, BICMOS	UCC2800DG4	SMD **120-7394**●	7.92	6.06	4.63	4.07	– –
2801	TI	8	SOIC	PWM Controller, Low Power Current Mode, BICMOS	UCC2801DG4	SMD **120-7395**●	7.61	6.06	4.63	4.07	– –
2802	TI	8	SOIC	PWM Controller, Low Power Current Mode, BICMOS	UCC2802DG4	SMD **120-7396**●	7.92	6.06	4.63	4.07	– –
2804	TI	8	SOIC	PWM Controller, Low Power Current Mode, BICMOS	UCC2804D	SMD **121-2380**●	7.61	6.06	4.63	4.07	– –
2804	TI	8	SOIC	PWM Controller, Low Power Current Mode, BICMOS	UCC2804D.	SMD **846-2810**	7.36	5.63	4.30	3.78	– –
2806	TI	16	SOIC	PWM Controller, Low Power Dual Output.	UCC2806DWG4	SMD **120-7397**●	19.16	14.66	12.03	10.83	– –
2842	ST	8	SOIC	High Performance Pulse Width Modulation Controller	UC2842AD1	SMD **323-6330**▲	2.37	1.81	1.56	1.19	– –
2842	ON	8	DIL	Enhanced Current Mode PWM Controller (IND TEMP)	UC2842ANG	**966-6184**●	1.73	1.24	0.93	0.63	– –
2842	ST	8	SOIC	High Performance Pulse Width Modulation Controller	E-UC2842BD1	SMD **988-2499**●	1.87	1.43	1.23	0.95	– –
2843	TI	8	SOIC	PWM Controller.	UC2843D8G4	SMD **120-7369**●	4.20	3.22	2.37	2.05	– –
2843	ON	8	DIL	Enhanced Current Mode PWM Controller.	UC2843ANG	**966-6192**●	1.70	1.24	0.93	0.63	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2843	ST	8	SOIC	High Performance Pulse Width Modulation Controller	E-UC2843BD1	SMD 988-2502	1.87	1.43	1.23	0.95	– –
2844	ON	8	DIL	Current Mode PWM Controller (IND TEMP)	UC2844NG	966-6206	1.73	1.24	0.93	0.63	– –
2844	ST	8	SOIC	High Performance Pulse Width Modulation Controller	E-UC2845BD1	SMD 988-2510	1.87	1.43	1.23	0.95	– –
2845	TI	8	SOIC	PWM Controller	UC2845AD8G4	SMD 120-7370	4.40	3.37	2.57	2.26	– –
2845	ON	8	DIL	Current Mode PWM Controller (IND TEMP)	UC2845NG	966-6214	2.46	2.15	1.92	1.75	– –
2854	TI	16	SOIC	Power Factor Preregulator, Enhanced	UC2854BDWG4	SMD 120-7371	6.82	5.22	3.98	3.50	– –
2875	TI	20	PDIP	PHASE SHIFT Controller	UC2875NG4	120-7372	17.47	15.01	12.94	11.64	– –
2891	TI	16	SOIC	PWM Controller, Current Mode Active Clamp	UCC2891D	SMD 846-2933	4.84	3.70	2.83	2.49	– –
2892	TI	16	SOIC	PWM Controller, Current Mode Active Clamp	UCC2892D	SMD 846-2941	4.84	3.70	2.83	2.49	– –
2894	TI	16	SOIC	PWM Controller, Current Mode Active Clamp	UCC2894D	SMD 846-2950	4.84	3.70	2.83	2.49	– –
2895	TI	20	SOIC	Phase Shift Controller BICMOS	UCC2895DWG4	SMD 120-7401	16.98	14.59	12.58	11.32	– –
2906	TI	16	SOIC	Battery Charger	UC2906DWG4	SMD 120-7373	10.75	8.23	6.82	6.08	– –
2906	TI	16	PDIP	Battery Charger	UC2906NG4	120-7375	10.75	8.23	6.82	6.08	– –
2950	TI	5	TO/SOT	Half-Bridge Switch	UC2950TG3	SMD 120-7376	10.95	8.38	6.94	6.19	– –
2954	TI	16	DIL	Lithium-ion charge Management IC with Intergrated Switching Controller	BQ2954PN	121-4374	9.77	7.48	6.20	5.52	– –
2954	B'MARQ	16	DIL	Lithium-ion charge Management IC with Intergrated Switching Controller	BQ2954PN.	352-8406	9.86	7.55	6.25	5.58	– –
3033	IR	8	SOIC	PWM Switcher and Linear Controller	IRU3033CSPBF	SMD 108-0644	4.21	3.01	2.30	1.98	– –
3034	IR	8	SOIC	PWM Current Limiting Switching Controller	IRU3034CSPBF	SMD 108-0645	4.21	3.01	2.30	1.98	– –
3037	IR	8	SOIC	PWM 400 KHz Sync Controller	IRU3037ACSPBF	SMD 102-3270	3.48	2.50	1.91	1.64	– –
3037	IR	8	SOIC	PWM 200 KHz Sync Controller	IRU3037CSPBF	SMD 102-3271	3.48	2.50	1.91	1.64	– –
3080	IR	32	MLPQ	X-PHASE VRD10 Control IC with VccVid and Overtemp Detect	IR3080MPBF	SMD 102-3258	6.44	4.62	3.53	3.03	– –
3081	IR	28	MLPQ	X-PHASE VR 10.0 Control IC	IR3081AMPBF	SMD 102-3259	6.54	4.70	3.59	3.08	– –
3081	IR	28	MLPQ	X-PHASE VR 10 Control IC	IR3081MPBF	SMD 108-0638	6.54	4.70	3.59	3.08	– –
3082	IR	20	MLPQ	X-PHASE Opteron or Athlon 64 Control IC	IR3082MPBF	SMD 102-3261	6.11	4.38	3.35	2.88	– –
3086	IR	20	MLPQ	X-PHASE Phase IC with OVP with fault overtemp detect	IR3086AMPBF	SMD 102-3262	4.29	3.08	2.35	2.02	– –
3086	IR	MLPQ	MLPQ	X-PHASE IC with OVP, Fault and Overtemp Detect	IR3086MPBF	SMD 108-0641	4.29	3.08	2.35	2.02	– –
3087	IR	20	MLPQ	X-PHASE IC with Opti-Phase, OVP and Overtemp Detect.	IR3087MPBF	SMD 108-0642	4.21	3.01	2.30	1.98	– –
3088	IR	20	MLPQ	X-PHASE IC with Fault and Overtemp Detect	IR3088AMPBF	SMD 102-3264	6.44	4.62	3.53	3.03	– –
3088	IR	20	MLPQ	X-PHASE IC with Fault and Overtemp Detect	IR3088MPBF	SMD 108-0643	6.44	4.62	3.53	3.03	– –
3172	MICR	8	DIL	1.25A Switching Regulator, Voltage range 3V to 40V. (IND TEMP)	MIC3172BN	790-333	18.42	10.71	8.10	– –	– –
3200	NSC	10	Bump Micro SMD	Miniature, Adjustable, Step-Down DC-DC Converter with Bypass Mode for RF Power Amplifiers	LM3200TL	SMD 100-8009	7.43	5.40	4.05	– –	– –
3224	NSC	8	MSOP	615kHz/1.25MHz Step-up PWM DC/DC Converter	LM3224MM-ADJ	SMD 100-8010	8.88	6.46	4.84	– –	– –
3352	NSC	8	TSSOP	200mA Buck-Boost switched capacitor DC/DC converter, 3.3V output. (TSSOP)	LM3352MTC-3.3	SMD 977-8470	6.89	5.01	3.75	– –	– –
3354	NSC	10	MSOP	DC/DC Converter, Buck Boost, 90mA	LM3354MM-5.0.	SMD 579-6404‡	5.87	4.26	3.20	– –	– –
3354	NSC	10	MSOP	DC/DC Converter, Buck Boost, 90mA	LM3354MM-5.0	SMD 977-9400	5.87	4.26	3.20	– –	– –
3420	NSC	5	SOT-23	Lithium-Ion Battery Charge Controller - one cell application	LM3420M5-4.2	SMD 977-9663	4.06	2.96	2.16	– –	– –
3423	ON	8	DIL	Overvoltage Crowbar Protection IC	MC3423P1G	119-0534	2.12	1.69	1.63	– –	– –
3475	NSC	5	SOT-23	Hysteretic PFET Buck Controller	LM3475MF	SMD 100-8244	3.81	2.66	1.90	– –	– –
3477	NSC	8	MSOP	High-side N-channel controller for switching regulator.	LM3477MM.	SMD 412-5277‡	5.18	3.67	2.68	– –	– –
3477	NSC	8	MSOP	High-side N-channel controller for switching regulator.	LM3477MM	SMD 977-9191	5.18	3.67	2.68	– –	– –
3488	NSC	8	MSOP	High efficiency, low side N-channel controller for switching regulators.	LM3488MM	SMD 977-8888	5.42	3.83	2.80	– –	– –
3524	ST	16	DIL	Switched Mode Power Supply Circuit	SG3524N.	408-323▲	2.87	2.20	1.89	1.45	– –
3524	TI	16	DIL	Switched Mode Power Supply Circuit	SG3524N..	559-192	2.68	2.05	1.51	1.30	– –
3524	ST	16	DIL	Switched Mode Power Supply Circuit	SG3524N	109-4322	2.87	2.20	1.89	1.45	– –
3524	UNI	16	DIL	Enhanced Switched Mode Power Supply Circuit	UC3524AN	110-1413	7.13	5.45	4.16	3.66	– –
3524	TI	16	SOIC	Switched Mode Power Supply Circuit	SG3524D	SMD 110-3188	1.64	1.31	1.05	0.71	– –
3524	TI	16	DIL	Switched Mode Power Supply Circuit	SG3524N	110-6088	1.64	1.31	1.05	0.71	– –
3524	NSC	16	DIL	Switched Mode Power Supply Circuit. (Improved version of the Industry Standard 3524)	LM3524DN	948-8162	3.87	2.74	2.00	– –	– –
3525	ST	16	DIL	PWM Controller up to 500kHz operation with dual source/sink output drivers for power MOS. NOR logic output.	SG3525AN.	408-359▲	2.50	1.91	1.64	1.26	– –
3525	ST	16	DIL	PWM Controller up to 500kHz operation with dual source/sink output drivers for power MOS. NOR logic output.	E-SG3525AN	115-9697	2.54	1.95	1.67	1.28	– –
3525	TI	16	PDIP	PWM Controller.	UC3525ANG4	120-7377	4.40	3.37	2.57	2.26	– –
3526	UNI	18	DIL	PWM Controller up to 400kHz operation with dual source/sink output drivers for power MOS. NOR logic output.	UC3526AN	110-1440	4.40	3.37	2.57	2.26	– –
3526	UNI	18	SOIC	PWM Controller up to 600kHz operation with dual source/sink output drivers for power MOS. NOR logic output.	UC3526DW	SMD 110-1441	4.40	3.37	2.57	2.26	– –
3526	TI	18	PDIP	PWM Controller.	UC3526NG4	120-7378	4.40	3.37	2.57	2.26	– –
3570	UNI	14	DIL	Low Power PWM Controller up to 500KHz operation with single, Totem-Pole output	UCC3570N	110-1448	11.46	8.77	7.26	6.48	– –
3573	UNI	8	DIL	Buck PWM Step-Down Voltage Regulator	UC3573N	700-502	4.62	3.53	2.70	2.37	– –
3573	TI	8	DIL	Buck PWM Step-Down Voltage Regulator	UC3573NG4	121-4450	4.62	3.53	2.70	2.37	– –
3578	NSC	8	SOIC	Switched Mode Regulator	LM3578AM	SMD 121-5207	4.12	2.92	2.13	– –	– –
3578	NSC	8	DIL	Switched Mode Regulator	LM3578AN	948-8170	4.12	2.92	2.13	– –	– –
3610	UNI	8	DIL	Dual Schottky Diode Bridge	UC3610N	110-1452	10.34	7.91	6.04	5.31	– –
3637	IR	8	SOIC	1% Accurate Synchronous PWM Controller	IR3637SPBF	SMD 101-6067	4.70	3.38	2.58	2.22	– –
3637	UNI	DIL	DIL	Switched Mode Controller for DC Motor Drive	UC3637N	110-1443	12.51	9.57	7.93	7.07	– –
3647	NSC	20	SOIC	Universal Battery Charger for Li-Ion, NiMH and Ni-Cd batteries.	LM3647IM.	SMD 412-5319‡	10.64	8.75	7.90	– –	– –
3647	NSC	20	SOIC	Universal Battery Charger for Li-Ion, NiMH and Ni-Cd batteries.	LM3647IM	SMD 948-9690	10.02	8.24	7.43	– –	– –
3670	NSC	5	SOT-23	Miniature Step-Down DC-DC Converter for Ultra Low Voltage Circuits	LM3670MF-1.8	SMD 100-8246	6.24	4.54	3.40	– –	– –
3670	NSC	5	SOT-23	Adjustable miniature Step-Down DC-DC Converter for Ultra Low Voltage Circuits	LM3670MF-ADJ	SMD 100-8247	6.24	4.54	3.40	– –	– –
3671	NSC	5	SOT-23	2MHz, 600mA Step-Down DC-DC Converter	LM3671MF-1.2	SMD 100-8248	7.00	5.09	3.81	– –	– –
3671	NSC	5	SOT-23	2MHz, 600mA Step-Down DC-DC Converter	LM3671MF-1.25	SMD 100-8251	7.00	5.09	3.81	– –	– –
3671	NSC	5	SOT-23	2MHz, 600mA Step-Down DC-DC Converter	LM3671MF-1.375	SMD 100-8252	7.00	5.09	3.81	– –	– –
3671	NSC	5	SOT-23	2MHz, 600mA Step-Down DC-DC Converter	LM3671MF-1.5	SMD 100-8253	7.00	5.09	3.81	– –	– –
3671	NSC	5	SOT-23	2MHz, 600mA Step-Down DC-DC Converter	LM3671MF-1.6	SMD 100-8254	7.00	5.09	3.81	– –	– –
3671	NSC	5	SOT-23	2MHz, 600mA Step-Down DC-DC Converter	LM3671MF-1.875	SMD 100-8255	7.00	5.09	3.81	– –	– –
3671	NSC	5	SOT-23	2MHz, 600mA Adjustable Step-Down DC-DC Converter	LM3671MF-ADJ	SMD 100-8256	7.00	5.09	3.81	– –	– –
3800	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 7.2V/100%	UCC3800N.	641-467	4.92	3.77	2.88	2.53	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3800	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 7.2V/100%	UCC3800N	110-1445	5.72	4.54	3.47	3.05	– –
3800	TI	8	SOIC	PWM Controller, Low Power Current Mode, BIC-MOS	UCC3800DG4	SMD 120-7402	5.94	4.54	3.47	3.05	– –
3801	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 9.4V/50%	UCC3801N	110-1455	5.72	4.54	3.47	3.05	– –
3802	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 12.5V/100%	UCC3802N	110-1457	5.72	4.54	3.47	3.05	– –
3803	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 4.1V/100%	UCC3803N.	642-290	5.06	3.87	2.96	2.60	– –
3803	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 4.1V/100%	UCC3803N	110-1458	5.72	4.54	3.47	3.05	– –
3803	TI	8	SOIC	PWM Controller, Low Power Current Mode, BIC-MOS	UCC3803DG4	SMD 120-7247	5.72	4.54	3.47	3.05	– –
3804	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 12.5V/50%	UCC3804N.	641-479	5.06	3.87	2.96	2.60	– –
3804	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 12.5V/50%	UCC3804N	110-1446	5.72	4.54	3.47	3.05	– –
3804	TI	8	SOIC	PWM Controller, Low Power Current Mode, BIC-MOS	UCC3804DG4	SMD 120-7248	5.72	4.54	3.47	3.05	– –
3805	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 4.1V/50%	UCC3805N.	642-307	5.20	3.98	3.04	2.67	– –
3805	UNI	8	DIL	Low Power BiCMOS Current Mode PWM Controller. 4.1V/50%	UCC3805N	110-1459	5.72	4.54	3.47	3.05	– –
3806	UNI	16	DIL	Low Power, Dual Output, BiCMOS Current Mode PWM Controller up to 1MHz operation, 7.5V start threshold, 50% max. duty cycle	UCC3806N.	641-510	16.64	12.73	10.55	9.41	– –
3806	UNI	16	DIL	Low Power, Dual Output, BiCMOS Current Mode PWM Controller up to 1MHz operation, 7.5V start threshold, 50% max. duty cycle	UCC3806N	110-1450	16.03	12.27	10.16	9.06	– –
3808	UNI	8	DIL	BCDMOS Primary Side PWM Controller 12.5V turn on, 8.3V turn off thresholds, On-chip Vdd clamping.	UCC3808N-1	110-1435	5.72	4.38	3.34	2.94	– –
3808	UNI	8	SOIC	BCDMOS Primary Side PWM Controller 12.5V turn on, 8.3V turn off thresholds, On-chip Vdd clamping.	UCC3808D-1	SMD 110-1436	5.72	4.38	3.34	2.94	– –
3808	UNI	8	SOIC	BCDMOS Primary Side PWM Controller 4.3V turn on, 4.1V turn off thresholds, On-chip Vdd clamping.	UCC3808D-2	SMD 110-1437	5.72	4.38	3.34	2.94	– –
3808	TI	8	DIL	BCDMOS Primary Side PWM Controller 4.3V turn on, 4.1V turn off thresholds, On-chip Vdd clamping.	UCC3808N-2G4	121-4372	5.72	4.38	3.34	2.94	– –
3808	TI	8	SOIC	PWM Controller, Low Power Current Mode Push Pull	UCC3808AD-1G4	SMD 121-4415	5.72	4.38	3.34	2.94	– –
3808	UNI	8	DIL	BCDMOS Primary Side PWM Controller 12.5V turn on, 8.3V turn off thresholds, On-chip Vdd clamping.	UCC3808N-1.	352-7153	5.48	4.19	3.20	2.82	– –
3808	UNI	8	SOIC	BCDMOS Primary Side PWM Controller 12.5V turn on, 8.3V turn off thresholds, On-chip Vdd clamping.	UCC3808D-1.	SMD 352-7165	5.72	4.38	3.34	2.94	– –
3808	UNI	8	DIL	BCDMOS Primary Side PWM Controller 4.3V turn on, 4.1V turn off thresholds, On-chip Vdd clamping.	UCC3808N-2	352-7177	5.72	4.38	3.34	2.94	– –
3808	UNI	8	SOIC	BCDMOS Primary Side PWM Controller 4.3V turn on, 4.1V turn off thresholds, On-chip Vdd clamping.	UCC3808D-2.	SMD 352-7189	5.25	4.02	3.07	2.70	– –
3808	TI	SOIC	SOIC	PWM Controller, Low Power Current Mode Push Pull	UCC3808AD-1	SMD 442-0068	5.72	4.38	3.34	2.94	– –
3809	UNI	8	SOIC	BCDMOS Primary Side PWM Controller 10V turn on, 8V turn off thresholds, prog. duty cycle.	UCC3809D-1	SMD 110-1434	4.15	3.18	2.34	2.02	– –
3809	UNI	8	SOIC	BCDMOS Primary Side PWM Controller 10V turn on, 8V turn off thresholds, prog. duty cycle.	UCC3809D-1.	SMD 352-7128	4.21	3.22	2.37	2.05	– –
3813	TI	8	SOIC	PWM Controller, Low Power Current Mode, BIC-MOS	UCC3813D-3	SMD 121-2349	3.76	2.99	2.20	1.90	– –
3813	TI	8	SOIC	PWM Controller, Low Power Current Mode, BIC-MOS	UCC3813D-3.	SMD 844-5230	3.65	2.79	2.05	1.78	– –
3817	UNI	16	DIL	BiCMOS Power Factor Pre Regulator with on-chip shunt regulator, this device achieves near unity power factor by shaping the ac input current waveform.	UCC3817N	110-1427	5.06	3.87	2.96	2.60	– –
3817	UNI	16	SOIC	BiCMOS Power Factor Pre Regulator.	UCC3817D	SMD 110-1428	5.06	3.87	2.96	2.60	– –
3817	UNI	16	DIL	BiCMOS Power Factor Pre Regulator with on-chip shunt regulator, this device achieves near unity power factor by shaping the ac input current waveform.	UCC3817N.	352-7037	5.06	3.87	2.96	2.60	– –
3818	UNI	16	DIL	BiCMOS Power Factor Pre Regulator for fixed supply, performs shaping of the ac input current.	UCC3818N	110-1429	5.06	3.87	2.96	2.60	– –
3818	UNI	16	SOIC	BiCMOS Power Factor Pre Regulator.	UCC3818D	SMD 110-1430	5.06	3.87	2.96	2.60	– –
3818	UNI	16	SOIC	BiCMOS Power Factor Pre Regulator.	UCC3818D.	SMD 352-7062	4.91	3.76	2.87	2.52	– –
3823	TI	16	PDIP	IC,PWM Controller	UC3823ANG4	120-7385	19.16	14.66	12.03	10.83	– –
3825	UNI	16	DIL	High Speed PWM Controller	UC3825N.	246-293	6.69	5.12	3.91	3.44	– –
3825	UNI	16	DIL	High Speed PWM Controller	UC3825N	110-1415	6.69	5.12	3.91	3.44	– –
3825	TI	16	SOIC	IC,SM PWM Controller	UC3825DWG4	SMD 120-7387	6.69	5.12	3.91	3.44	– –
3825	TI	16	PDIP	IC,PWM Controller	UC3825AN	121-2379	10.36	7.93	6.57	5.86	– –
3825	TI	16	PDIP	IC,PWM Controller	UC3825AN.	846-2429	10.36	7.93	6.57	5.86	– –
3827	UNI	24	DIL	Buck Current fed Push-Pull PWM Controller.	UC3827N-1.	113-487	13.91	10.64	8.82	7.86	– –
3842	UNI	8	DIL	Enhanced Current Mode PWM Controller (improved UC3842N)	UC3842AN.	246-232	3.71	2.84	2.09	1.81	– –
3842	UNI	8	DIL	Enhanced Current Mode PWM Controller (improved UC3842N)	UC3842AN	110-1409	3.71	2.84	2.09	1.81	– –
3842	UNI	8	SOIC	Enhanced Pulse width Modulation Controller, <0.5mA start-up current, 500KHz operation 17.5V start threshold, 100% max duty cycle.	UC3842AD8	SMD 110-1423	3.71	2.84	2.09	1.81	– –
3842	TI	8	PDIP	PWM Controller.	UC3842NG4	120-7388	3.71	2.84	2.09	1.81	– –
3842	FCH	8	DIL	Current Mode PWM Controller	KA3842B	347-6923▲	1.33	0.78	0.66	– –	– –
3842	UNI	8	SOIC	Enhanced Pulse width Modulation Controller, <0.5mA start-up current, 500KHz operation 17.5V start threshold, 100% max duty cycle.	UC3842AD8.	SMD 352-6999	3.71	2.84	2.09	1.81	– –
3842	TS	8	DIL	Current Mode PWM Controller	TS3842BCD	726-1314	2.57	1.82	1.59	– –	– –
3842	TS	8	SOIC	Current Mode PWM Controller	TS3842BCS	SMD 726-1322	2.57	1.82	1.59	– –	– –
3842	ON	8	DIL	Enhanced Current Mode PWM Controller (improved UC3842N)	UC3842ANG	966-5048	1.51	1.09	0.82	0.55	– –
3842	ST	8	DIL	Pulse Width Modulation Controller	E-UC3842BN	988-2529	1.48	1.13	0.99	0.75	– –
3843	UNI	8	DIL	Enhanced Current Mode PWM Controller (improved UC3843N)	UC3843AN.	246-244	3.71	2.84	2.09	1.81	– –
3843	FCH	8	DIL	Current Mode PWM Controller	KA3843B	101-3832	1.59	1.14	0.86	0.58	– –
3843	UNI	8	DIL	Enhanced Current Mode PWM Controller (improved UC3843N)	UC3843AN	110-1410	3.71	2.84	2.09	1.81	– –
3843	UNI	8	SOIC	Current Mode PWM Controller, 9.0V start threshold.	UC3843D8	SMD 110-1424	3.71	2.84	2.09	1.81	– –
3843	UNI	8	SOIC	Enhanced Current Mode PWM Controller.	UC3843AD8	SMD 110-1425	3.71	2.84	2.09	1.81	– –
3843	FCH	8	DIL	Current Mode PWM Controller	KA3843B..	347-6935▲‡	1.35	1.01	0.76	0.56	– –
3843	UNI	8	SOIC	Current Mode PWM Controller, 9.0V start threshold.	UC3843D8.	SMD 352-7001	3.51	2.69	1.98	1.71	– –
3843	UNI	8	SOIC	Enhanced Current Mode PWM Controller.	UC3843AD8.	SMD 352-7013	3.71	2.86	2.11	1.82	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
3843	ST	DIL	DIL	Current Mode PWM Controller up to 500kHz operation, low startcurrent, 9V start threshold, 100% max. duty cycle.	E-UC3843BN	988-2847	1.48	1.13	0.99	0.75	– –
3844	UNI	8	DIL	Enhanced Current Mode PWM Controller (improved UC3844N)	UC3844AN	110-1411	3.71	2.84	2.09	1.81	– –
3844	UNI	8	SOIC	Current Mode PWM Controller, optimised for DC/DC and offline converters.	UC3844AD8	SMD 110-1418	3.71	2.84	2.09	1.81	– –
3844	ON	8	SOIC	Enhanced Current Mode PWM Controller. Operating range 11.5V to 30V, 1A. (IND TEMP).	UC3844BD1G	SMD 121-1129	1.76	1.40	1.11	– –	– –
3844	UNI	8	SOIC	Current Mode PWM Controller, optimised for DC/DC and offline converters.	UC3844AD8.	SMD 352-6963	3.62	2.77	2.04	1.76	– –
3844	ON	14	SOIC	Current Mode PWM Controller.	UC3844DG	SMD 966-5404	1.51	1.09	0.82	0.55	– –
3845	UNI	8	DIL	Enhanced Current Mode PWM Controller (improved UC3845N)	UC3845AN	110-1412	3.71	2.84	2.09	1.81	– –
3845	UNI	8	SOIC	Current Mode PWM Controller with enhanced load response characteristics.	UC3845D8	SMD 110-1421	3.71	2.84	2.09	1.81	– –
3845	UNI	8	SOIC	Enhanced Current Mode PWM Controller.	UC3845AD8	SMD 110-1422	3.71	2.84	2.09	1.81	– –
3845	TI	8	SOIC	Current Mode PWM Controller with enhanced load response characteristics.	UC3845D8G4	SMD 121-9426	3.71	2.84	2.09	1.81	– –
3845	UNI	8	SOIC	Enhanced Current Mode PWM Controller.	UC3845AD8.	SMD 352-6987	3.71	2.84	2.09	1.81	– –
3845	ST	8	DIL	Current Mode PWM Controller.	E-UC3845BN	988-2928	1.48	1.13	0.99	0.75	– –
3846	UNI	16	SOIC	Current Mode PWM Controller with shutdown and soft-start functions, 8V threshold.	UC3846DW	SMD 110-1426	7.04	5.39	4.11	3.62	– –
3846	UNI	16	DIL	Current Mode PWM Controller up to 500KHz operation, 8.0V start threshold, 50% max. duty cycle, with shutdown function	UC3846N	110-1447	7.04	5.39	4.11	3.62	– –
3846	UNI	16	SOIC	Current Mode PWM Controller with shutdown and soft-start functions, 8V threshold.	UC3846DW.	SMD 352-7025	6.69	5.12	3.91	3.44	– –
3852	TI	8	PDIP	Power Factor Preregulator, High	UC3852NG4	120-7389	7.48	5.72	4.37	3.84	– –
3853	UNI	8	DIL	High Power Factor Pre-Regulator with low startup current and Overvoltage Protection	UC3853N.	641-522	4.54	3.47	2.65	2.33	– –
3853	UNI	8	DIL	High Power Factor Pre-Regulator with low startup current and Overvoltage Protection	UC3853N	110-1451	4.66	3.70	2.73	2.36	– –
3854	UNI	16	DIL	Enhanced High Power Factor Pre-Regulator (improved UC3854N)...	UC3854AN.	445-915	5.94	4.54	3.47	3.05	– –
3854	UNI	16	DIL	Enhanced High Power Factor Pre-Regulator (improved UC3854N),UVLO on 10.5V	UC3854BN.	700-526	5.91	4.52	3.45	3.04	– –
3854	UNI	16	DIL	High Power Factor Pre-Regulator.	UC3854N	110-1414	4.88	3.87	2.96	2.60	– –
3854	UNI	16	DIL	Enhanced High Power Factor Pre-Regulator (improved UC3854N)...	UC3854AN	110-1442	5.94	4.54	3.47	3.05	– –
3854	UNI	16	DIL	Enhanced High Power Factor Pre-Regulator (improved UC3854N),UVLO on 10.5V	UC3854BN	110-1462	5.94	4.54	3.47	3.05	– –
3854	TI	16	SOIC	Power Factor Preregulator, High Enhanced	UC3854ADWG4	SMD 120-7390	5.94	4.54	3.47	3.05	– –
3854	TI	16	SOIC	Power Factor Preregulator, High Enhanced	UC3854BDWG4	SMD 120-7391	5.94	4.54	3.47	3.05	– –
3854	TI	16	SOIC	Power Factor Preregulator, High	UC3854DWG4	SMD 120-7392	5.06	3.87	2.96	2.60	– –
3855	UNI	20	DIL	High Frequency ZVT, High Performance Power Factor Pre-regulator, UVLO on 15.5V	UC3855AN	700-538	18.61	15.99	13.79	12.40	– –
3855	UNI	20	DIL	High Frequency ZVT, High Performance Power Factor Pre-regulator, UVLO on 10.5V	UC3855BN.	700-540	18.06	15.52	13.39	12.04	– –
3855	UNI	20	DIL	High Frequency ZVT, High Performance Power Factor Pre-regulator, UVLO on 10.5V	UC3855BN	110-1463	18.61	15.99	13.79	12.40	– –
3855	TI	20	DIL	High Frequency ZVT, High Performance Power Factor Pre-regulator, UVLO on 15.5V	UC3855ANG4	121-4451	18.61	15.99	13.79	12.40	– –
3875	TI	20	PDIP	PHASE SHIFT Controller	UC3875NG4	120-7393	18.96	14.51	11.91	10.72	– –
3879	UNI	20	DIL	Phase Shift Resonant Mode Controller with Quad, Totem-Pole outputs, compatible with voltage or current mode topologies	UC3879N.	641-558	13.64	10.44	8.65	7.71	– –
3889	UNI	8	DIL	Off-line Power Supply Controller, ideal for Primary-Side Bias Supply.	UCC3889N.	641-509	2.79	2.13	1.57	1.36	– –
3889	UNI	8	DIL	Off-line Power Supply Controller, ideal for Primary-Side Bias Supply.	UCC3889N	110-1449	2.83	2.24	1.65	1.43	– –
3895	UNI	20	DIL	BiCMOS Advanced Phase Shift PWM Controller, voltage or current mode selectable.	UCC3895N	110-1438	17.01	13.02	10.78	9.61	– –
3895	UNI	20	TSSOP	BiCMOS Advanced Phase Shift PWM Controller, voltage or current mode selectable.	UCC3895DW	SMD 110-1439	17.01	13.02	10.78	9.61	– –
3895	UNI	DIL	DIL	BiCMOS Advanced Phase Shift PWM Controller, voltage or current mode selectable.	UCC3895N.	352-7190	17.19	13.16	10.80	9.72	– –
3895	UNI	20	TSSOP	BiCMOS Advanced Phase Shift PWM Controller, voltage or current mode selectable.	UCC3895DW.	SMD 352-7207	17.01	13.02	10.78	9.61	– –
3902	UNI	8	DIL	Load Share Controller, balances current drawn from paralelled power supplies by adjusting each output current proportionally to voltage on share bus	UC3902N.	113-440	7.70	5.89	4.50	3.96	– –
3902	UNI	8	DIL	Load Share Controller, balances current drawn from paralelled power supplies by adjusting each output current proportionally to voltage on share bus	UC3902N	110-1406	8.14	6.23	4.76	4.18	– –
3903	UNI	18	DIL	Quad Supply and Line Monitor.	UC3903N	110-1417	9.24	7.07	5.40	4.75	– –
3906	UNI	16	DIL	Sealed Lead-Acid Battery Charger Controller	UC3906N	110-1416	10.75	8.23	6.82	6.08	– –
3909	UNI	20	DIL	Switched Mode Lead-Acid Battery Charger	UC3909N.	641-546	12.54	9.60	7.95	7.09	– –
3909	UNI	20	DIL	Switched Mode Lead-Acid Battery Charger	UC3909N	110-1453	11.93	9.13	7.56	6.74	– –
3940	NSC	3	SOT-263	5V to 3.3V, 1A Step-Down, Low Dropout Regulated DC to DC Converter.	LM3940IS-3.3.	SMD 953-878‡	4.00	2.92	2.13	– –	– –
3940	NSC	3	TO-220	5V to 3.3V, 1A Step-Down, Low Dropout Regulated DC to DC Converter.	LM3940IT-3.3.	953-880‡	4.00	2.85	2.08	– –	– –
3940	NSC	3	SOT-223	5V to 3.3V, 1A Step-Down, Low Dropout Regulated DC to DC Converter.	LM3940IMP-3.3...	SMD 412-5447‡	3.37	2.66	1.94	– –	– –
3940	NSC	3	SOT-263	5V to 3.3V, 1A Step-Down, Low Dropout Regulated DC to DC Converter.	LM3940IS-3.3	SMD 949-4545	4.00	2.92	2.13	– –	– –
3940	NSC	3	TO-220	5V to 3.3V, 1A Step-Down, Low Dropout Regulated DC to DC Converter.	LM3940IT-3.3	949-4553	4.00	2.85	2.08	– –	– –
3940	NSC	3	SOT-223	5V to 3.3V, 1A Step-Down, Low Dropout Regulated DC to DC Converter.	LM3940IMP-3.3	SMD 977-9280	3.37	2.66	1.94	– –	– –
3941	TI	8	SOIC	1V Synchronous Boost Converter, 5.0V output, 500mW power.	UCC3941D-5G4	SMD 121-4373	7.92	6.06	4.63	4.07	– –
3941	UNI	8	SOIC	1V Synchronous Boost Converter, 5.0V output, 500mW power.	UCC3941D-5	SMD 352-7300	7.92	6.06	4.63	4.07	– –
3946	NSC	14	LLP	Battery Charge Management System	LP3946LD	SMD 820-7429	5.33	4.01	3.01	– –	– –
3952	TI	16	SOIC	Batt Protection Circuit	UCC3952DP-1	SMD 121-2350	7.70	5.89	4.50	3.96	– –
3952	TI	16	SOIC	Batt Protection Circuit	UCC3952DP-1.	SMD 844-5370	6.89	5.27	4.03	3.54	– –
3964	NSC	5	SOT-223	Adjustable 800mA ultra low drop out linear regulator, with sense pin that improves regulation.	LP3964EMP-ADJ...	SMD 355-0552‡	4.68	3.69	2.69	– –	– –
3964	NSC	5	SOT-223	Adjustable 800mA ultra low drop out linear regulator, with sense pin that improves regulation.	LP3964EMP-ADJ	SMD 977-8896	4.68	3.69	2.69	– –	– –
4800	FCH	16	DIL	Power Factor and PWM controller combination, 220µA start-up current, TriFault Detect, current-fed gain modulator for improved noise immunity.	ML4800CP	101-3883	10.88	8.70	6.10	4.52	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
4800	FCH	16	DIL	Power Factor and PWM controller combination, 220µA start-up current, TriFault Detect, current-fed gain modulator for improved noise immunity.	ML4800CP.	360-6697▲‡	9.19	7.68	5.48	4.39	– –
4812	FCH	16	DIL	Power Factor Controller, 1A peak output drive, 5V internal reference.	ML4812CP	101-3881●	19.41	15.51	10.77	8.05	– –
4812	FCH	16	DIL	Power Factor Controller, 1A peak output drive, 5V internal reference.	ML4812CP..	360-6650▲‡	16.38	13.69	9.78	7.82	– –
4819	FCH	20	DIL	Power Factor and PWM controller combination, 1A peak output drive, 5V internal reference	ML4819CP	360-6661▲	17.95	14.99	10.71	8.57	– –
4824	FCH	16	SOIC	Power Factor Corrector and PWM controller combination, features PFC overvoltage comparator to eliminate output "runaway" due to load removal	ML4824CS1	SMD 101-3882●	18.81	15.03	10.54	7.81	– –
4960	ST	7	Heptawatt	5.1V to 40V, 2.5A Power Switching Regulator	E-L4960	107-7136●	8.37	6.23	5.10	4.01	– –
4962	ST	7	Heptawatt	1.5A Switching Regulator. Voltage range 5.1V to 40V	L4962A.	408-463▲	9.08	6.95	5.97	4.58	– –
4962	ST	7	Heptawatt	1.5A Switching Regulator. Voltage range 5.1V to 40V	L4962/A	109-4217●	9.08	6.95	5.97	4.58	– –
4970	ST	15	Multiwatt	10A Switching Regulator. Voltage range 5.1V to 40V	L4970A.	408-475▲	24.29	19.75	15.82	13.94	– –
4970	ST	15	Multiwatt	10A Switching Regulator. Voltage range 5.1V to 40V	L4970A	109-4218●	25.02	20.34	16.30	14.36	– –
4971	ST	16	SOIC	3.3V to 50V, 1.5A Step-Down Switching Regulator	E-L4971D	SMD 107-7137●	8.72	6.49	5.31	4.18	– –
4972	ST	20	DIL	2A Switching Regulator. Voltage range 5.1V to 40V.	L4972A.	408-487▲	12.87	9.85	7.84	6.16	– –
4972	ST	20	DIL	2A Switching Regulator. Voltage range 5.1V to 40V.	L4972A	109-4219●	13.23	10.13	8.06	6.33	– –
4974	ST	20	DIL	3.5A Switching Regulator. Voltage range 5.1V to 40V	L4974A.	408-499▲	16.90	12.93	10.30	8.08	– –
4974	ST	20	DIL	3.5A Switching Regulator. Voltage range 5.1V to 40V	L4974A	109-4220●	17.37	13.29	10.59	8.31	– –
4975	ST	15	Multiwatt	5A Switching Regulator. Voltage range 5.1V to 40V.	L4975A	109-4222●	23.17	18.84	15.09	13.30	– –
4978	ST	8	DIL	3.3V to 50V, 2A Step-Down Switching Regulator.	E-L4978	107-7138●	8.26	6.14	5.03	3.96	– –
4978	ST	16	SOIC	3.3V to 50V, 2A Step-Down Switching Regulator.	E-L4978D	SMD 107-7139●	8.05	5.99	4.91	3.86	– –
4981	ST	20	SOIC	Power Factor Corrector.	E-L4981AD	SMD 107-7140●	10.19	7.58	6.21	4.88	– –
4981	ST	20	DIL	Power Factor Corrector. Modulated Frequency. Low start-up Current 300µA.	L4981B	109-4223●	10.43	7.98	6.35	4.99	– –
4981	ST	20	SOIC	Power Factor Corrector. Modulated Frequency. Low start-up Current 300µA.	L4981BD	SMD 109-4224●	10.92	8.36	6.66	5.22	– –
4981	ST	20	DIL	Power Factor Corrector. Modulated Frequency. Low start-up Current 300µA.	L4981B.	323-6092▲	11.27	8.62	7.41	5.68	– –
4981	ST	20	DIL	Power Factor Corrector. Fixed Frequency. Low start-up Current 300µA.	E-L4981A	988-2456●	10.00	7.65	6.57	5.04	– –
5000	NSC	16	TSSOP	High Voltage Switch Mode Regulator	LM5000-3MTC	SMD 977-9337●	9.31	6.77	5.07	– –	– –
5001	TI	8	SOIC	PWM control circuit with reference voltage tolerance of 3%	TL5001ACD	SMD 110-0958●	2.54	1.94	1.43	1.24	– –
5001	TI	8	SOIC	PWM control circuit with reference voltage tolerance of 5%	TL5001CD	SMD 110-6061●	2.52	2.01	1.58	1.10	– –
5001	TI	8	SOIC	PWM control circuit with reference voltage tolerance of 3%	TL5001ACD.	SMD 501-2041	2.59	2.12	1.67	1.16	– –
5001	TI	8	SOIC	PWM control circuit with reference voltage tolerance of 5%	TL5001CD.	SMD 501-2053	2.50	2.00	1.57	1.09	– –
5001	TI	8	PDIP	PWM Controller.	TL5001AIP	845-3624●	2.54	1.94	1.43	1.24	– –
5001	TI	8	SOIC	PWM Controller.	TL5001CDR	SMD 845-3632●	2.52	2.01	1.58	1.10	– –
5001	TI	8	PDIP	PWM Controller.	TL5001CP	845-3640●	2.52	2.01	1.58	1.10	– –

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
5007	NSC	8	MSOP	Switching Regulator, Step Down, High Voltage.	LM5007MM.	SMD 579-6260‡	7.91	5.75	4.31	– –	– –
5007	NSC	8	MSOP	High Voltage (80V) Step Down Switching Regulator	LM5007MMEP	SMD 823-8685●	8.98	7.39	6.66	– –	– –
5007	NSC	8	MSOP	Switching Regulator, Step Down, High Voltage.	LM5007MM	SMD 977-9345●	7.91	5.75	4.31	– –	– –
5007	NSC			Evaluation Board, LM5007.	LM5007EVAL	579-6258	66.35	– –	– –	– –	– –
5008	NSC	8	MSOP	High Voltage (100V) Step Down Switching Regulator	LM5008MM	SMD 818-1721●	7.91	5.75	4.31	– –	– –
5010	NSC	10	LLP	High Voltage 1A Step Down Switching Regulator	LM5010SD	SMD 100-8257●	9.31	6.77	5.07	– –	– –
5020	NSC	10	MSOP	100V Current Mode PWM Controller	LM5020MM-1	SMD 818-1730●	5.70	4.04	2.95	– –	– –
5020	NSC	10	MSOP	100V Current Mode PWM Controller	LM5020MM-2	SMD 818-1748●	5.70	4.04	2.95	– –	– –
5025	NSC	16	TSSOP	Active Clamp Voltage Mode PWM Controller	LM5025AMTC	SMD 100-8258●	6.08	4.42	3.31	– –	– –
5025	NSC	16	TSSOP	Active Clamp Voltage Mode PWM Controller	LM5025MTC	SMD 818-1756●	6.08	4.42	3.31	– –	– –
5030	NSC	10	MSOP	100V Push-Pull Current Mode PWM Controller.	LM5030MM.	SMD 579-6283‡	5.60	4.07	3.05	– –	– –
5030	NSC	10	MSOP	100V Push-Pull Current Mode PWM Controller.	LM5030MM	SMD 977-9353●	5.60	4.07	3.05	– –	– –
5030	NSC			Evaluation Board, LM5030.	LM5030EVAL	579-6271	221.68	– –	– –	– –	– –
5032	NSC	16	TSSOP	High Voltage Dual Interleaved Current Mode Controller	LM5032MTC	SMD 100-8029●	7.21	5.24	3.93	– –	– –
5034	NSC	20	TSSOP	High Voltage Dual Interleaved Current Mode Controller with Active Clamp	LM5034MTC	SMD 100-8030●	8.88	6.46	4.84	– –	– –
5041	NSC	16	TSSOP	Cascaded PWM Controller	LM5041AMTC	SMD 100-8259●	9.96	7.24	5.42	– –	– –
5041	NSC	16	TSSOP	PWM Controller, cascaded	LM5041MTC	SMD 977-9361●	9.96	7.24	5.42	– –	– –
5041	NSC			Evaluation Board, LM5041.	LM5041EVAL	579-6295	379.47	– –	– –	– –	– –
5068	NSC	8	MSOP	Negative Voltage Hot Swap Controller	LM5068MM-1	SMD 100-8260●	6.24	4.54	3.40	– –	– –
5068	NSC	8	MSOP	Negative Voltage Hot Swap Controller	LM5068MM-3	SMD 100-8261●	6.24	4.54	3.40	– –	– –
5068	NSC	8	MSOP	Negative Voltage Hot Swap Controller	LM5068MM-4	SMD 100-8263●	6.24	4.54	3.40	– –	– –
5068	NSC	8	MSOP	Negative Voltage Hot Swap Controller	LM5068MM-2	SMD 818-1764●	6.24	4.54	3.40	– –	– –
5070	NSC	16	TSSOP	Integrated Power Over Ethernet PD Interface and PWM Controller, 50% Duty Cycle.	LM5070MTC-50	SMD 912-3520●	9.31	6.78	5.08	– –	– –
5070	NSC	16	TSSOP	Integrated Power Over Ethernet PD Interface and PWM Controller, 80% Duty Cycle.	LM5070MTC-80	SMD 912-3539●	9.31	6.77	5.07	– –	– –
5094	FCH	28	TSSOP	Multi-Phase Interleaved Buck Converter	FAN5094MTC	SMD 110-2141●	8.07	6.44	5.67	– –	– –
5103	TI	20	SSOP	Buck Converter, Single Channel	TPS5103IDB	SMD 845-7530●	7.48	5.72	4.37	3.84	– –
5401	TI	5	Horizontal Through Hole	Integrated Switching Regulators (ISR) Power Module, Input adjustable	PT5401A	121-6735●	34.75	30.18	27.50	25.79	– –
5401	TI	5	Horizontal Through Hole	Integrated Switching Regulators (ISR) Power Module, Input adjustable	PT5401A.	441-9996	35.97	31.24	28.46	26.69	– –
5970	ST	8	SOIC	1.2V to 35V, Up-to 1A Step-Down Switching Regulator	E-L5970D	SMD 107-7141●	5.78	4.30	3.52	2.77	– –
5972	ST	8	SOIC	1.235V to 35V, 2A Switch Step-Down Switching Regulator	E-L5972D	SMD 107-7142●	5.99	4.46	3.65	2.87	– –
5973	ST	8	HSOP	1.235V to 35V, 2A Switch Step-Down Switching Regulator	E-L5973AD	SMD 107-7143●	6.29	4.68	3.83	3.01	– –
5973	ST	8	HSOP	1.235V to 35V, 2.5A Switch Step-Down Switching Regulator	E-L5973D	SMD 107-7145●	6.31	4.70	3.85	3.03	– –
5991	ST	16	DIL	Current mode Pulse Width Modulation Controller with standby	E-L5991	115-9685●	5.23	4.00	3.44	2.64	– –
6351	TOR	6	SOT-26	Low current charge pump, operates 1.2V to 5.0V negative voltage generator.	XC6351A120MR	SMD 360-5863●	5.15	4.23	3.81	– –	– –
6561	ST	8	DIL	Power Factor corrector. Micro power start-up Current 90µA, Disable Feature	L6561	323-6134▲	3.02	2.31	1.98	1.52	– –
6561	ST	8	SOIC	Power Factor corrector. Micro power start-up Current 90µA, Disable Feature	E-L6561D	SMD 988-2464●	2.46	1.88	1.62	1.24	– –
6561	ST	8	DIL	Power Factor corrector. Micro power start-up Current 90µA, Disable Feature	E-L6561	988-2480●	2.46	1.88	1.62	1.24	– –
6562	ST	8	SOIC	Transition-Mode PFC Controller	E-L6562D	SMD 107-7148●	2.01	1.54	1.32	1.01	– –
6565	ST	8	SOIC	Quasi-Resonant SMPS Controller.	E-L6565D	SMD 107-7149●	2.71	2.08	1.78	1.37	– –
6734	TI	8	SOIC	DC-DC Converter, 120MA 12V.	TPS6734ID	SMD 845-8111●	4.11	3.14	2.31	2.00	– –
6734	TI	8	PDIP	DC-DC Converter, 120MA 12V.	TPS6734IP	845-8120●	4.11	3.14	2.31	2.00	– –
6735	TI	8	SOIC	SWITCHING REG, INV 200MA 5V	TPS6735ID	SMD 845-8138●	4.11	3.14	2.31	2.00	– –
6755	TI	8	PDIP	SWITCHING REG, INV ADJ	TPS6755IP	845-8146●	4.62	3.53	2.70	2.37	– –
6902	ST	8	SOIC	Up-to 1A Step-Down Switching Regulator with Adjustable Current Limit	E-L6902D	SMD 107-7151●	5.70	4.36	3.75	2.87	– –
6920	ST	8	TSSOP	1V High Efficiency Synchronous Step-Up Converter	E-L6920D	SMD 107-7152●	5.96	4.56	3.92	3.01	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
7660	INTS	8	DIL	CMOS Voltage Converter, operates 1.5 to 10V	ICL7660CPA	408-554	1.59	1.35	1.19	1.04	– –
7660	TS	8	DIL	High Frequency, CMOS Voltage Converter, operates 1.5 to 10V. (120KHz)	TC7660HCPA.	703-655▲‡	1.33	1.11	1.07	– –	– –
7660	INTS	8	DIL	CMOS Voltage Converter, operates 1.5 to 10V	ICL7660CPAZ	101-8170●	1.64	1.39	1.23	1.07	– –
7660	INTS	8	SOIC	CMOS Voltage Converter	ICL7660CBAZ	SMD 966-3703●	1.38	1.23	1.10	1.04	– –
7660	INTS	8	DIL	CMOS Voltage Converter, operates 1.5 to 12V (improved ICL7660CPA)	ICL7660SCPAZ	966-3711●	1.90	1.69	1.52	1.44	– –
7660	MAX	8	SOIC	Switched-Capacitor CMOS Voltage Converter, operates 1.5 to 10V	ICL7660CSA+	SMD 972-4710●	6.55	5.01	3.39	– –	– –
7660	MAX	8	SOIC	Switched-Capacitor CMOS Voltage Converter, operates 1.5 to 10V.(IND TEMP)	ICL7660ESA+	SMD 972-4729●	9.37	7.17	4.86	– –	– –
7660	TS	8	DIL	CMOS Voltage Converter, operates 1.5 to 10V. (10KHz)	TC7660CPA	976-2680●	1.35	0.98	0.88	– –	– –
7660	TS	8	DIL	High Frequency, CMOS Voltage Converter, operates 1.5 to 10V. (120KHz)	TC7660HCPA	976-2698●	1.68	1.22	1.12	– –	– –
7661	MAX	8	SOIC	CMOS Voltage Converter, operates 4.5 to 20V	SI7661CSA	SMD 641-881▲‡	6.95	5.32	3.60	– –	– –
7661	MAX	8	SOIC	CMOS Voltage Converter, operates 4.5 to 20V	SI7661CSA+	SMD 972-6110●	6.95	5.32	3.60	– –	– –
7662	INTS	8	DIL	CMOS Voltage Converter, operates 4.5 to 20V	ICL7662CPA	408-610▲‡	2.46	2.09	1.85	1.62	– –
7662	MCHIP	8	DIL	Converter, DC to DC High Current Charge Pump	TC7662ACPA	119-6817●	4.81	3.22	2.91	– –	– –
7662	MAX	8	SOIC	CMOS charge pump inverter, operates 4.5 to 20V	ICL7662CBA+	SMD 972-4737●	8.61	6.59	4.46	– –	– –
7662	MCHIP	8	SOIC	Converter, DC to DC Charge Pump	TC7662BCOA	SMD 976-2701●	3.17	2.30	2.10	– –	– –
7665	MAX	8	DIL	CMOS Over and Under Voltage Detector, low power	ICL7665ACPA	205-242▲	11.47	8.78	5.95	– –	– –
7665	INTS	8	DIL	CMOS Over and Under Voltage Detector, low power	ICL7665SCPA	408-633‡	3.01	2.56	2.26	1.97	– –
7665	INTS	8	DIL	CMOS Over and Under Voltage Detector, low power	ICL7665SCPAZ	101-8171●	3.10	2.63	2.33	2.03	– –
7665	INTS	8	SOIC	CMOS Over and Under Voltage Detector	ICL7665SCBAZ	SMD 966-3738●	2.86	2.53	2.28	2.15	– –
7665	MAX	8	SOIC	CMOS Over and Under Voltage Detector, low power	ICL7665ACSA+	SMD 972-5970●	13.37	10.23	6.93	– –	– –
7673	INTS	8	DIL	CMOS Battery Back-Up Switch for CMOS SRAM, RTCs etc	ICL7673CPAZ	101-8172●	3.16	2.68	2.37	2.07	– –
7673	INTS	8	SOIC	CMOS Battery Back-Up Switch for CMOS SRAM, RTCs etc	ICL7673CBAZA	SMD 966-3746●	3.33	2.96	2.66	2.51	– –
7726	TI	8	SOIC	Hex Clamping Circuit	TL7726CD	SMD 959-3730●	3.18	2.43	1.79	1.55	– –
7726	TI	8	DIL	Hex Clamping Circuit	TL7726CPG4	959-3748●	4.03	3.08	2.27	1.96	– –
7726	TI	8	SOIC	Hex Clamping Circuit	TL7726ID	SMD 959-3756●	3.42	2.62	1.93	1.67	– –
8211	MAX	8	DIL	Micropower Voltage Detector Indicator - defined output current limit.	MAX8211CPA+	118-7924●	4.86	3.72	2.52	– –	– –
8211	MAX	8	SOIC	Micropower Voltage Detector Indicator - defined output current limit.	MAX8211CSA+	SMD 972-5911●	6.18	4.73	3.21	– –	– –
8212	MAX	8	SOIC	Micropower Voltage Detector Indicator - high output current.	MAX8212CSA	SMD 571-556▲‡	5.33	4.08	2.77	– –	– –
8212	MAX	8	SOIC	Micropower Voltage Detector Indicator - high output current.	MAX8212CSA+	SMD 972-5920●	5.33	4.08	2.77	– –	– –
8364	NSC	5	SOT-23	Micropower Undervoltage Sensing Circuit	LM8364BALMF20.	SMD 580-1205‡	1.69	1.16	0.84	– –	– –
8364	NSC	5	SOT-23	Micropower Undervoltage Sensing Circuit	LM8364BALMF30.	SMD 580-1217‡	1.69	1.16	0.84	– –	– –
8364	NSC	5	SOT-23	Micropower Undervoltage Sensing Circuit	LM8364BALMF20	SMD 977-9485●	1.69	1.16	0.84	– –	– –
8364	NSC	5	SOT-23	Micropower Undervoltage Sensing Circuit	LM8364BALMF30	SMD 977-9493●	1.69	1.16	0.84	– –	– –
8365	NSC	5	SOT-23	Micropower Undervoltage Sensing Circuit with Programmable Output Delay	LM8365BALMF27.	SMD 580-1242‡	1.88	1.30	0.94	– –	– –
8365	NSC	5	SOT-23	Micropower Undervoltage Sensing Circuit with Programmable Output Delay	LM8365BALMF27	SMD 977-9523●	1.88	1.30	0.94	– –	– –
8660	ADI	8	DIL	CMOS Switched Capacitor charge pump voltage converter. (Upgrade for MAX660/LT1046)	ADM8660ANZ	114-3193●	4.71	3.92	3.14	– –	– –
9113	SLX	14	DIL	High Voltage Current Mode PWM Controller for power supplies.	SI9113DY.	434-8485▲	5.50	5.17	4.71	4.44	– –
9116	TOR	5	SOT-23	DC/DC Converter, 1MHz Backlight LED Driver with Over-voltage limit	XC9116B02AMR	SMD 105-7813●	3.26	2.80	2.33	– –	– –
9120	SLX	16	DIL	Universal Input Switchmode Controller. 50V to 450V input	SI9120DJ.	408-750▲‡	4.86	4.57	4.16	3.93	– –
9120	SLX	16	DIL	Universal Input Switchmode Controller. 50V to 450V input	SI9120DJ-E3	107-7127●	4.86	4.57	4.16	3.93	– –
9145	SLX	16	SOIC	Low Voltage PWM Controller	SI9145BY.	SMD 786-690▲‡	7.90	7.43	6.76	6.38	– –
9145	SLX	16	SOIC	Low Voltage PWM Controller	SI9145BY	SMD 107-7081●	7.90	7.43	6.76	6.38	– –
9174	SLX	10	MSOP	High Performance Step-Down DC-DC Converter With Dynamically Adjustable Output Voltage	SI9174DH-T1-E3	SMD 110-2519●	4.70	4.42	4.02	3.80	– –
9175	SLX	10	MSOP	High Performance Step-Down DC-DC Converter With Adjustable Output Voltage	SI9175DH-T1-E3	SMD 110-2520●	4.70	4.42	4.02	3.80	– –
9176	SLX	10	MSOP	High Performance Step-Down DC-DC Converter With Adjustable Output Voltage	SI9176DH-T1-E3	SMD 110-2521●	4.70	4.42	4.02	3.80	– –
9201	TOR	8	MSOP	Converter, Step-down DC/DC PWM controlled.	XC9201C50AKRN	SMD 110-6662●	4.23	3.58	2.86	– –	– –
9201	TOR	8	MSOP	Converter, Step-down DC/DC PWM controlled.	XC9201C33AKRN	SMD 110-6663●	4.23	3.58	2.86	– –	– –
9201	TOR	8	MSOP	Converter, Step-down DC/DC Adj PWM controlled.	XC9201D09AKRN	SMD 110-6664●	4.23	3.58	2.86	– –	– –
9207	TOR	5	SOT-23-5	Converter, Step-down DC/DC PWM/PFM Switchable driver Transistor built in.	XC9207A33CMRN	SMD 110-6660●	3.91	3.26	2.60	– –	– –
9216	TOR	5	SOT-25	500mA Synchronous Step-Down DC/DC Converter, 1.2V.	XC9216A12CMR	SMD 879-7080●	3.58	3.09	2.56	– –	– –
9216	TOR	5	SOT-25	500mA Synchronous Step-Down DC/DC Converter, 1.5V.	XC9216A15CMR	SMD 879-7099●	3.58	3.09	2.56	– –	– –
9216	TOR	5	SOT-25	500mA Synchronous Step-Down DC/DC Converter, 1.8V.	XC9216A18CMR	SMD 879-7102●	3.58	3.09	2.47	– –	– –
9223	TOR	10	MSOP	1.0A Sync DC/DC Converter, 1MHz Driver Transistor	XC9223B081AR	SMD 105-7814●	5.89	5.05	4.19	– –	– –
9226	TOR	5	SOT-23	500mA Sync Stepdown DC/DC Converter, PWM/PFM Auto Switch Control.	XC9226A12CMR	SMD 105-7815●	3.58	3.09	2.56	– –	– –
9226	TOR	5	SOT-23	500mA Sync Stepdown DC/DC Converter, PWM/PFM Auto Switch Control.	XC9226A15CMR	SMD 105-7816●	3.58	3.09	2.56	– –	– –
9226	TOR	5	SOT-23	500mA Sync Stepdown DC/DC Converter, PWM/PFM Auto Switch Control.	XC9226A18CMR	SMD 105-7817●	3.58	3.09	2.56	– –	– –
9241	SLX	8	SOIC	Single-Ended Bus Driver	SI9241EY	SMD 107-7083●	2.81	2.64	2.41	2.27	– –
9801	TOR	8	MSOP	Low current step-up charge pump, input 1.8V to 5.5V, output 2.5V to 5.2V.	XC9801B503KR	SMD 360-5875●	5.77	4.77	4.32	– –	– –
10503	TI	12	SOP	DC-DC Converter 1W Regulated.	DCR010503UE4	SMD 120-6891●	20.57	17.67	15.24	13.71	– –
10505	TI	7	SOP	DC-DC Converter.	DCP010505BP-UE4	SMD 120-6888●	17.47	15.01	12.94	11.64	– –
10505	TI	7	PDIP	DC-DC Converter. 1 Watt.	DCP010505DBP	120-6889●	19.26	16.55	14.27	12.84	– –
10505	TI	12	SOP	DC-DC Converter, 1W Regulated	DCR010505U	SMD 121-2384●	20.57	17.67	15.24	13.71	– –
10505	TI	18	DIL	5Vin/5Vout, 1W Isolated, output regulated DC-DC converter. (IND TEMP).	DCR010505P	121-4382●	19.43	16.69	14.39	12.95	– –
10505	BB	18	DIL	5Vin/5Vout, 1W Isolated, output regulated DC-DC converter. (IND TEMP).	DCR010505P.	353-5071	19.43	16.69	14.39	12.95	– –
10505	TI	12	SOP	DC-DC Converter, 1W Regulated	DCR010505U..	SMD 846-6424	19.10	16.41	14.15	12.73	– –
10512	TI	7	PDIP	DC-DC Converter.	DCP010512DBPE4	120-6890●	19.26	16.55	14.27	12.84	– –
10512	TI	14	DIL	5V in/+/-12V out, 1W isolated DC-DC convertor.	DCP010512BP	121-4388●	17.47	15.01	12.94	11.64	– –
10512	BB	14	DIL	5V in/+/-12V out, 1W isolated DC-DC convertor.	DCP010512BP.	355-0620	17.47	15.01	12.94	11.64	– –
10515	BB	14	DIL	5V in/ ±15V out, 1W isolated DC-DC Converter, (Enhanced DCP010515DP)	DCP010515DBP	109-7488	19.26	16.55	14.27	12.84	– –
11205	TI	12	SOP	DC-DC Converter 1W Regulated.	DCR011205U	SMD 121-2385●	20.57	17.67	15.24	13.71	– –
11205	TI	12	SOP	DC-DC Converter 1W Regulated.	DCR011205U.	SMD 846-6432	21.91	18.82	16.24	14.60	– –
11515	TI	14	DIL	15V in/15V out, dual output, 1W isolated DC-DC convertor with thermal shutdown and overload protection.	DCP011515DBP	121-4389●	19.26	16.55	14.27	12.84	– –
11515	BB	14	DIL	15V in/15V out, dual output, 1W isolated DC-DC convertor with thermal shutdown and overload protection.	DCP011515DBP.	355-0631	18.18	15.62	13.47	12.12	– –
20505	TI	14	DIL	5Vin/5Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP020505P	121-4376●	22.69	19.49	16.81	15.12	– –
20505	TI	28	SOIC	5Vin/5Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP020505UE4	SMD 121-4381●	23.02	19.78	17.06	15.34	– –
20505	BB	14	DIL	5Vin/5Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP020505P.	353-4947	22.69	19.49	16.81	15.12	– –
20505	BB	28	SOIC	5Vin/5Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP020505U	SMD 353-5046	23.02	19.78	17.06	15.34	– –
20515	BB	14	DIL	5Vin/ +/-15Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP020515DP	109-7501	22.69	19.49	16.81	15.12	– –
20515	TI	12	SOP	DC-DC Converter	DCP020515DU	SMD 121-2381●	23.02	19.78	17.06	15.34	– –
20515	BB	14	DIL	5Vin/ +/-15Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP020515DP.	353-4959‡	22.69	19.49	16.81	15.12	– –
20515	TI	12	SOP	DC-DC Converter	DCP020515DU..	SMD 846-6394	22.80	19.58	16.89	15.19	– –
21212	TI	14	DIL	12Vin/12Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP021212P	121-4377●	22.69	19.49	16.81	15.12	– –
21212	TI	14	DIL	12Vin/ +/-12Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP021212DP	121-4379●	22.69	19.49	16.81	15.12	– –
21212	BB	14	DIL	12Vin/12Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP021212P.	353-4972	22.69	19.49	16.81	15.12	– –
21212	BB	14	DIL	12Vin/ +/-12Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP021212DP.	353-4984	22.69	19.49	16.81	15.12	– –
22415	BB	14	DIL	24Vin/ +/-15Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP022415DP	109-7502	22.69	19.49	16.81	15.12	– –
22415	TI	12	SOP	DC-DC Converter 2 Watt	DCP022415DU	SMD 121-2383●	23.02	19.78	17.06	15.34	– –
22415	BB	14	DIL	24Vin/ +/-15Vout, 2W Isolated DC-DC converter. (IND TEMP).	DCP022415DP.	353-5022‡	22.69	19.49	16.81	15.12	– –
22415	TI	12	SOP	DC-DC Converter 2 Watt	DCP022415DU.	SMD 846-6408	21.37	18.36	15.84	14.24	– –
24002	TI	20	HTSSOP	LI-ION Battery Charger, 4.1/4.2V	BQ24002PWPG4	SMD 120-6834●	5.28	4.04	3.08	2.71	– –
24005	TI	20	TSSOP	2-cell Li-Ion charge management IC.	BQ24005PWP	SMD 110-6058●	7.04	5.39	4.11	3.62	– –
24005	TI	20	TSSOP	2-cell Li-Ion charge management IC.	BQ24005PWP.	SMD 501-1723	8.07	6.17	4.71	4.15	– –
24010	TI	10	SON	Linear 1-Cell Charger.	BQ24010DRCRG4	SMD 120-6835●	4.62	3.53	2.70	2.37	– –
24012	TI	10	SON	Linear 1-Cell Charger.	BQ24012DRCRG4	SMD 120-6836●	4.62	3.53	2.70	2.37	– –
24100	TI	20	QFN	bqSWITCHER Synchronous, Switch-Mode Li-Ion Charger w/ 2-A FET in QFN, 1-Cell, Standalone Version	BQ24100RHLR	SMD 959-3942●	9.24	7.07	5.40	4.75	– –
24103	TI	20	QFN	bqSWITCHER Synchronous, Switch-Mode Li-Ion Charger w/ 2-A FET in QFN, 1- or 2-cell, Standalone	BQ24103RHLR	SMD 959-3950●	9.68	7.41	5.65	4.97	– –
24105	TI	20	QFN	bqSWITCHER Synchronous, Switch-Mode Li-Ion Charger w/ 2-A FET in QFN, 1 to 3 cells, Standalone	BQ24105RHLR	SMD 959-3969●	13.68	10.47	8.68	7.74	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
24108	TI	20	QFN	bqSWITCHER Synchronous, Switch-Mode Li-Ion Charger w/ 2-A FET in QFN, Stan-dalone	BQ24108RHLR	SMD 959-3977	9.68	7.41	5.65	4.97	– –
24113	TI	20	QFN	bqSWITCHER Synchronous, Switch-Mode Li-Ion Charger w/ 2-A FET in QFN, 1- or 2-cell, Sys-Controll	BQ24113RHLR	SMD 959-3985	9.68	7.41	5.65	4.97	– –
24115	TI	20	QFN	bqSWITCHER Synchronous, Switch-Mode Li-Ion Charger w/ 2-A FET in QFN, 1 to 3 cells, Sys-Controll	BQ24115RHLR	SMD 959-3993	13.68	10.47	8.68	7.74	– –
24200	TI	8	HTSSOP	Battery Charger, 500MA 4.2V	BQ24200DGN	SMD 840-7924	4.15	3.18	2.34	2.02	– –
24202	TI	8	HTSSOP	Battery Charger, 500MA 4.2V	BQ24202DGN	SMD 840-7932	4.15	3.18	2.34	2.02	– –
24702	TI	24	TSSOP	Battery Charge Controller and Selector w	BQ24702PWG4	SMD 120-6838	12.12	9.28	7.68	6.85	– –
24703	TI	24	TSSOP	Battery Charge Controller	BQ24703PW	SMD 121-2264	12.12	9.28	7.68	6.85	– –
24703	TI	24	TSSOP	Battery Charge Controller	BQ24703PW.	SMD 840-7975	11.44	8.75	7.25	6.47	– –
26231	TI	8	TSSOP	Battery Coulomb Counter	BQ26231PW	SMD 121-2265	6.60	5.05	3.86	3.39	– –
26231	TI	8	TSSOP	Battery Coulomb Counter	BQ26231PW.	SMD 840-7991	6.83	5.23	3.99	3.51	– –
27241	NSC	20	TSSOP	Synchronous Buck Regulator Controller for Mobile Systems	LM27241MTC	SMD 100-8004	8.13	5.91	4.43	– –	– –
28025	TI	16	SOIC	PWM Controller	UC28025DWG4	SMD 120-7368	5.63	4.31	3.29	2.89	– –
28083	TI	8	SOIC	PWM Controller, Current Mode Push-Pull	UCC28083DG4	SMD 120-7399	5.28	4.04	3.08	2.71	– –
28220	TI	16	SOIC	PWM Controller, Dual Interleaved	UCC28220D	SMD 846-2887	7.04	5.39	4.11	3.62	– –
28221	TI	16	SOIC	PWM Controller, Dual Interleaved	UCC28221D	SMD 846-2909	7.26	5.55	4.24	3.73	– –
33063	ON	8	DIL	1.5A Switching Regulator, 2.5V to 40V operation	MC33063AP1G	966-4432	1.98	1.58	1.24	0.86	– –
33063	ON	8	SOIC	1.5A Switching Regulator, 2.5V to 40V operation	MC33063ADG	SMD 966-4440	1.98	1.58	1.24	0.86	– –
33064	ON	8	SOIC	Undervoltage Sensing Circuit with 4.6V threshold. (IND TEMP)	MC33064D-5G	SMD 121-1114	2.60	2.25	1.63	– –	– –
33163	ON	16	SOIC	3.4A Switching Regulator, 2.5V to 40V operation	MC33163DWG	SMD 119-2058	11.34	8.69	6.40	5.53	– –
33163	ON	16	DIL	3A Power Switching Regulator. (IND TEMP)	MC33163PG	966-6850	6.23	5.64	5.37	4.96	– –
33164	ON	8	SOIC	Undervoltage Sensing Circuit with 4.3V threshold. (IND TEMP)	MC33164D-5G	SMD 121-1118	4.75	2.64	1.89	– –	– –
33166	ON	5	D2-Pak	3.4A Switching Regulator, 7.5V to 40V operation	MC33166D2TG	SMD 120-9630	11.72	8.98	7.06	– –	– –
33166	ON	5	TO-220	3A Power Switching Regulator. (IND TEMP)	MC33166TG	966-6869	7.36	6.66	6.33	5.85	– –
33167	ON	5	D2-Pak	5.5A Switching Regulator, 7.5V to 40V operation	MC33167D2TG	SMD 966-4467	7.66	6.94	6.59	6.09	– –
33167	ON	5	TO-220	5A Power Switching Regulator. (IND TEMP)	MC33167TG	966-6877	8.71	8.27	6.90	6.09	– –
33262	ON	8	SOIC	Power Factor Controller	MC33262DG	SMD 966-4475	1.98	1.58	1.24	0.86	– –
33262	ON	8	DIL	Power Factor Controller	MC33262PG	966-6745	1.98	1.58	1.24	0.86	– –
33340	ON	8	SOIC	Battery Fast Charge Controller	MC33340DG	SMD 966-6753	4.09	3.26	2.56	1.78	– –
33363	ON	16	SOIC	High Voltage Switching Regulator, 700V/1A	MC33363BDWG	SMD 119-2057	10.38	6.28	4.59	– –	– –
34060	ON	14	DIL	Switchmode PWM control circuit. (IND TEMP)	MC34060APG	121-4461	4.61	3.33	2.46	1.67	– –
34060	ON	14	DIL	Switchmode PWM control circuit. (IND TEMP)	MC34060AP	300-4806	2.52	1.81	1.34	0.91	– –
34063	FCH	8	DIL	Single Ended Power Switching Regulator	KA34063A	101-3812	1.77	1.32	1.05	– –	– –
34063	ST	8	DIL	DC/DC Converter Control Circuit	MC34063ABN	107-7180	1.69	1.29	1.11	0.85	– –
34063	ST	8	DIL	DC/DC Converter Control Circuit	MC34063ACN	107-7182	1.63	1.25	1.09	0.82	– –
34063	ST	8	DIL	DC/DC Converter Control Circuit	MC34063EBN	107-7183	1.63	1.11	0.94	0.88	– –
34063	ST	8	DIL	DC/DC Converter Control Circuit	MC34063ECN	107-7184	1.70	1.30	1.12	0.86	– –
34063	ST	8	SO-8	DC/DC Converter for Step-Down, Step-Up and Voltage-Inverting applications (IND TEMP)	MC34063ABD	SMD 108-7205	1.82	1.39	1.20	0.92	– –
34063	ST	8	SO-8	DC/DC Converter for Step-Down, Step-Up and Voltage-Inverting applications	MC34063ACD	SMD 108-7206	2.57	2.21	1.69	1.27	– –
34063	ST	8	SO-8	Low Voltage DC/DC Converter for Step-Down, Step-Up and Voltage-Inverting applica-tions (IND TEMP)	MC34063ECD	SMD 108-7207	1.71	1.31	1.13	0.86	– –
34063	ON	8	DIL	1.5A, DC-DC converter with reference, comparator, current limit, 3.0V to 40V	MC34063AP1G	119-1818	1.95	1.46	1.20	0.68	– –
34063	ON	8	SOIC	Single Ended Power Switching Regulator	MC34063ADG	SMD 121-1119	1.99	1.30	1.17	– –	– –
34063	FCH	8	SOIC	Single Ended Power Switching Regulator	KA34063ADTF	SMD 121-2947	2.08	1.68	1.38	– –	– –
34063	SAM	8	DIL	Single Ended Power Switching Regulator	KA34063A.	345-8040 ▲‡	1.77	1.32	1.05	– –	– –
34063	SAM	8	SOIC	Single Ended Power Switching Regulator	KA34063AD.	SMD 345-8052	1.70	1.37	1.13	– –	– –
34129	FSL	14	DIL	Current Mode Switching Regulator for Low Power Digital Phones...	MC34129EC	120-0518	5.46	3.34	2.97	– –	– –
34161	ON	8	DIL	Universal Voltage Monitor	MC34161PG	119-2084	4.72	3.61	2.67	2.29	– –
35701	UNI	14	DIL	Advanced Voltage Mode PWM Controller	UCC35701N	110-1431	11.53	8.83	7.31	6.52	– –
35701	UNI	14	SOIC	Advanced Voltage Mode PWM Controller	UCC35701D	SMD 110-1433	11.53	8.83	7.31	6.52	– –
35701	UNI	14	DIL	Advanced Voltage Mode PWM Controller	UCC35701N.	352-7074	11.02	8.43	6.98	6.23	– –
35701	UNI	14	SOIC	Advanced Voltage Mode PWM Controller	UCC35701D.	SMD 352-7086	10.55	8.07	6.68	5.96	– –
35702	TI	14	SOIC	Advanced Voltage Mode PWM Controller	UCC35702D	SMD 121-4371	11.53	8.83	7.31	6.52	– –
35702	UNI	14	SOIC	Advanced Voltage Mode PWM Controller	UCC35702D.	SMD 352-7104	10.25	7.84	6.50	5.79	– –
39002	TI	8	DIL	Load share controller	UCC39002PE4	121-4439	4.44	3.55	2.62	2.26	– –
39002	TI	8	DIL	Load share controller	UCC39002P	501-2340	4.44	3.55	2.62	2.26	– –
40000	TI	10	HTSSOP	Low Input Voltage. Synch. Buck Converter	TPS40000DGQ	SMD 845-7387	4.66	3.70	2.73	2.36	– –
40000	TI	10	MSOP	Low Input Voltage-Mode Synchronous Buck Controller	TPS40000DGQG4	SMD 932-4240	4.66	3.70	2.73	2.36	– –
40002	TI	10	MSOP	Low Input Voltage-Mode Synchronous Buck Controller	TPS40002DGQG4	SMD 932-4259	4.66	3.70	2.73	2.36	– –
40003	TI	10	HTSSOP	Low Input Voltage. Synch. Buck Converter	TPS40003DGQ	SMD 845-7395	4.11	3.14	2.31	2.00	– –
40003	TI	10	MSOP	Low Input Voltage-Mode Synchronous Buck Controller	TPS40003DGQG4	SMD 932-4267	4.11	3.14	2.31	2.00	– –
40007	TI	10	HTSSOP	Low Input (2.25V-5.5V) 300 kHz Frequency, Synchronous Buck Controller, Source/ Sink, Prebias Operation	TPS40007DGQ	SMD 959-4043	5.28	4.04	3.08	2.71	– –
40009	TI	10	HTSSOP	Low Input Voltage. Synch. Buck Converter	TPS40009DGQ	SMD 845-7409	4.66	3.70	2.73	2.36	– –
40051	TI	16	TSSOP	Buck Controller, Wide input Synchronous	TPS40051PWP	SMD 110-6051	7.13	5.46	4.17	3.67	– –
40054	TI	16	HTSSOP	Wide Input (8V-40V) up to 1MHz Frequency Synchronous Buck Controller, source only	TPS40054PWPG4	SMD 959-4051	5.94	4.54	3.47	3.05	– –
40057	TI	16	HTSSOP	Wide Input Voltage Synchronous Buck Converter	TPS40057PWPG4	SMD 120-7323	5.94	4.54	3.47	3.05	– –
40060	TI	16	HTSSOP	Wide Input Voltage Synchronous Buck Converter	TPS40060PWPG4	SMD 120-7324	6.16	4.71	3.60	3.17	– –
40071	TI	16	HTSSOP	Mid Range Input Synchronous Buck Converter	TPS40071PWPG4	SMD 120-7326	5.94	4.54	3.47	3.05	– –
54110	TI	20	HTSSOP	Buck Converter	TPS54110PWPG4	SMD 120-7327	8.80	6.73	5.14	4.52	– –
54310	TI	20	SOIC	3A, Adjustable output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54310PWP	SMD 110-6048	10.34	7.91	6.04	5.31	– –
54312	TI	20	SOIC	3A, 1.2V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54312PWP	SMD 110-6043	10.34	7.91	6.04	5.31	– –
54314	TI	20	SOIC	3A, 1.8V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54314PWP	SMD 110-6045	10.34	7.91	6.04	5.31	– –
54315	TI	20	SOIC	3A, 2.5V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54315PWP..	SMD 110-6046	10.34	7.91	6.04	5.31	– –
54315	TI	20	SOIC	3A, 2.5V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54315PWP.	SMD 416-3734	13.40	10.26	8.50	7.58	– –
54316	TI	20	SOIC	3A, 3.3V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54316PWP	SMD 110-6047	10.34	7.91	6.04	5.31	– –
54350	TI	16	HTSSOP	Buck Converter, 3A 4.5-20V	TPS54350PWPG4	SMD 120-7328	9.02	6.90	5.27	4.64	– –
54354	TI	16	HTSSOP	4.5V to 20V Input, 1.8V Output, 3A Output Synchronous PWM Switcher	TPS54354PWPG4	SMD 959-4060	9.02	6.90	5.27	4.64	– –
54356	TI	16	HTSSOP	4.5V to 20V Input, 3.3V Output, 3A Output Synchronous PWM Switcher	TPS54356PWPG4	SMD 959-4078	9.02	6.90	5.27	4.64	– –
54357	TI	16	HTSSOP	4.5V to 20V Input, 5.0V Output, 3A Output Synchronous PWM Switcher	TPS54357PWPG4	SMD 959-4086	9.02	6.90	5.27	4.64	– –
54610	TI	20	SOIC	6A, Adjustable output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54610PWP	SMD 110-0945	13.10	10.02	8.30	7.40	– –
54612	TI	20	SOIC	6A, 1.2V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54612PWP	SMD 110-6049	13.10	10.02	8.30	7.40	– –
54612	TI	20	SOIC	6A, 1.2V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54612PWP.	SMD 416-3760	13.10	10.02	8.30	7.40	– –
54613	TI	28	HTSSOP	Buck PWM Synchronous Switcher, w/FET	TPS54613PWPG4	SMD 120-7329	13.10	10.02	8.30	7.40	– –
54614	TI	20	SOIC	6A, 1.8V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54614PWP	SMD 121-4407	13.10	10.02	8.30	7.40	– –
54614	TI	20	SOIC	6A, 1.8V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54614PWP.	SMD 416-3771	15.35	11.75	9.73	8.68	– –
54615	TI	20	SOIC	6A, 2.5V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54615PWPG4	SMD 121-4409	13.10	10.02	8.30	7.40	– –
54615	TI	20	SOIC	6A, 2.5V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54615PWP	SMD 416-3783	13.10	10.02	8.30	7.40	– –
54616	TI	20	SOIC	6A, 3.3V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54616PWPG4	SMD 121-4411	13.10	10.02	8.30	7.40	– –
54616	TI	20	SOIC	6A, 3.3V output synchronous Buck PWM switcher with integrated FETs (IND TEMP)	TPS54616PWP	SMD 416-3795	13.10	10.02	8.30	7.40	– –
60110	TI	20	HTSSOP	DC-DC Converter, 300MA 5V, Charge Pump	TPS60110PWPG4	SMD 120-7330	5.72	4.38	3.34	2.94	– –
60131	TI	20	TSSOP	Regulated, 5.0V, 300mA High efficiency Charge Pump DC/DC Converter (+40 to +85°C Temp range)	TPS60131PWPG4	SMD 121-4368	5.72	4.38	3.34	2.94	– –
60131	TI	20	TSSOP	Regulated, 5.0V, 300mA High efficiency Charge Pump DC/DC Converter (+40 to +85°C Temp range)	TPS60131PWP	SMD 334-9445	5.72	4.38	3.34	2.94	– –
60140	TI	20	TSSOP	low power, 2-cell charge pump DC/DC convertor, 5V 100mA o/p, Low battery detect.	TPS60140PWPG4	SMD 121-4397	4.62	3.53	2.70	2.37	– –
60140	TI	20	TSSOP	low power, 2-cell charge pump DC/DC convertor, 5V 100mA o/p, Low battery detect.	TPS60140PWP	SMD 355-6025	4.62	3.53	2.70	2.37	– –
60200	TI	8	MSOP	low power, 2-cell charge-pump DC/DC convertor, 3.3V 100mA o/p, low battery de-tect	TPS60200DGSG4	SMD 121-4398	4.62	3.53	2.70	2.37	– –

● Compliant
Non-compliant
▲ ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
60200	TI	8	MSOP	low power, 2-cell charge-pump DC/DC convertor, 3.3V 100mA o/p, low battery detect	TPS60200DGS	SMD 355-6049	4.62	3.53	2.70	2.37	– –
60400	TI	5	SOP	Charge Pump Inverter, Var.Frequency	TPS60400DBVT	SMD 845-7751	1.82	1.45	1.14	0.79	– –
60401	TI	5	SOP	Charge Pump Inverter, 17KHZ	TPS60401DBVT	SMD 845-7760	1.82	1.45	1.14	0.79	– –
60402	TI	5	SOP	Charge Pump Inverter, 50KHZ	TPS60402DBVT	SMD 845-7778	1.82	1.45	1.14	0.79	– –
61000	TI	10	MSOP	Single/Dual-cell Step-Up converter, Adjustable output (IND TEMP).	TPS61000DGSG4	SMD 121-4399	4.40	3.37	2.48	2.14	– –
61006	TI	10	MSOP	Single/dual cell boost DC/DC convertor, output 3.3V	TPS61006DGS	SMD 110-2967	4.40	3.37	2.48	2.14	– –
61006	TI	10	MSOP	Single/dual cell boost DC/DC convertor, output 3.3V	TPS61006DGS.	SMD 355-6074	4.39	3.36	2.47	2.14	– –
61010	TI	10	VSSOP	Boost Converter, ADJ	TPS61010DGS	SMD 845-7808	4.84	3.70	2.83	2.49	– –
61010	TI	10	MSOP	High-Efficiency Boost Converter.	TPS61010DGSG4	SMD 932-4283	4.84	3.70	2.83	2.49	– –
61016	TI	10	VSSOP	Boost Converter, ADJ	TPS61016DGS	SMD 845-7816	4.84	3.70	2.83	2.49	– –
61020	TI	10	SOT	Adjustable, 1.5-A Switch, 96% Efficient Boost Converter w/ LDO Down-Mode, QFN-10	TPS61020DRCRG4	SMD 996-9160	6.16	4.71	3.60	3.17	– –
61030	TI	16	HTSSOP	Boost Converter, 1A ADJ.	TPS61030PWPG4	SMD 120-7331	9.24	7.07	5.40	4.75	– –
61030	TI	16	QFN	Boost Converter, 1A ADJ.	TPS61030RSARG4	SMD 120-7332	9.24	7.07	5.40	4.75	– –
61032	TI	16	HTSSOP	Boost Converter, 1A 3.3V	TPS61032PWPRG4	SMD 120-7333	9.24	7.07	5.40	4.75	– –
61090	TI	16	QFN	Boost Converter, 0.5A ADJ	TPS61090RSARG4	SMD 120-7334	7.48	5.72	4.37	3.84	– –
61092	TI	16	QFN	Boost Converter, 0.5A 5.0V	TPS61092RSARG4	SMD 120-7335	7.48	5.72	4.37	3.84	– –
61100	TI	20	TSSOP	Dual output, single-cell Boost Converter	TPS61100PWG4	SMD 121-4436	8.14	6.23	4.76	4.18	– –
61100	TI	20	TSSOP	Dual output, single-cell Boost Converter	TPS61100PW	SMD 501-2200	8.14	6.23	4.76	4.18	– –
62000	TI	10	MSOP	Buck Converter, Synchronous with Adjustable Output	TPS62000DGS	SMD 110-3058	5.72	4.38	3.34	2.94	– –
62000	TI	10	MSOP	Buck Converter, Synchronous with Adjustable Output	TPS62000DGS.	SMD 442-5236	7.04	5.39	4.11	3.62	– –
62003	TI	10	SSOP	High-efficiency Step-down (1.2V) DC/DC Converter	TPS62003DGS	SMD 110-3117	6.16	4.71	3.60	3.17	– –
62003	TI	10	SSOP	High-efficiency Step-down (1.2V) DC/DC Converter	TPS62003DGS.	SMD 501-2211	6.34	4.85	3.70	3.26	– –
62005	TI	10	SSOP	High-efficiency Step-down (1.8V) DC/DC Converter	TPS62005DGS	SMD 110-3119	6.16	4.71	3.60	3.17	– –
62005	TI	10	SSOP	High-efficiency Step-down (1.8V) DC/DC Converter	TPS62005DGS..	SMD 501-2235	6.55	5.25	4.01	3.52	– –
62007	TI	10	SSOP	High-efficiency Step-down (3.3V) DC/DC Converter	TPS62007DGSG4	SMD 121-4437	6.16	4.71	3.60	3.17	– –
62007	TI	10	SSOP	High-efficiency Step-down (3.3V) DC/DC Converter	TPS62007DGS	SMD 501-2259	6.16	4.71	3.60	3.17	– –
62020	TI	10	HTSSOP	Buck Converter, 600MA ADJ	TPS62020DGQ	SMD 845-7905	7.04	5.39	4.11	3.62	– –
62040	TI	10	HTSSOP	Buck Converter , 1.2A ADJ	TPS62040DGQ	SMD 845-7913	8.36	6.40	4.88	4.30	– –
62042	TI	10	HTSSOP	Buck Converter , 1.2A 1.5V	TPS62042DGQ	SMD 845-7921	8.36	6.40	4.88	4.30	– –
62044	TI	10	HTSSOP	Buck Converter , 1.2A 1.8V	TPS62044DGQ	SMD 845-7930	8.36	6.40	4.88	4.30	– –
62046	TI	10	HTSSOP	Buck Converter , 1.2A 3.3V	TPS62046DGQ	SMD 845-7948	8.36	6.40	4.88	4.30	– –
62050	TI	10	VSSOP	Buck Converter , 0.8A ADJ	TPS62050DGS	SMD 845-7956	8.14	6.23	4.76	4.18	– –
62050	TI	10	MSOP	800mA Synchronous Step-Down Converter	TPS62050DGSG4	SMD 932-4291	8.14	6.23	4.76	4.18	– –
62051	TI	10	VSSOP	Buck Converter , 0.8A ADJ	TPS62051DGS	SMD 845-7964	8.14	6.23	4.76	4.18	– –
62054	TI	10	VSSOP	Buck Converter , 0.8A 1.8V	TPS62054DGS	SMD 845-7972	8.14	6.23	4.76	4.18	– –
62056	TI	10	VSSOP	Buck Converter , 0.8A 3.3V	TPS62056DGS	SMD 845-7999	8.14	6.23	4.76	4.18	– –
62056	TI	10	MSOP	800mA Synchronous Step-Down Converter	TPS62056DGSG4	SMD 932-4305	8.14	6.23	4.76	4.18	– –
62100	TI	8	SOIC	Multi-mode, low-power buck converter	TPS62100D	SMD 121-4438	8.36	6.40	4.88	4.30	– –
62100	TI	8	SOIC	Multi-mode, low-power buck converter	TPS62100D.	SMD 501-2260	8.08	6.19	4.72	4.16	– –
62102	TI	8	SOIC	MULTIMODE Buck Converter	TPS62102D	SMD 845-8006	8.36	6.40	4.88	4.30	– –
62103	TI	8	SOIC	MULTIMODE Buck Converter	TPS62103D	SMD 845-8014	8.36	6.40	4.88	4.30	– –
62200	TI	5	SOT-23	300mA Buck Converter , High Efficiency	TPS62200DBVT	SMD 110-3055	3.91	2.99	2.20	1.90	– –
62200	TI	5	SOT-23	300mA Buck Converter , High Efficiency	TPS62200DBVTa.	SMD 442-0007	5.89	4.51	3.44	3.03	– –
62200	TI	5	SOT-23	High-Efficiency Step-Down DC-DC Converter	TPS62200DBVTG4	SMD 932-4313	3.91	2.99	2.20	1.90	– –
62202	TI	5	SOT-23	Hi-efficiency Step-down (1.8V) DC/DC Converter	TPS62202DBVTG4	SMD 120-2016	3.91	2.99	2.20	1.90	– –
62203	TI	5	SOP	Buck Converter, 0.3A 3.3V	TPS62203DBVT	SMD 845-8049	3.91	2.99	2.20	1.90	– –
62205	TI	5	SOP	Buck Converter, 0.3A 2.5V	TPS62205DBVT	SMD 845-8057	3.91	2.99	2.20	1.90	– –
62300	TI	10	SON	Adjustable, 500-mA, 3-MHz Step-Down Converter in QFN or Chip-Scale	TPS62300DRCR	SMD 959-4094	8.14	6.23	4.76	4.18	– –
62301	TI	10	SON	1.5V, 500-mA, 3-MHz Step-Down Converter	TPS62301DRCR	SMD 959-4108	8.14	6.23	4.76	4.18	– –
62302	TI	10	SON	1.6V, 500-mA, 3-MHz Step-Down Converter	TPS62302DRCR	SMD 959-4116	8.14	6.23	4.76	4.18	– –
62303	TI	10	SON	1.8V, 500-mA, 3-MHz Step-Down Converter	TPS62303DRCR	SMD 959-4124	8.14	6.23	4.76	4.18	– –
62305	TI	10	SON	1.875V, 500-mA, 3-MHz Step-Down Converter	TPS62305DRCR	SMD 959-4132	8.14	6.23	4.76	4.18	– –
64200	TI	6	SOP	Buck Converter, 3A ADJ	TPS64200DBVT	SMD 845-8065	2.69	2.06	1.51	1.31	– –
64200	TI	6	SOT-23	Step-Dowm Controller	TPS64200DBVTG4	SMD 932-4321	2.69	2.06	1.51	1.31	– –
64201	TI	6	SOP	Buck Converter, 3A ADJ	TPS64201DBVT	SMD 845-8073	2.69	2.06	1.51	1.31	– –
64202	TI	6	SOP	Buck Converter, 3A ADJ	TPS64202DBVT	SMD 845-8081	2.69	2.06	1.51	1.31	– –
64203	TI	6	SOP	Buck Converter, 3A ADJ	TPS64203DBVT	SMD 845-8090	2.69	2.06	1.51	1.31	– –
71501	TI	5	SOT-323	Regulator, Linear LDO High Input voltage Micropower	TPS71501DCKR	SMD 110-3056	1.99	1.59	1.25	0.87	– –
71501	TI	5	SOT-323	Regulator, Linear LDO High Input voltage Micropower	TPS71501DCKR..	SMD 442-0081	1.78	1.42	1.12	0.78	– –
73826	MCHIP	6	SOT-23	Lithium-Ion Battery Charge Controller - one cell application, 4.2V.	MCP73826-4.2VCHTR	SMD 108-4313	2.31	1.38	1.38	– –	– –
73861	MCHIP	16	QFN	Advanced Single Cell Li-Ion/Li Polymer Charge Management Controller with Temperature Monitor.	MCP73861-I/MLG	SMD 941-3936	4.86	2.97	2.97	– –	– –
75003	TI	20	QFN	Triple-Supply Power Management IC for Powering FPGAs and DSPs	TPS75003RHLT	SMD 996-9187	8.36	6.40	4.88	4.30	– –
75240	TI	8	SOIC	Dual Universal Serial Bus Port Transient Suppressor	SN75240PWR	SMD 110-0941	1.94	1.54	1.21	0.84	– –
75240	TI	8	DIL	Dual Universal Serial Bus Port Transient Suppressor	SN75240P	110-2932	1.94	1.54	1.21	0.84	– –
75240	TI	8	TSSOP	USB PORT SUPPRESSOR,Dual	SN75240PWG4	SMD 120-7275	1.94	1.54	1.21	0.84	– –
75240	TI	8	SOIC	Dual Universal Serial Bus Port Transient Suppressor	SN75240PWR.	SMD 305-4469	1.77	1.41	1.11	0.77	– –
79733	TI	5	SOT-323	Linear Regulator, LDO Ultra Low Power	TPS79733DCKTG4	SMD 117-8438	1.99	1.59	1.25	0.87	– –
96000	NSC	24	TSSOP	Hardware Monitor with Integrated Fan Control	LM96000CIMT	SMD 818-1616	9.04	6.57	4.93	– –	– –

NEW

422845

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
9174	SLX	10	MSOP	High Performance Step-Down DC-DC Converter With Dynamically Adjustable Output Voltage	SI9174DH-T1-E3	SMD 110-2519	4.70	4.42	4.02	3.80	– –
9175	SLX	10	MSOP	High Performance Step-Down DC-DC Converter With Adjustable Output Voltage	SI9175DH-T1-E3	SMD 110-2520	4.70	4.42	4.02	3.80	– –
9176	SLX	10	MSOP	High Performance Step-Down DC-DC Converter With Adjustable Output Voltage	SI9176DH-T1-E3	SMD 110-2521	4.70	4.42	4.02	3.80	– –

PFC & PWM Controllers

NEW

FAIRCHILD SEMICONDUCTOR

422901

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
4800	16	DIL	PFC & PWM Controller Combo (250kHz PWM).	ML4800IP	110-2158	5.86	4.65	4.09
4803	8	DIL	PFC & PWM Controller Combo (67kHz PFC/67kHz PWM).	FAN4803CP1	110-2134	4.23	3.39	2.98
4803	8	DIL	PFC & PWM Controller Combo (67kHz PFC/134kHz PWM).	FAN4803CP2	110-2135	4.23	3.39	2.98
4810	16	DIL	PFC Controller	FAN4810N	110-2136	3.58	2.86	2.28
4821	18	DIL	PFC Controller	ML4821CP	110-2159	8.07	6.44	5.67
4822	14	DIL	ZVS Average Current PFC Controller	FAN4822IN	110-2137	7.23	5.76	5.07
4824	16	DIL	PFC & PWM Controller Combo (PWM frequency = 1 × PFC)	ML4824CP1	110-2160	6.05	4.82	4.23

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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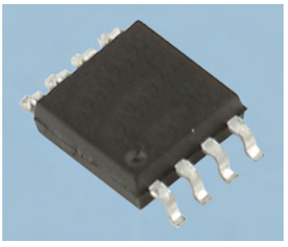
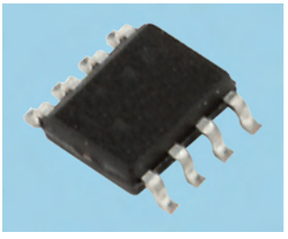
	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
4824	16	DIL	PFC & PWM Controller Combo (PWM frequency = 2 × PFC)	ML4824CP2	110-2161	7.52	5.99	5.25
4824	16	DIL	PFC & PWM Controller Combo (PWM frequency = 1 × PFC)	ML4824IP1	110-2162	6.44	5.14	4.51
4826	20	DIL	PFC & Dual Output PWM Combo (PWM frequency = 2 × PFC)	ML4826CP2	110-2164	9.99	7.97	7.02
4841	16	DIL	Variable Feedforward PFC/PWM Controller Combo	ML4841CP	110-2165	8.69	6.93	6.09
5026	28	TSSOP	Dual DDR/Dual-Output PWM Controller.	FAN5026MTC	SMD 110-2139	4.26	3.39	2.70

SiP 280x Low Power Consumption Current Mode Controllers

VISHAY

NEW





The SiP280x family is a range of high-speed, low power consumption, BiCMOS Current Mode Controllers. Each IC contains all of the control and drive functions required for off-line and dc-to-dc current mode switching power supplies. The range is designed to allow full designs using the minimum number of external parts.

Features:
- Pin-for-Pin compatible with UCC280x Controllers
- 100µA Typical Start-Up Current
- 500µA Typical Operating Current
- Internal Soft Start at Power-On and After Fault

Applications:
- DC/DC Converter Modules
- Offline (AC/DC) Power Supplies
- Universal Input Power Supplies
- Buck-Boost Converters

386198

	Pins/Package	Reference Voltage	Turn-On Threshold	Turn-Off Threshold	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
2800	8/TSSOP	5	7.2	6.9	SIP2800DQ-T1-E3	SMD 878-7530	2.75	2.59	2.35
2800	8/SOIC	5	7.2	6.9	SIP2800DY-T1-E3	SMD 878-7549	2.75	2.59	2.35
2801	8/TSSOP	5	9.4	7.4	SIP2801DQ-T1-E3	SMD 878-7557	2.75	2.59	2.35
2801	8/SOIC	5	9.4	7.4	SIP2801DY-T1-E3	SMD 878-7565	2.75	2.59	2.35
2802	8/TSSOP	5	12.5	8.3	SIP2802DQ-T1-E3	SMD 878-7573	2.75	2.59	2.35
2802	8/SOIC	5	12.5	8.3	SIP2802DY-T1-E3	SMD 878-7581	2.75	2.59	2.35
2803	8/TSSOP	4	4.1	3.6	SIP2803DQ-T1-E3	SMD 878-7590	2.75	2.59	2.35
2803	8/SOIC	4	4.1	3.6	SIP2803DY-T1-E3	SMD 878-7603	2.75	2.59	2.35
2804	8/TSSOP	5	12.5	8.3	SIP2804DQ-T1-E3	SMD 878-7611	2.75	2.59	2.35
2804	8/SOIC	5	12.5	8.3	SIP2804DY-T1-E3	SMD 878-7620	2.75	2.59	2.35
2805	8/TSSOP	4	4.1	3.6	SIP2805DQ-T1-E3	SMD 878-7638	2.75	2.59	2.35
2805	8/SOIC	4	4.1	3.6	SIP2805DY-T1-E3	SMD 878-7646	2.75	2.59	2.35

TOPSwitch-II Off-line PWM Switches

POWER INTEGRATIONS, INC.

3-Terminal integrated off-line PWM switches with high voltage power MOSFET, high voltage start-up bias circuit, bandgap reference, bias shunt regulator/error amplifier for loop compensation and fault protection circuit.

228406

Mftrs. List No.	Single Voltage I/P 100/115/230 V_{AC} ±15% Pmax(W)	Wide range I/P 85 to 265 V_{AC} Pmax(W)	Pin Package	Order Code	Price Each 1+	10+	100+
TOP221P	9	6	8/DIL	301-4216	3.97	3.51	3.12
TOP221PN	9	6	8/DIL	992-1117	3.97	3.51	3.12
TOP221Y	12	7	3/TO-220	301-4228	4.81	4.22	3.67
TOP221YN	12	7	3/TO-220	992-1125	4.81	4.22	3.67
TOP222P	15	10	8/DIL	301-4540	4.81	4.25	3.67
TOP222PN	15	10	8/DIL	992-1133	4.81	4.25	3.67
TOP222Y	25	15	3/TO-220	301-4551	5.54	4.85	4.28
TOP222YN	25	15	3/TO-220	992-1141	5.54	4.85	4.28
TOP223P	25	15	8/DIL	301-4563	5.54	4.85	4.28
TOP223PN	25	15	8/DIL	992-1150	5.54	4.85	4.28
TOP223YN	50	30	3/TO-220	992-1168	6.26	5.53	4.84
TOP224P	30	20	8/DIL	301-4587	6.26	5.53	4.96
TOP224PN	30	20	8/DIL	992-1176	6.26	5.53	4.96
TOP224Y	75	45	3/TO-220	301-4599	7.05	6.18	5.44
TOP224YN	75	45	3/TO-220	992-1184	7.05	6.18	5.44
TOP225Y	100	60	3/TO-220	301-4605	7.75	6.81	6.00
TOP225YN	100	60	3/TO-220	992-1192	7.75	6.81	6.00
TOP226Y	125	75	3/TO-220	301-4617	9.36	8.07	6.56
TOP226YN	125	75	3/TO-220	992-1206	9.36	8.07	6.56
TOP227YN	150	90	3/TO-220	992-1214	9.05	8.04	7.16

TOPSwitch-GX Integrated Off-line Switcher









TOPSwitch-GX family uses the TOPSwitch-II topology but extends on the power range while integrating many new functions designed to reduce system cost, improve design flexibility, performance and energy efficiency.

The devices feature: soft-start, 132kHz switching frequency, frequency jittering for lower EMI, wider DCmax hysteretic thermal shutdown and larger creepage packages.

229987

Pins/ Package	Output Power (Open Frame) 230V a.c. ±15%	Output Power (Open Frame) 85-265V a.c.	Drain Voltage	Drain Peak Current (max @ 25°C)	$RDS_{(ON)}$ @ 25°C	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
8/DIL	15W	10W	-0.3 to 700V	0.72A	15.6Ω @ ID=50mA	TOP242PN	992-1222	3.78	2.82	2.46
6/TO-220	22W	14W	-0.3 to 700V	0.72A	15.6Ω @ ID=50mA	TOP242Y	362-6167	4.44	3.33	2.93
6/TO-220	22W	14W	-0.3 to 700V	0.72A	15.6Ω @ ID=50mA	TOP242YN	992-1230	4.44	3.33	2.93
8/SOIC	15W	10W	-0.3 to 700V	0.72A	15.6Ω @ ID=50mA	TOP242G	SMD 440-9048	6.35	4.85	4.51
8/SOIC	15W	10W	-0.3 to 700V	0.72A	15.6Ω @ ID=50mA	TOP242GN	SMD 992-1435	6.35	4.85	4.17
6/TO-263-7C	22W	14W	-0.3 to 700V	0.72A	15.6Ω @ ID=50mA	TOP242R-TL	440-9050	6.51	5.44	5.16
6/TO-220	45W	30W	-0.3 to 700V	1.44A	7.8Ω @ ID=100mA	TOP243Y	362-6180	5.10	3.81	3.35
6/TO-220	45W	30W	-0.3 to 700V	1.44A	7.8Ω @ ID=100mA	TOP243YN	992-1249	5.10	3.81	3.35
8/SOIC	25W	15W	-0.3 to 700V	1.44A	7.80Ω @ ID=50mA	TOP243G	SMD 440-9061	7.78	5.53	5.16
6/TO-263-7C	45W	23W	-0.3 to 700V	0.72A	15.6Ω @ ID=50mA	TOP243R-TL	440-9073	9.11	6.22	5.81
8/DIL	30W	20W	-0.3 to 700V	2.16A	5.2Ω @ ID=150mA	TOP244P	362-6192	5.10	3.81	3.44
8/DIL	30W	20W	-0.3 to 700V	2.16A	5.2Ω @ ID=150mA	TOP244PN	992-1257	5.10	3.81	3.44
6/TO-220	65W	45W	-0.3 to 700V	2.16A	5.2Ω @ ID=150mA	TOP244Y	362-6209	5.73	4.32	3.77
6/TO-220	65W	45W	-0.3 to 700V	2.16A	5.2Ω @ ID=150mA	TOP244YN	992-1265	5.73	4.32	3.77

● Compliant ▲ Non-compliant ++ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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8/SOIC	30W	20W	-0.3 to 700V	2.16A	5.20Ω @ ID=50mA
8/DIL	30W	22W	-0.3 to 700V	2.88A	3.90Ω @ ID=50mA
6/TO-220	85W	60W	-0.3 to 700V	2.88A	3.9Ω @ ID=200mA
6/TO-220	85W	60W	-0.3 to 700V	2.88A	3.9Ω @ ID=200mA
8/DIL	34W	26W	-0.3 to 700V	4.32A	2.60Ω @ ID=300mA
6/TO-220	125W	90W	-0.3 to 700V	4.32A	2.6Ω @ ID=300mA
6/TO-220	125W	90W	-0.3 to 700V	4.32A	2.6Ω @ ID=300mA
6/TO-263-7C	64W	38W	-0.3 to 700V	4.32A	2.60Ω @ ID=50mA
6/TO-220	165W	125W	-0.3 to 700V	5.76A	1.95Ω @ ID=400mA
6/TO-220	165W	125W	-0.3 to 700V	5.76A	1.95Ω @ ID=400mA
6/TO-263-7C	70W	43W	-0.3 to 700V	5.76A	5.76Ω @ ID=50mA
6/TO-220	205W	155W	-0.3 to 700V	7.2A	1.56Ω @ ID=500mA
6/TO-220	250W	180W	-0.3 to 700V	8.64A	1.3Ω @ ID=600mA
6/TO-263-7C	82W	32W	-0.3 to 700V	10.08A	1.10Ω @ ID=50mA
6/TO-220	290W	210W	-0.3 to 700V	10.08A	1.10Ω @ ID=50mA
8/DIL	9W	6W	-0.3 to 700V	0.4A	28Ω @ ID=25mA
8/SOIC	9W	6W	-0.3 to 700V	0.4A	28Ω @ ID=25mA
8/DIL	15W	9.5W	-0.3 to 700V	0.56A	14Ω @ ID=35mA
8/DIL	15W	9.5W	-0.3 to 700V	0.56A	14Ω @ ID=35mA
8/SOIC	15W	9.5W	-0.3 to 700V	0.56A	14Ω @ ID=35mA
8/SOIC	15W	9.5W	-0.3 to 700V	0.56A	14Ω @ ID=35mA
8/DIL	19W	12W	-0.3 to 700V	0.72A	7.8Ω @ ID=45mA
8/DIL	19W	12W	-0.3 to 700V	0.72A	7.8Ω @ ID=45mA
8/SOIC	19W	12W	-0.3 to 700V	0.72A	7.8Ω @ ID=45mA
8/SOIC	19W	12W	-0.3 to 700V	0.72A	7.8Ω @ ID=45mA
8/DIL	23W	15W	-0.3 to 700V	0.88A	5.2Ω @ ID=55mA
8/SOIC	23W	15W	-0.3 to 700V	0.88A	5.2Ω @ ID=55mA
8/SOIC	23W	15W	-0.3 to 700V	0.88A	5.2Ω @ ID=55mA

TOP244G	SMD	440-9085 ▲	7.26	6.05	5.77
TOP245PN	SMD	992-1451 ●	8.69	6.93	5.96
TOP245Y		362-6210 ▲	6.36	4.77	4.19
TOP245YN		992-1273 ●	6.36	4.77	4.19
TOP246P		757-0350 ▲	6.09	4.59	3.95
TOP246Y		362-6222 ▲	6.96	5.22	4.56
TOP246YN		992-1281 ●	6.96	5.22	4.88
TOP246R-TL		440-9115 ▲	12.47	8.33	7.77
TOP247Y		362-6234 ▲	7.56	5.70	4.98
TOP247YN		992-1290 ●	7.56	5.70	4.98
TOP247R-TL		440-9127 ▲	13.74	8.95	8.37
TOP248YN		992-1303 ●	8.22	6.18	5.39
TOP249YN		992-1311 ●	8.79	6.57	5.77
TOP250R-TL		440-9152 ▲	17.41	11.59	10.18
TOP250YN		992-1443 ●	16.96	11.46	9.83
TNY264PN		992-1320 ●	2.43	1.80	1.58
TNY264GN	SMD	992-1338 ●	3.78	2.82	2.46
TNY266P		362-6283 ▲	2.70	2.04	1.77
TNY266PN		992-1346 ●	2.70	2.04	1.77
TNY266G	SMD	362-6295 ▲	2.82	2.13	1.86
TNY266GN	SMD	992-1354 ●	2.82	2.13	1.86
TNY267P		362-6301 ▲	3.06	2.28	2.00
TNY267PN		992-1362 ●	3.06	2.28	2.00
TNY267G	SMD	362-6313 ▲	3.18	2.40	2.09
TNY267GN	SMD	992-1370 ●	3.18	2.40	2.09
TNY268PN		992-1389 ●	3.33	2.52	2.19
TNY268G	SMD	362-6337 ▲	3.54	2.67	2.33
TNY268GN	SMD	992-1397 ●	3.54	2.67	2.33

Switch Mode Power Supplies

NEW

FAIRCHILD SEMICONDUCTOR

422893

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
0380	4	TO-220	Power Switch for Offline SMPS	KA5M0380RTU	110-2155 ●	2.77	1.86	1.59
0565	5	TO-220	Integrated PWM & Sense FET for Offline SMPS	FSCM0565RCYDTU	110-2148 ●	2.44	2.02	1.59
0565	5	TO-220	Integrated PWM & Sense FET for Quasi-Resonant Offline SMPS	FSCQ0565RTYDTU	110-2152 ●	2.44	1.86	1.59
0565	6	I2-PAK	Integrated PWM & Sense FET for High Performance Offline SMPS	FSDM0565RBIWDTU	110-2154 ●	2.67	2.02	1.73
0565	5	D2-PAK	Integrated PWM & Sense FET for Offline SMPS	FSCM0565RD	SMD 110-2149 ●	3.68	3.03	2.38
0765	5	TO-220	Integrated PWM & Sense FET for Offline SMPS	FSCM0765RCYDTU	110-2150 ●	2.90	2.38	1.86
0765	5	TO-220	Integrated PWM & Sense FET for Quasi-Resonant Offline SMPS	FSCQ0765RTYDTU	110-2153 ●	3.12	2.34	2.02

DC/DC Step Down Modules

NEW

LINEAR TECHNOLOGY

422880

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
4600	104	LGA	20V High Efficiency, Step-Down DC/DC µModule	LTM4600EV#PBF	SMD 109-9581 ●	65.30	54.42	43.55
4600	104	LGA	20V High Efficiency, Step-Down DC/DC µModule	LTM4600IV#PBF	SMD 109-9580 ●	74.67	62.24	49.80
4600	104	LGA	28V High Efficiency, Step-Down DC/DC µModule	LTM4600HVEV#PBF	SMD 109-9582 ●	76.95	64.12	51.30
4600	104	LGA	28V High Efficiency, Step-Down DC/DC µModule	LTM4600HVIV#PBF	SMD 109-9583 ●	88.02	73.37	58.69

BQ241xx Evaluation Module

TEXAS INSTRUMENTS

NEW

The bq241xx (bqSWITCHER) Evaluation modules are designed to provide a way of evaluating the performance of charge management solutions for portable applications using the bq241xx product family. The bqSWITCHER series are highly integrated Li-Ion and Li-Pol switch mode charge management devices, the specific module can be chosen to evaluate the one-, two- or three-cell devices.

418742

	Order Code	Price Each
bq24100 bqSWITCHER Evaluation Module	996-9012	114.19
bq24103 bqSWITCHER Evaluation Module	996-9020	114.19
bq24105 bqSWITCHER Evaluation Module	996-9039	114.19
bq24113 bqSWITCHER Evaluation Module	996-9047	114.19
bq24115 bqSWITCHER Evaluation Module	996-9055	114.19



Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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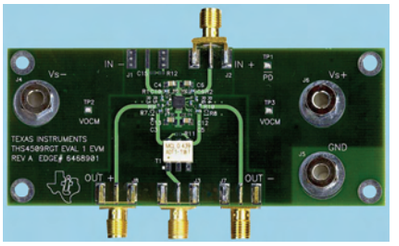
THS4509 Evaluation Module

TEXAS INSTRUMENTS



The THS4509 Evaluation Module is designed to demonstrate the functionality and versatility of the device. The EVM is ready for power, signal source and test instruments. It is configured for a gain of 10dB and 50Ω input and output termination for connection to test equipment.

NEW

Features:

- 1:1 Transformer on output
- Power Supply 3V (±1.5V) to 5V (±2.5V)
- Decoupling capacitors
- Input and output connectors via SMA connectors
- Power connectors via banana jack

418894

	Order Code	Price Each
THS4509 Evaluation Module	**996-9110**	114.19

THS61020 Evaluation Module

TEXAS INSTRUMENTS

NEW

This Evaluation Tool is for the TPS61020 inductive step-up converter. It can supply voltages up to 5.5V from a 0.9V to 6.5V input featuring an LDO down-mode regualting the output voltage even if the input voltage exceeds the output voltage level. The TPS61020EVM-025 uses a TPS61020 adjustable output step-up converter and external components to provide a 3.3V output voltage. The feedback components can be replaced to generate other voltages. This EVM can also be used to evaluate other options in the TPS6102x family.

418919

	Order Code	Price Each
TPS61020 Evaluation Module	**996-9179**	114.19

TPS2375 Evaluation Module

TEXAS INSTRUMENTS

The TPS2375EVM Evaluation Module for the TPS2375 is designed to look like the front end of any Power Over Ethernet (PoE) Powered Device Module. An RJ-45 connector connects directly to an ethernet cable with a Power Sourcing Equipment (PSE) driving it on the other end.

NEW

Features:

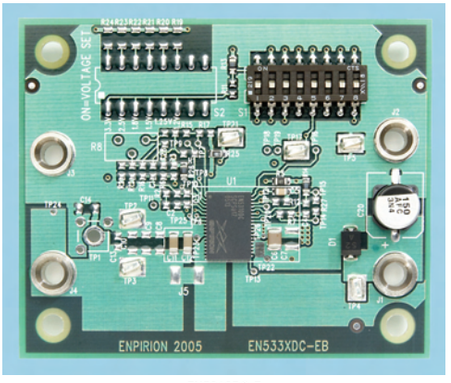
- Input and Output Capacitors
- Gigabit Ethernet Application
- Dual DUT Footprint
- Power-Good Indicator LED
- Connection for Downstream DC/DC Converter

418912

	Order Code	Price Each
TPS2375 Evaluation Module	**996-9152**	114.19

Synchronous Buck Converters

ENPIRION



EN5310DC-E

A range of 1A, 3A and 6A Voltage Mode Synchronous Buck PWM DC-DC Converters and Evaluation Boards. These products are designed to meet the precise voltage and fast-transient requirements of high-performance, low-power processor, DSP, FPGA, memory boards and system level applications.

NEW

Features:

- Hltra-High Switching Frequency
- Programmable soft-start time
- Programmable over-current protection
- Thermal shutdown, short circuit, over-voltage and under-voltage protection
- 5MHz Operating Frequency
- More than 90% efficient
- Input volatge range: 2.375V to 5.5V
- Adjustable Output voltage range: 0.8V to 3.3V

418333

Pins	Package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
36	DFN	1A Voltage Mode Synchronous Buck PWM DC-DC Converter	EN5310DC	SMD **108-1908**	23.08	16.80	14.32
36	DFN	3A Voltage Mode Synchronous Buck PWM DC-DC Converter	EN5330DC	SMD **108-1909**	25.68	19.27	16.46
48	DFN	6A Voltage Mode Synchronous Buck PWM DC-DC Converter	EN5360DC	SMD **108-1910**	43.75	32.81	28.04
–	–	EN5310DC-E Evaluation Board	EN5310DC-E	**108-1911**	316.20	– –	– –
–	–	EN5330DC-E Evaluation Board	EN5330DC-E	**108-1912**	316.20	– –	– –
–	–	EN5360DC-E Evaluation Board	EN5360DC-E	**108-1914**	316.20	– –	– –

Simple Switcher Voltage Regulators

National Semiconductor

LM2594/LM2597 families :- The complete DC to DC converter circuit size is reduced by approximately 50% compared to the original LM257X Series.

LM2597 family also offers :- shutdown, soft-start and error flag. (BUCK=Step-Down, FLYBACK/BOOST=Step-Up)

414421

	Pins	Pkg	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Application	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
2574	8	DIL	4 to 60	1.23 to 57	0.5	BUCK	LM2574HVN-ADJ	**948-9932**	9.47	6.89	5.16
2574	8	DIL	4 to 60	5	0.5	BUCK	LM2574HVN-5.0	**948-9916**	9.47	6.89	5.16
2574	14	SOIC	4 to 40	1.23 to 37	0.5	BUCK	LM2574M-ADJ	SMD **948-9924**	4.83	3.42	2.49
2574	14	SOIC	8 to 40	5	0.5	BUCK	LM2574M-5.0	SMD **948-9908**	4.83	3.42	2.49
2574	8	DIL	14 to 40	12	0.5	BUCK	LM2574N12.	**271-135**‡	4.83	3.42	2.49
2574	8	DIL	14 to 40	12	0.5	BUCK	LM2574N-12	**948-6046**	4.83	3.42	2.49
2574	8	DIL	5 to 40	3.3	0.5	BUCK	LM2574N33.	**596-826**‡	4.83	3.42	2.49
2574	8	DIL	5 to 40	3.3	0.5	BUCK	LM2574N-3.3	**949-3530**	4.83	3.42	2.49
2574	8	DIL	7 to 40	5	0.5	BUCK	LM2574N50.	**270-830**	4.83	3.42	2.49
2574	8	DIL	7 to 40	5	0.5	BUCK	LM2574N-5.0	**121-4540**	4.83	3.42	2.49
2574	8	DIL	4.5 to 40	3.3	0.5	BUCK	LM2574N-ADJ	**948-5996**	4.83	3.42	2.49
2575	5	TO-220	4 to 60	1.23 to 57	1	BUCK	LM2575HVT-ADJ	**948-9843**	10.17	7.39	5.54
2575	5	TO-220	4 to 60	12	1	BUCK	LM2575HVT-12	**948-9894**	10.17	7.39	5.54
2575	5	TO-220	4 to 60	15	1	BUCK	LM2575HVT-15.	**412-5654**‡	10.17	7.39	5.54
2575	5	TO-220	4 to 60	15	1	BUCK	LM2575HVT-15	**948-9886**	10.17	7.39	5.54
2575	5	TO-220	4 to 60	5	1	BUCK	LM2575HVT-5.0	**948-9851**	10.17	7.39	5.54
2575	24	SOIC	7 to 40	5	1	BUCK	LM2575M50.	SMD **594-623**‡	4.91	3.66	2.74
2575	24	SOIC	7 to 40	5	1	BUCK	LM2575M-5.0	SMD **949-3441**	4.91	3.66	2.74
2575	24	SOIC	4.5 to 40	1.23 to 37	0.5	BUCK	LM2575M-ADJ	SMD **949-3450**	4.91	3.66	2.74
2575	16	DIL	7 to 40	5	1	BUCK	LM2575N-5.0	**948-6054**	6.73	4.89	3.66
2575	5	TO-263	4 to 40	1.23 to 37	1	BUCK	LM2575S-ADJ.	SMD **412-5642**‡	5.65	4.11	3.08
2575	5	TO-263	4 to 40	1.23 to 37	1	BUCK	LM2575S-ADJ	SMD **948-9878**	5.65	4.11	3.08
2575	5	TO-263	4 to 40	3.3	1	BUCK	LM2575S-3.3	SMD **822-1944**	5.65	4.11	3.08
2575	5	TO-263	4 to 40	5	1	BUCK	LM2575S-5.0	SMD **948-9860**	5.65	4.11	3.08

● Compliant
● Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Pins	Pkg	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Application
2575	5	TO-220	14 to 40	12	1	BUCK
2575	5	TO-220	17 to 40	15	1	BUCK
2575	5	TO-220	5 to 40	3.3	1	BUCK
2575	5	TO-220	5 to 40	3.3	1	BUCK
2575	5	TO-220	7 to 40	5	1	BUCK
2575	5	TO-220	4.5 to 40	1.23 to 37	1	BUCK
2576	5	TO-220	14 to 40	12	3	BUCK
2576	5	TO-220	17 to 40	15	3	BUCK
2576	5	TO-220	6 to 40	3.3	3	BUCK
2576	5	TO-220	6 to 40	3.3	3	BUCK
2576	5	TO-220	7 to 40	5	3	BUCK
2576	5	TO-220	4.5 to 40	1.23 to 37	3	BUCK
2576	5	TO-263	4.5 to 60	1.23 to 57	3	BUCK
2577	5	TO-220	3.5 to 40	12	3	FLYBACK, BOOST
2577	5	TO-220	3.5 to 40	12	3	FLYBACK, BOOST
2577	5	TO-220	3.5 to 40	15	3	FLYBACK, BOOST
2577	5	TO-220	3.5 to 40	15	3	FLYBACK, BOOST
2577	5	TO-220	3.5 to 40	5 to 60	3	FLYBACK, BOOST
2585	5	TO-220	3.5 to 40	5	3	FLYBACK, BOOST
2585	5	TO-220	3.5 to 40	5	3	FLYBACK, BOOST
2585	5	TO-220	3.5 to 40	5 to 60	3	FLYBACK, BOOST
2585	5	TO-220	3.5 to 40	5 to 60	3	FLYBACK, BOOST
2587	5	TO-263	4 to 40	5	5	FLYBACK, BOOST
2587	5	TO-263	4 to 40	5	5	FLYBACK, BOOST
2587	5	TO-263	4 to 40	3.3 to 60	5	FLYBACK, BOOST
2587	5	TO-220	4 to 40	12	5	FLYBACK, BOOST
2587	5	TO-220	4 to 40	5	5	FLYBACK, BOOST
2587	5	TO-220	4 to 40	5	5	FLYBACK, BOOST
2587	5	TO-220	4 to 40	3.3 to 60	5	FLYBACK, BOOST
2588	7	TO-220	4 to 40	12	5	FLYBACK, BOOST
2588	7	TO-220	4 to 40	5	5	FLYBACK, BOOST
2588	7	TO-220	4 to 40	5	5	FLYBACK, BOOST
2588	7	TO-220	4 to 40	3.3 to 60	5	FLYBACK, BOOST
2591	5	TO-263	4.5 to 60	3.3	1	BUCK
2592	5	TO-263	4.5 to 60	1.2 to 57	2	FLYBACK, BOOST
2594	8	SOIC	4.75 to 40	3.3	0.5	BUCK
2594	8	SOIC	4.75 to 40	3.3	0.5	BUCK
2594	8	SOIC	7 to 40	5	0.5	BUCK
2594	8	SOIC	4.5 to 40	1.23 to 37	0.5	BUCK
2594	8	SOIC	4.5 to 40	1.23 to 37	0.5	BUCK
2594	8	SOIC	4.5 to 60	1.2 to 57	0.5	BUCK
2594	8	DIL	4.5 to 60	1.2 to 57	0.5	BUCK
2594	8	DIL	15 to 40	12	0.5	BUCK
2594	8	DIL	15 to 40	12	0.5	BUCK
2594	8	DIL	4.5 to 40	3.3	0.5	BUCK
2594	8	DIL	4.5 to 40	3.3	0.5	BUCK
2594	8	DIL	7 to 40	5	0.5	BUCK
2594	8	DIL	4.5 to 40	1.23 to 37	0.5	BUCK
2595	5	TO-263	4.75 to 40	3.3	1	BUCK
2595	5	TO-263	4.75 to 40	3.3	1	BUCK
2595	5	TO-263	7 to 40	5	1	BUCK
2595	5	TO-263	7 to 40	5	1	BUCK
2595	5	TO-263	15 to 40	12	1	BUCK
2595	5	TO-263	15 to 40	12	1	BUCK
2595	5	TO-263	4.5 to 40	1.23 to 37	1	BUCK
2595	5	TO-263	4.5 to 40	1.23 to 37	1	BUCK
2595	5	TO-220	4.75 to 40	3.3	1	BUCK
2595	5	TO-220	4.75 to 40	3.3	1	BUCK
2595	5	TO-220	14 to 40	12	1	BUCK
2595	5	TO-220	14 to 40	12	1	BUCK
2595	5	TO-220	7 to 40	5	1	BUCK
2595	5	TO-220	7 to 40	5	1	BUCK
2595	5	TO-220	4.5 to 40	1.23 to 37	1	BUCK
2596	5	TO-263	4.75 to 40	3.3	3	BUCK
2596	5	TO-263	4.75 to 40	3.3	3	BUCK
2596	5	TO-263	7 to 40	5	3	BUCK
2596	5	TO-263	7 to 40	5	3	BUCK
2596	5	TO-263	15 to 40	12	3	BUCK
2596	5	TO-263	15 to 40	1.23 to 37	3	BUCK
2596	5	TO-263	15 to 40	1.23 to 37	3	BUCK
2596	5	TO-220	4.75 to 40	3.3	3	BUCK
2596	5	TO-220	4.75 to 40	3.3	3	BUCK
2596	5	TO-220	7 to 40	5	3	BUCK
2596	5	TO-220	15 to 40	12	3	BUCK
2596	5	TO-220	15 to 40	12	3	BUCK
2596	5	TO-220	4.5 to 40	1.23 to 37	3	BUCK
2597	8	SOIC	4.5 to 40	3.3	0.5	BUCK
2597	8	SOIC	7 to 40	5	0.5	BUCK
2597	8	SOIC	4.5 to 40	1.23 to 37	0.5	BUCK
2597	8	DIL	15 to 40	12	0.5	BUCK
2597	8	DIL	15 to 40	12	0.5	BUCK
2597	8	DIL	4.5 to 40	3.3	0.5	BUCK
2597	8	DIL	7 to 40	5	0.5	BUCK
2597	8	DIL	7 to 40	5	0.5	BUCK
2597	8	DIL	4.5 to 40	1.23 to 37	0.5	BUCK
2597	8	DIL	4.5 to 40	1.23 to 37	0.5	BUCK
2599	7	TO-220	14 to 40	12	3	BUCK
2599	7	TO-220	7 to 40	5	3	BUCK
2599	7	TO-220	7 to 40	5	3	BUCK
2599	7	TO-220	4.5 to 40	1.23 to 37	3	BUCK
2599	7	TO-220	4.5 to 40	1.23 to 37	3	BUCK
2672	8	SOIC	8 to 40	1.21 to 37	1	BUCK
2672	8	SOIC	8 to 40	3.3	1	BUCK
2672	8	SOIC	8 to 40	5	1	BUCK
2672	8	DIL	8 to 40	1.21 to 37	1	BUCK
2672	8	DIL	8 to 40	1.21 to 37	1	BUCK
2672	8	DIL	8 to 40	5	1	BUCK
2673	7	TO-263	8 to 40	5	3	BUCK
2673	7	TO-263	8 to 40	12	3	BUCK
2673	7	TO-263	8 to 40	37	3	BUCK
2673	7	TO-263	8 to 40	37	3	BUCK
2673	7	TO-220	8 to 40	1.23 to 37	3	BUCK
2673	7	TO-220	8 to 40	1.23 to 37	3	BUCK
2673	7	TO-220	8 to 40	5	3	BUCK
2673	7	TO-220	8 to 40	5	3	BUCK

Mftrs. List No.	Order Code	Price Each 1+	25+	100+
LM2575T-12	948-8073	4.91	3.66	2.74
LM2575T-15	948-8081	4.91	3.66	2.74
LM2575T33.	596-838‡	4.91	3.66	2.74
LM2575T-3.3	949-3549	4.91	3.66	2.74
LM2575T-5.0	948-8090	4.91	3.66	2.74
LM2575T-ADJ	948-8103	4.91	3.66	2.74
LM2576T-12	948-8111	6.24	4.54	3.40
LM2576T-15	948-8120	6.24	4.54	3.40
LM2576T33.	596-840‡	6.24	4.54	3.40
LM2576T-3.3	949-3557	6.24	4.54	3.40
LM2576T-5.0	948-8138	6.24	4.54	3.40
LM2576T-ADJ	948-8146	6.24	4.54	3.40
LM2576HVS-ADJ	SMD 820-7380	11.46	8.33	6.24
LM2577T12..	408-244‡	8.87	7.30	6.58
LM2577T-12	977-8985	8.87	7.30	6.58
LM2577T15.	408-256‡	8.87	7.30	6.58
LM2577T-15	948-8154	8.87	7.30	6.58
LM2577-ADJ	119-7396	8.87	7.30	6.58
LM2585T50.	952-473	12.35	9.33	7.31
LM2585T50	121-5199	12.35	8.98	6.73
LM2585T-ADJ.	952-485‡	10.08	8.29	7.48
LM2585T-ADJ	949-4324	10.08	8.29	7.48
LM2587S50.	SMD 640-530‡	13.25	10.90	9.83
LM2587S-5.0	SMD 949-3689	13.25	10.90	9.83
LM2587S-ADJ	SMD 949-3697	13.25	10.90	9.83
LM2587T12.	596-863	13.25	10.90	9.83
LM2587T50.	596-887‡	13.25	10.90	9.83
LM2587T-5.0	949-3573	13.25	10.90	9.83
LM2587T-ADJ	949-3565	13.25	10.90	9.83
LM2588T-12	949-3700	14.32	11.78	10.62
LM2588T50.	641-984‡	14.32	11.78	10.62
LM2588T-5.0	949-3778	14.32	11.78	10.62
LM2588T-ADJ	949-3719	14.32	11.78	10.62
LM2591HVS-3.3	SMD 480-0059	8.24	7.00	5.72
LM2592HVS-ADJ	SMD 410-2459	9.90	8.40	6.93
LM2594M-3.3..	SMD 952-667	5.97	4.34	3.25
LM2594M-3.3	SMD 121-5200	5.97	4.34	3.25
LM2594M-5.0	SMD 977-9841	5.97	4.34	3.25
LM2594M-ADJ.	SMD 952-680‡	5.97	4.34	3.25
LM2594M-ADJ	SMD 949-4332	5.97	4.34	3.25
LM2594HVM-ADJ	SMD 421-0049	7.49	6.38	5.35
LM2594HVN-ADJ	121-1794	9.04	6.57	4.93
LM2594N12.	641-960‡	5.97	4.34	3.25
LM2594N-12	949-3751	5.97	4.34	3.25
LM2594N33.	701-142‡	5.97	4.34	3.25
LM2594N-3.3	949-3832	5.97	4.34	3.25
LM2594N-5.0	949-3646	5.97	4.34	3.25
LM2594N-ADJ	949-3654	5.97	4.34	3.25
LM2595S-3.3..	SMD 952-709	7.53	5.48	4.10
LM2595S-3.3	SMD 121-5202	7.26	5.48	4.10
LM2595S-5.0..	SMD 952-710	7.67	5.57	4.18
LM2595S-5.0	SMD 121-5203	7.36	5.48	4.10
LM2595S12.	SMD 952-692	7.53	5.48	4.10
LM2595S12	SMD 121-5201	7.53	5.48	4.10
LM2595S-ADJ.	SMD 952-722	7.53	5.48	4.10
LM2595S-ADJ	SMD 121-5204	7.53	5.48	4.10
LM2595T33.	952-734‡	7.53	5.48	4.10
LM2595T-3.3	949-4340	7.53	5.48	4.10
LM2595T12.	789-770‡	7.53	5.48	4.10
LM2595T-12	949-4057	7.53	5.48	4.10
LM2595T50.	789-781‡	7.53	5.48	4.10
LM2595T-5.0	949-4065	7.53	5.48	4.10
LM2595T-ADJ	949-4049	7.53	5.48	4.10
LM2596S33.	SMD 952-758	8.40	6.10	4.57
LM2596S-3.3	SMD 121-4545	8.40	6.10	4.57
LM2596S50.	SMD 952-760	8.40	6.10	4.57
LM2596S-5.0	SMD 121-4546	8.40	6.10	4.57
LM2596S-12	SMD 949-4359	8.40	6.10	4.57
LM2596S-ADJ.	SMD 952-771‡	8.40	6.10	4.57
LM2596S-ADJ	SMD 949-4367	8.40	6.10	4.57
LM2596T33.	952-795	8.40	6.10	4.57
LM2596T33	121-5205	8.40	6.10	4.57
LM2596T-5.0	120-6529	8.40	6.10	4.57
LM2596T12.	952-783‡	8.40	6.10	4.57
LM2596T-12	949-4375	8.40	6.10	4.57
LM2596T-ADJ	949-4162	8.40	6.10	4.57
LM2597M-3.3	SMD 949-4383	7.37	5.36	4.02
LM2597M-5.0	SMD 949-4391	7.37	5.36	4.02
LM2597M-ADJ	SMD 949-4405	7.37	5.36	4.02
LM2597N12.	640-517‡	7.37	5.36	4.02
LM2597N-12	949-3662	7.37	5.36	4.02
LM2597N33.	701-154‡	7.37	5.36	4.02
LM2597N50.	641-972‡	7.37	5.36	4.02
LM2597N-5.0	949-3760	7.37	5.36	4.02
LM2597N-ADJ.	640-529‡	7.37	5.36	4.02
LM2597N-ADJ	949-3670	7.37	5.36	4.02
LM2599T-12	949-4090	6.84	5.63	5.08
LM2599T50.	789-823‡	10.01	7.28	5.45
LM2599T-5.0	949-4103	10.01	7.28	5.45
LM2599T-ADJ.	789-800‡	10.01	7.28	5.45
LM2599T-ADJ	949-4081	10.01	7.28	5.45
LM2672M-ADJ	SMD 948-9789	8.18	5.95	4.46
LM2672M-3.3	SMD 446-6550	6.77	5.76	4.79
LM2672M-5.0	SMD 948-9797	8.18	5.95	4.46
LM2672N-ADJ.	412-5605‡	8.18	5.95	4.46
LM2672N-ADJ	948-9835	8.18	5.95	4.46
LM2672N-5.0	948-9827	8.18	5.95	4.46
LM2673S-5.0	SMD 948-6178	9.20	6.69	5.01
LM2673S-12	SMD 948-6151	9.20	6.69	5.01
LM2673S-ADJ.	SMD 300-0540‡	9.20	6.69	5.01
LM2673S-ADJ	SMD 948-6160	9.20	6.69	5.01
LM2673T-ADJ.	116-919‡	9.20	6.69	5.01
LM2673T-ADJ	948-5724	9.20	6.69	5.01
LM2673T50.	116-932‡	9.18	6.69	5.01
LM2673T-5.0	948-5740	9.18	6.69	5.01

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1563 Date: 22-08-06 time: 03:03

	Pins	Pkg	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Application	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
2673	7	TO-220	15 to 40	12	3	BUCK	LM2673T12.	116-920‡	6.29	5.18	4.67
2673	7	TO-220	15 to 40	12	3	BUCK	LM2673T-12	948-5732●	6.29	5.18	4.67
2674	8	SOIC	8 to 40	1.23 to 37	0.5	BUCK	LM2674M-ADJ	SMD 948-9940●	6.08	4.42	3.31
2674	8	DIL	8 to 40	1.23 to 37	0.5	BUCK	LM2674N-ADJ	446-6597●	5.05	4.30	3.44
2674	8	SOIC	8 to 40	5	0.5	BUCK	LM2674M-5.0	SMD 948-9754●	6.08	4.42	3.31
2675	8	SOIC	8 to 40	1.21 to 37	1	BUCK	LM2675M-ADJ	SMD 948-9770●	7.80	5.67	4.25
2675	8	SOIC	8 to 40	3.3	1	BUCK	LM2675M-3.3.	SMD 412-5575‡	7.80	5.67	4.25
2675	8	SOIC	8 to 40	3.3	1	BUCK	LM2675M-3.3	SMD 948-9800●	7.80	5.67	4.25
2675	8	SOIC	8 to 40	5	1	BUCK	LM2675M-5.0	SMD 948-9746●	7.80	5.67	4.25
2675	8	DIL	8 to 40	5	1	BUCK	LM2675N-5.0.	412-5587‡	7.80	5.67	4.25
2675	8	DIL	8 to 40	5	1	BUCK	LM2675N-5.0	948-9819●	7.80	5.67	4.25
2676	7	TO-220	8 to 40	1.23 to 37	3	BUCK	LM2676T-ADJ	948-5759●	8.77	6.38	4.78
2676	7	TO-220	8 to 40	5	3	BUCK	LM2676T50.	116-968‡	8.77	6.38	4.78
2676	7	TO-220	8 to 40	5	3	BUCK	LM2676T-5.0	948-5775●	8.77	6.38	4.78
2676	7	TO-220	15 to 40	12	3	BUCK	LM2676T12.	116-956‡	8.77	6.38	4.78
2676	7	TO-220	15 to 40	12	3	BUCK	LM2676T-12	948-5767●	8.77	6.38	4.78
2677	7	TO-220	8 to 40	1.2 to 37	5	BUCK	LM2677T-ADJ	822-1960●	11.96	9.84	8.87
2678	7	TO-220	8 to 40	5	5	BUCK	LM2678T-5.0..	300-0620‡	9.94	8.17	7.37
2678	7	TO-220	8 to 40	5	5	BUCK	LM2678T-5.0	977-8365●	9.94	8.17	7.37
2678	7	TO-263	40 to 8	12	5	BUCK	LM2678S-12	SMD 302-6784●	11.49	9.77	8.28
2678	7	TO-263	8 to 40	37	5	BUCK	LM2678S-ADJ	SMD 820-7399●	9.94	8.17	7.37
2678	7	TO-220	8 to 40	12	5	BUCK	LM2678T-12	977-8357●	9.94	8.17	7.37
2678	7	TO-220	8 to 40	1.23 to 37	5	BUCK	LM2678T-ADJ	948-6186●	9.94	8.17	7.37
2679	7	TO-263	8 to 40	5	5	BUCK	LM2679S50.	SMD 300-0746‡	10.49	8.63	7.78
2679	7	TO-263	8 to 40	5	5	BUCK	LM2679S-5.0	SMD 948-6208●	10.49	8.63	7.78
2679	7	TO-263	8 to 40	1.23 to 37	5	BUCK	LM2679S-ADJ.	SMD 300-0710‡	10.49	8.63	7.78
2679	7	TO-263	8 to 40	1.23 to 37	5	BUCK	LM2679S-ADJ	SMD 948-6194●	10.49	8.63	7.78
2679	7	TO-220	8 to 40	1.2 to 37	5	BUCK	LM2679T-ADJ.	412-5496‡	10.49	8.63	7.78
2679	7	TO-220	8 to 40	37 to 1.2	5	BUCK	LM2679T-ADJ	948-9762●	10.49	8.63	7.78
2825	24	DIL	4.75 to 40	3.3	1	BUCK	LM2825N-3.3	949-3891●	56.06	50.89	46.37
2825	24	DIL	7 to 40	5	1	BUCK	LM2825N-5.0	949-3883●	56.06	50.89	46.37
2825	24	DIL	4.5 to 40	15 to 1.23	1	BUCK	LM2825HN-ADJ	822-1987●	56.06	50.89	46.37

LM2825 Simple Switcher®

National Semiconductor

A complete 1A DC-DC Buck converter in a 24 pin DIL package. Self-contained and fully protected from output fault conditions, these high efficiency step-down regulators are available in 3.3V, 5.0V, 12.0V and Adjustable output voltages.

The family features include:

- Line and Load regulation
- High power density
- MTBF >20 million hours
- TTL shutdown capability and programmable soft-start
- Low output ripple
- EMI radiation compliant with CISPR22 Class B

210660

	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
3.3 Switching Regulator	LM2825N-3.3	949-3891●	56.06	50.89	46.37
5V Switching Regulator	LM2825N-5.0	949-3883●	56.06	50.89	46.37
12V switching Regulator	LM2825N-12.	314-7940‡	56.06	50.89	46.37
12V switching Regulator	LM2825N-12	948-6305●	56.06	50.89	46.37
Adjustable Switching Regulator	LM2825N-ADJ	948-6313●	56.06	50.89	46.37

Voltage Regulators

NEW

MICREL®

422935

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
2168	10	MSOP	1MHz PWM Synchronous Buck Control IC.	MIC2168YMM	SMD 110-0662●	7.13	5.34	4.56	4.51	– –
2185	16	SOP	Low Voltage Synchronous Boost PWM Control IC	MIC2185YM	SMD 110-0663●	9.34	7.00	6.02	5.95	– –
2207	12	MLF	1 to 5.5V Adjustable Voltage Regulator, PWM	MIC2207YML TR	SMD 110-0659●	7.52	5.63	4.82	4.79	– –
2202	10	MSOP	High Efficiency 2MHz Synchronous Buck Converter 1µF Stable PWM Regulator	MIC2202YMM	SMD 110-0661●	6.61	4.92	4.23	4.19	– –
4680	8	SOP	1.25 to 5V Adjustable Voltage Regulator	MIC4680YM	SMD 110-0657●	7.10	5.70	4.88	– –	– –
5205	5	SOT-23	2.5 to 5V Adjustable Voltage Regulator, LDO	MIC5205YM5 TR	SMD 110-0654●	1.56	1.17	0.88	0.65	– –
5209	8	SOIC	1.8 to 5V Adjustable Voltage Regulator, LDO	MIC5209YM	SMD 110-0653●	3.19	2.54	1.95	– –	– –
5219	5	SOT-23	2.5 to 5V Adjustable Voltage Regulator, LDO	MIC5219YM5 TR	SMD 110-0656●	2.57	2.05	1.58	– –	– –
5235	5	SOT-23	1.5 to 5V Adjustable Voltage Regulator, LDO	MIC5235YM5 TR	SMD 110-0655●	2.47	1.99	1.53	– –	– –
29152	5	TO-263	3.3V to 12V Adjustable Voltage Regulator, LDO	MIC29152WU	SMD 110-0648●	6.80	5.47	4.65	– –	– –
29302	5	TO-263	3.3V to 12V Adjustable Voltage Regulator, LDO	MIC29302WU	SMD 110-0649●	7.91	6.31	5.44	– –	– –
39102	8	SOIC	1.8 to 5V Adjustable Voltage Regulator, LDO	MIC39102YM	SMD 110-0652●	3.65	2.90	2.19	– –	– –
49150	5	S-Pak	0.9 to 1.8V Adjustable Voltage Regulator, LDO	MIC49150WR	SMD 110-0650●	6.58	5.27	4.51	– –	– –
49300	5	S-Pak	0.9 to 1.8V Adjustable Voltage Regulator, LDO	MIC49300WR	SMD 110-0651●	8.89	7.10	6.09	– –	– –

Voltage Regulators

NEW

FAIRCHILD SEMICONDUCTOR™

422937

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	+
5250	24	QSOP	Mobile Processor Core Voltage Regulator	FAN5250QSC	SMD 110-2142●	4.46	3.55	3.12	– –	– –
7805	3	TO-220	3-Terminal 1A Positive Voltage Regulator, 4% Output Voltage Accuracy.	LM7805CT	110-2157●	0.81	0.62	0.46	0.33	– –

Shunt Regulators

NEW

FAIRCHILD SEMICONDUCTOR™

422900

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
431	3	TO-92	Programmable Shunt Regulator, 1% Output Voltage Tolerance	FAN431AZXA	110-2131●	0.20	0.13	0.13
431	3	TO-92	Programmable Shunt Regulator, 0.5% Output Voltage Tolerance	FAN431LZXA	110-2132●	0.20	0.13	0.13
431	3	TO-92	Programmable Shunt Regulator, 2% Output Voltage Tolerance	FAN431ZXA	110-2133●	0.20	0.13	0.13

● Compliant ◀ Non-compliant ++ Limited stock - RoHS replacement available

RoHS

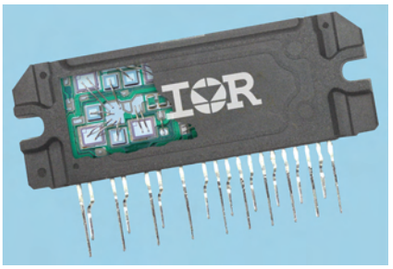
C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1564 Date: 22-08-06 time: 03:04

iMOTION™ Series Power Modules

International IOR Rectifier

NEW



This range of Power Modules are designed for a number of applications, including compressor drives, fan controls, air conditioning systems and light industrial applications. They feature an in-built temperature monitor and over-current protection, short-circuit rated IGBTs an integrated under-voltage lockout function. They deliver a high level of protection and fail-safe operation. The iMOTION™ Series Power Modules are available in variations on a Single In Line package as detailed in the relevant datasheets.

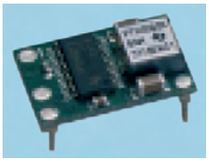
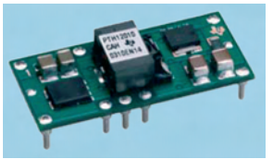
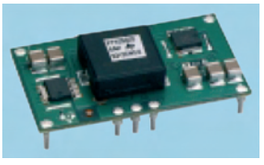
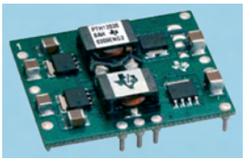
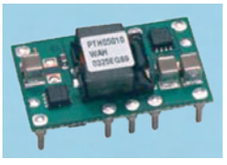
Package Types:
* 23-pin Standard Pin Leadforming Option ** 23-pin Leadforming Option 2

418838

Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
*	"Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 6A, 600V	IRAMS06UP60A	101-9919	48.45	33.81	25.81
*	"Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, with Internal Shunt Resistor, 6A, 600V	IRAMS06UP60B	101-9920	50.59	35.31	26.94
*	"Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 10A, 600V	IRAMS10UP60A	101-9921	53.22	37.14	28.35
**	"Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 10A, 600V	IRAMS10UP60A-2	101-9923	53.22	37.14	28.35
*	Integrated Power hybrid IC for Appliance Motor Drive Applications, with Internal Shunt Resistor, 10A, 600V	IRAMS10UP60B	101-9924	55.84	38.97	29.75
*	"Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 16A, 600V	IRAMX16UP60A	101-9925	72.37	52.79	40.30
**	"Plug N Drive" Integrated Power Module for Appliance Motor Drive Applications, 6A, 600V	IRAMX16UP60A-2	101-9926	72.37	52.79	40.30
*	Integrated Power Hybrid IC for Appliance Motor Drive Applications, 16A, 600V.	IRAMX16UP60B	102-3702	76.91	55.06	42.83
*	Integrated Power Hybrid IC for Appliance Motor Drive Applications, 20A, 600V with open Emitter Pins	IRAMX20UP60A	102-3703	71.80	52.38	39.97
*	Integrated Power Hybrid IC for Appliance Motor Drive Applications, 20A, 600V with Internal Shunt Resistor	IRAMY20UP60B	102-3704	88.10	63.06	49.06

Plug-in Power Modules

Texas Instruments

A range of non-isolated power modules designed to be small in size but with high performance and flexibility. Covering a range of output currents and input voltages, the power modules are suitable for use in telecom, industrial and general purpose circuits. Features include an on/off inhibit, output voltage adjust (trim) and margin up/down controls, as well as a non-latching over-current trip to serve as a load fault protection.

423176

Mftrs. List No.	Input Voltage	Output Voltage	Output Current	Pins/Case	Order Code	Price Each 1+	25+	100+
PTH03000WAD	3.3V	0.9V to 2.5V	6A	5/Horizontal Through Hole	110-3270	22.53	19.35	16.69
PTH03000WAZ	3.3V	0.9V to 2.5V	6A	5/Horizontal Surface Mount	SMD 110-3272	22.53	19.35	16.69
PTH03050WAH.	3.3V	0.8V to 2.5V	6A	6/Horizontal Through Hole	835-4316	21.39	18.38	15.85
PTH03050WAH.	3.3V	0.8V to 2.5V	6A	6/Horizontal Through Hole	121-2251	22.85	19.64	16.93
PTH03050WAD	3.3V	0.8V to 2.5V	6A	6/Horizontal Through Hole	110-3273	21.41	18.40	15.87
PTH03050WAZ	3.3V	0.8V to 2.5V	6A	6/Horizontal Surface Mount	SMD 110-3274	21.42	18.40	15.87
PTH03060WAH.	3.3V	0.8V to 2.5V	10A	10/Horizontal Through Hole	835-4332	32.37	27.06	23.54
PTH03060WAH	3.3V	0.8V to 2.5V	10A	10/Horizontal Through Hole	121-2252	30.40	25.40	22.10
PTH03060WAD	3.3V	0.8V to 2.5V	10A	10/Horizontal Through Hole	110-3275	30.39	25.40	22.10
PTH03060WAZ	3.3V	0.8V to 2.5V	10A	10/Horizontal Surface Mount	SMD 110-3276	30.40	25.40	22.10
PTH03010WAD	3.3V	0.8V to 2.5V	15A	10/Horizontal Through Hole	110-3277	32.31	28.06	25.57
PTH03010WAZ	3.3V	0.8V to 2.5V	15A	10/Horizontal Surface Mount	SMD 110-3278	32.32	28.06	25.57
PTH03020WAZ	3.3V	0.8V to 2.5V	22A	10/Horizontal Surface Mount	SMD 110-3280	41.79	36.29	33.07
PTH03030WAD	3.3V	0.8V to 2.5V	30A	13/Horizontal Through Hole	110-3281	47.36	41.13	37.48
PTH03030WAZ	3.3V	0.8V to 2.5V	30A	13/Horizontal Surface Mount	SMD 110-3282	47.36	41.13	37.48
PTH05000WAH.	5V	0.9V to 3.6V	6A	5/Horizontal Through Hole	835-4413	22.53	19.35	16.69
PTH05000WAH	5V	0.9V to 3.6V	6A	5/Horizontal Through Hole	121-2253	22.53	19.35	16.69
PTH05000WAD	5V	0.9V to 3.6V	6A	5/Horizontal Through Hole	110-3284	22.53	19.35	16.69
PTH05000WAZ	5V	0.9V to 3.6V	6A	5/Horizontal Surface Mount	SMD 110-3285	22.53	19.35	16.69
PTH05050WAH.	5V	0.8V to 3.6V	6A	6/Horizontal Through Hole	835-4430	21.42	18.40	15.87
PTH05050WAH	5V	0.8V to 3.6V	6A	6/Horizontal Through Hole	121-2256	21.42	18.40	15.87
PTH05050WAD	5V	0.8V to 3.6V	6A	6/Horizontal Through Hole	110-3286	21.41	18.40	15.87
PTH05050WAZ	5V	0.8V to 3.6V	6A	6/Horizontal Surface Mount	SMD 110-3287	21.42	18.40	15.87
PTH05060WAD	5V	0.8V to 3.6V	10A	10/Horizontal Through Hole	110-3288	30.40	25.40	22.10
PTH05060WAZ	5V	0.8V to 3.6V	10A	10/Horizontal Surface Mount	SMD 110-3289	30.40	25.40	22.10
PTH05010WAD	5V	0.8V to 3.6V	15A	10/Horizontal Through Hole	110-3290	32.12	28.06	25.57
PTH05010WAZ	5V	0.8V to 3.6V	15A	10/Horizontal Surface Mount	SMD 110-3291	32.32	28.06	25.57
PTH05020WAD	5V	0.8V to 3.6V	22A	10/Horizontal Through Hole	110-3292	41.79	36.29	33.07
PTH05020WAZ	5V	0.8V to 3.6V	22A	10/Horizontal Surface Mount	SMD 110-3293	41.79	36.29	33.07
PTH05030WAD	5V	0.8V to 3.6V	30A	13/Horizontal Through Hole	110-3294	47.36	41.13	37.48
PTH05030WAS	5V	0.8V to 3.6V	30A	13/Horizontal Surface Mount	SMD 110-3296	47.36	41.13	37.48
PTH12000WAH	12V	1.2V to 5.5V	6A	5/Horizontal Through Hole	121-2257	22.53	19.35	16.69
PTH12000WAD	12V	1.2V to 5.5V	6A	5/Horizontal Through Hole	110-3297	22.53	19.35	16.69
PTH12000WAZ	12V	1.2V to 5.5V	6A	5/Horizontal Surface Mount	SMD 110-3298	22.53	19.35	16.69
PTH12050WAH.	12V	1.2V to 5.5V	6A	6/Horizontal Through Hole	835-4553	21.42	18.40	15.87
PTH12050WAH	12V	1.2V to 5.5V	6A	6/Horizontal Through Hole	121-2258	21.42	18.40	15.87

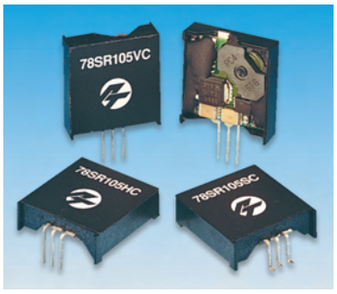
Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1565 Date: 22-08-06 time:03:05

Mftrs. List No.	Input Voltage	Output Voltage	Output Current	Pins/Case	Order Code	Price Each 1+	25+	100+
PTH12050WAD	12V	1.2V to 5.5V	6A	6/Horizontal Through Hole	110-3299	21.29	18.40	15.87
PTH12050WAZ	12V	1.2V to 5.5V	6A	6/Horizontal Surface Mount	SMD 110-3300	21.42	18.40	15.87
PTH12060WAH.	12V	1.2V to 5.5V	10A	10/Horizontal Through Hole	835-4570	31.58	26.39	22.96
PTH12060WAH	12V	1.2V to 5.5V	10A	10/Horizontal Through Hole	121-2259	30.40	25.40	22.10
PTH12060WAD	12V	1.2V to 5.5V	10A	10/Horizontal Through Hole	110-3302	30.39	25.40	22.10
PTH12060WAZ	12V	1.2V to 5.5V	10A	10/Horizontal Surface Mount	SMD 110-3303	30.40	25.40	22.10
PTH12010WAH.	12V	1.2V to 5.5V	12A	10/Horizontal Through Hole	835-4596	31.98	27.77	25.30
PTH12010WAH	12V	1.2V to 5.5V	12A	10/Horizontal Through Hole	121-2260	32.32	28.06	25.57
PTH12010WAZ	12V	1.2V to 5.5V	12A	10/Horizontal Surface Mount	SMD 110-3305	32.32	28.06	25.57
PTH12020WAH.	12V	1.2V to 5.5V	18A	10/Horizontal Through Hole	835-4618	51.50	44.72	40.75
PTH12020WAH	12V	1.2V to 5.5V	18A	10/Horizontal Through Hole	121-2261	41.79	36.29	33.07
PTH12020WAD	12V	1.2V to 5.5V	18A	10/Horizontal Through Hole	110-3306	41.79	36.29	33.07
PTH12020WAZ	12V	1.2V to 5.5V	18A	10/Horizontal Surface Mount	SMD 110-3307	41.79	36.29	33.07
PTH12030WAH.	12V	1.2V to 5.5V	26A	13/Horizontal Through Hole	835-4634	64.52	57.48	53.37
PTH12030WAH	12V	1.2V to 5.5V	26A	13/Horizontal Through Hole	121-2262	47.36	41.13	37.48
PTH12030WAD	12V	1.2V to 5.5V	26A	13/Horizontal Through Hole	110-3308	47.36	41.13	37.48
PTH12030WAZ	12V	1.2V to 5.5V	26A	13/Horizontal Surface Mount	SMD 110-3309	47.36	41.13	37.48

Integrated Switching Regulators



The 78SR1 and 79SR1 Series are a line up of 3-terminal Integrated Switching Regulators (ISRs) that are as easy to use as linear 3-terminal regulators. These positive and negative step down ISRs have a maximum output current of +1.5A and -1.5A, input voltage ranges of up to +30V and -30V, respectively. These Series have an output voltage that is laser trimmed to industry standard voltages. They have excellent line and load regulation with internal short circuit and over-temperature protection.
These Series offer >85% efficiency. The 78SR1 Series is ideal for solving heat/space/reliability problems in a wide variety of industrial applications. The 79SR1 Series is ideal for applications in RS232 systems, Ethernet communications, logic and in Op-amp circuitry.

210538

	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
+5V ISR - Horizontal Mount	78SR105HC.	485-123	31.61	27.45	25.01
+5V ISR - Horizontal Mount	78SR105HC	121-6736	35.28	30.64	27.92
+12V ISR - Horizontal Mount	78SR112HC.	485-135	32.03	27.82	25.35
+12V ISR - Horizontal Mount	78SR112HC	121-6737	35.28	30.64	27.92
+5V ISR - Surface Mount	78SR105SC.	311-4818	32.08	27.86	25.39
+5V ISR - Surface Mount	78SR105SC	121-6732	35.28	30.64	27.92
+5V ISR - Vertical Mount	78SR105VC.	485-147	31.91	27.71	25.25
+5V ISR - Vertical Mount	78SR105VC	121-6738	35.28	30.64	27.92
+12V ISR - Surface Mount	78SR112SC.	311-4820	33.93	29.46	26.85
+12V ISR - Surface Mount	78SR112SC	121-6733	35.28	30.64	27.92
+12V ISR - Vertical Mount	78SR112VC.	485-159	32.11	27.89	25.41
+12V ISR - Vertical Mount	78SR112VC	121-6741	35.28	30.64	27.92

Integrated Switching Regulators



The Integrated Switching Regulators (ISR) are easy to use positive and negative stepdown regulators, with PT5041 as setup regulator, offering >85% efficiency. The output voltages are laser trimmed to industry standard voltages with excellent line and load regulation. The ISR line up is suitable for a multitude of applications including Ethernet comms, logic, RS-232, op-amp circuitry, disk drive motors and battery powered equipment.

210932

Mftrs. List No.	Input Voltage	Output Voltage	V_O Adjust	Output Current	On/Off Control	Short Circuit Protection	Thermal Shutdown	Pins/Case	Order Code	Price Each 1+	25+	100+
PT5041N.	5V	+12V		1A			Y	3/Vertical through hole	311-4880	28.59	24.83	22.62
PT5041N	5V	+12V		1A			Y	3/Vertical through hole	121-3128	29.74	25.92	22.55
PT5101A.	V_O +4V to 38V	+5V		1A		Y	Y	3/Horizontal Through Hole	SMD 311-4892	22.90	19.67	16.97
PT5101A	V_O +4V to 38V	+5V		1A		Y	Y	3/Horizontal Through Hole	SMD 121-3129	24.00	20.62	17.78
PT5101C.	V_O +4V to 38V	+5V		1A		Y	Y	3/Horizontal Surface Mount	SMD 311-4909	22.68	19.48	16.80
PT5101C	V_O +4V to 38V	+5V		1A		Y	Y	3/Horizontal Surface Mount	SMD 121-3130	24.00	20.62	17.78
PT5101N.	V_O +4V to 38V	+5V		1A		Y	Y	3/Vertical through hole	311-4910	22.63	19.44	16.77
PT5101N	V_O +4V to 38V	+5V		1A		Y	Y	3/Vertical through hole	121-3132	24.00	20.62	17.78
PT5102A.	V_O +4V to 38V	+12V		1A		Y	Y	3/Horizontal Through Hole	SMD 311-4922	23.67	20.34	17.54
PT5102A	V_O +4V to 38V	+12V		1A		Y	Y	3/Horizontal Through Hole	SMD 121-3133	24.00	20.62	17.78
PT5102C.	V_O +4V to 38V	+12V		1A		Y	Y	3/Horizontal Surface Mount	SMD 311-4934	22.63	19.44	16.77
PT5102C	V_O +4V to 38V	+12V		1A		Y	Y	3/Horizontal Surface Mount	SMD 121-3134	24.00	20.62	17.78
PT5102N.	V_O +4V to 38V	+12V		1A		Y	Y	3/Vertical through hole	311-4946	22.37	19.22	16.57
PT5102N	V_O +4V to 38V	+12V		1A		Y	Y	3/Vertical through hole	121-3135	24.00	20.62	17.78
PT6302A.	V_O +4V to 38V	+5V	Y	3A	Y	Y	Y	12/Horizontal Through Hole	311-5070	36.33	31.55	28.75
PT6302A	V_O +4V to 38V	+5V	Y	3A	Y	Y	Y	12/Horizontal Through Hole	121-3136	34.90	30.30	27.61
PT6302C.	V_O +4V to 38V	+5V	Y	3A	Y	Y	Y	12/Horizontal Surface Mount	311-5082	34.90	30.30	27.61
PT6302C	V_O +4V to 38V	+5V	Y	3A	Y	Y	Y	12/Horizontal Surface Mount	121-3137	37.24	32.34	29.47
PT6302N.	V_O +4V to 38V	+5V	Y	3A	Y	Y	Y	12/Vertical through hole	311-5094	36.06	31.32	28.54
PT6302N	V_O +4V to 38V	+5V	Y	3A	Y	Y	Y	12/Vertical through hole	121-3138	34.90	30.30	27.61
PT6304A	V_O +4V to 38V	+5V	Y	3A	Y	Y	Y	12/Horizontal Through Hole	121-3139	34.90	30.30	27.61
PT6304C.	V_O +4V to 38V	+12V	Y	3A	Y	Y	Y	12/Horizontal Surface Mount	311-5112	36.12	31.37	28.58
PT6304C	V_O +4V to 38V	+12V	Y	3A	Y	Y	Y	12/Horizontal Surface Mount	121-3140	34.90	30.30	27.61
PT6304N.	V_O +4V to 38V	+12V	Y	3A	Y	Y	Y	12/Vertical through hole	311-5124	34.90	30.30	27.61
PT6304N	V_O +4V to 38V	+12V	Y	3A	Y	Y	Y	12/Vertical through hole	121-3141	34.90	30.30	27.61
PT78HT205H.	V_O +4V to 28V	+5V		2A			Y	3/Horizontal Through Hole	SMD 311-5252	33.43	29.03	26.46
PT78HT205H	V_O +4V to 28V	+5V		2A			Y	3/Horizontal Through Hole	SMD 121-3142	31.67	27.50	25.06
PT78HT205V.	V_O +4V to 28V	+5V		2A			Y	3/Vertical through hole	311-5276	31.45	27.31	24.88
PT78HT205V	V_O +4V to 28V	+5V		2A			Y	3/Vertical through hole	121-3144	31.67	27.50	25.06
PT78HT233S.	V_O +4V to 28V	+3.3V		2A			Y	3/Horizontal Surface Mount	SMD 311-5290	32.58	28.29	25.78
PT78HT233S	V_O +4V to 28V	+3.3V		2A			Y	3/Horizontal Surface Mount	SMD 121-3145	31.67	27.50	25.06
PT78ST105H.	V_O +4V to 38V	+5V		1.5A			Y	3/Horizontal Through Hole	SMD 311-5318	27.29	22.81	20.22
PT78ST105H	V_O +4V to 38V	+5V		1.5A			Y	3/Horizontal Through Hole	SMD 121-3146	28.24	23.60	20.93
PT78ST105S.	V_O +4V to 38V	+5V		1.5A			Y	3/Horizontal Surface Mount	SMD 311-5320	28.24	23.60	20.93
PT78ST105S	V_O +4V to 38V	+5V		1.5A			Y	3/Horizontal Surface Mount	SMD 121-3147	28.24	23.60	20.93

● Compliant
▲ Non-compliant
++ Limited stock - RoHS replacement available
RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1566 Date: 22-08-06 time: 03:06

Mftrs. List No.	Input Voltage	Output Voltage	V_n Adjust	Output Current	On/Off Control	Short Circuit Protection	Thermal Shutdown	Pins/Case	Order Code	Price Each 1+	25+	100+
PT78ST105V.	V_n +4V to 38V	+5V		1.5A		Y	Y	3/Vertical through hole	311-5331	29.75	24.86	21.63
PT78ST105V	V_n +4V to 38V	+5V		1.5A		Y	Y	3/Vertical through hole	121-3148	28.24	23.60	20.93
PT78ST112H.	V_n +4V to 38V	+12V		1.5A		Y	Y	3/Horizontal Through Hole	SMD 311-5343	27.37	22.88	20.28
PT78ST112H	V_n +4V to 38V	+12V		1.5A		Y	Y	3/Horizontal Through Hole	SMD 121-3149	28.24	23.60	20.93
PT78ST112V.	V_n +4V to 38V	+12V		1.5A		Y	Y	3/Vertical through hole	311-5367	28.84	24.10	21.37
PT78ST112V	V_n +4V to 38V	+12V		1.5A		Y	Y	3/Vertical through hole	121-3150	28.24	23.60	20.93
PT78ST115H	V_n +4V to 38V	+15V		1.5A		Y	Y	3/Horizontal Through Hole	SMD 121-3151	28.24	23.60	20.93
PT78ST115V.	V_n +4V to 38V	+15V		1.5A		Y	Y	3/Vertical through hole	311-5409	30.08	25.13	21.87
PT78ST115V	V_n +4V to 38V	+15V		1.5A		Y	Y	3/Vertical through hole	121-3152	28.24	23.60	20.93
PT78ST133H.	V_n +4V to 38V	+3.3V		1.5A		Y	Y	3/Horizontal Through Hole	SMD 311-5410	26.43	22.09	19.58
PT78ST133H	V_n +4V to 38V	+3.3V		1.5A		Y	Y	3/Horizontal Through Hole	SMD 121-3153	28.24	23.60	20.93
PT78ST133V	V_0 +4V to 38V	+3.3V		1.5A		Y	Y	3/Vertical through hole	121-3154	28.24	23.60	20.93

Buck/Boost Regulators, Controllers & Charge Pumps

Sipex

NEW

406011

	Pins/Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
682	8/NSOIC	Micro Power Inverting Charge Pump	SP682CN-L	SMD 938-8516	3.95	3.16	2.46	– –	– –
6120	16/TSSOP	Low Voltage, AnyFETTM, Synchronous, Buck Controller	SP6120BEY-L	SMD 938-8907	9.78	7.83	6.09	– –	– –
6120	16/TSSOP	Low Voltage, AnyFETTM, Synchronous, Buck Controller	SP6120EY-L	SMD 938-8893	9.78	7.83	6.09	– –	– –
6121	8/NSOIC	Low Voltage, 8 Pin, Synchronous Buck Controller	SP6121CN-L	SMD 938-8885	5.41	4.33	3.37	– –	– –
6122	8/MSOP	Low Voltage, Micro 8, PFET, Buck Controller	SP6122ACU-L	SMD 938-8877	3.95	3.16	2.46	– –	– –
6122	8/MSOP	Low Voltage, Micro 8, PFET, Buck Controller	SP6122ACU-L-1-5	SMD 938-8095	3.95	3.16	2.46	– –	– –
6123	8/NSOIC	300 kHz, Low Voltage, 8 Pin, Synchronous Buck Controller	SP6123EN-L	SMD 938-8869	6.87	5.49	4.27	– –	– –
6128	14/TSSOP	Low Voltage Synchronous Buck Controller	SP6128AEY-L	SMD 938-8850	10.41	8.33	6.48	– –	– –
6132	10/MSOP	Dual Supply Synchronous Buck Controller	SP6132EU-L	SMD 938-8842	8.12	6.49	5.05	– –	– –
6132	10/MSOP	High Voltage Synchronous Buck Controller	SP6132HEU-L	SMD 938-8834	11.45	9.16	7.12	– –	– –
6134	10/MSOP	Dual Supply Synchronous Buck Controller	SP6134EU-L	SMD 938-8826	8.12	6.49	5.05	– –	– –
6139	10/MSOP	Wide Input, 1.3MHz Synchronous PWM Controller	SP6139EU-L	SMD 938-8818	8.12	6.49	5.05	– –	– –
6644	8/mSOIC	Single/Dual Alkaline Cell, High Efficiency Boost DC-DC Regulator	SP6644EU-L	SMD 938-8800	5.62	4.50	3.50	– –	– –
6645	8/mSOIC	Single/Dual Alkaline Cell, High Efficiency Boost DC-DC Regulator	SP6645EU-L	SMD 938-8796	5.62	4.50	3.50	– –	– –
6648	10/DFN	Ultra-low Quiescent Current, High Efficiency Boost Regulator	SP6648ER-L	SMD 938-8788	7.28	5.83	4.53	– –	– –
6648	10/MSOP	Ultra-low Quiescent Current, High Efficiency Boost Regulator	SP6648EU-L	SMD 938-8770	7.28	5.83	4.53	– –	– –
6650	10/MSOP	High Efficiency 600mA Synchronous Buck Regulator	SP6650EU-L	SMD 938-8761	5.62	4.50	3.50	– –	– –
6651	10/DFN	High Efficiency 800mA Synchronous Buck Regulator	SP6651AER-L	SMD 938-8753	5.62	4.50	3.50	– –	– –
6651	10/MSOP	High Efficiency 800mA Synchronous Buck Regulator	SP6651AEU-L	SMD 938-8745	5.62	4.50	3.50	– –	– –
6654	10/DFN	High Efficiency 800mA Synchronous Buck Regulator w/power good	SP6654ER-L	SMD 938-8737	6.04	4.83	3.76	– –	– –
6654	10/MSOP	High Efficiency 800mA Synchronous Buck Regulator w/power good	SP6654EU-L	SMD 938-8729	6.04	4.83	3.76	– –	– –
6655	10/DFN	High Efficiency 400mA Synchronous Buck Regulator	SP6655ER-L	SMD 938-8710	6.04	4.83	3.76	– –	– –
6656	10/DFN	High Efficiency 400mA Synchronous Buck Regulator w/ bit programmable output	SP6656ER-L	SMD 938-8702	6.04	4.83	3.76	– –	– –
6660	8/µSOIC	200mA Charge Pump Inverter or Doubler	SP6660CU-L	SMD 938-8699	3.75	3.00	2.33	– –	– –
6661	8/NSOIC	High Frequency 200mA Charge Pump Inverter or Doubler	SP6661EN-L	SMD 938-8680	4.58	3.66	2.85	– –	– –
7650	26/DFN	SP7650, Wide Input Voltage Range 3A, 300kHz, Buck Regulator	SP7650ER-L	SMD 938-8567	11.45	9.16	7.12	– –	– –
7651	26/DFN	Wide Input Voltage Range 3A, 900kHz, Buck Regulator	SP7651ER-L	SMD 938-8559	12.28	9.82	7.64	– –	– –
7652	26/DFN	SP7652, Wide Input Voltage Range 6A, 600kHz, Buck Regulator	SP7652ER-L	SMD 938-8540	12.28	9.82	7.64	– –	– –
7655	26/DFN	SP7655, Wide Input Voltage Range 8A, 300kHz, Buck Regulator	SP7655ER-L	SMD 938-8532	20.60	16.48	12.82	– –	– –
7683	16/QFN	Four Channel Charge Pump LED Driver	SP7683ER-L	SMD 938-8524	8.12	6.49	5.05	– –	– –

LED Drivers & Regulators

Sipex

NEW

406032

	Pins/Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
4446	5/SOT-23	High Output Voltage Boost Regulator LCD Bias Regulator	SP4446EK-L	SMD 938-7099	3.95	3.16	2.46	– –	– –
6682	10/DFN	High Efficiency Charge Pump Regulator for White LEDs	SP6682ER-L	SMD 938-8664	4.58	3.66	2.85	– –	– –
6682	10/MSOP	High Efficiency Charge Pump Regulator for White LEDs	SP6682EU-L	SMD 938-8656	4.58	3.66	2.85	– –	– –
6683	10/DFN	High Power LED Driver for Parallel Configuration	SP6683ER-L	SMD 938-8648	6.24	5.00	3.88	– –	– –
6685	10/DFN	Charge Pump LED Driver For Camera Flash	SP6685ER-L	SMD 938-8630	9.99	7.99	6.22	– –	– –
6690	5/SOT-23	Micro Power Boost Regulator Series White LED Driver	SP6690EK-L	SMD 938-8621	4.58	3.66	2.85	– –	– –
6691	5/SOT-23	Micro Power Boost Regulator Series White LED Driver	SP6691EK-L	SMD 938-8613	4.58	3.66	2.85	– –	– –
6691	8/DFN	Micro Power Boost Regulator Series White LED Driver	SP6691ER-L	SMD 938-8605	5.41	4.33	3.37	– –	– –
7611	6/SC-70	Low Dropout LED Driver for any Colour LED.	SP7611AEC6-L	SMD 938-8591	2.29	1.83	1.42	– –	– –
7612	6/SC-70	Low Dropout LED Driver for any Colour LED.	SP7612AEC6-L	SMD 938-8583	2.29	1.83	1.42	– –	– –
7614	6/SC-70	Low Dropout LED Driver for any Colour LED.	SP7614AEC6-L	SMD 938-8575	2.29	1.83	1.42	– –	– –

Product Watch obsolescence identification

- FREE to all account holders
- Notification of obsolete, end of line and end of stock items
- Replacement or upgrade recommendations

Advanced warning of obsolete components

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1567 Date: 22-08-06 time: 03:07

Low Power Supervisory Circuits & Control

Sipex

NEW

406025

	Pins/Package	Description	Reset Threshold (V)	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
690	8/NSOIC	Low Power Microprocessor Supervisory with Battery Switch-Over	4.65	SP690AEN-L	SMD 938-9156	4.79	3.83	2.98	– –	– –
690	8/NSOIC	3.0V/3.3V Low Power Microprocessor Supervisory with Battery Switch-Over	2.625	SP690REN-L	SMD 938-9148	4.79	3.83	2.98	– –	– –
690	8/NSOIC	3.0V/3.3V Low Power Microprocessor Supervisory with Battery Switch-Over	3.075	SP690TEN-L	SMD 938-9130	4.79	3.83	2.98	– –	– –
691	16/NSOIC	Low Power Microprocessor Supervisory with Battery Switch-Over	4.65	SP691AEN-L	SMD 938-9121	4.79	3.83	2.98	– –	– –
691	16/WSOIC	Low Power Microprocessor Supervisory with Battery Switch-Over	4.65	SP691AET-L	SMD 938-9113	4.79	3.83	2.98	– –	– –
692	8/NSOIC	Low Power Microprocessor Supervisory with Battery Switch-Over	4.4	SP692AEN-L	SMD 938-9105	6.04	4.83	3.76	– –	– –
703	8/NSOIC	Low Power Microprocessor Supervisory with Battery Switch-Over	4.65	SP703EN-L	SMD 938-9091	4.37	3.50	2.72	– –	– –
704	8/NSOIC	Low Power Microprocessor Supervisory with Battery Switch-Over	4.4	SP704EN-L	SMD 938-9083	4.37	3.50	2.72	– –	– –
705	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.65	SP705EN-L	SMD 938-9075	2.91	2.33	1.81	– –	– –
706	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.4	SP706EN-L	SMD 938-9067	2.91	2.33	1.81	– –	– –
706	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.4	SP706PEN-L	SMD 938-9059	2.91	2.33	1.81	– –	– –
706	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.4	SP706REN-L	SMD 938-9040	2.91	2.33	1.81	– –	– –
706	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.4	SP706SEN-L	SMD 938-9032	3.12	2.50	1.94	– –	– –
706	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.4	SP706TEN-L	SMD 938-9024	3.12	2.50	1.94	– –	– –
707	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.65	SP707EN-L	SMD 938-9016	3.12	2.50	1.94	– –	– –
708	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.4	SP708EN-L	SMD 938-9008	3.54	2.83	2.20	– –	– –
708	8/NSOIC	Low Power Microprocessor Supervisory Circuit	4.4	SP708TEN-L	SMD 938-8990	3.54	2.83	2.20	– –	– –
730	3/SOT-23	Microprocessor Supervisory with Pull Up Resistor	4.375	SP730EK-L-4-375	SMD 938-8460	3.54	2.83	2.20	– –	– –
791	16/NSOIC	Low Power Microprocessor Supervisory with Battery Switch-Over	4.65	SP791EN-L	SMD 938-8982	12.28	9.82	7.64	– –	– –
805	8/NSOIC	Low Power Microprocessor Supervisory with Battery Switch-Over	4.65	SP805LEN-L	SMD 938-8974	6.24	5.00	3.88	– –	– –
813	8/NSOIC	Low Power Microprocessor Supervisory Circuits	4.65	SP813LEN-L	SMD 938-8966	3.95	3.16	2.46	– –	– –
2525	8/NSOIC	+3.0V to +5.5V USB Power Control Switch		SP2525A-2EN-L	SMD 938-6602	3.75	3.00	2.33	– –	– –
2526	8/NSOIC	+3.0V to +5.5V USB Power Control Switch		SP2526-1EN-L	SMD 938-6610	3.75	3.00	2.33	– –	– –
2526	8/NSOIC	+3.0V to +5.5V USB Power Control Switch		SP2526-2EN-L	SMD 938-6629	3.75	3.00	2.33	– –	– –

Relay Drivers

210447

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+
2981	ALEG	18	DIL	LED/Relay Driver, 8 NPN Darlingtons +5V input, 500mA output	UDN2981A-T	119-3495	9.39	4.41	3.60	3.49
3680	MCHIP	14	DIL	Quad Relay Driver (Negative), TTL/CMOS Compatible	DS3680N.	408-773‡	2.75	1.95	1.42	– –

Remote Control ICs

210448

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
12	HT	18	DIP		HT12A 18 DIP	120-7996	2.44	2.02	1.63
12	HT	18	DIL	8-bit Decoder with 28address code and 4-bits of encoder data at 4 decoder output pins. Complements HT12E	HT12D	121-1514	6.90	5.27	3.84
12	HT	18	DIL	12-bit, Low Power, High Noise Immunity Encoder	HT12E	121-1512	6.90	5.27	3.84
12	HT	20	SOIC	12-bit, low power High Noise immunity Encoder	HT12E-20SOP	SMD 120-7993	2.44	2.02	1.63
12	HT	18	DIL	12-bit Decoder with 212 address code. Complements HT12E	HT12F	121-1513	9.15	6.58	4.72
12	HT	20	SOIC	12-bit, Decoder with 212 address code. Complements HT12E	HT12F-20SOP	SMD 120-7995	7.71	6.35	5.11
2270	ATM	16	SOIC	Read/Write Base Station	U2270B-MFPY	SMD 109-5806	6.71	4.88	3.84
6026	HT	16	DIL	39Remote Controller Encoder (MC145026 compatible)	HT6026	121-1515	5.79	4.30	3.29

KEELOQ Evaluation Kit

MICROCHIP



KeeLoq HCS410 300-2883



KeeLoq Evaluation Kit 386-6403

The kit demonstrates the capabilities of Microchip's code hopping technology. The encoder devices are designed to be the transmitter portion and the decoders as the receiver portion to a keyless entry system.

Typical applications for the Keeloq devices include:

- Keyless entry
- Security systems
- Garage door openers
- Central locking systems
- Transcation cards
- Immobilizers
- ID tokens
- Electronic tagging
- Passive transponders
- and many more...

The Evaluation kit includes the necessary hardware to evaluate code hopping system and demonstration software program on 3.5" disk.

The code hopping encoders feature:

- Programmable 28/32-bit serial number
- Programmable 64-bit encryption key
- Each transmission unique
- Encryption keys are read protected

Supplied with a universal power supply. UK or International power supply optional. UK or European mains plug lead available separately.

210892

	Order Code	Price Each 1+
KeeLoq Evaluation Kit	386-6403	462.51
KEELOQ HCS410 evaluation kit	300-2883	740.02
Power supply 9V, 900mA (IEC 110-240V ac)	110-711	69.75
Lead, European 2.5M, Black	112-4379	12.76

228412

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
301	8	SOIC	Code hopping encoder, 66-bit transmission code length, 32-bit hopping code, 28-bit serial number, 4-bit function code, 2-bit status, 3.5V - 13.0V operation	HCS301-I/SN	SMD 121-2475	3.19	2.60	2.18
360	8	SOIC	Code hopping encoder and transponder	HCS360-I/SN	SMD 975-8321	4.38	3.07	2.83

RoHS Compliant ● Non-compliant ◀ ++ Limited stock - RoHS replacement available

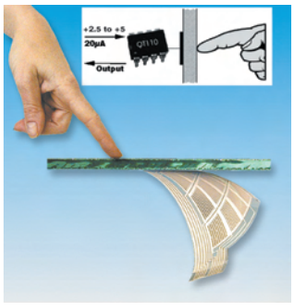
C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1568 Date: 22-08-06 time: 03:07

Special Function ICs

QProx™ Charge-Transfer Capacitance Sensor ICs

QUANTUM RESEARCH GROUP



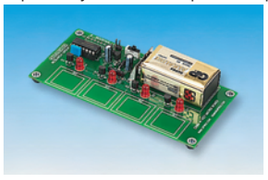
This is a proximity sensing technology utilising the minute changes in capacitance when a target sensing area is approached.
The technology allows for touch or proximity sensing through almost any dielectric which offers an almost limitless number of applications where normal mechanical switches are used. The range of devices includes variants which have enhanced properties, such as matrix sensors in which keyboards may be fabricated behind sealed glass or perspex, level sensors to detect the presence of liquids, extended range sensing to detect through a dielectric such as glass, plastic, stone or ceramic up to thicknesses of 5cm or more.

Features:
- Less expensive than many mechanical switches
- Touch or proximity sensing through any dielectric
- 100% autocal for life - no adjustments required
- QT11x series features 2.5V to 5V, low current single supply operation
- Active high or active low output variants
- Turn metal-bearing objects into intrinsic sensors

Applications:
- Pushbutton replacement
- Machine controls
- Lighting controls
- Moisture detection
- Level sensing
- Security sensing
- Robotic touch sensors
- Vandal resistant controls

E604

Evaluation board for the QT60040 4-key matrix sensor IC.
The QT60040 IC lets the user create a 4-key touch control matrix through any dielectric surface. Uses include appliance controls and consumer products. This single-chip solution requires only one external capacitor to operate.

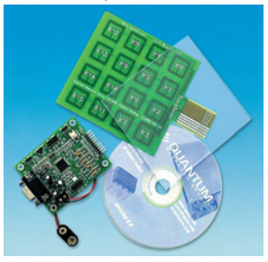


Features include:
- Four sensor pads with LED status
- Output interface connection
- Jumpers for calibration and rollover function
- On-board 5V regulator

E604 Order Code 362-6040

E616

Evaluation board for the QT60161 QMatrix™ ICs
The QT60161 lets you create a 16-key touch matrix that works through glass, plastic, or any other dielectric panel, for instrumentation, appliance controls, and consumer products.

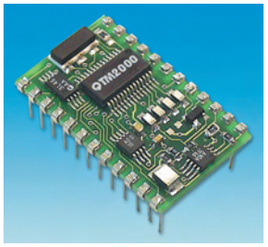


Features include:
- Bi-directional RS-232 serial connection for function set up via PC and data viewing
- Sample 16-key (4x4) matrix panel plus all cables
- QmBtn (tm) PC software for Win 95/98/NT/2000/XP included
- User-adjustable gain and threshold settings, key-by-key
- Create up to 16-key through-glass sensor matrix
- 4 interfaces: UART Mode, SPI Slave Mode, SPI Master/Slave Mode, Parallel Port Mode
- 8 - 20 volt single supply operation
- 9V battery included
- Includes all schematics and board artwork plots

E616 Order Code 426-9860

QTM2000

QTM2000 is a ready-to-use 24-pin DIP module employing the feature-rich QT9701B2 IC. Used for long-range sensing of proximity for machine control and human sensing, also for continuous fluid level sensing, laboratory experimentation. This module will turn common objects and surfaces into proximity sensors when you embed a wire or metal foil into or behind the surface.

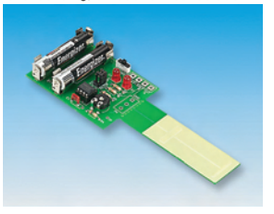


Features include:
- Full duplex PC serial interface
- Two position gain jumper selector
- Analogue output port
- Setup and calibration data held in EEPROM
- SPI and UART ports
- 5V DC operation

QTM2000 Order Code 426-9822

E114

Evaluation board for the QT114 QLevel™ sensing ICs.
The QT114 allows the user to sense the fluid level of water between two points for High/Low level sensing, an economical solution with no moving parts.



Features include:
- Built-in level probe with two tiers for Hi/Low limit sensing
- Dual CMOS outputs, one per level
- Suitable for most aqueous liquids
- Dual LEDs for level sensing indication
- Trimpot to allow for fine level trimming
- Active high or low output jumper selection
- 'Slosh' filter mode is jumper selectable
- 3V supply

E114 Order Code 362-6015

E160

Evaluation board for the 6-key QT160 QTouchTM IC
The QT160 works with up to 6 touch control pads that sense through glass, plastic, or any other dielectric panel, for instrumentation, appliance controls, and consumer products.



Features include:
- Toggle Mode selector switch
- 10s, 60s and Infinite Time-out selector switch
- Connections for external power supply. 8V-15V DC operation
- AKS™ Adjacent key suppression to allow tight key spacings
- LED backlit key operation
- 9V battery included

E160 Order Code 426-9858

E3B

E3B is a self contained evaluation board for use with the QT310 and QT320 QTouchTM ICs
The QT310 is single-channel sensor suitable for touch and point-level sensing applications.The QT320 is a dual-channel sensor IC suitable for creating 2 touch buttons behind glass or plastic.



Features include:
- On-board LED status indicators
- Connector for the QTM300CA cloning adaptor

The E3B board also includes:
- 1xQT320-D chip (installed)
- 1xT310-D chip
- 2xAAA batteries

E3B Order Code 426-9846

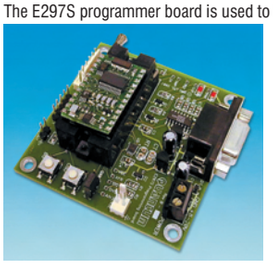
Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1569 Date: 22-08-06 time: 03:08

E297S Programmer Board

The E297S programmer board is used to load setups into the QTM2000 from a PC.



Includes:

- ZIF socket for progamming of QTM2000 from a PC
- QTWinView programming software
- Bi-directional RS-232 serial connection for function set up via PC and data viewing
- When a QTM2000 is inserted, it also becomes a fully functional sensor board for testing purposes

E297S **Order Code 426-9883**

QTM300CA

The QTM300CA cloning adapter is useful for uploading user-definable setups from a PC to QT310 and QT320 ICs.
An on-board EEPROM allows stand-alone cloning after setups have been downloaded from PC



The QTM300CA includes:

- RS-232 serial cable for connecting to PC
- 9V battery
- Adapter to plug directly into the header strip of an E3B eval board
- CD Rom with QT3View software for Win 98/NT/2000/XP (or download latest from the website)

QTM300CA **Order Code 428-0179**

228798

	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	+
110	8/DIL	Charge Transfer touch Sensor, auto calibration, piezo sounder feedback, pulse or toggle O/P, 2.5V to 5.0V operation @ 20µA	QT110-DG	977-5722●	5.52	4.75	– –
110	8/SOIC	SMD version of the QT110, -40 to +85°C	QT110-ISG	SMD 977-5889●	5.52	4.75	– –
111	8/DIL	Charge Transfer touch Sensor with longer recalibration period than QT110, used for continuous touch applications, piezo sounder feedback, pulse or toggle O/P	QT111-D	362-5837▲‡	6.90	5.94	– –
111	8/DIL	Charge Transfer touch Sensor with longer recalibration period than QT110, used for continuous touch applications, piezo sounder feedback, pulse or toggle O/P	QT111-DG	977-5730●	6.90	5.94	– –
111	8/SOIC	SMD version of the QT111, -40 to +85°C	QT111-ISG	SMD 977-5897●	5.52	4.75	– –
113	8/DIL	Charge Transfer touch Sensor with variable gain and a faster response time, the much higher sensitivity allows detection through thicker panels	QT113-DG	977-5749●	5.52	4.75	– –
113	8/SOIC	SMD version of the QT113, -40 to +85°C	QT113-ISG	SMD 977-5900●	5.52	4.75	– –
114	8/DIL	Charge Transfer Level sensor with two trip points and "slosh" filter to suppress liquid motion	QT114-DG	977-5757●	6.90	5.94	– –
114	8/SOIC	SMD version of the QT114, -40 to +85°C	QT114-ISG	SMD 977-5781●	6.90	5.94	– –
115	8/DIL	Charge Transfer touch Sensor, variable gain and "daisy-chain" facility which enables multiple devices to be synchronised together, fast response time and high sensitivity	QT115-D	362-5862▲‡	6.90	5.94	– –
115	8/DIL	Charge Transfer touch Sensor, variable gain and "daisy-chain" facility which enables multiple devices to be synchronised together, fast response time and high sensitivity	QT115-DG	977-5765●	6.90	5.94	– –
1115	8/SOIC	SMD version of the QT115, -40 to +85°C	QT115-ISG	SMD 977-5919●	5.52	4.75	– –
118	8/DIL	Charge Transfer touch Sensor, variable gain with piezo beeper drive, toggle & pulse output mode.	QT118H-DG	977-5927●	5.52	4.75	– –
118	8/SOIC	SMD version of the QT118, -40 to +85°C	QT118H-ISG	SMD 977-5935●	5.52	4.75	– –
11	—	Evaluation board for the E110/E111/E113 Touch Sensor ICs.	E11X	428-0180	43.01	– –	– –
140	28/DIL	Charge Transfer touch Sensor, Four channels, 4v to 5v operation	QT140-D	426-9743▲‡	8.07	6.95	– –
140	28/DIL	Charge Transfer touch Sensor, Four channels, 4v to 5v operation	QT140-DG	977-5803●	8.07	6.95	– –
140	28/SSOP	SMD Charge Transfer touch Sensor, Four channels, 4v to 5v operation, -40 to +85°C	QT140-ASG	SMD 977-5811●	8.07	6.95	– –
150	28/DIL	Charge Transfer touch Sensor, Five channels, 4v to 5v operation	QT150-D	426-9767▲‡	9.18	7.90	– –
150	28/DIL	Charge Transfer touch Sensor, Five channels, 4v to 5v operation	QT150-DG	977-5820●	9.18	7.90	– –
150	28/SSOP	SMD Charge Transfer touch Sensor, Five channels, 4v to 5v operation, -40 to +85°C	QT150-AS	SMD 426-9779▲‡	9.18	7.90	– –
150	28/SSOP	SMD Charge Transfer touch Sensor, Five channels, 4v to 5v operation, -40 to +85°C	QT150-ASG	SMD 977-5838●	9.18	7.90	– –
160	28/DIL	Charge Transfer touch Sensor, Six channels, 4v to 5v operation	QT160-DG	977-5846●	10.76	9.27	– –
160	28/SSOP	QProx Charge Transfer touch sensor with 6 channels of sensing, high sensitivity, permits backlighting. Includes AKS™ Adjacent Key Suppression, toggle mode, various timeouts.	QT160-AS	SMD 426-9792▲‡	10.76	9.27	– –
160	28/SSOP	QProx Charge Transfer touch sensor with 6 channels of sensing, high sensitivity, permits backlighting. Includes AKS™ Adjacent Key Suppression, toggle mode, various timeouts.	QT160-ASG	SMD 977-5854●	10.76	9.27	– –
—	—	Evaluation board for the QT140/150/160 sensor IC with 6 backlighted keys	E160	121-7210●	156.35	– –	– –
300	8/DIL	Charge Transfer touch Sensor with SPI serial port for continuous signal measurement	QT300-D	362-5874▲	10.76	9.27	– –
300	8/SOIC	SMD version of the QT300	QT300-ISG	SMD 120-8553●	11.33	8.50	7.29
E3A	—	The E3A evaluation board is designed for evaluating the QT300 device. The QT300 can be evaluated using the E3A in combination with the QTM300CA cloning adapter.	E3A	121-7209●	185.51	– –	– –
310	8/SOIC	SMD version of the QT310	QT310-ISG	SMD 120-8551●	5.53	4.13	3.55
320	8/SOIC	SMD version of the QT320	QT320-ISG	SMD 120-8552●	7.19	5.40	4.59
—	—	Evaluation board for the QT310 and QT320.	E3B	121-8892●	43.15	– –	– –
60040	14/SOIC	SMD version of the QT60040	QT60040-S	SMD 362-5977▲‡	8.07	6.95	– –
60040	14/SOIC	SMD version of the QT60040	QT60040-ISG	SMD 977-5790●	8.07	6.95	– –
60161	44/TQFP	QMatrixTM touch sensor to create 16 keys through any dielectric, SPI, UART and Parallel interface, AKS™ Adjacent key supression, individual sensitivity setting of each key, panel thicknesses of upto 5cm	QT60161B-ASG	SMD 977-5862●	20.22	17.40	– –
60326	44/TQFP	QMatrixTM touch sensor to create 16 keys through any dielectric, SPI, UART and Parallel interface, AKS™ Adjacent key supression, individual sensitivity setting of each key, panel thicknesses of upto 5cm	QT60326-ASG	SMD 977-5870●	26.15	21.90	– –
—	—	Evaluation board for the QT60161 IC with serial PC interface, includes sample 4x4 matrix panel, cables, QmBtn software for windows 95/98/NT	E616	121-7211●	368.19	– –	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1570 Date: 22-08-06 time: 03:08

E1080 Evaluation Kit

QUANTUM RESEARCH GROUP



NEW

The E1080 Evaluation Kit is for evaluation and development of the QT1080 8 Key QTouch™ IC. The kit has 8 touch sensitive electrodes with corresponding LEDs to indicate touch. The E1080 is powered by an external 7V to 12V DC source (i.e. a 9V battery) and has connections provided for external interfacing.
The E1080 is a stand-alone module which allows easy acces to the functions, features and options which the QT1080 provides. It allows the user to investigate the settings for applications before commiting to custom PCB design.

Kit Includes:

- 1 x E1080 Evaluation Board
- 1 x 9V battery
- 2 x Sample QT1080-ISG chips (32QFN package)
- 2 x Sample QT1080-IS48G chips (48SSOP package)
- 1 x User guide

423033

E1080 **Order Code 109-9142**

E510 Evaluation Kit

QUANTUM RESEARCH GROUP



NEW

The E510 Evaluation Kit is designed for the evaluation of the QT510-based QWheels™ Rotary slider. It includes a fully assembled slider evaluation board, user panel, cables and software. The E510 has a serial interface allowing connection to a PC for control and data viewing. A USB to SPI adapter and PC software are provided.

Kit Includes:

- 1 x White plastic user panel
- 1 x E510 evaluation board with self-adhesive on one side
- 4 x Rubber feet
- 1 x USB-PC cable
- 1 x USB-SPI adapter with USB-SPI cable to the E510
- 1 x SPI cable for user connection to a microcontroller
- 2 x Sample QT510 ICs
- 1 x CD-ROM with QSlide™ software and USB drivers
- 1 x User Guide

423035

E510 **Order Code 109-9144**

E6248 Evaluation Kit

QUANTUM RESEARCH GROUP



NEW

The E6248 Evaluation Kit is designed for the evaluation and develpment of the QT60248 and QT60168-based behind-the-panel touch matrix circuits. All the required circuitry and materials are included to make a fully-functioning, 24 key matrix touch control. The board has a virtual RS232 serial interface via the USB port that allows connection to a PC for function setup and data viewing. In 'Standalone Board Mode' a 24 key matrix panel is integrated into the E6248 together with LED key indicators. A PC running Windows 2000, XP or upwards, with a free USB socket is required.
A 14-pin header allows connection to an external power matrix if required. The board is operated by connection to a live USB socket.

Kit Includes:

- 1x E6248 eval board
- 1x USB cable
- 1x SPI cable for direct connection to the QT60248
- 1x CD-ROM with software and drivers
- 1x User guide
- 2x QT60248 samples

423037

E6248 **Order Code 109-9145**

Touch Sensors, Matrix Chips & Sliders

NEW

QUANTUM RESEARCH GROUP

423039

Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
20	SSOP	2 Key QTouch Sensor IC	QT220-ISSG	SMD 109-9134	9.08	7.84	6.93
20	SSOP	4 Key QTouch Sensor IC	QT240-ISSG	SMD 109-9135	9.34	8.17	7.29
–	–	Evaluation Board for the QT220 (2 Key) & QT240 (4 Key) Touch Sensors	E240B	109-9141	65.30	– –	– –
14	TSSOP	QSlide Touch Sensor IC	QT411-ISSG	SMD 109-9149	21.78	11.78	9.99
14	TSSOP	QWheel Touch Sensor IC	QT511-ISSG	SMD 109-9150	21.78	14.09	11.98
32	QFN	8 Key QTouch Sensor IC	QT1080-ISG	SMD 109-9136	8.17	7.00	6.41
–	–	Evaluation Board for the QT1080 (8 Key) Touch Sensor	E1080	109-9142	108.85	– –	– –
48	SSOP	10 Key QTouch Sensor IC	QT1100A-ISG	SMD 109-9138	11.69	10.55	9.57
–	–	Evaluation Board for the QT1100A (10 Key) Touch Sensor	E1100	109-9143	172.29	– –	– –
32	QFN	10 Key QTouch Sensor IC	QT1101-ISG	SMD 109-9137	9.31	8.01	7.36
32	TQFP	16 Key QMatrix IC	QT60168-ASG	SMD 109-9146	10.38	8.66	7.62
32	TQFP	24 Key QMatrix IC	QT60248-ASG	SMD 109-9147	13.05	10.90	9.60
–	–	Evaluation Board for the QT60168 (16 Key) & QT60248 (24 Key) Matrix Chips	E6248	109-9145	335.53	– –	– –
44	TQFP	48 Key QMatrix IC	QT60486-ASG	SMD 109-9148	19.60	16.34	15.07

Adjustable Grips

INSULATED TOOLS

BS60900



The base tool is manufactured by Diamalloy.

TEE31X/222856

Mftrs. List No.	Order Code	Price Each 1+	4+	20+	40+
IT/HL112	108-044	130.80	117.69	111.18	104.64



Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

228413

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1	ADI	38	DIL	Programmable, Isolated Voltage to Current converter	1B22AN	318-1960▲	202.10	168.42	134.73	– –	– –
1	ADI	28	DIL	Wide Bandwidth Strain Guage Signal Conditioner	1B31AN	318-1972▲	436.31	– –	– –	– –	– –
100	ZET	8	SOIC	Security Siren Driver Circuit	ZSD100N8.	SMD 789-276▲	4.06	3.04	2.03	1.62	– –
100	ZET	8	SOIC	Security Siren Driver Circuit	ZSD100N8	SMD 113-2790●	4.06	3.04	2.03	1.62	– –
101	BB	8	DIL	Integrated Photodiode and Single-Supply Amp	OPT101P	558-965	10.75	8.23	6.82	6.08	– –
139	TI	5	SOP	High Side Current Shunt Monitor	INA139NA/250G4	SMD 120-6901●	4.84	3.70	2.73	2.36	– –
150	TI	12	SOP	OP AMP, Isolation, Dual Data	ISO150AUG4	SMD 120-6917●	26.45	22.10	19.60	17.63	– –
169	TI	5	SOP	High Side Current Shunt Monitor	INA169NA/250	SMD 120-6908●	5.50	4.21	3.21	2.83	– –
170	TI	8	VSSOP	Current Shunt Monitor	INA170EA	SMD 121-2420●	4.39	3.65	3.09	– –	– –
170	TI	8	VSSOP	Current Shunt Monitor	INA170EA.	SMD 846-7102	5.64	4.32	3.30	2.90	– –
202	ADI	14	SOIC	+/-2g Dual Axis Accelerometers with digital output	ADXL202JQC-1	SMD 360-8049▲	36.66	30.55	24.44	– –	– –
420	TI	16	PDIP	Current Loop Receiver, 4-20mA	RCV420JP	121-2342●	13.88	10.62	8.80	7.85	– –
420	TI	16	PDIP	Current Loop Receiver, 4-20mA	RCV420JP..	843-5057	14.57	11.15	9.24	8.24	– –
598	ADI	20	DIL	LVDT Signal Conditioner. Linearity 0.05%. Drift 50PPM/°C. Single Chip Solution DC O/P Proportional to LVDT position. 20Hz to 20kHz Freq. Range. (Cerdip)	AD598AD	318-2277▲	97.54	81.29	65.03	– –	– –
1009	ZET	3	SOT-23	High-side Current Monitor	ZXCT1009F	SMD 113-2757●	1.95	1.46	0.98	0.78	– –
1009	ZET	3	SOT-23	High-side Current Monitor	ZXCT1009F.	SMD 384-7871	2.17	1.63	1.08	0.87	– –
1010	ZET	5	SOT23-5	Enhanced High-side Current Monitor	ZXCT1010E5	SMD 113-2758●	2.76	2.07	1.38	1.10	– –
1010	ZET	3	SOT-23	Enhanced High-side Current Monitor	ZXCT1010E5.	SMD 384-7883	2.74	2.06	1.37	1.10	– –
1043	LT	18	DIL	Dual precision Capacitor Building Block	LTC1043CN	NEW 476-7469▲	9.72	8.28	7.08	– –	– –

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1043	LT	18	DIL	Dual precision Capacitor Building Block	LTC1043CN#PBF	956-0726●	10.01	6.41	5.22	– –	– –
1232	MCHIP	8	SOIC	Monitor, Microprocessor	TC1232COA	SMD 119-6813●	2.41	1.61	1.44	– –	– –
1232	MCHIP	8	DIL	Monitor, Microprocessor	TC1232CPA	119-6814●	2.41	1.61	1.44	– –	– –
1232	MCHIP	8	SOIC	IC-SM Monitor, Microprocessor.	TC1232EOA	SMD 976-2558●	2.21	1.61	1.44	– –	– –
1815	NSC	14	DIL	Adaptive sense Amp. for motor control applications	LM1815N.	704-519‡	6.84	5.16	3.87	– –	– –
1815	NSC	14	DIL	Adaptive sense Amp. for motor control applications	LM1815N	949-3913●	6.84	5.16	3.87	– –	– –
2101	TI	24	SOIC	Dual Switched Integrator	ACF2101BUE4	SMD 120-6857●	45.60	39.60	36.08	33.84	– –
2409	MAX			DS2409P MicroLAN coupler for networking	DS2409P+	118-7932●	8.54	6.71	5.38	– –	– –
2425	TI	8	SOIC	Virtual Ground Reference	TLE2425CD	SMD 845-4795●	2.79	2.13	1.57	1.36	– –
2426	TI	3	LP	Virtual Ground Reference	TLE2426CLPE3	SMD 120-7287●	2.54	1.94	1.43	1.24	– –
2426	TI	3	LP	Virtual Ground Reference	TLE2426ILP	SMD 121-2372●	2.54	1.94	1.43	1.24	– –
2426	TI	8	SOIC	Virtual Ground Reference	TLE2426CD	SMD 845-4809●	2.54	1.94	1.43	1.24	– –
2426	TI	8	PDIP	Virtual Ground Reference	TLE2426CP	845-4825●	2.54	1.94	1.43	1.24	– –
2426	TI	8	SOIC	Virtual Ground Reference	TLE2426ID	SMD 845-4833●	2.54	1.94	1.43	1.24	– –
2426	TI	3	LP	Virtual Ground Reference	TLE2426ILP.	SMD 845-4841	2.59	2.12	1.67	1.16	– –
2426	TI	8	PDIP	Virtual Ground Reference	TLE2426IP	845-4850●	2.54	1.94	1.43	1.24	– –
3308	ADI	20	TSSOP	Low Voltage 1.15 - 5V, 8-Channel Bidirectional Logic Level Translator	ADG3308BRUZ	SMD 945-3083●	5.35	4.46	3.56	– –	– –
5113	CAT	8	SOIC	100-Tap Digitally Programmable Potentiometer (DPP)	CAT5113V-10	SMD 880-3188●	5.89	4.98	4.19	– –	– –
5114	CAT	8	SOIC	32-Tap Digitally Programmable Potentiometer (DPP)	CAT5114V-10	SMD 880-3170●	4.17	3.55	2.98	– –	– –
5358	ALEG	16	DIL	Photoelectric Smoke Detector with interconnect and timer	A5358CA-T	119-3496●	7.81	6.51	5.60	4.95	– –
5520	ADI	64	LQFP	Per Pin Parametric Measurement Unit/Source Measure Unit	AD5520JST	SMD 839-7090▲	56.31	45.03	37.53	– –	– –
7232	LSI	8	DIL	Touch Control Dimmer Switch and A.C. Motor Speed Controller	LS7232	121-9012●	10.21	8.66	7.80	– –	– –
7534	LSI	8	DIL	Continuous Dimmer Light Switch with separate Up/Down controls.	LS7534.	NEW 703-280	10.91	8.18	7.05	– –	– –
7534	LSI	8	DIL	Continuous Dimmer Light Switch with separate Up/Down controls.	LS7534	121-9015●	10.91	8.18	7.05	– –	– –
8038	EXAR	14	DIL	Precision Waveform Generator	XR8038ACP	120-9617	19.14	16.01	12.17	7.81	– –
8575	TI	24	TSSOP	Remote 16-Bit I2C and SMBus I/O Expander with Interrupt Output.	PCF8575PWE4	SMD 105-3546●	4.40	3.37	2.48	2.14	– –
8575	TI	24	TSSOP	Remote 16-Bit I2C and SMBus I/O Expander with Interrupt Output.	PCF8575CPW	SMD 105-3558●	4.40	3.37	2.48	2.14	– –
8575	TI	24	SOIC	Remote 16-Bit I2C and SMBus I/O Expander with Interrupt Output.	PCF8575CDWE4	SMD 105-3562●	4.40	3.37	2.48	2.14	– –
8575	TI	24	SSOP	Remote 16-Bit I2C and SMBus I/O Expander with Interrupt Output.	PCF8575CDBE4	SMD 105-3571●	4.40	3.37	2.48	2.14	– –
9241	SLX	8	SOIC	Single-Ended Bus Driver	SI9241EY	SMD 107-7083●	2.81	2.64	2.41	2.27	– –
41010	MCHIP	8	SOIC	IC-SM Potentiometer, 10K Single Digital with SPI Interface	MCP41010-I/SN	SMD 975-8607●	3.42	2.08	2.08	– –	– –
42010	MCHIP	14	DIL	IC Potentiometer, 10K Dual Digital with SPI Interface	MCP42010-I/P	975-8615●	5.10	3.09	3.09	– –	– –
65220	TI	6	SOP	USB Port Suppressor	SN65220DBVT	SMD 845-1990●	1.64	1.31	1.05	0.71	– –
65240	TI	8	TSSOP	USB Port Suppressor, Dual	SN65240PWG4	SMD 120-7266●	1.94	1.54	1.21	0.84	– –
65240	TI	8	PDIP	USB Port Suppressor, Dual	SN65240P	845-2008●	1.94	1.54	1.21	0.84	– –

Capacitance to Digital Converters

NEW

ANALOG DEVICES

422928

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
7745	16	TSSOP	24-bit, 1-Channel Capacitance to Digital Converter	AD7745ARUZ	SMD 107-8333●	13.50	12.63	9.60
7746	16	TSSOP	24-bit, 2-Channel Capacitance to Digital Converter	AD7746ARUZ	SMD 107-8332●	14.67	13.59	10.41

Logic Level Translators

NEW

ANALOG DEVICES

422929

	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+
3300	20	TSSOP	Low Voltage 1.15 V to 5.5 V, 8-Channel, Bidirectional Logic Level Translator	ADG3300BRUZ	SMD 107-8229●	5.35	4.46	3.56
3304	14	TSSOP	Low Voltage 1.15 V to 5.5 V, 4-Channel, Bidirectional Logic Level Translator	ADG3304BRUZ	SMD 107-8228●	3.19	2.66	2.12
3308	20	TSSOP	Low Voltage 1.15 - 5V, 8-Channel Bidirectional Logic Level Translator	ADG3308BRUZ	SMD 945-3083●	5.35	4.46	3.56

Touch Memory/ID

MAXIM DALLAS SEMICONDUCTOR

210454

		Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+
1973	Button	4Kbit EEprom iButton with unique 48-bit serial number, 8-bit CRC and 8-bit family code. (F5MICROCAN)	DS1973+F5	972-5300●	11.03	8.67	6.94	– –
1982	Button	1Kbit Add-Only Memory with unique 48-bit serial number, 8-bit CRC and 8-bit family code. 1K-bit EPROM is user programable, partitioned into four 256-bit pages, each can be permanently write-protected. (F5MICROCAN)	DS1982+F5	972-4788●	7.27	5.71	4.58	– –
1990	Button	Touch Memory button with unique 48-bit serial number, 8-bit family code, 8-bit CRC tester (IND TEMP)	DS1990A-F5	790-461▲	8.13	6.39	5.12	– –
1992	Button	Touch Memory button with serial number and internal 128 bytes of Non-Volatile RAM organized in 4 areas of 32 bytes each and a scratchpad of 32 bytes	DS1992L-F5	796-086▲‡	14.66	11.52	9.23	– –
1992	Button	Touch Memory button with serial number and internal 128 bytes of Non-Volatile RAM organized in 4 areas of 32 bytes each and a scratchpad of 32 bytes	DS1992L+F5	972-6497●	14.66	11.52	9.23	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1572 Date: 22-08-06 time: 03:10

		Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+
1994	Button	Touch Memory button with serial number and four times the storage capacity of the DS1992. Additionally contains a Real Time Clock, interval timer, cycle counter, and alarm features for counters	DS1994L-F5	796-098▲	37.49	29.72	23.79	– –
2401	3 / TO-92	Silicon serial number, 64-bit ROM includes unique 48-bit serial number, 8-bit CRC and 8-bit Family Code. Data transferred serially via 1-Wire protocol	DS2401	670-730▲‡	5.34	4.20	3.36	– –
2401	3 / TO-92	Silicon serial number, 64-bit ROM includes unique 48-bit serial number, 8-bit CRC and 8-bit Family Code. Data transferred serially via 1-Wire protocol	DS2401+	972-6187●	3.41	2.68	2.15	– –
2401	6 / TSOC	Silicon serial number, 64-bit ROM includes unique 48-bit serial number, 8-bit CRC and 8-bit Family Code. Data transferred serially via 1-Wire protocol	DS2401P+	SMD 972-5318●	3.70	2.90	2.33	– –
2401	4 / SOT-223	Silicon serial number, 64-bit ROM includes unique 48-bit serial number, 8-bit CRC and 8-bit Family Code. Data transferred serially via 1-Wire protocol	DS2401Z	SMD 670-741▲‡	10.31	8.11	6.49	– –
2401	4 / SOT-223	Silicon serial number, 64-bit ROM includes unique 48-bit serial number, 8-bit CRC and 8-bit Family Code. Data transferred serially via 1-Wire protocol	DS2401Z+	SMD 972-6195●	4.17	3.28	2.63	– –
2405	3 / TO-92	Addressable Switch for assigning electronically readable identification to a particular node controlled by open drain N-channel MOSFET switched by matching 64-bit registration number	DS2405+	118-8025●	4.22	3.32	2.66	– –
2502	3 / TO-92	1K-bit Add-Only Memory consists of registration number with unique 48-bit serial number, 8-bit CRC and 8-bit Family Code. 1K-bit EPROM is user programmable.	DS2502+	118-8026●	6.93	5.44	4.36	– –
9092	2 /	Touch Memory Probe to provide data transfer to and from Touch Memory button	DS9092+	972-6438●	21.71	17.06	13.54	– –
9093	/	MicroCan holder for the Touch Memory button - Black	DS9093A	315-3320▲	2.52	1.92	1.30	– –
9093	/	MicroCan holder for the Touch Memory button - Blue	DS9093AB	315-3332▲	2.63	2.01	1.36	– –
9093	/	MicroCan holder for the Touch Memory button - Green	DS9093AG	315-3344▲	3.13	2.39	1.62	– –
9093	/	MicroCan holder for the Touch Memory button - Red	DS9093AR	315-3356▲	2.87	2.20	1.49	– –
9094	/	MixroCan holder for the Touch Memory button	DS9094F/NO-BRAND	490-4643▲	6.90	5.28	3.58	– –

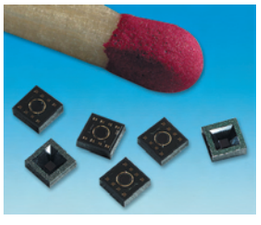
Speech Synthesis ICs

210490

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
1420	ISD	28	DIL	Single-chip voice record/playback device - 20 seconds duration	ISD1420PY	120-9605●	27.99	23.50	21.12
2532	ISD	28	DIL	Single-chip voice record/playback device - 32 seconds duration	ISD2532PY	120-9606●	31.35	25.75	21.22
2540	ISD	28	DIL	Single-chip voice record/playback device - 40 seconds duration	ISD2540PY	120-9608●	31.35	25.75	21.22
2548	ISD	28	DIL	Single-chip voice record/playback device - 48 seconds duration	ISD2548PY	120-9609●	31.35	25.75	21.22
2560	ISD	28	DIL	Single-chip voice record/playback device - 60 seconds duration	ISD2560PY	120-9610●	48.37	40.13	32.45
2590	ISD	28	DIL	Single-chip voice record/playback device - 90 seconds duration	ISD2590PY	120-9611●	44.43	35.48	26.37

Silicon Microphone

KNOWLES ACOUSTICS



Sisonic is the world's first commercially available Surface Mountable microphone made from micro-machined silicon. It can withstand re-flow solder conditions and incorporates 10pF and 33pF capacitors for GSM and DECT RFI protection.

Typical applications include:
- Cellular phones
- Corded and cordless telephones
- PCs, PC tablets, laptops
- PDAs, MP3 players
- Automotive and automotive accessories
- General electronics

Features:
- No off-line soldering or insertion
- Compatible with surface-mount soldering process using standard automated Pick-n-Place equipment
- Lead free
- Package is only 1.6 mm high
- Highly shock resistant
- Very low sensitivity to external vibration
- Will operate at 100°C
- Flat response from 100 Hz to 10 kHz

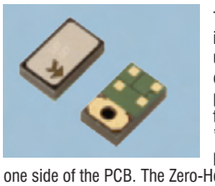
Directivity:	Omni-Directional	Current:	0.5mA at 5Vdc
Frequency Range:	100Hz - 10kHz	Electrical Connections:	+ve, -ve and output
Sensitivity:	-42 dB (0dB = 1V/Pa @ 1kHz)	Dimensions (WxHxD):	6.15 x 1.6 x 3.75mm
Max input Sound Level:	120dB SPL for 10% distortion	Operating Temperature:	-40°C to 100°C
Typical internal noise:	35dBA SPL	Storage Temperature:	-40°C to 100°C

338965

Pins	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	1K+	+
4	SP0102NC3	SMD 476-3427●	12.30	10.74	8.95	7.91	– –
4	SP0103NC3	SMD 476-3439●	14.06	12.37	10.29	9.08	– –

Zero-Height™ Silicon Microphone

KNOWLES ACOUSTICS



NEW

The Zero-Height™ silicon microphone is an expansion of the SiSonic™ product line. This was the worlds first range of surface mounted silicon microphones. The zero-height device now allows the microphone to be mounted under the PCB and therefore achieves virtual 'zero-height'. This devices is particularly suitable for mobile phones or other products where there is very little room to one side of the PCB. The Zero-Height device also has a solder connection between the PCB and the microphone, giving an acoustic seal around the port hole. This means a reduction in design cost, due to the simplicity of the mechanical and acoustic design.
The image below shows how the Zero-Height SMD microphone fits onto the PCB. The Standard Mount figure shows a standard top-mounting configuration. The Zero Height figure shows the microphone mounted on the opposite side of the board and ported through the PCB, meaning if will fit into a much more compact space.



Features:
- Total harmonic distortion of less than 1% at 100 dB SPL
- Nominal sensitivity of -42dB at 1kHz
- Supply voltage range of 1.5V to 5V
- Integrated EMI/RFI protection
- Rated up to 100°C

	SP0102BE3	SP0103BE3
Directivity:	Omni-directional	Omni-directional
Frequency Range:	100Hz to 10kHz	100Hz to 10kHz
Sensitivity:	-42 dB (0dB = 1V/Pa @ 1kHz)	-22 dB (0dB = 1V/Pa @ 1kHz)
Maximum Input Sound Level:	115dB SPL for 10% distortion	115dB SPL for 10% distortion
Supply Current (Max):	0.250mA	0.350mA
Supply Voltage:	1.5V to 5.5V	1.5V to 5.5V
Electrical Connections	+ve, -ve and output	+ve, -ve and output
Dimensions (WxHxD):	6.15 x 1.75 x 3.75mm	6.15 x 1.75 x 3.75mm
Operating Temperature:	-40°C to 100°C	-40°C to 100°C
Storage Temperature:	-40°C to 100°C	-40°C to 100°C

383316

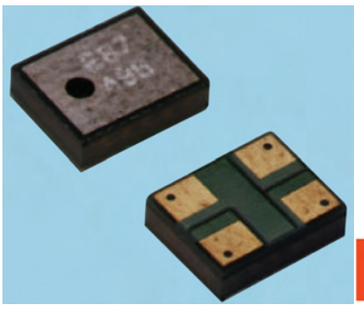
Pins	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	1K+	+
4	SP0102BE3	SMD 870-8550●	11.91	10.48	8.76	7.71	– –
4	SP0103BE3	SMD 870-8568●	13.70	12.04	10.06	8.85	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1573 Date: 22-08-06 time:03:13

SiSonic™ Silicon Microphone



The SiSonic™ Silicon Microphone is a low-cost, high performance alternative to traditional ECMs. It is a robust microphone which yields a high degree of repeatability, stable acoustic performance, and flexibility for future design enhancements. The SiSonic Microphones incorporate a very small package size without this leading to a lack of performance or the embedding of additional components such as an integrated amplifier.

Features:

- Silicon structure gives high degree of manufacturing repeatability and acoustic performance
- "Free-floating" diaphragm is immune to stress variations that impact acoustic performance
- Low mass and small diaphragm produce excellent vibration sensitivity performance
- Excellent RF and EMI suppression
- Versitile configuration and sound porting options for future microphone enhancements
- Small amount of board space required
- Low profile height
- Pick-and-place via standard automated equipment
- Ideal for Mobile Phones, Laptops, PDA's and other electronic products

	SPM0102ND3	SPM0103ND3
Description:	Mini Standard	Mini Amplified
Directivity:	Omni-directional	Omni-directional
Sensitivity:	-42 (0dB = 1V/Pa @ 1kHz)	-22 (0dB = 1V/Pa @ 1kHz)
SNR:	59 (0dB = 1V/Pa @ 1kHz)	59 (0dB = 1V/Pa @ 1kHz)
Max Impedance:	100Ω	100Ω
Maximum Input Sound Level:	115dB SPL for 10% distortion	115dB SPL for 10% distortion
Supply Current (Max):	0.25mA	0.35mA
Supply Voltage:	1.5V to 5.5V	1.5V to 5.5V
Dimensions (WxHxD):	4.72 x 3.76 x 1.50mm	4.72 x 3.76 x 1.50mm
Operating Temperature:	-40°C to 100°C	-40°C to 100°C
Storage Temperature:	-40°C to 100°C	-40°C to 100°C

415970

Pins	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	500+	+
4	SPM0102ND3	SMD 101-2152 ●	18.98	17.12	15.27	13.87	– –
4	SPM0103ND3	SMD 101-2153 ●	20.90	18.85	16.83	15.27	– –

Temperature Controllers, Sensors and Transducers

224016

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
01	ADI	8	SOIC	Temperature Controller, Low Power Programmable	TMP01FSZ	SMD 107-9393 ●	7.04	5.87	4.69	– –	– –
01	ADI	8	DIL	Low Power, Programmable Temperature Controller	TMP01FPZ	107-9406 ●	7.94	6.62	5.29	– –	– –
18	MAX	3	TO-92	Programmable resolution, One-wire Digital Thermometer (-55°C to +120°C)	DS18B20+	118-7948 ●	9.20	7.23	5.79	– –	– –
18	MAX	3	TO-92	High Precision, One-wire Digital Thermometer (±0.5°C acc. -10°C to +85°C)	DS18S20	333-0060 ▲‡	14.85	11.67	9.34	– –	– –
18	MAX	8	SOIC	High Precision, One-wire Digital Thermometer (±0.5°C acc. -10°C to +85°C)	DS18S20Z	SMD 333-0072 ▲‡	14.85	11.67	9.34	– –	– –
18	MAX	3	TO-92	High Precision, One-wire Digital Thermometer (±0.5°C acc. -10°C to +85°C)	DS18S20+	972-4761 ●	9.20	7.23	5.79	– –	– –
18	MAX	8	SOIC	High Precision, One-wire Digital Thermometer (±0.5°C acc. -10°C to +85°C)	DS18S20Z+	SMD 972-4770 ●	9.87	7.76	6.22	– –	– –
19	NSC	3	TO-92	Precision Temp. Sensor, -11mV/°C output, acc ±2.5°C @ 30°C, -55°C to +130°C	LM19CIZ	948-9649 ●	2.17	1.50	1.09	– –	– –
20	NSC	5	SC70	Precision Centigrade Temp. Sensor, sensor gain -11.7mV/°C, acc. ±2.5°C @ 30°C, -55°C to +130°C	LM20BIM7...	SMD 412-5423‡	2.18	1.52	1.09	– –	– –
20	NSC	5	SC70	Precision Centigrade Temp. Sensor, sensor gain -11.7mV/°C, acc. ±2.5°C @ 30°C, -55°C to +130°C	LM20BIM7	SMD 977-9264 ●	2.18	1.52	1.09	– –	– –
26	NSC	5	SOT-23	Precision digital-output, low-power thermostat with internal reference, DAC, sensor and comparator. 105°C trip, ±3°C Acc.	LM26CIM5-XPA	SMD 119-7403 ●	2.78	1.94	1.38	– –	– –
26	NSC	5	SOT-23	Precision digital-output, low power thermostat with internal reference, DAC, sensor and comparator. 85°C trip, ±3°C Acc.	LM26CIM5-TPA.	SMD 412-5125‡	2.78	1.94	1.38	– –	– –
26	NSC	5	SOT-23	Thermostat, Factory Preset, +- 3°C	LM26CIM5-NPA	SMD 442-6113 ●	2.28	1.92	1.56	– –	– –
26	NSC	5	SOT-23	Precision digital-output, low power thermostat with internal reference, DAC, sensor and comparator. 85°C trip, ±3°C Acc.	LM26CIM5-TPA	SMD 977-9124 ●	2.78	1.94	1.38	– –	– –
32	NSC	8	TSSOP	Dual Thermal Diode Temperature Sensor with SensorPath Bus	LM32CIMT	SMD 818-1780 ●	6.08	4.42	3.31	– –	– –
34	NSC	3	TO-92	Precision Fahrenheit Temp. Sensor, -40°F to +230°F	LM34CZ.	409-042	12.00	8.72	6.54	– –	– –
34	NSC	3	TO-92	Precision Fahrenheit Temp. Sensor, -40°F to +230°F	LM34CAZ.	953-751‡	13.93	10.53	8.24	– –	– –
34	NSC	3	TO-92	Precision Fahrenheit Temp. Sensor, -40°F to +230°F	LM34CZ	121-5187 ●	10.82	8.18	6.40	– –	– –
34	NSC	3	TO-92	Precision Fahrenheit Temp. Sensor, -40°F to +230°F	LM34CAZ	949-4510 ●	13.93	10.53	8.24	– –	– –
35	NSC	3	TO-46	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±0.5°C @25°C, -40°C to +110°C ext. temp	LM35CAH.	409-066 ▲	22.63	18.55	16.00	– –	– –
35	NSC	3	TO-46	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @25°C, 0°C to +100°C	LM35DH.	409-080 ▲	11.18	8.45	6.61	– –	– –
35	NSC	3	TO-46	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±0.5°C @25°C, -40°C to +110°C ext. temp	LM35CAH	121-5189 ●	22.63	18.55	16.00	– –	– –
35	NSC	3	TO-46	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @25°C, 0°C to +100°C	LM35DH	121-6166 ●	11.18	8.45	6.61	– –	– –
35	NSC	3	TO-92	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @25°C, -40°C to +110°C ext. temp	LM35CZ	948-8197 ●	10.33	7.51	5.63	– –	– –
35	NSC	3	TO-92	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @25°C, 0°C to +100°C	LM35DZ	948-8200 ●	3.40	2.41	1.76	– –	– –
35	NSC	8	SOIC	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @25°C, 0°C to +100°C	LM35DM	SMD 949-3930 ●	3.52	2.52	1.84	– –	– –
35	NSC	3	TO-92	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. 0.5°C @25°C, -10°C to +100°C	LM35CAZ	949-4529 ●	10.55	7.97	6.24	– –	– –
40	NSC	14	TSSOP	Hardware Monitor with Dual Thermal Diodes and SensorPath Bus	LM40CIMT	SMD 818-1799 ●	7.70	5.59	4.19	– –	– –
41	NSC	14	TSSOP	Hardware Monitor with Thermal Diode Inputs and SensorPath Bus	LM41CIMT	SMD 818-1594 ●	7.43	5.40	4.05	– –	– –
45	NSC	3	SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±3.0°C @25°C, -40°C to +125°C ext. temp	LM45BIM3.	SMD 953-957‡	3.57	2.50	1.78	– –	– –
45	NSC	3	SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±3.0°C @25°C, -40°C to +125°C ext. temp	LM45CIM3	SMD 977-9310 ●	1.97	1.38	1.00	– –	– –
45	NSC	3	SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±3.0°C @25°C, -40°C to +125°C ext. temp	LM45BIM3	SMD 977-9876 ●	3.09	2.19	1.60	– –	– –
50	NSC	3	SOT-23	Single-Supply Centigrade Temp. Sensor, 10mV/°C output, acc. ±3.0°C @ 25°C, -40°C to 125°C ext. temp	LM50CIM3.	SMD 630-937‡	2.13	1.48	1.08	– –	– –
50	NSC	3	SOT-23	Single-Supply Centigrade Temp. Sensor, 10mV/°C output, acc. ±3.0°C @ 25°C, -40°C to 125°C ext. temp	LM50CIM3	SMD 977-9620 ●	2.13	1.48	1.08	– –	– –
50	NSC	3	SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±2.0°C @25°C, -40°C to +125°C ext. temp	LM50BIM3	SMD 977-9884 ●	3.15	2.23	1.63	– –	– –
56	NSC	8	SOIC	Dual Output Low Power Thermostat, trip point acc. ±3°C	LM56CIM.	SMD 791-787‡	3.27	2.32	1.69	– –	– –
56	NSC	8	MSOP	Dual Output Low Power Thermostat, trip point acc. ±2°C (MSOP)	LM56BIMM.	SMD 315-1153 ▲‡	5.16	3.65	2.66	– –	– –
56	NSC	8	SOIC	Dual Output Low Power Thermostat, trip point acc. ±3°C	LM56CIM	SMD 949-4197 ●	3.27	2.32	1.69	– –	– –
56	NSC	8	SOIC	Dual Output Low Power Thermostat, trip point acc. ±2°C (SOP)	LM56BIM	SMD 949-4227 ●	4.37	3.09	2.26	– –	– –
56	NSC	8	MSOP	Dual Output Low Power Thermostat, trip point acc. ±2°C (MSOP)	LM56BIMM	SMD 977-8489 ●	5.16	3.65	2.66	– –	– –
60	NSC	3	TO-92	Precision Centigrade Temp Sensor, 6.25mV/°C output, acc ±2°C @ 25°C, -40°C to +125°C ext temp	LM60BIZ	948-9657 ●	2.27	1.59	1.13	– –	– –
60	NSC	3	TO-92	Precision Centigrade Temp Sensor, 6.25mV/°C output, acc ±3°C @ 25°C, -40°C to +125°C ext temp	LM60CIZ	948-9665 ●	1.76	1.21	0.88	– –	– –

● Compliant
● ▲ ++ Non-compliant
Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
60	MAX	3	SOT-23	Micro-Centigrade Temperature Sensor, 6.25mV/°C output, acc. +/- 2°C -40°C to 125°C, functionally compatible with LM60	DS60R+	SMD 972-4842	3.04	2.39	1.92	– –	– –
60	NSC	3	SOT-23	Precision Centigrade Temp Sensor, 6.25mV/°C output, acc ±2°C @ 25°C, -40°C to +125°C ext temp	LM60BIM3	SMD 977-9132	2.49	1.74	1.24	– –	– –
60	NSC	3	SOT-23	Precision Centigrade Temp. Sensor, 6.25mV/°C output, acc. ±3.0°C@ 25°C, -40°C to +125°C ext. temp	LM60CIM3	SMD 977-9698	2.11	1.45	1.05	– –	– –
61	NSC	3	SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±2°C @25°C, -30°C to +100°C, +2.7V single supply	LM61BIM3	SMD 119-7387	2.49	1.74	1.24	– –	– –
61	NSC	3	SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±3°C @25°C, -30°C to +100°C, +2.7V single supply	LM61CIM3	SMD 119-7388	2.11	1.45	1.05	– –	– –
64	NSC	24	LLP	+-1°C Remote Diode Temperature Sensor with PWM Fan Control and 5 GPIO's	LM64CILQ-F	SMD 818-1802	6.46	4.85	3.64	– –	– –
70	NSC	8	SOIC	Temp Sensor with 10-bit + sign resolution, SPI and Microwire compatible interface, acc. +3.5°C/-2°C, -55°C to +150°C ext temp	LM70CIMM-5	SMD 977-9230	3.64	2.57	1.88	– –	– –
74	MCHIP	5	SOT-23A	Serial Digital Thermal Sensor (IND TEMP)	TC74A0-5.0VCTTR	SMD 976-2671	2.50	2.18	1.75	– –	– –
75	NSC	8	SOIC	Temp. Sensor with I2C interface, 9-bit Delta-Sigma ADC and digital over-temperature detector, acc. ±2°C @ 25°C, -55°C to 125°C ext. temp., 3V operation	LM75CIM-3.	SMD 703-722	4.00	2.83	2.07	– –	– –
75	MCHIP	8	SOIC	2-wire Serial Temperature Sensor and Thermal Monitor	TCN75-5.0MOA	SMD 121-2686	3.03	1.85	1.85	– –	– –
75	NSC	8	SOIC	Temp. Sensor with I2C interface, 9-bit Delta-Sigma ADC and digital over-temperature detector, acc. ±2°C @ 25°C, -55°C to 125°C ext. temp., 3V operation	LM75CIM-3	SMD 121-5196	4.12	2.92	2.13	– –	– –
75	TI	8	SOIC	Temperature Sensor	TMP75AIDR	SMD 845-5970	3.42	2.62	1.93	1.67	– –
75	NSC	8	SOIC	Temp. Sensor with I2C interface, 9-bit Delta-Sigma ADC and digital over-temperature detector, acc. ±2°C @ 25°C, -55°C to 125°C ext. temp., 5V operation	LM75CIM-5	SMD 949-3867	4.00	2.92	2.13	– –	– –
75	MAX	8	SOIC	2-wire thermal Watchdog, 9/12 bit resolution, 3 address lines, alarm output, -40°C to +125°C,acc. +/-2°C. Pin/software compatible with LM75CIM-x	DS75S+	SMD 972-4850	3.90	3.06	2.45	– –	– –
76	NSC	8	SOIC	Digital temperature sensor with thermal window comparator, serial two-wire interface, cascadeable to four devices on a single bus, Sense range -10°C to +45°C Acc.± 1.0°C	LM76CHM-5.	SMD 360-6399‡	5.60	4.01	2.93	– –	– –
76	NSC	8	SOIC	Digital temperature sensor with thermal window comparator, serial two-wire interface, cascadeable to four devices on a single bus, Sense range -10°C to +45°C Acc.± 1.0°C	LM76CHM-5	SMD 948-6542	5.60	4.01	2.93	– –	– –
77	NSC	8	SOIC	Digital temperature sensor with thermal window comparator, serisl two-wire interface, cascadable to four devices on a single bus, sense range -55°C to +125°C Acc. ±3°C	LM77CIM-3.	SMD 412-5101‡	4.12	2.92	2.13	– –	– –
77	NSC	8	SOIC	Digital temperature sensor with thermal window comparator, serisl two-wire interface, cascadable to four devices on a single bus, sense range -55°C to +125°C Acc. ±3°C	LM77CIM-3	SMD 948-9622	4.12	2.92	2.13	– –	– –
77	NSC	8	SOIC	Digital temperature sensor with thermal window comparator, serial two-wire interface, cascadable to four devices on a single bus, sense range -55°C to + 125°C Acc. ±3°C	LM77CIM-5	SMD 948-9630	4.12	2.92	2.13	– –	– –
92	NSC	8	SOIC	Temp Sensor with I²C interface, 12-bit sign output, acc. ±0.33°C, -55°C to +150°C ext temp	LM92CIM	SMD 948-9711	7.10	5.16	3.87	– –	– –
101	BB	14	DIL	Precision Low Drift 4mA to 20mA Two-Wire Transmitter	XTR101AP.	408-803‡	28.40	23.74	21.05	18.93	– –
101	BB	14	DIL	Precision Low Drift 4mA to 20mA Two-Wire Transmitter	XTR101AP	109-7545	28.40	23.74	21.05	18.93	– –
105	BB	14	SOIC	Current transmitter with sensor excitation and linearisation	XTR105UA	SMD 109-7399	15.64	11.97	9.91	8.84	– –
105	TI	14	SOIC	Current Loop Transmitter	XTR105U	SMD 121-2353	18.28	15.71	13.55	12.19	– –
105	TI	14	SOIC	Current Loop Transmitter	XTR105U.	SMD 844-5478	18.01	15.48	13.35	12.00	– –
110	BB	16	SOIC	Precision Voltage-to-current Converter/Transmitter	XTR110KU.	SMD 594-702‡	22.25	19.12	16.49	14.83	– –
110	BB	16	SOIC	Precision Voltage-to-current Converter/Transmitter	XTR110KU	SMD 109-7554	23.18	19.92	17.18	15.45	– –
115	BB	8	SOIC	Precision 4mA to 20mA Current Transmitter with 2.5Vref sensor excitation. (IND TEMP)	XTR115UA	SMD 109-7503	4.62	3.53	2.70	2.37	– –
115	TI	8	SOIC	Current Loop Transmitter	XTR115U	SMD 121-2354	5.72	4.38	3.34	2.94	– –
115	TI	8	SOIC	Current Loop Transmitter	XTR115U..	SMD 844-5508	5.97	4.57	3.49	3.07	– –
116	BB	8	SOIC	Precision 4mA to 20mA Current Transmitter with 4.096Vref sensor excitation. (IND TEMP)	XTR116UA	SMD 109-7504	4.62	3.53	2.70	2.37	– –
124	TI	8	SOIC	Temperature Sensor	TMP124AID	SMD 845-5953	3.42	2.62	1.93	1.67	– –
125	TI	6	SOT-23	2C Accurate Digital Temperature Sensor with SPI Interface	TMP125AIDBVT	SMD 996-9136	3.91	2.99	2.20	1.90	– –
135	NSC	3	TO-46	Temp. Sensor, -55°C to +150°C, directly calibrated in °Kelvin	LM135H.	409-108	19.43	14.68	11.39	– –	– –
135	NSC	3	TO-46	Temp. Sensor, -55°C to +150°C, directly calibrated in °Kelvin	LM135H	121-6167	19.43	14.68	11.39	– –	– –
141	TI	8	MSOP	Digital Out Temperature Sensor with SensorPath™ Bus	TMP141AIDGKTG4	SMD 996-9144	3.18	2.43	1.79	1.55	– –
175	TI	8	SOIC	Temperature Sensor	TMP175AID	SMD 845-5961	4.15	3.18	2.34	2.02	– –
335	ST	8	SOIC	Temp. Sensor, -40°C to +100°C, directly calibrated in °Kelvin	LM335D.	SMD 409-110	2.63	2.01	1.72	– –	– –
335	NSC	3	TO-46	Temp. Sensor, -40°C to +100°C, directly calibrated in °Kelvin	LM335H.	409-121	11.30	8.22	6.16	– –	– –
335	ST	3	TO-92	Temp. Sensor, -40°C to +100°C, directly calibrated in °Kelvin	LM335Z.	409-145	2.26	1.73	1.48	– –	– –
335	ST	8	SOIC	Temp. Sensor, -40°C to +100°C, directly calibrated in °Kelvin	LM335D	SMD 109-4250	2.63	2.01	1.72	– –	– –
335	ST	3	TO-92	Temp. Sensor, -40°C to +100°C, directly calibrated in °Kelvin	LM335Z	109-4251	2.33	1.79	1.53	– –	– –
335	NSC	3	TO-46	Temp. Sensor, -40°C to +100°C, directly calibrated in °Kelvin	LM335H	121-6169	11.30	8.22	6.16	– –	– –
335	NSC	3	TO-92	Temp. Sensor, -40°C to +100°C, directly calibrated in °Kelvin	LM335Z	948-8219	2.37	1.65	1.18	– –	– –
413	INTS	16	DIL	Quad SPST CMOS Analogue Switch	DG413DJZ	966-3541	3.51	2.34	2.07	1.82	– –
420	BB	16	DIL	Precision 4mA to 20mA Current Loop Receiver, converts to a 0-5V output.	RCV420KP	109-7548	19.75	16.97	14.64	13.16	– –
420	TI	16	DIL	Precision 4mA to 20mA Current Loop Receiver, converts to a 0-5V output.	RCV420KPG4	121-9421	19.75	16.97	14.64	13.16	– –
590	ADI	3	TO-52	Temp. Transducer - acc. ±5°C max., range -55°C to +150°C	AD590JH	409-157	11.01	9.17	7.34	– –	– –
590	ADI	2	Flatpack	Temp. Transducer - acc. ±3°C max., range -55°C to +150°C	AD590JF	SMD 318-2198	30.17	25.14	20.11	– –	– –
590	ADI	2	Flatpack	Temp. Transducer - acc. ±2°C max., range -55°C to +150°C	AD590KF	SMD 318-2204	30.36	25.30	20.24	– –	– –
590	ADI	3	TO-52	Temp. Transducer - acc. ±1.6°C max., range -55°C to +150°C	AD590LH	318-2228	47.49	42.35	34.89	– –	– –
590	ADI	2	Flatpack	Temp. Transducer - acc. ±1°C max., range -55°C to +150°C	AD590MF	SMD 318-2230	134.11	111.76	89.41	– –	– –
590	ADI	3	TO-52	Temp. Transducer - acc. ±1°C max., range -55°C to +150°C	AD590MH	318-2241	88.06	73.39	58.71	– –	– –
592	ADI	3	TO-92	Temp. Transducer - acc. ±0.5°C max., range -25°C to +105°C	AD592CNZ	960-3948	29.64	21.99	16.29	– –	– –
592	ADI	3	TO-92	Temp. Transducer - acc. ±2.5°C max., range -25°C to +105°C	AD592ANZ	960-5428	5.88	4.71	3.93	– –	– –
594	ADI	14	DIL	Monolithic Thermocouple Amp. Calibrated for type J thermocouples (Ceramic) -55°C to +125°C	AD594AQ	409-182	35.15	25.39	17.15	– –	– –
595	ADI	14	DIL	Monolithic Thermocouple Amp. Calibrated for type K thermocouples(Ceramic) -55°C to +125°C	AD595CQ	102-052	42.54	31.47	23.40	– –	– –
595	ADI	14	DIL	Monolithic Thermocouple Amp. Calibrated for type K thermocouples (Ceramic) -55°C to +125°C	AD595AQ	409-194	19.49	16.24	13.00	– –	– –
595	ADI	14	DIL	Thermocouple Amp. for type K thermocouples. O/P 10mV°C	AD595AD	318-2265	37.00	30.83	24.67	– –	– –
693	ADI	20	DIL	Loop-Powered 4mA to 20mA Sensor Transmitter (Cerdip)	AD693AQ	409-212	29.17	24.31	19.44	– –	– –
694	ADI	16	DIL	4mA to 20mA Transmitter	AD694AQ	633-136	28.35	23.63	18.90	– –	– –
694	ADI	16	DIL	4mA to 20mA Transmitter	AD694JNZ	960-3670	20.68	17.24	13.79	– –	– –
694	ADI	16	SOIC	4mA to 20mA Transmitter (IND TEMP)	AD694ARZ	SMD 960-5460	19.06	15.89	12.71	– –	– –
1021	ADI	16	QSOP	2-channel digital thermometer and under/over temp. alarm.(QSOP/enhanced MAX1617)	ADM1021ARQZ	SMD 114-3192	8.01	5.34	– –	– –	– –
1025	LT	8	DIL	Micropower Thermocouple Cold Junction Compensator	LT1025CN	699-974	10.29	6.55	5.31	– –	– –
1025	LT	8	DIL	Micropower Thermocouple Cold Junction Compensator	LT1025CN#PBF	955-9442	10.29	6.55	5.31	– –	– –
1046	MCHIP	3	SOT-23B	Linear output Temperature-to- Voltage Converter. (-40°C to +125°C)	TC1046VNBTR	SMD 121-2685	1.49	0.92	0.92	– –	– –
1046	MCHIP	3	SOT-23B	Linear output Temperature-to- Voltage Converter. (-40°C to +125°C)	TC1046VNBTR.	SMD 396-8923	1.49	0.92	0.92	– –	– –
1047	MCHIP	3	SOT-23B	Linear output Temperature-to-Voltage Converter. (-40°C to +125°C)	TC1047AVNBTR	SMD 976-2531	1.59	0.96	0.96	– –	– –
1615	MAX	16	DIL	Integrated temperature recorder with real-time clock, temperature datalogging and histogram capabilities. ±2°C acc. (-40°C to +85°C)	DS1615	300-2184	34.48	26.36	21.10	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
1617	MAX	16	QSOP	Remote or local Temperature Sensor with 2-wire serial Interface, ±3°C Remote accuracy. (QSSOP)	MAX1617MEE+	SMD 972-4109 ●	19.29	15.16	12.03	– –	– –
1620	MAX	8	DIL	Digital Thermometer and Thermostat	DS1620+	118-7998 ●	12.75	10.02	8.03	– –	– –
1620	MAX	8	SOIC	Digital Thermometer and Thermostat	DS1620S+	SMD 972-6276 ●	12.75	10.02	8.03	– –	– –
1621	MAX	8	DIL	Digital Thermometer and Thermostat with 2-wire serial CPU controlled interface.	DS1621+	118-8024 ●	8.44	6.63	5.31	– –	– –
1621	MAX	8	SOIC	Digital Thermometer and Thermostat with 2-wire serial CPU controlled interface.	DS1621S+	SMD 972-5261 ●	8.67	6.81	5.46	– –	– –
1624	MAX	8	SOIC	Digital Thermometer with 256bytes of EEprom providing 13-bit temperature reading, 2-wire interface	DS1624S+	SMD 972-5270 ●	16.54	13.00	10.41	– –	– –
1629	MAX	8	SOIC	Digital Thermometer and Real-time Clock with Thermostatic and time alarms, 2-wire serial interface ±2°C acc. (-55°C to +125°C)	DS1629S	SMD 333-0023 ▲‡	12.73	10.01	8.02	– –	– –
1629	MAX	8	SOIC	Digital Thermometer and Real-time Clock with Thermostatic and time alarms, 2-wire serial interface ±2°C acc. (-55°C to +125°C)	DS1629S+	SMD 972-4745 ●	14.72	11.57	9.26	– –	– –
1721	MAX	8	SOIC	2-Wire Digital Thermometer and Thermostat	DS1721S+	SMD 972-3862 ●	7.07	5.55	4.45	– –	– –
1722	MAX	8	SOIC	Digital Thermometer with 3-wire SPI interface, ±2°C acc. (-55°C to +120°C)	DS1722S+	SMD 972-4753 ●	4.74	3.73	2.99	– –	– –
1821	MAX	3	TO-92	Programmable Digital Thermostat	DS1821	787-176 ▲‡	9.50	7.47	5.98	– –	– –
1821	MAX	3	TO-92	Programmable Digital Thermostat	DS1821+	972-6330 ●	11.92	9.37	7.50	– –	– –
3100	TI	48	LQFP	CCD/CIS Signal Processor, 14-BIT	VSP3100YG4	SMD 120-7255 ●	17.47	15.01	12.94	11.64	– –
7314	ADI	8	MSOP	10-Bit Low Voltage, Digital Temp. Sensor	AD7314ARMZ	SMD 942-6345 ●	1.77	1.50	1.20	– –	– –
7416	ADI	8	SOIC	Temp. Sensor with I²C interface, 10-bit ADC and Over Temperature Indicator, acc. ±2°C @ 25°C, -55°C to +125°C ext. temp. (Enhanced LM75)	AD7416ARZ	SMD 942-5560 ●	2.70	2.34	1.87	– –	– –
7417	ADI	16	SOIC	4-channel Temp. Sensor with I²C interface, 10-bit ADC and Over Temperature Indicator, acc. ±2°C @ 25°C, -55°C to +125°C ext. temp.	AD7417ARZ	SMD 107-9321 ●	8.36	6.97	5.57	– –	– –
7418	ADI	8	SOIC	Temp. Sensor with I²C interface, 10-bit ADC, single input channel, Reference input and Over Temperature Indicator, acc. ±2°C @ 25°C, -55°C to +125°C ext. temp.	AD7418ARZ	SMD 960-3832 ●	6.57	4.71	– –	– –	– –
7816	ADI	8	SOIC	Temp. Sensor with serial interface compatible with SPI/Microwire protocols, 10-bit ADC, acc. ±2°C @ 25°C, -55°C to +125°C ext. temp	AD7816ARZ	SMD 114-3187 ●	4.98	3.99	2.97	– –	– –
9803	MCHIP	8	MSOP	2-Wire, High Accuracy Temperature Sensor.	MCP9803-M/MSG	SMD 941-3944 ●	3.03	1.83	1.83	– –	– –
9803	MCHIP	8	SOIC	2-Wire, High Accuracy Temperature Sensor.	MCP9803-M/SNG	SMD 941-3952 ●	3.03	1.83	1.83	– –	– –
22100	ADI	3	TO-92	Temp. Sensor with Signal Conditioning, 22.5mV/°C, -50°C to +150°Cext. temp.	AD22100KTZ	960-5320 ●	4.08	3.21	2.76	– –	– –
22105	ADI	8	SOIC	Low voltage, resistor programmable Thermostatic Switch, 2°C set-point accuracy, -50°C to +150°C	AD22105ARZ	SMD 942-5659 ●	3.73	3.11	2.48	– –	– –
94021	NSC	5	SC70	Multi-Gain Analogue Temperature Sensor	LM94021BIMG	SMD 104-7766 ●	2.78	1.94	1.38	– –	– –
95071	NSC	5	SOET-23	SPI/MICROWIRE™ 13-Bit Plus Sign Temperature Sensor.	LM95071CIMF	SMD 100-8035 ●	4.04	2.86	2.08	– –	– –

Timers

210458

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
551	TI	8	SOIC	LINCMOS Timer/Linear.	TLC551CD	SMD 845-4388 ●	2.17	1.73	1.36	0.94	– –
551	TI	8	PDIP	LINCMOS Timer/Linear.	TLC551CP	845-4396 ●	2.17	1.73	1.36	0.94	– –
552	TI	14	PDIP	Dual LINCMOS Timer/Linear.	TLC552CN	845-4400 ●	2.88	2.21	1.62	1.40	– –
555	FCH	8	SOIC	Single Timer.	KA555D.	SMD 347-7009 ▲‡	0.62	0.49	0.43	0.32	– –
555	FCH	8	DIL	Single Timer (IND TEMP)	KA555I..	347-7010 ▲‡	0.74	0.59	0.47	0.39	– –
555	FCH	8	DIL	Single Timer.	KA555	101-3833 ●	0.63	0.47	0.40	– –	– –
555	FCH	8	SOIC	Single Timer.	KA555D	SMD 101-3834 ●	0.62	0.51	0.44	0.33	– –
555	FCH	8	DIL	Single Timer (IND TEMP)	KA555I	101-3835 ●	0.74	0.61	0.53	0.40	– –
555	NSC	8	SOIC	Single Timer.	LM555CM	SMD 948-8227 ●	1.62	1.12	0.81	– –	– –
555	NSC	8	DIL	Single Timer.	LM555CN	948-8235 ●	1.83	1.26	0.91	– –	– –
555	NSC	8	SOIC	CMOS Low Power Timer	LMC555CM	SMD 949-3972 ●	1.70	1.17	0.85	– –	– –
555	NSC	8	MSOP	CMOS Low Power Timer .(IND TEMP)	LMC555CMM	SMD 977-9302 ●	2.34	1.66	1.18	– –	– –
555	NSC	8	DIL	CMOS Single Timer	LMC555CN	948-8243 ●	2.10	1.46	1.06	– –	– –
555	TI	8	SOIC	Single Precision Timer	NE555D	SMD 958-9880 ●	0.88	0.67	0.50	0.32	– –
555	TI	8	DIL	Single Precision Timer	NE555P	958-9899 ●	0.88	0.67	0.50	0.32	– –
555	TI	8	SOIC	Precision Timer	SA555D	SMD 958-9945 ●	0.94	0.67	0.50	0.34	– –
555	TI	8	DIL	Precision Timer	SA555PG4	958-9953 ●	1.52	1.09	0.82	0.55	– –
555	TI	8	SOIC	CMOS Low Power Timer	TLC555CD..	SMD 595-056	1.70	1.22	0.92	0.62	– –
555	TI	8	SOIC	CMOS Low Power Timer	TLC555CD	SMD 110-6128 ●	1.72	1.23	0.93	0.62	– –
555	TI	8	SOIC	LINCMOS, Single High-Speed Timer	TLC555CDR	SMD 845-4426 ●	1.72	1.23	0.93	0.62	– –
555	TI	8	DIL	CMOS Low Power Timer	TLC555CP..	409-406	1.60	1.15	0.86	0.58	– –
555	TI	8	DIL	CMOS Low Power Timer	TLC555CP	110-3036 ●	1.72	1.23	0.93	0.62	– –
555	TI	8	PDIP	LINCMOS, Single High-Speed Timer	TLC555IP	845-4434 ●	1.88	1.35	1.01	0.68	– –
555	ST	8	DIL	CMOS Low Power Timer	TS555CN.	409-418 ▲	1.37	1.05	0.79	0.57	– –
555	ST	8	DIL	CMOS Low Power Timer	TS555CN	109-4382 ●	1.37	1.05	0.79	0.57	– –
556	NSC	14	SOIC	Dual Timer	LM556CM	SMD 948-8251 ●	2.32	1.62	1.15	– –	– –
556	NSC	14	DIL	Dual Timer	LM556CN	948-8260 ●	2.60	1.81	1.29	– –	– –
556	ST	14	DIL	Dual Timer	NE556N.	409-467 ▲	1.20	0.93	0.70	0.51	– –
556	ST	14	DIL	Dual Timer	NE556N	109-4320 ●	1.20	0.93	0.70	0.51	– –
556	TI	14	SOIC	Dual Precision Timer	NE556D	SMD 958-9902 ●	0.98	0.75	0.56	0.36	– –
556	TI	14	DIL	Dual Precision Timer	NE556NG4	958-9910 ●	1.62	1.29	1.03	0.70	– –
556	TI	14	SOIC	CMOS Low Power Dual Timer	TLC556CD	SMD 110-3187 ●	1.99	1.59	1.25	0.87	– –
556	TI	14	DIL	CMOS Low Power Dual Timer	TLC556CN..	409-479	1.94	1.54	1.21	0.84	– –
556	TI	14	DIL	CMOS Low Power Dual Timer	TLC556CN	110-3038 ●	1.99	1.59	1.25	0.87	– –
556	TI	14	PDIP	LINCMOS, Dual High-Speed Timer	TLC556IN	845-4442 ●	2.23	1.78	1.40	0.97	– –
556	ST	14	DIL	CMOS Low Power Dual Timer	TS556CN.	409-480 ▲‡	1.71	1.31	0.98	0.71	– –
556	ST	14	DIL	CMOS Low Power Dual Timer	TS556CN	975-6019 ●	1.71	1.31	0.98	0.71	– –
558	FCH	16	DIL	Quad Timer	KA558B	347-7022 ▲	1.13	0.90	0.72	0.59	– –
1455	ON	8	DIL	Timer for accurate delays or oscillation with intervals from microseconds to hours.	MC1455P1G	966-4394 ●	1.13	0.81	0.61	0.41	– –
7210	LSI	14	DIL	Programmable digital delay timer, 6ms to inifinity	LS7210	121-9013 ●	10.48	7.78	6.75	– –	– –
7240	MAX	16	DIL	CMOS 8-bit Binary Programmable Timer/Counter	ICM7240IPE+	118-7988 ●	12.32	9.42	6.39	– –	– –
7242	INTS	8	DIL	CMOS Long Range Fixed Timer/Counter	ICM7242IPA	409-546	3.22	2.83	2.48	2.09	– –
7242	INTS	8	DIL	CMOS Long Range Fixed Timer/Counter	ICM7242IPAZ	121-6113 ●	3.31	2.91	2.55	2.15	– –
7555	INTS	8	DIL	CMOS Low Power Timer	ICM7555IPA	409-273 ▲‡	1.12	0.98	0.88	0.73	– –
7555	INTS	8	SOIC	CMOS Low Power Timer	ICM7555IBAZ	SMD 966-3754 ●	0.87	0.79	0.71	0.65	– –
7555	INTS	8	DIL	CMOS Low Power Timer	ICM7555IPAZ	966-3762 ●	0.97	0.90	0.80	0.73	– –
7555	MAX	8	SOIC	General Purpose Single CMOS Timer. (IND TEMP)	ICM7555ISA+	SMD 972-4702 ●	5.26	4.07	2.76	– –	– –
7556	INTS	14	DIL	CMOS Low Power Dual Timer	ICM7556IPD	409-420 ▲‡	2.16	1.90	1.67	1.41	– –
7556	INTS	14	DIL	CMOS Low Power Dual Timer	ICM7556IPDZ	966-3770 ●	1.88	1.73	1.54	1.41	– –

Transistor Arrays

210459

	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
394	NSC	6	TO-5	Supermatch Transistor Pair	LM394CH	121-6171 ●	12.40	9.37	7.33	– –	– –
394	NSC	6	TO-5	Supermatch Transistor Pair	LM394H	121-6172 ●	16.90	12.77	10.00	– –	– –
395	NSC	3	TO-220	Power Transistor	LM395T.	409-650 ‡	6.72	4.89	3.66	– –	– –
395	NSC	3	TO-92	Power Transistor	LP395Z.	409-662 ‡	3.24	2.27	1.61	– –	– –
395	NSC	3	TO-220	Power Transistor	LM395T	948-8278 ●	6.72	4.93	3.69	– –	– –
395	NSC	3	TO-92	Power Transistor	LP395Z	948-8286 ●	3.24	2.27	1.61	– –	– –
1413	ON	16	SOIC	Transistor Array -7 NPN Darlingtons (ULN2003 compatible).	MC1413DG	SMD 966-4378 ●	1.59	1.48	1.41	1.33	– –
1413	ON	16	DIL	Transistor Array -7 NPN Darlingtons (ULN2003 compatible).	MC1413PG	966-4386 ●	1.66	1.55	1.47	1.39	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
2001	ST	16	DIL	Transistor Array - 7 NPN Darlingtons, 500mA, 50V (DTL, TTL, PMOS, CMOS)	ULN2001A.	409-698▲	1.88	1.43	1.07	0.83	– –
2001	ST	16	DIL	7 Darlington Arrays	E-ULN2001A	107-7210●	1.48	1.13	0.85	0.65	– –
2001	ST	16	DIL	Transistor Array - 7 NPN Darlingtons, 500mA, 50V (DTL, TTL, PMOS, CMOS)	ULN2001A	109-4419●	1.88	1.43	1.07	0.83	– –
2002	ST	16	DIL	Transistor Array - 7 NPN Darlingtons, 14V to 25V input, 500mA, 50V (PMOS)	ULN2002A.	409-716▲	1.65	1.26	1.08	0.83	– –
2002	ST	16	DIL	Transistor Array - 7 NPN Darlingtons, 14V to 25V input, 500mA, 50V (PMOS)	ULN2002A	109-4420●	1.65	1.26	1.08	0.83	– –
2003	TOSH	16	SOIC	Transistor Array - 7 NPN Darlingtons, +5V input, 500mA, 50V (TTL/CMOS)	ULN2003AFWG	SMD 104-7755●	0.83	0.75	0.61	– –	– –
2003	TOSH	16	DIL	Transistor Array - 7 NPN Darlingtons, +5V input, 500mA, 50V (TTL/CMOS)	ULN2003APG	104-7756●	0.83	0.75	0.61	– –	– –
2003	ST	16	DIL	7 Darlington Arrays	E-ULN2003A	107-7215●	1.47	1.12	0.84	0.65	– –
2003	ST	16	DIL	7 Darlington Arrays	E-ULQ2003A	107-7231●	1.82	1.56	1.20	0.91	– –
2003	ST	16	SOIC	7 Darlington Arrays	E-ULQ2003D1	SMD 107-7232●	1.56	1.19	0.89	0.69	– –
2003	ST	16	DIL	Transistor Array - 7 NPN Darlingtons, +5V input, 500mA, 50V (TTL/CMOS)	ULN2003A	109-4421●	1.88	1.43	1.07	0.83	– –
2003	TI	16	DIL	Transistor Array - 7 NPN Darlingtons, +5V input, 500mA, 50V (TTL/CMOS)	ULN2003ANE4	121-0973●	1.25	0.90	0.67	0.45	– –
2003	TOSH	16	SOIC	Transistor Array - 7 NPN Darlingtons, +5V input, 500mA, 50V (TTL/CMOS)	ULN2003AFW	SMD 318-6660‡	0.83	0.75	0.61	– –	– –
2003	TOSH	16	DIL	Transistor Array - 7 NPN Darlingtons, +5V input, 500mA, 50V (TTL/CMOS)	ULN2003AP	318-6672‡	0.83	0.75	0.61	– –	– –
2003	NSC	16	DIL	Transistor Array - 7 NPN Darlingtons (ULN2003 compatible)	DS2003CN	949-3948●	2.30	1.60	1.14	– –	– –
2003	NSC	16	SOIC	Transistor Array - 7 NPN Darlingtons (ULN2003 compatible)	DS2003CM	SMD 949-3956●	2.24	1.56	1.11	– –	– –
2004	ST	16	DIL	Transistor Array - 7 NPN Darlingtons, 6V to 15V input, 500mA, 50V (CMOS)	ULN2004A.	409-765▲	1.88	1.43	1.07	0.83	– –
2004	TI	16	DIL	Transistor Array - 7 NPN Darlingtons, 6V to 15V input, 500mA, 50V (CMOS)	ULN2004AN..	409-777	1.34	0.96	0.72	0.48	– –
2004	TOSH	16	SOIC	Transistor Array - 7 NPN Darlingtons, 6V to 15V input, 500mA, 50V (CMOS)	ULN2004AFWG	SMD 104-7757●	0.83	0.75	0.61	– –	– –
2004	TOSH	16	DIL	Transistor Array - 7 NPN Darlingtons, 6V to 15V input, 500mA, 50V (CMOS)	ULN2004APG	104-7758●	0.83	0.75	0.61	– –	– –
2004	ST	16	DIL	7 Darlington Arrays	E-ULN2004A	107-7217●	1.51	1.15	0.86	0.67	– –
2004	ST	16	DIL	7 Darlington Arrays	E-ULQ2004A	107-7233●	1.26	0.96	0.72	0.56	– –
2004	ST	16	DIL	Transistor Array - 7 NPN Darlingtons, 6V to 15V input, 500mA, 50V (CMOS)	ULN2004A	109-4423●	1.88	1.43	1.07	0.83	– –
2004	TI	16	DIL	Transistor Array - 7 NPN Darlingtons, 6V to 15V input, 500mA, 50V (CMOS)	ULN2004AN	110-3041●	1.25	0.90	0.67	0.45	– –
2004	TI	16	SOIC	Transistor Array - 7 NPN Darlingtons, 6V to 15V input, 500mA, 50V (CMOS)	ULN2004ADE4	SMD 121-0974●	1.25	0.90	0.67	0.45	– –
2004	TOSH	16	SOIC	Transistor Array - 7 NPN Darlingtons, 6V to 15V input, 500mA, 50V (CMOS)	ULN2004AFW	SMD 318-6684‡	0.83	0.75	0.61	– –	– –
2064	ST	16	DIL	50V, 1.5A Quad Darlington Switch	E-ULN2064B	107-7219●	5.88	4.50	3.87	2.97	– –
2064	ST	16	DIL	Quad Darlington Driver, 1.5A 50V, with common emitters	ULN2064B	109-4424●	5.72	4.37	3.76		
2065	ST	16	DIL	80V, 1.5A Quad Darlington Switch	E-ULN2065B	107-7220●	5.11	4.23	3.55		
2068	ST	16	DIL	50V, 1.5A Quad Darlington Switch	E-ULN2068B	107-7224●	5.70	4.37	3.75	2.88	– –
2068	ST	16	DIL	Quad Darlington Driver, 1.5A 50V, with common emitters	ULN2068B	109-4425●	5.60	4.29	3.68	2.83	– –
2069	ST	16	DIL	80V, 1.5A Quad Darlington Switch	E-ULN2069B	107-7225●	5.11	4.23	3.55	3.09	– –
2074	ST	16	DIL	50V, 1.5A Quad Darlington Switch	E-ULN2074B	107-7226●	5.11	4.23	3.55	2.96	– –
2210	ADI	8	DIL	Precision NPN Transistor Pair optimized for use in Audio applications....	SSM2210PZ	960-5088●	6.90	5.79	4.41	– –	– –
2220	ADI	8	DIL	Precision PNP Transistor Pair optimized for use in Audio applications...	SSM2220PZ	960-5096●	8.43	7.05	5.37	– –	– –
2801	ST	18	DIL	8 Darlington Arrays	E-ULN2801A	107-7228●	1.89	1.63	1.24	1.14	– –
2801	ST	18	DIL	Transistor Array, 8 NPN Darlingtons, +5V input (without RIN), 500mA 50V (CMOS)	ULN2801A	109-4426●	2.64	2.02	1.73	1.33	– –
2802	ST	18	DIL	8 Darlington Arrays	E-ULN2802A	107-7229●	1.95	1.48	1.09	0.86	– –
2803	ST	18	DIL	Transistor Array, 8 NPN Darlingtons, +5V input, 500mA 50V (TTL/CMOS)	ULN2803A.	409-856▲	2.17	1.66	1.43	1.09	– –
2803	TOSH	18	SOIC	8-Channel Darlington Sink Driver, 50V, 0.5A (Input Base Resistance = 2.7k[ILLEGAL CHAR:U+3a9])	ULN2803AFWG	SMD 104-2086●	1.43	1.07	0.81	0.62	– –
2803	TOSH	18	SOIC	8-Channel Darlington Sink Driver, 50V, 0.5A (Input Base Resistance = 10.5k[ILLEGAL CHAR:U+3a9])	ULN2804AFWG	SMD 104-2088●	1.43	1.07	0.81	0.62	– –
2803	TOSH	18	DIL	Transistor Array, 8 NPN Darlingtons, +5V input, 500mA 50V (TTL/CMOS)	ULN2803APG	104-7761●	1.06	0.88	– –	– –	– –
2803	ST	18	DIL	8 Darlington Arrays	E-ULN2803A	107-7230●	2.00	1.53	1.12	0.89	– –
2803	ST	18	DIL	8 Darlington Arrays	E-ULQ2803A	107-7234●	2.70	2.31	1.79	1.33	– –
2803	ST	18	DIL	Transistor Array, 8 NPN Darlingtons, +5V input, 500mA 50V (TTL/CMOS)	ULN2803A	109-4428●	2.21	1.69	1.45	1.12	– –
2804	TOSH	18	DIL	Transistor Array, 8 NPN Darlingtons, 6V to 15V input, 500mA 50V (CMOS)	ULN2804APG	104-7762●	1.06	0.82	0.77	– –	– –
2804	ST	18	DIL	8 Darlington Arrays	E-ULQ2804A	107-7236●	1.82	1.24	1.04		
2804	ST	18	DIL	Transistor Array, 8 NPN Darlingtons, 6V to 15V input, 500mA 50V (CMOS)	ULN2804A	109-4429●	2.17	1.66	1.43		
3046	NSC	14	SOIC	Transistor Array	LM3046M	SMD 759-2644●	1.40	1.20	0.98	– –	– –
3083	INTS	16	DIL	Transistor Array - 5 NPN General Purpose Transistors	CA3083	409-984▲	0.73	0.65	0.58	0.51	– –
3083	INTS	16	DIL	Transistor Array - 5 NPN General Purpose Transistors	CA3083Z	120-1540●	0.75	0.67	0.59	0.53	– –
5800	MICR	14	DIL	High Speed BIMOS Darlington Array (4 latches). UCN5800A compatible.	MIC5800BN	246-130	8.85	6.75	5.16	3.72	– –
6800	ALEG	14	DIL	High Speed BIMOS Darlington Array (4 latches)	A6800SA-T	120-2816●	14.32	10.84	9.05	– –	– –
5800	MICR	14	DIL	High Speed BIMOS Darlington Array (4 latches). UCN5800A compatible.	MIC5800YN	121-3484●	8.85	6.75	5.16	3.72	– –
5801	MICR	22	DIL	High Speed BIMOS Darlington Array (8 latches). UCN5801A compatible.	MIC5801BN	246-141	10.94	6.30	5.19	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pkg	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
5801	ALEG	22	DIL	High Speed BIMOS Darlington Array (8 latches)	A6801SA-T	120-2817	15.01	6.93	5.50	4.46	– –
5801	MICR	22	DIL	High Speed BIMOS Darlington Array (8 latches). UCN5801A compatible.	MIC5801YN	121-3485	10.94	6.30	5.19	– –	– –
5821	ALEG	16	DIL	BIMOS 8-bit Serial-Input Latched Driver	A6821SA-T	120-2818	15.06	7.33	5.83	4.93	– –
5841	ALEG	18	DIL	BIMOS 8-bit Serial-Input Latched Driver with protection diodes.	A6841SA-T	120-2821	14.15	7.27	5.81	5.24	– –
75468TI		16	SOIC	High-Voltage, High-Current Darlington Transistor Array	SN75468D	SMD 959-3004	1.47	1.17	0.94	0.64	– –

TV/VCR/Audio/Radio ICs

210460

	Mftr.	Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
006	NSC	8	SOIC	Serial Digital Cable Driver with Adjustable Outputs	CLC006AJE.	SMD 705-056‡	19.25	14.55	11.28	– –
006	NSC	8	SOIC	Serial Digital Cable Driver with Adjustable Outputs	CLC006AJE	SMD 949-3964	19.25	14.55	11.28	– –
020	NSC	28	PLCC	DIgital Video Serializer w/integrated cable driver	CLC020BCQ	SMD 822-1855	55.71	48.38	44.08	– –
030	NSC	64	TQFP	SMPTE 292M/259M Digital Video Serializer with Video and Anciliary Data FIFOs and Integrated Cable Driver	CLC030VEC	SMD 823-8588	69.30	61.74	57.33	– –
031	NSC	64	TQFP	SMPTE 292M/259M Digital Video Deserializer / Descrambler with Video and Ancillary Data FIFOs	CLC031AVEC	SMD 100-8001	92.69	82.58	76.68	– –
031	NSC	64	TQFP	SMPTE 292M/259M Digital Video Deserializer Descrambler with Video and Anciliary Data FIFOs	CLC031VEC	SMD 823-8596	93.32	83.72	77.74	– –
3	TI	16	TSSOP	Quad SPDT High-Bandwidth Video Switch with Low and Flat On-State Resistance	TS3V340PWE4	SMD 105-3244	2.40	1.92	1.51	1.05
3	TI	16	SOIC	Quad SPDT High-Bandwidth Video Switch with Low and Flat On-State Resistance	TS3V340DE4	SMD 105-3250	2.40	1.92	1.51	1.05
5	TI	16	TSSOP	Quad SPDT Wide Bandwidth Video Switch with Low On-State Resistance	TS5V330PWE4	SMD 105-3209	1.82	1.45	1.14	0.79
5	TI	16	TSSOP	Quad SPDT Wide Bandwidth Video Switch with Low On-State Resistance	TS5V330PW	SMD 105-3210	1.82	1.45	1.14	0.79
5	TI	16	SOIC	Quad SPDT Wide Bandwidth Video Switch with Low On-State Resistance	TS5V330DE4	SMD 105-3213	1.82	1.45	1.14	0.79
5	TI	16	SOIC	Quad SPDT Wide Bandwidth Video Switch with Low On-State Resistance	TS5V330D	SMD 105-3216	1.82	1.45	1.14	0.79
134	BB	8	DIL	Audio Differential Line Receiver with on-chip high performance Amp and precision resistors. 0dB gain	INA134PA	109-7403	4.62	3.53	2.70	2.37
134	BB	8	SOIC	Low Noise, Low Distortion Audio Amp (IND TEMP).	OPA134UA	SMD 109-7514	4.40	3.37	2.48	2.14
134	TI	8	DIL	Low Noise, Low Distortion Audio Amp	OPA134PAG4	117-8437	4.40	3.37	2.48	2.14
134	TI	8	PDIP	OP AMP, Differential Audio Line Driver	DRV134PAG4	120-6893	8.58	6.56	5.01	4.41
134	TI	16	SOIC	OP AMP, Differential Audio Line Driver	DRV134UAE4	SMD 120-6894	8.58	6.56	5.01	4.41
135	TI	8	SOIC	OP AMP, Differential Audio Line Driver	DRV135UA	SMD 121-2389	8.58	6.56	5.01	4.41
135	TI	8	SOIC	OP AMP, Differential Audio Line Driver	DRV135UA..	SMD 846-6572	8.09	6.19	4.73	4.16
137	BB	8	DIL	Audio Differential Line Receiver with on-chip high performance Amp and precision resistors. ±6dB gain	INA137PA	109-7405	4.62	3.53	2.70	2.37
152	TI	8	SOIC	Power AMP, AUDIO	TPA152D	SMD 845-6399	2.59	2.09	1.64	1.14
172	TI	24	HTSSOP	Power AMP, AUDIO CLASS AB	TPA0172PWPG4	SMD 120-7307	10.78	8.25	6.30	5.54
211	TI	8	HTSSOP	Power AMP, AUDIO CLASS AB	TPA0211DGNG4	SMD 120-7308	3.42	2.62	1.93	1.67
211	ADI	8	SOIC	Low Distortion, 1.5 Watt Audio Power Amplifier	SSM2211SZ	SMD 999-4440	0.99	0.84	0.75	– –
212	TI	24	HTSSOP	Power AMP, AUDIO CLASS AB	TPA0212PWP	SMD 121-2375	4.84	3.70	2.83	2.49
212	TI	24	HTSSOP	Power AMP, AUDIO CLASS AB	TPA0212PWP.	SMD 845-6011	4.98	3.81	2.91	2.56
275	ADI	8	DIL	Low Noise, Low Distortion, Audio Amp., with a 'Butler' Amplifier front end.	OP275GPZ	960-3760	2.55	2.25	2.01	– –
301	TI	8	SOIC	Power AMP, AUDIO	TPA301D	SMD 845-6518	1.70	1.36	1.08	0.74
320	TI	28	TSSOP	Codec, Audio	TLV320AIC23BPWG4	SMD 120-7297	11.73	8.98	7.44	6.63
320	TI	32	QFN	Codec, Audio	TLV320AIC26IRHBG4	SMD 120-7298	12.71	9.72	8.06	7.18
320	TI	28	TSSOP	Codec, Audio	TLV320AIC23BIPW	SMD 121-2374	13.10	10.02	8.30	7.40
320	TI	28	TSSOP	Codec, Audio	TLV320AIC23BIPW.	SMD 845-5422	13.23	10.12	8.39	7.48
340	ST	8	SOIC	Video Buffer, Single Supply Low Input/Output Rail	TSH340ID	SMD 108-6944	5.34	4.43	3.81	3.55
380	NSC	8	DIL	0.6 watt Audio Amp	LM380N-8	948-8294	3.22	2.26	1.61	– –
380	NSC	14	DIL	2 watt Audio Power Amp	LM380N	948-8308	3.74	2.61	1.86	– –
384	NSC	14	DIL	5 watt Audio Power Amp	LM384N	948-8316	3.74	2.61	1.86	– –
386	NSC	8	SOIC	Low Voltage Audio Power Amp. 0.25 watt.	LM386M-1	SMD 948-8324	1.83	1.28	0.93	– –
386	NSC	8	DIL	Low Voltage Audio Power Amp. 0.25 watt.	LM386N-1	948-8332	1.83	1.28	0.93	– –
386	NSC	8	DIL	Low Voltage Audio Power Amp. 0.5 watt.	LM386N-3	948-8340	1.83	1.28	0.93	– –
386	NSC	8	DIL	Low Voltage Audio Power Amp. 0.7 watt.	LM386N-4	948-8359	1.83	1.28	0.93	– –
452	MAX	8	DIL	50MHz, CMOS Unity-gain stable Video Amp	MAX452CPA+	118-8053	13.85	10.60	8.13	– –
457	MAX	8	DIL	Dual, 70MHz, CMOS Unity-gain stable Video Amp.	MAX457CPA+	118-8058	22.29	17.06	12.96	– –
477	MAX	8	DIL	300MHz High Speed Video Amp	MAX477EPA+	118-8046	13.05	9.98	7.66	– –
496	MAX	16	DIL	375MHz, Quad Closed Loop Buffer with Av= +1	MAX496CPE	794-648▲	23.17	17.73	13.47	– –
535	SLX	28	DIL	16-Channel Wideband/Video Multiplexer, 200MHz.	DG535DJ.	402-631▲‡	27.84	22.27	19.49	18.37
535	SLX	28	DIL	16-Channel Wideband/Video Multiplexer, 200MHz.	DG535DJ-E3	107-7112	27.84	22.27	19.49	18.37
538	SLX	28	DIL	8-Channel/Dual 4-Channel Wideband/Video Multiplexer, 500MHz.	DG538ADJ.	482-961▲‡	21.44	17.15	15.01	14.15
538	SLX	28	DIL	8-Channel/Dual 4-Channel Wideband/Video Multiplexer, 500MHz.	DG538ADJ-E3	107-7129	21.44	17.15	15.01	14.15
541	SLX	16	DIL	Quad Monolithic SPST Wideband/Video Switch, 350MHz	DG541DJ.	403-179▲‡	6.03	5.68	5.15	4.85
541	SLX	16	DIL	Quad Monolithic SPST Wideband/Video Switch, 350MHz	DG541DJ-E3	107-7126	6.03	5.68	5.15	4.85
542	SLX	16	DIL	Dual Monolithic SPDT Wideband/Video Switch, 500MHz	DG542DJ.	402-862▲‡	6.21	5.85	5.30	5.00
542	SLX	16	DIL	Dual Monolithic SPDT Wideband/Video Switch, 500MHz	DG542DJ-E3	107-7117	6.21	5.85	5.30	5.00
567	NSC	8	DIL	Tone Decoder	LM567CN.	410-275‡	3.11	2.17	1.55	– –
567	NSC	8	DIL	CMOS Low Power Tone Decoder	LMC567CN.	410-287‡	3.70	2.62	1.91	– –
567	NSC	8	DIL	Tone Decoder	LM567CN	948-8367	3.11	2.17	1.55	– –
567	NSC	8	DIL	CMOS Low Power Tone Decoder	LMC567CN	948-8375	3.70	2.62	1.91	– –
600	ADI	16	DIL	Dual, Low Noise, 35MHz Variable Gain Amp	AD600JNZ	107-9410	45.99	38.49	29.34	– –
602	ADI	16	DIL	Dual, Wideband, Low Noise Variable Gain Amp	AD602JNZ	114-3225	45.99	38.49	29.34	– –
603	ADI	8	DIL	Low Noise, 90MHz Variable-Gain Amp	AD603AQ	563-109▲	16.62	13.89	10.59	– –
604	TI	8	SOIC	OP AMP, FET-I/P, AUDIO	OPA604AU	SMD 121-2317	4.62	3.53	2.70	2.37
604	TI	8	SOIC	OP AMP, FET-I/P, AUDIO	OPA604AU..	SMD 843-3984	4.46	3.42	2.61	2.29
733	TI	14	SOIC	Differential Video Amplifier	UA733CD	SMD 959-3810	1.70	1.36	1.08	0.74
797	ADI	8	SOIC	Ultra Low Noise, Ultra Low Distortion, Amp. - ideal for use as a Pre-Amp. (IND TEMP)	AD797ARZ	SMD 942-6450	13.35	11.16	8.52	– –
797	ADI	8	DIL	Ultra Low Noise, Ultra Low Distortion, Amp. - ideal for use as a Pre-Amp.	AD797ANZ	960-3778	13.35	11.16	8.52	– –
810	ADI	8	DIL	Low Power, Current-Feedback Video Amp. with Disable	AD810ANZ	960-3794	6.36	5.43	4.53	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
811	ADI	8	SOIC	High Performance, Wideband, Current-Feedback Video Amp	AD811JRZ	SMD 942-6485	10.68	8.94	6.84	– –
811	ADI	8	DIL	High Performance, Wideband, Current-Feedback Video Amp	AD811ANZ	960-3786	10.68	8.94	6.84	– –
813	ADI	14	DIL	Low Power, Triple Video Amp	AD813ANZ	107-9403	13.50	11.28	8.61	– –
818	ADI	8	DIL	Low Power Video Amp. (IND TEMP)	AD818ANZ	960-5630	5.62	4.68	3.74	– –
820	ST	8	DIL	1.2 watt low frequency class 'B' audio Power Amp.	TBA820M	109-4339	1.72	1.29	1.03	0.86
828	ADI	8	DIL	Dual, Low Power Video Amp.	AD828ANZ	107-9417	7.02	5.85	4.68	– –
830	ADI	8	DIL	High Speed, Video Difference Amp. (IND TEMP)	AD830ANZ	107-9432	8.73	7.32	5.58	– –
833	NSC	8	DIL	Low Noise, Dual Audio Operational Amp	LM833N.	410-391‡	1.94	1.35	0.98	– –
833	ST	8	DIL	Low Noise, Dual Audio Operational Amp	LM833N.	630-998‡	1.72	1.29	1.03	0.86
833	ST	8	SOIC	Low Noise, Dual Audio Operational Amp	LM833D.	SMD 631-012‡	1.72	1.29	1.03	0.86
833	ON	8	DIL	Low Noise, Dual Audio Operational Amp	LM833NG	121-4467	1.50	1.11	0.98	0.88
833	ON	8	DIL	Low Noise, Dual Audio Operational Amp	LM833N	334-3650	2.57	2.39	2.13	2.00
833	NSC	8	DIL	Low Noise, Dual Audio Operational Amp	LM833N	948-8383	1.83	1.28	0.93	– –
833	ST	8	DIL	Low Noise, Dual Audio Operational Amp	LM833N	975-6493	1.72	1.29	1.03	0.86
833	ST	8	SOIC	Low Noise, Dual Audio Operational Amp	LM833D	SMD 975-6507	1.72	1.29	1.03	0.86
837	NSC	14	DIL	Low Noise, Quad Audio Operational Amp	LM837N.	410-408‡	3.66	2.56	1.82	– –
837	NSC	14	DIL	Low Noise, Quad Audio Operational Amp	LM837N	948-8391	3.66	2.56	1.82	– –
847	ADI	8	SOIC	High Speed, Low Power Video Amp	AD847JRZ	SMD 942-6477	10.92	6.84	– –	– –
1012	NSC	4	BGA	Pre-Amplified IC's for High Gain 2-Wire Microphones	LMV1012UP-07	SMD 823-8782	2.70	1.94	1.38	– –
1012	NSC	4	BGA	Pre-Amplified IC's for High Gain 2-Wire Microphones	LMV1012UP-20	SMD 823-8790	2.70	1.94	1.38	– –
1012	NSC	4	BGA	Pre-Amplified IC's for High Gain 2-Wire Microphones	LMV1012UP-25	SMD 823-8804	2.70	1.94	1.38	– –
1012	NSC	4	BGA	Amplifiers for 3 Wire Analog Electret Microphones	LMV1032UP-06	SMD 823-8812	3.44	2.40	1.71	– –
1012	NSC	4	BGA	Amplifiers for 3 Wire Analog Electret Microphones	LMV1032UP-15	SMD 823-8820	3.44	2.40	1.71	– –
1012	NSC	4	BGA	Amplifiers for 3 Wire Analog Electret Microphones	LMV1032UP-25	SMD 823-8839	3.44	2.40	1.71	– –
1193	LT	8	DIL	Video Difference Amp	LT1193CN8	525-844	11.49	7.32	5.94	– –
1193	LT	8	DIL	Video Difference Amp	LT1193CN8#PBF	956-0297	11.49	7.32	5.94	– –
1235	ADI	8	SOIC	Dual Single-Supply Audio Operational Amplifier	SSM2135SZ	SMD 999-4475	7.20	6.03	4.59	– –
1246	NSC	24	DIL	150 MHz Compatible RGB Preamplifier with Internal 512 Character OSD ROM	LM1246AAC/NA	818-1470	6.24	4.54	3.40	– –
1517	TI	20	HSOP	Power AMP, CLASS-A AUDIO	TPA1517DWP	SMD 121-2376	4.40	3.37	2.57	2.26
1517	TI	20	HSOP	Power AMP, CLASS-A AUDIO	TPA1517DWP..	SMD 845-6364	4.29	3.28	2.51	2.20
1560	PS	17	DBS17P	40 watt Car Radio Power Audio Amp	TDA1560Q/N4	702-420	18.18	14.54	13.09	10.91
1875	NSC	5	TO-220	20 watt Audio Power Amp	LM1875T	948-8405	6.40	4.66	3.49	– –
1876	NSC	15	TO-200	Dual 20 Watt Audio Power Amp. with Mute, Standby and SPiKe Protection	LM1876TF.	632-971‡	11.25	8.18	6.13	– –
1876	NSC	15	TO-200	Dual 20 Watt Audio Power Amp. with Mute, Standby and SPiKe Protection	LM1876TF	949-3590	11.25	8.18	6.13	– –
1881	NSC	8	DIL	Video Sync. Separator	LM1881N	948-8413	5.70	4.15	3.11	– –
1881	NSC	8	SOIC	Video Sync. Separator	LM1881M	SMD 949-3468	5.70	4.15	3.11	– –
1905	ST	16	DIL	5 watt Audio Amp. with mute	TDA1905.	410-548	4.25	3.25	2.79	2.14
1905	ST	16	DIL	5 watt Audio Amp. with mute	TDA1905	109-4340	4.25	3.25	2.79	2.14
1941	ADI	48	LQFP	SigmaDSP Multichannel 28-Bit Audio Processor	AD1941YSTZ	SMD 107-8403	35.37	26.31	17.58	– –
1970	ADI	48	LQFP	Complete MTS (BTSC) TV Stereo Encoder	AD1970JSTZ	SMD 107-8402	16.98	14.19	10.83	– –
1971	NSC	8	SOIC	1-Channel 62dB Audio Attenuator with Mute	LM1971M	SMD 949-4073	5.76	4.21	3.07	– –
1972	NSC	20	DIL	2-Channel 78dB Audio Attenuator with Mute	LM1972N	949-0523	9.90	7.39	5.54	– –
1973	NSC	20	DIL	3-Channel 76dB Audio Attenuator with Mute	LM1973N	949-0531	9.20	6.89	5.16	– –
1991	ADI	52	TQFP	Class D/1-Bit Audio Power Output Stage	AD1991ASVZ	SMD 839-6612	23.81	19.85	15.88	– –
2000	TI	16	TSSOP	Power AMP, CLASS-D AUDIO	TPA2000D1PWG4	SMD 120-7309	4.62	3.53	2.70	2.37
2000	TI	20	TSSOP	PROG Touch Screen Controller	TSC2000IPWG4	SMD 120-7360	10.34	7.91	6.04	5.31
2003	ST	5	Pentawatt	10 watt Car Radio Audio Amp	E-TDA2003V	115-9698	3.63	2.78	2.39	1.83
2003	TI	16	TSSOP	Touch Screen Controller	TSC2003IPWG4	SMD 120-7361	9.90	7.57	5.78	5.09
2005	ST	11	Multiwatt	20 watt Car Radio Power Amp. bridge configuration	TDA2005M.	410-615	5.89	4.51	3.74	3.33
2005	ST	11	Multiwatt	20 watt Car Radio Power Amp. bridge configuration	TDA2005M	121-8316	6.18	5.11	4.62	3.97
2010	TI	9	DSBGA	Power AMP, AUDIO	TPA2010D1YZFT	SMD 845-6437	2.54	1.94	1.43	1.24
2011	IR	8	SOIC	High and Low Side Driver	IRS2011SPBF	SMD 108-0636	4.77	3.42	2.61	2.25
2018	ADI	16	DIL	Voltage-Controlled Amp./OVCE	SSM2018PZ	107-9399	8.96	7.47	5.98	– –
2018	ADI	16	DIL	Trimless Voltage Controlled Amp./OVCE	SSM2018TPZ	107-9412	11.01	9.17	7.34	– –
2030	ST	5	Pentawatt	14 watt Hi-Fi Audio Power Amp	TDA2030V.	410-690	5.57	4.26	3.66	2.81
2030	ST	5	Pentawatt	18 watt Hi-Fi Amp with 35 watt Driver	TDA2030AV	109-4341	5.09	3.90	3.23	2.88
2030	ST	5	Pentawatt	14 watt Hi-Fi Audio Power Amp	TDA2030H	109-4342	4.85	3.71	3.07	2.74
2030	ST	5	Pentawatt	14 watt Hi-Fi Audio Power Amp	TDA2030V	109-4343	5.58	4.27	3.67	2.81
2040	ST	5	Pentawatt	22 watt Hi-Fi Audio Power Amp	TDA2040V	109-4344	5.29	4.05	3.36	2.99
2046	TI	16	TSSOP	4-WIRE Touch Screen Controller	TSC2046IPWG4	SMD 120-7363	7.52	5.76	4.40	3.87
2050	ST	5	Pentawatt	25 watt Hi-Fi Audio Power Amp	TDA2050V	109-4345	5.95	4.55	3.77	3.36
2100	TI	32	TSSOP	Programmable Touch Screen Controller with Integrated Stereo Audio Codec & Headphone/Speaker Amp	TSC2100IDAG4	SMD 932-4208	15.44	11.82	9.79	8.73
2134	BB	14	DIL	Dual Audio Differential Line Receiver with on-chip high performance Amp and precision resistor. 0dB gain	INA2134PA	109-7407	7.48	5.72	4.37	3.84
2134	BB	8	DIL	Dual, Low Noise, Low Distortion Audio Amp	OPA2134PA	109-7574	4.62	3.53	2.70	2.37
2141	ADI	8	DIL	High Common-Mode Rejection Differential Line Receiver	SSM2141PZ	107-9397	4.82	4.01	3.21	– –
2142	ADI	8	DIL	Balanced Line Driver.	SSM2142P	483-084	12.99	10.81	6.63	– –
2142	ADI	8	DIL	Balanced Line Driver.	SSM2142PZ	107-9398	7.65	6.42	4.89	– –
2143	ADI	8	DIL	-6dB Differential Line Receiver	SSM2143PZ	107-9316	4.60	3.84	3.07	– –
2165	ADI	8	SOIC	Complete Microphone Conditioner in an 8-Lead Package with Variable Compression & Noise Gating	SSM2165-1SZ	SMD 999-4483	5.45	4.55	3.64	– –
2166	ADI	14	NSOIC	Complete Microphone Conditioner with Variable Compression & Noise Gating	SSM2166SZ	SMD 999-4459	6.53	5.45	4.36	– –
2200	TI	28	TSSOP	PROG Touch Screen Controller	TSC2200IPWG4	SMD 120-7364	10.56	8.08	6.17	5.43
2210	ADI	8	DIL	Precision NPN Transistor Pair optimized for use in Audio applications...	SSM2210PZ	960-5088	6.90	5.79	4.41	– –
2210	ADI	8	SOIC	Audio Dual Matched NPN Transistor	SSM2210SZ	SMD 999-4467	6.90	5.79	4.41	– –
2220	ADI	8	DIL	Precision PNP Transistor Pair optimized for use in Audio applications...	SSM2220PZ	960-5096	8.43	7.05	5.37	– –
2310	TI	16	SOIC	Stereo Audio Volume Control	PGA2310UAG4	SMD 120-7095	31.14	27.15	23.62	21.65
2310	TI	16	PDIP	Stereo Audio Volume Control	PGA2310PA	121-2339	31.14	27.15	23.62	21.65
2310	TI	16	PDIP	Stereo Audio Volume Control	PGA2310PA.	843-4905	29.39	25.52	23.26	21.81
2311	TI	16	PDIP	Stereo Audio Volume Control	PGA2311PA	121-2340	17.48	13.37	10.98	9.88
2311	TI	16	PDIP	Stereo Audio Volume Control	PGA2311PA.	843-4930	20.63	17.72	15.29	13.75
2402	ADI	14	DIL	Dual SPST Audio Analogue Switch	SSM2402PZ	107-9428	10.32	8.60	6.88	– –
2460	NSC	9	TO-220	Monolithic Triple Channel High Swing CRT Driver	LM2460TA	818-1489	6.14	4.62	3.46	– –
2611	PS	9	SIL9MPF	5 watt Audio Power Amp	TDA2611A/N5	410-743	2.38	1.90	1.71	1.43
2615	PS	9	SIL9MPF	2x6 watt Hi-Fi Audio Power Amp.	TDA2615/N1	571-507	5.42	4.33	3.90	3.25

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
2822	ST	8	DIL	1 watt+1 watt Stereo Audio Amp., for cassette players/radios	TDA2822M	121-8171	2.97	2.36	2.02	1.55
2876	NSC	11	SIL	High Performance 75 watt Audio Power Amp. with mute and SPiKe Protection	LM2876T.	295-530‡	8.40	6.38	4.78	– –
2876	NSC	11	SIL	High Performance 75 watt Audio Power Amp. with mute and SPiKe Protection	LM2876T	948-6127	8.40	6.38	4.78	– –
2900	TI	28	SSOP	Audio Codec with USB	PCM2900EG4	SMD 120-7086	16.23	12.42	10.29	9.17
2902	TI	28	SSOP	Audio Codec with USB	PCM2902EG4	SMD 120-7089	17.60	13.46	11.05	9.94
2904	TI	28	SSOP	Audio Codec with USB	PCM2904DBG4	SMD 120-7091	16.23	12.42	10.29	9.17
3001	TI	24	HTSSOP	Power AMP, CLASS-D AUDIO	TPA3001D1PWPG4	SMD 120-7310	9.77	7.48	6.20	5.52
3003	TI	48	TQFP	Power AMP, AUDIO	TPA3003D2PFBG4	SMD 120-7311	11.73	8.98	7.44	6.63
3003	TI	24	SSOP	Stereo Audio Codec	PCM3003E	SMD 121-2332	13.49	10.32	8.55	7.62
3003	TI	24	SSOP	Stereo Audio Codec	PCM3003E.	SMD 843-4778	12.97	9.93	8.22	7.33
3004	TI	48	HTQFP	Power AMP, AUDIO	TPA3004D2PHPG4	SMD 120-7314	12.71	9.72	8.06	7.18
3010	TI	24	SSOP	Stereo Audio Codec	PCM3010DB	SMD 843-4794	15.64	11.97	9.91	8.84
3103	TI	38	TSSOP	Dig Processor, Audio	TAS3103DBTG4	SMD 120-7276	16.23	12.42	10.29	9.17
3500	TI	24	SSOP	Single Audio Codec.	PCM3500EG4	SMD 120-7092	10.36	7.93	6.57	5.86
3875	NSC	11	SIL	High Performance 100 watt Audio Power Amp. with SPiKe Protection	LM3875T.	295-541‡	11.14	8.22	6.16	– –
3875	NSC	11	SIL	High Performance 100 watt Audio Power Amp. with SPiKe Protection	LM3875T	948-6135	11.14	8.22	6.16	– –
3876	NSC	11	SIL	High Performance 100 watt Audio Power Amp. with mute and SPiKe Protection	LM3876T.	295-553	9.58	6.96	5.22	– –
3876	NSC	11	SIL	High Performance 100 watt Audio Power Amp. with mute and SPiKe Protection	LM3876T	948-6143	9.58	6.96	5.22	– –
3886	NSC	11	TO-220	Hi-Performance 68W Audio Power Amp with mute.	LM3886TF	948-9681	10.46	7.90	6.19	– –
3886	NSC	11	TO-220	High Performance 68 watt Audio Power Amp. with mute and SPiKe Protection	LM3886T	949-3603	12.11	8.80	6.60	– –
4089	ZET	8	SOIC	DC Restoration Amplifier	ZXFV4089N8	SMD 113-2784	8.39	6.29	4.20	3.36
4089	ZET	8	SOIC	DC Restoration Amplifier	ZXFV4089N8.	SMD 772-1447	9.39	7.04	4.70	3.76
4102	MAX	8	SOIC	250MHz, Broadcast Quality, Video Amp	MAX4102ESA+	SMD 118-8063	6.20	4.75	3.64	– –
4112	MAX	8	SOIC	500MHz, Low Power, Current-Mode Feedback Amp. for Video applications	MAX4112ESA+	SMD 118-8064	7.43	5.69	4.36	– –
4190	TI	28	SSOP	Sample Rate Converter, Audio.	SRC4190IDB	SMD 845-2733	16.73	12.81	10.61	9.46
4192	TI	28	SSOP	SAMPLE RATE Converter, AUDIO	SRC4192IDB	SMD 845-2741	26.38	22.05	19.55	17.58
4193	TI	28	SSOP	SAMPLE RATE Converter, AUDIO	SRC4193IDB	SMD 845-2750	26.38	22.05	19.55	17.58
4311	TI	28	SOIC	4-Channel Audio Volume Control.	PGA4311U	SMD 121-2341	19.43	16.69	14.39	12.95
4311	TI	28	SOIC	4-Channel Audio Volume Control.	PGA4311U.	SMD 843-4972	25.99	21.72	19.26	17.33
4411	ADI	24	QSOP	Integrated Triple Video Filter and Buffer	ADA4411-3ARQZ	SMD 107-8234	4.35	3.75	3.12	– –
4545	MAX	20	SSOP	Quad, Low Voltage, Bidirectional RF/Video Switches (SSOP)	MAX4545CAP+	SMD 118-7994	15.00	11.62	7.88	– –
4581	ELAN	8	DIL	Video Sync. Separator	EL4581CN	558-515	9.67	7.84	7.50	– –
4581	INTS	8	SOIC	Video Sync Seperator, 50% Slice, Sample and Hold, Filter	EL4581CSZ	SMD 905-3280	19.24	16.01	12.01	– –
4584	ELAN	16	DIL	Horizontal Genlock	EL4584CN	559-118	21.57	17.39	15.90	– –
4651	NSC	28	DIL	170W Class D Audio Power Amp.	LM4651N	948-9673	11.32	8.55	6.69	– –
4652	NSC	15	TO-220	H-bridge power MOSFET complements the driver circuit, LM4651, for high power audio amplifier solution.	LM4652TA.	412-5368‡	11.46	8.33	6.24	– –
4652	NSC	15	TO-220	H-bridge power MOSFET complements the driver circuit, LM4651, for high power audio amplifier solution.	LM4652TA	948-9720	11.46	8.33	6.24	– –
4652	NSC	15	TO-220	H-bridge power MOSFET complements the driver circuit, LM4651, for high power audio amplifier solution.	LM4652TF	948-9738	11.46	8.33	6.24	– –
4663	NSC	24	TSSOP	2 watt stereo class 'D' audio power amplifier with stereo headphone amplifier	LM4663MT.	SMD 360-6405‡	6.30	4.58	3.43	– –
4663	NSC	24	TSSOP	2 watt stereo class 'D' audio power amplifier with stereo headphone amplifier	LM4663MT	SMD 977-8969	6.30	4.58	3.43	– –
4664	NSC	9	Bump Micro SMD	Filterless High Efficiency 1.1W Switching Audio Amp	LM4664ITL	SMD 823-8863	2.63	1.89	1.35	– –
4667	NSC	10	MSOP	Filterless High Efficiency 1.3W Switching Audio Amp	LM4667MM	SMD 818-1080	3.20	2.23	1.59	– –
4667	NSC	9	Bump Micro SMD	Filterless High Efficiency 1.3W Switching Audio Amp	LM4667ITL	SMD 823-8871	3.34	2.33	1.66	– –
4668	NSC	14	LD	10W High-Efficiency Mono BTL Audio Power Amp	LM4668LD	SMD 823-8669	11.19	8.14	6.10	– –
4671	NSC	9	Bump Micro SMD	Filterless High Efficiency 2.5W Switching Audio Amplifier	LM4671ITL	SMD 100-8016	2.86	2.05	1.46	– –
4680	NSC	9	Bump Micro SMD	10W High-Efficiency Mono BTL Audio Power Amplifier	LM4680SD	SMD 100-8017	10.93	7.94	5.95	– –
4700	NSC	11	TO-220	30 watt Audio Power Amp. with Mute, Standby and SPiKe Protection	LM4700TF.	632-983	7.00	5.09	3.81	– –
4700	NSC	11	TO-220	30 watt Audio Power Amp. with Mute, Standby and SPiKe Protection	LM4700TF	121-5194	8.34	6.06	4.54	– –
4766	NSC	15	TO-220	Dual, 40 watt Audio Power Amp	LM4766T.	121-769‡	12.11	8.80	6.60	– –
4766	NSC	15	TO-220	Dual, 40 watt Audio Power Amp	LM4766T	948-5864	12.11	8.80	6.60	– –
4780	NSC	27	TO-220	120W Mono/60W Stereo Amp	LM4780TA	949-0620	22.22	16.79	13.03	– –
4811	NSC	10	MSOP	Dual 105mW per channel audio power amplifier.	LM4811MM.	SMD 412-5381‡	3.48	2.43	1.73	– –
4811	NSC	10	MSOP	Dual 105mW per channel audio power amplifier.	LM4811MM	SMD 977-9221	3.48	2.43	1.73	– –
4816	NSC	20	TSSOP	1W Stereo Amplifier + Adjustable Output Limiter	LM4816MT	SMD 818-1098	6.67	4.97	3.72	– –
4845	NSC	25	Bump Micro SMD	Output Capacitor-less Audio Subsystem with Programmable National 3D	LM4845ITL	SMD 100-8019	11.63	8.45	6.33	– –
4852	NSC	18	Bump Micro SMD	Integrated Audio Amplifier System.	LM4852ITL	SMD 818-1101	6.08	4.42	3.31	– –
4852	NSC	24	LLP	Integrated Audio Amplifier System.	LM4852LQ	SMD 818-1110	6.08	4.42	3.31	– –
4855	NSC	18	Bump Micro SMD	Integrated Audio Amplifier System.	LM4855ITL	SMD 100-8021	6.08	4.42	3.31	– –
4856	NSC	18	Bump Micro SMD	Integrated Audio Amplifier System.	LM4856ITL	SMD 818-1128	6.08	4.42	3.31	– –
4856	NSC	24	LLP	Integrated Audio Amplifier System.	LM4856LQ	SMD 818-1136	6.08	4.42	3.31	– –
4857	NSC	30	Bump Micro SMD	Stereo 1.2W Audio Sub-System with 3D Enhancement	LM4857ITL	SMD 818-1144	10.23	7.43	5.57	– –
4860	NSC	16	SOIC	1 watt Audio Power Amp with Shutdown Mode	LM4860M.	SMD 539-624‡	3.50	2.56	1.82	– –
4860	NSC	16	SOIC	1 watt Audio Power Amp with Shutdown Mode	LM4860M	SMD 949-0540	3.50	2.56	1.82	– –
4861	NSC	8	SOIC	0.5 watt Audio Power Amp with Shutdown Mode	LM4861M.	SMD 642-678‡	3.65	2.55	1.82	– –
4861	TI	8	SOIC	Power AMP, AUDIO	TPA4861D	SMD 845-6526	2.44	1.87	1.38	1.19
4861	NSC	8	SOIC	0.5 watt Audio Power Amp with Shutdown Mode	LM4861M	SMD 949-3794	3.65	2.56	1.82	– –
4863	NSC	20	TSSOP	Dual, 2.2 watt Amp. with Stereo Headphone function. (TSSOP)	LM4863MT.	SMD 121-782‡	6.08	4.42	3.31	– –
4865	NSC	8	SOIC	750mW Audio Power Amp. with DC vol. and headphone switch	LM4865M.	SMD 332-6822‡	3.52	2.57	1.88	– –
4865	NSC	8	SOIC	750mW Audio Power Amp. with DC vol. and headphone switch	LM4865M	SMD 948-6356	3.52	2.57	1.88	– –
4872	NSC	8	Bump Micro SMD	1 Watt Audio Power Amplifier in micro SMD package	LM4872ITP	SMD 100-8022	3.33	2.36	1.72	– –
4875	NSC	8	SO-8	750mW Audio Power Amplifier with DC Volume Control and Headphone Switch	LM4875M	SMD 100-8023	3.66	2.61	1.86	– –
4879	NSC	8	LLP	1.1 Watt Audio Power Amplifier	LM4879SD	SMD 100-8024	3.82	2.67	1.90	– –
4880	NSC	8	SOIC	Dual 200mW Audio Power Amp. with Shutdown Mode	LM4880M	SMD 949-3921	3.29	2.35	1.67	– –
4882	NSC	8	SOIC	250mW Audio Power Amp. with Shutdown Mode	LM4882M.	SMD 116-970	2.42	1.69	1.20	– –
4882	NSC	8	SOIC	250mW Audio Power Amp. with Shutdown Mode	LM4882M	SMD 121-5182	2.49	1.74	1.24	– –
4890	NSC	8	Bump Micro SMD	1 Watt Audio Power Amplifier	LM4890ITP	SMD 100-8025	3.44	2.40	1.71	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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	Mftr.	Pins	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
4904	NSC	8	Bump Micro SMD	1 Watt Audio Power Amplifier	LM4904ITL	SMD 100-8026	3.46	2.45	1.78	– –
4908	NSC	8	SOIC	10kV ESD Rated, Dual 120 mW Headphone Amplifier	LM4908MA	SMD 818-1152	1.51	1.04	0.75	– –
4908	NSC	8	MSOP	10kV ESD Rated, Dual 120 mW Headphone Amplifier	LM4908MM	SMD 818-1160	1.51	1.04	0.75	– –
4919	NSC	10	MSOP	1.5V, Mono 85mW BTL Output, 14mW Stereo Headphone Audio Amp	LM4919MM	SMD 818-1187	4.24	3.09	2.26	– –
4921	NSC	20	Bump Micro SMD	Low Voltage 16-Bit Stereo DAC with Stereo Headphone Power Amp and Vol Control	LM4921ITL	SMD 818-1195	4.72	3.34	2.44	– –
4938	NSC	28	TSSOP	Stereo 2W Audio Power Amplifiers with DC Volume Control and Selectable Gain	LM4938MH	SMD 100-8027	4.90	3.47	2.53	– –
4940	NSC	9	TO-263	6W Stereo Audio Power Amp	LM4940TS	SMD 818-1209	4.89	3.56	2.66	– –
4950	NSC	9	TO-220	7.5W Mono-BTL or 3.1W Stereo Audio Power Amp.	LM4950TA	818-1217	5.14	3.74	2.80	– –
4950	NSC	9	TO-263	7.5W Mono-BTL or 3.1W Stereo Audio Power Amp.	LM4950TS	SMD 818-1225	5.14	3.74	2.80	– –
4952	NSC	9	TO-263	3.1W Stereo-SE Audio Power Amplifier with DC Volume Control	LM4952TS	SMD 100-8028	5.24	3.95	2.96	– –
5114	ST	16	DIL	RGB Switching Circuit.	TEA5114A.	699-500 ▲	3.01	2.30	1.76	1.55
5147	TI	80	HTQFP	Digital Video Decoder, NTSC/PAL/SECAM 2X10	TVP5147PFPG4	SMD 120-7365	19.59	16.83	14.52	13.06
5150	TI	48	BGA	Ultralow Power NTSC/PAL/SECAM Video Decoder w/Robust Sync Detector	TVP5150AM1ZQC	SMD 996-9195	15.64	11.97	9.91	8.84
5150	TI	32	TQFP	Digital Video Decoder For Funai.	TVP5150AM1PBS	SMD 846-2038	15.64	11.97	9.91	8.84
5642	NSC	28	TSSOP	High Voltage, Dual Synchronous Buck Converter with Oscillator Synchronization.	LM5642MTC	SMD 818-1772	8.34	6.06	4.54	– –
6100	TI	8	SOIC	Power AMP, AUDIO	TPA6100A2D	SMD 845-6569	2.05	1.64	1.29	0.89
6111	TI	8	SOIC	Power AMP, AUDIO	TPA6111A2D	SMD 845-6593	1.64	1.31	1.05	0.71
6120	TI	20	HSOP	Power AMP, AUDIO	TPA6120A2DWPG4	SMD 120-7315	8.36	6.40	4.88	4.30
6181	NSC	16	SOIC	100mA, 100MHz Current Feedback Amp.	LM6181IM.	SMD 332-7061 ‡	5.04	3.77	2.83	– –
6181	NSC	16	SOIC	100mA, 100MHz Current Feedback Amp.	LM6181IM	SMD 948-6488	5.04	3.77	2.83	– –
6211	TI	8	HTSSOP	Power AMP, AUDIO	TPA6211A1DGNG4	SMD 120-7316	2.54	1.94	1.43	1.24
6572	NSC	16	SSOP	Triple 2:1 High Speed Video Multiplexer.	LMH6572MQ	SMD 823-8758	13.66	10.32	8.08	– –
6574	NSC	1	SOIC	4:1 High Speed Video Multiplexer	LMH6574MA	100-8275	10.71	7.79	5.83	– –
6683	NSC	14	TSSOP	190MHz Single Supply, Triple Operational Amplifiers.	LMH6683MT	SMD 818-0830	5.76	4.19	3.14	– –
6704	NSC	8	SOIC	650 MHz Programmable Gain Buffer with Disable	LMH6704MA	SMD 100-8277	6.94	5.05	3.78	– –
6704	NSC	6	SOT-23	650 MHz Programmable Gain Buffer with Disable	LMH6704MF	SMD 100-8278	6.94	5.05	3.78	– –
6714	NSC	8	SOIC	Single, Wideband Video Op Amp	LMH6714MA	SMD 818-0857	5.76	4.08	2.98	– –
6714	NSC	5	SOT-23	Single, Wideband Video Op Amp	LMH6714MF	SMD 818-0865	5.76	4.08	2.98	– –
6720	NSC	8	SOIC	Single, Wideband Video Op Amp with Shutdown	LMH6720MA	SMD 818-0873	4.89	3.56	2.66	– –
6720	NSC	6	SOT-23	Single, Wideband Video Op Amp with Shutdown	LMH6720MF	SMD 818-0881	4.89	3.56	2.66	– –
6722	NSC	14	SOIC	Quad, Wideband Video Op Amp	LMH6722MA	SMD 818-0890	9.96	7.28	5.45	– –
6732	NSC	8	SOIC	High Speed Op Amp with Adjustable Bandwidth	LMH6732MA	SMD 818-0954	10.84	8.45	6.61	– –
6738	NSC	16	SSOP	Very Wideband, Low Distortion Triple Op Amp.	LMH6738MQ	SMD 818-0970	11.16	8.45	6.33	– –
7010	PS	16	SOIC	FM Radio Circuit. RF input stage, mixer, local oscillator IF amp/limiter...	TDA7010T/V3	SMD 121-1740	3.64	2.91	2.19	1.99
7052	PS	8	DIL	1 watt, BTL, Low Voltage Audio Power Amp. with DC volume control...	TDA7052A/N2	526-198	3.04	2.43	2.19	1.82
7121	NSC	8	SOIC	200MHz, High Speed, Low Power Voltage Feedback Amp	LM7121IM	SMD 949-4120	4.75	3.45	2.59	– –
7256	ST	11	Multiwatt	30 watt Protected Bridge Car Radio Power Amp	TDA7256	699-482 ▲	13.52	10.35	8.57	7.64
8011	ADI	8	DIL	300MHz, Current Feedback Video Amp	AD8011ANZ	114-3188	6.86	5.72	4.57	– –
8012	ADI	8	SOIC	Dual, 350MHz Low Power Current Feedback Video Amp	AD8012ARZ	SMD 960-3719	5.76	4.38	– –	– –
8023	ADI	14	SOIC	Triple, High Current output Video Amp.	AD8023ARZ	SMD 114-3185	13.76	11.47	9.17	– –
8036	ADI	8	DIL	Low Distortion, Wide Bandwidth Voltage Feedback Clamp Amp	AD8036ANZ	107-9409	13.72	11.43	9.14	– –
8037	ADI	8	DIL	Low Distortion, 240MHz bandwidth Clamping Amp	AD8037ANZ	107-9416	12.09	10.35	8.61	– –
8055	ADI	8	DIL	300MHz, Voltage Feedback Operational Amp with bandwidth and slew rate typical of Current Feedback Amps	AD8055ANZ	107-9307	2.49	2.13	1.77	– –
8056	ADI	8	DIL	Dual, 300MHz Voltage Feedback Operational Amp with bandwidth and slew rate typical of Current Feedback Amps	AD8056ANZ	107-9308	5.13	4.28	3.42	– –
8057	ADI	8	SOIC	325MHz, High Performance Voltage Feedback Amp	AD8057ARZ	SMD 942-5713	2.49	2.13	1.77	– –
8058	ADI	8	SOIC	325MHz, Dual, High Performance Voltage Feedback Amp	AD8058ARZ	SMD 942-5721	5.13	4.28	3.42	– –
8072	ADI	8	DIL	Dual, Video Amp., Single Supply +5 to +12V, 100MHz -3dB Bandwidth	AD8072JNZ	960-3980	4.81	4.01	3.20	– –
8552	PS	20	SOIC	2 x 1.4W BTL Audio Amplifier with Digital Volume Control and Headphone Sensing	TDA8552T/N1.112	SMD 880-0480	7.68	5.24	4.20	– –
8943	PS	9	SIL	6W Mono Bridge Tied Load (BTL) Audio Amplifier	TDA8943SF/N1.112	880-0472	4.04	2.77	2.18	– –
9631	ADI	8	DIL	320MHz Ultra Low Distortion Operational Amp	AD9631ANZ	107-9418	13.72	11.43	9.14	– –
20124	IR	14	SOIC	Digital Audio Driver with Discrete Dead-Time and Protection, High and Low Side Driver	IRS20124SPBF	SMD 108-0637	9.79	7.02	5.36	4.61
33078	ST	8	DIL	Low Noise, Dual Audio Amp	MC33078N.	504-890 ▲ ‡	1.58	1.21	0.94	0.81
33078	ON	8	DIL	Low Noise, Dual Audio Amp	MC33078PG	966-4980	1.91	1.71	1.62	1.50
33078	ON	8	SOIC	Low Noise, Dual Audio Amp	MC33078DG	SMD 966-5323	2.61	2.42	2.15	2.04
33078	ST	8	DIL	Low Noise, Dual Audio Amp	MC33078N	975-6361	1.58	1.21	0.94	0.81
33079	ON	14	DIL	Low Noise, Quad Audio Amp	MC33079PG	966-5030	2.11	1.91	1.80	1.66
33079	ON	14	SOIC	Low Noise, Quad Audio Amp	MC33079DG	SMD 966-5331	2.85	2.66	2.53	2.39
34018	FSL	28	DIL	Voice Switched Speakerphone Circuit	MC34018EC	120-8504	4.99	3.05	2.72	– –
34118	FSL	28	DIL	Voice Switched Speakerphone Circuit, operates from a power supply or telephone line	MC34118P	793-048	9.49	5.88	5.23	– –
87352	NSC	176	LQFP	+3.3V TFT-LCD Timing Controller with Single LVDS Input/Dual RSDS Outputs Including RTC for TFT-LCD Monitors and TV (XGA/WXGA/HDTV I,II-)	FPD87352CXAVV	SMD 823-8634	21.95	16.59	12.87	– –

Voltage Reference Diodes

416073

	Mftr.	Pins	Pkg	Voltage Ref (V)	Tol (%)	Temp Coeff (ppm/°C)	Operating Temp (°C) Min	Max	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
1004	LT	8	SOIC	◆ 1.2	–	20	0	70	LT1004CS8-1.2	SMD 476-6910 ▲	5.46	4.62	4.02	– –
1004	LT	8	SOIC	◆ 1.2	–	20	0	70	LT1004CS8-1.2#PBF	SMD 955-9191	5.63	3.61	2.93	– –
4051	NSC	3	SOT-23	◆ 1.2	0.1	50	-40	85	LM4051AIM3-1.2.	SMD 332-6664 ‡	5.04	3.77	2.83	– –
4051	NSC	3	SOT-23	◆ 1.2	0.1	50	-40	85	LM4051AIM3-1.2	SMD 977-8560	5.04	3.77	2.83	– –
4051	NSC	3	SOT-23	◆ 1.2	0.2	50	-40	85	LM4051BIM3-1.2.	SMD 332-6688 ‡	4.00	2.92	2.13	– –
4051	NSC	3	SOT-23	◆ 1.2	0.2	50	-40	85	LM4051BIM3-1.2	SMD 977-8586	4.00	2.92	2.13	– –
4051	NSC	3	SOT-23	◆ 1.2	0.5	50	-40	85	LM4051CIM3-1.2.	SMD 332-6706 ‡	3.64	2.71	1.97	– –
4051	NSC	3	SOT-23	◆ 1.2	0.5	50	-40	85	LM4051CIM3-1.2	SMD 977-8608	3.64	2.71	1.97	– –
6120	MAX	3	SOT-23	◆ 1.2	1.0	30	-40	85	MAX6120EUR+T	SMD 118-8066	3.75	2.87	2.05	– –
125	ZET	3	SOT-23	◆ 1.22	0.5	90	-40	85	ZXRE125CFTA	SMD 113-2736	4.06	3.04	2.03	1.62
125	ZET	3	SOT-23	◆ 1.22	1.0	90	-40	85	ZXRE125DFTA	SMD 113-2737	2.94	2.21	1.47	1.18
125	ZET	3	E-Line	◆ 1.22	1.0	90	-40	85	ZXRE125DR	113-2739	3.11	2.33	1.56	1.24
125	ZET	3	SOT-23	◆ 1.22	2.0	90	-40	85	ZXRE125EFTA	SMD 113-2741	2.40	1.80	1.20	0.96

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Voltage Ref (V)	Tol (%)	Temp Coeff (ppm/°C)	Operating Temp (°C) Min	Max	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+
125	ZET	3	E-Line	◆ 1.22	2.0	90	-40	85	ZXRE125ER	113-2742	2.53	1.90	1.26	1.01
125	ZET	3	SOT-23	◆ 1.22	3.0	90	-40	85	ZXRE125FFTA	SMD 113-2746	2.18	1.64	1.09	0.87
1004	ZET	3	SOT-23	◆ 1.22	0.5	75	-40	85	ZXRE1004CFTA	SMD 113-2732	4.06	3.04	2.03	1.62
1004	ZET	3	SOT-23	◆ 1.22	1.0	75	-40	85	ZXRE1004DFTA	SMD 113-2733	2.87	2.15	1.44	1.15
1004	ZET	3	SOT-23	◆ 1.22	2.0	75	-40	85	ZXRE1004EFTA	SMD 113-2734	2.42	1.81	1.21	0.97
1004	ZET	3	E-Line	◆ 1.22	2.0	75	-40	85	ZXRE1004ER	113-2735	4.90	3.67	2.45	1.96
5010	MP	2	TO-92	◆ 1.22	–	100	0	70	MP5010GN	112-5526	3.90	2.97	2.88	– –
1034	LT	3	TO-92	◆ 1.225	1.0	20	0	70	LT1034BCZ-1.2	295-887▲	10.45	6.65	5.58	4.92
1034	LT	3	TO-92	◆ 1.225		20	0	70	LT1034BCZ-1.2#PBF	955-9507	10.45	6.65	5.58	4.92
4041	NSC	3	SOT-23	◆ 1.225	0.1	150	-40	85	LM4041DIM3-1.2.	SMD 271-299‡	1.90	1.35	0.98	– –
4041	NSC	3	SOT-23	◆ 1.225	0.1	150	-40	85	LM4041DIM3-1.2	SMD 977-8349	1.90	1.35	0.98	– –
4041	NSC	3	TO-92	◆ 1.225	0.1	150	-40	85	LM4041DIZ-1.2.	270-829‡	1.90	1.35	0.98	– –
4041	NSC	3	TO-92	◆ 1.225	0.1	150	-40	85	LM4041DIZ-1.2	948-5988	1.90	1.35	0.98	– –
4041	ZET	3	SOT-23	◆ 1.225	0.5	75	-40	85	ZXRE4041CFTA	SMD 113-2744	4.06	3.04	2.03	1.62
4041	ZET	3	SOT-23	◆ 1.225	1.0	75	-40	85	ZXRE4041DFTA	SMD 113-2745	2.94	2.21	1.47	1.18
285	ON	3	TO-92	◆ 1.235		80	-40	85	LM285Z-1.2G	966-5439	1.32	1.06	0.91	0.66
385	ON	3	TO-92	◆ 1.235		80	0	70	LM385BZ-1.2G	966-4521	1.24	0.99	0.86	0.62
385	NSC	8	SOIC	◆ 1.235	0.3	150	0	70	LM385M-1.2.	SMD 410-974‡	1.80	1.24	0.90	– –
385	NSC	8	SOIC	◆ 1.235	0.3	150	0	70	LM385M-1.2	SMD 948-8421	1.80	1.24	0.90	– –
385	NSC	3	SOT-23	◆ 1.235	0.3	150	0	70	LM385M3-1.2	SMD 977-8152	2.59	1.81	1.29	– –
385	ON	3	TO-92	◆ 1.235	1.0	150	0	70	LM385Z-1.2G	118-2958	1.53	1.01	0.98	0.85
385	NSC	3	TO-92	◆ 1.235	1.0	150	0	70	LM385Z-1.2	948-8430	1.75	1.21	0.87	– –
1004	LT	3	TO-92	◆ 1.235	–	20	0	70	LT1004CZ1.2	410-998▲	5.28	3.36	2.82	2.49
1004	LT	3	TO-92	◆ 1.235	–	20	0	70	LT1004CZ12#PBF	955-9205	5.28	3.36	2.82	2.49
1004	TI	8	SOIC	◆ 1.235	–	20	-40	85	LT1004ID-1-2G4	NEW SMD 958-9708	5.34	4.09	3.12	2.75
125	ZET	3	SOT-23	◆ 1.25	3.0	90	-40	85	ZRA125F03	SMD 113-2780	2.18	1.64	1.09	0.87
4120	NSC	5	SOT-23	◆ 1.8	0.2	50	-40	85	LM4120AIM5-1.8	SMD 977-8772	5.76	4.08	2.98	– –
4120	NSC	5	SOT-23	◆ 2	0.2	50	-40	85	LM4120AIM5-2.0	SMD 977-8780	5.76	4.08	2.98	– –
420	AD	8	SOIC	2.048	0.15	3	-40	125	ADR420ARZ	SMD 942-6086	7.83	6.57	5.01	– –
431	TS	8	SOIC	2.495	1.0	50	-20	85	TS431ACS	SMD 720-8545	1.95	1.63	1.11	– –
431	TS	3	TO-92	2.495	1.0	50	-20	85	TS431ACT	720-8529	1.30	1.11	0.75	– –
431	TS	3	SOT-23	2.495	1.0	50	-20	85	TS431ACX	SMD 720-8561	1.95	1.63	1.11	– –
431	TS	8	SOIC	2.495	0.5	50	-20	85	TS431BCS	SMD 720-8553	2.28	1.92	1.27	– –
431	TS	3	TO-92	2.495	0.5	50	-20	85	TS431BCT	720-8537	1.63	1.37	0.91	– –

◆ = Micropower

416080

	Mftr.	Pins	Pkg	Voltage Ref (V)	Tol (%)	Temp Coeff (ppm/°C)	Operating Temp (°C) Min	Max	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
03	AD	8	DIL	2.5	0.6	50	-40	85	REF03GPZ	107-9388	3.07	2.56	2.05	– –	– –
03	AD	8	SOIC	2.5	0.6	50	-40	85	REF03GSZ	SMD 942-5853	2.31	2.13	1.95	– –	– –
43	AD	8	DIL	◆2.5	0.1	25	-40	85	REF43GPZ	960-5100	10.41	8.31	6.93	– –	– –
192	AD	8	DIL	◆2.5	–	25	-40	85	REF192GPZ	960-5398	3.40	2.84	2.27	– –	– –
192	AD	8	SOIC	◆2.5	–	5	-40	85	REF192GSZ	SMD 960-5207	3.40	2.84	2.27	– –	– –
250	ZET	3	SOT-23	◆2.5	2.0	90	-40	85	ZRA250F02	SMD 113-2781	2.64	1.99	1.32	1.06	– –
250	ZET	3	E-Line	◆2.5	1.0	90	-40	85	ZRC250A01	113-2704	3.11	2.33	1.56	1.24	– –
250	ZET	3	E-Line	◆2.5	3.0	90	-40	85	ZRC250A03	113-2705	2.30	1.72	1.15	0.92	– –
250	ZET	3	SOT-23	◆2.5	1.0	90	-40	85	ZRC250F01TA	SMD 113-2706	2.94	2.21	1.47	1.18	– –
250	ZET	3	SOT-23	◆2.5	2.0	90	-40	85	ZRC250F02TA	SMD 113-2730	2.40	1.80	1.20	0.96	– –
250	ZET	3	SOT-23	◆2.5	3.0	90	-40	85	ZRC250F03TA	SMD 113-2707	2.18	1.64	1.09	0.87	– –
250	ZET	3	E-Line	◆2.5	1.0	90	-40	85	ZRC250R01	113-2748	3.11	2.33	1.56	1.24	– –
250	ZET	2	E-Line	◆2.5	1.0	90	-40	85	ZRC250Y01	113-2708	3.11	2.33	1.56	1.24	– –
250	ZET	2	E-Line	◆2.5	2.0	90	-40	85	ZRC250Y02	113-2731	2.53	1.90	1.26	1.01	– –
250	ZET	2	E-Line	◆2.5	3.0	90	-40	85	ZRC250Y03	113-2709	2.30	1.72	1.15	0.92	– –
285	ON	3	TO-92	◆2.5		80	-40	85	LM285Z-2.5G	966-5447	1.32	1.06	0.91	0.66	– –
336	NSC	3	TO-92	2.5	1.0	54	0	70	LM336BZ-2.5	948-8448	3.11	2.17	1.55	– –	– –
336	NSC	8	SOIC	2.5	1.0	54	0	70	LM336M-2.5	SMD 948-8456	1.87	1.30	0.95	– –	– –
336	ST	3	TO-92	2.5	1.0	54	0	70	LM336Z	109-4252	3.47	2.65	2.37	1.68	– –
336	NSC	3	TO-92	2.5	1.0	54	0	70	LM336Z-2.5	948-8464	1.87	1.30	0.95	– –	– –
385	ON	8	SOIC	◆2.5	1.5	150	0	70	LM385D-2.5G	SMD 121-1107	1.79	1.01	0.94	– –	– –
385	NSC	3	SOT-23	◆2.5	0.8	150	0	70	LM385M3-2.5	SMD 977-8160	2.59	1.81	1.29	– –	– –
385	ON	3	TO-92	◆2.5	3.0	150	0	70	LM385Z-2.5G	121-1141	1.53	1.01	0.98	0.85	– –
385	NSC	3	TO-92	◆2.5	3.0	150	0	70	LM385Z-2.5	948-8472	1.75	1.21	0.87	– –	– –
421	AD	8	SOIC	2.5	0.12	10	-40	125	ADR421ARZ	SMD 942-6094	7.83	6.57	5.01	– –	– –
580	AD	3	TO-52	2.5	0.4	85	0	70	AD580JH	633-100▲	7.72	6.44	5.15	– –	– –
680	AD	3	TO-92	2.5	0.4	30	0	70	AD680JTZ	107-9389	5.07	4.26	3.27	– –	– –
780	AD	8	DIL	2.5	–	7	-40	85	AD780ANZ	960-5550	11.94	9.99	7.62	– –	– –
1004	TI	8	SOIC	◆2.5	–	20	0	70	LT1004CD-2-5G4	NEW SMD 958-9694	1.64	1.31	1.05	0.71	– –
1004	LT	3	TO-92	◆2.5	–	20	0	70	LT1004CZ25	411-220▲	5.28	3.36	2.82	2.49	– –
1004	LT	3	TO-92	◆2.5	–	20	0	70	LT1004CZ25#PBF	955-9213	5.28	3.36	2.82	2.49	– –
1009	TI	8	SOIC	2.5	0.2	25	0	70	LT1009CD	NEW SMD 958-9716	1.88	1.50	1.18	0.82	– –
1009	TI	3	TO-92	2.5	0.2	25	0	70	LT1009CLPG4	NEW 958-9724	3.56	2.72	2.00	1.73	– –
1009	LT	3	TO-92	2.5	0.2	25	0	70	LT1009CZ	246-578▲	5.19	3.36	2.82	2.49	– –
1009	LT	3	TO-92	2.5	0.2	25	0	70	LT1009CZ#PBF	955-9256	5.28	3.36	2.82	2.49	– –
1009	TI	8	SOIC	2.5	0.2	25	-40	85	LT1009ID	SMD 958-9732	2.05	1.64	1.29	0.89	– –
1009	LT	3	TO-92	2.5	0.2	35	-40	85	LT1009IZ	476-6933▲	7.83	6.63	5.70	– –	– –
1009	LT	3	TO-92	2.5	0.2	35	-40	85	LT1009IZ#PBF	955-9264	8.05	5.16	4.20	– –	– –
1009	LT	8	SOIC	2.5	0.2	25	0	70	LT1009S8	476-6945▲	5.91	5.04	4.32	– –	– –
1009	LT	8	SOIC	2.5	0.2	25	0	70	LT1009S8#PBF	955-9272	6.10	3.91	3.18	– –	– –
1019	LT	8	DIL	2.5	0.2	20	0	70	LT1019CN8-2.5	638-407▲	15.29	9.74	8.17	7.19	– –
1019	LT	8	DIL	2.5	0.2	20	0	70	LT1019CN8-2.5#PBF	955-9396	15.29	9.74	8.17	7.19	– –
1019	LT	8	SOIC	2.5	0.2	20	0	70	LT1019CS8-2.5	SMD 476-7019▲	15.87	13.50	11.58	– –	– –
1019	LT	8	SOIC	2.5	0.2	20	0	70	LT1019CS8-2.5#PBF	SMD 955-9426	16.38	10.50	8.54	– –	– –
1403	ON	8	SOIC	2.5	–	10	0	70	MC1403DG	SMD 121-1111	4.69	3.58	3.52	– –	– –
1525	MCHIP	3	SOT-23	2.5	1.0	50	-40	85	MCP1525T-I/TT	SMD 975-8500	1.22	1.02	0.81	– –	– –
4040	NSC	3	SOT-23	◆2.5	0.1	100	-40	85	LM4040AIM3-2.5	SMD 335-8513	3.39	2.60	2.19	– –	– –
4040	NSC	5	SC-70	◆2.5	0.2	100	-40	85	LM4040BIM7-2.5.	SMD 360-6338‡	3.09	2.26	1.65	– –	– –
4040	NSC	5	SC-70	◆2.5	0.2	100	-40	85	LM4040BIM7-2.5	SMD 977-8934	3.09	2.26	1.65	– –	– –
4040	NSC	3	SOT-23	◆2.5	0.1	150	-40	85	LM4040DIM3-2.5	SMD 977-8322	1.90	1.35	0.98	– –	– –
4040	NSC	3	TO-92	◆2.5	0.1	150	-40	85	LM4040DIZ-2.5	948-5961	1.90	1.35	0.98	– –	– –
4120	NSC	5	SOT-23	◆2.5	0.2	50	-40	85	LM4120AIM5-2.5	SMD 977-8799	5.76	4.08	2.98	– –	– –

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

	Mftr.	Pins	Pkg	Voltage Ref (V)	Tol (%)	Temp Coeff (ppm/°C)	Operating Temp (°C) Min	Max	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
4431	NSC	3	SOT-23	◆2.5	2.0	30	0	70	LM4431M3-2.5	SMD 977-9639	2.20	1.59	1.13	– –	– –
6002	MAX	3	SOT-23	◆2.5	1.0	100	-40	85	MAX6002EUR	SMD 301-2578▲‡	2.02	1.55	1.11	– –	– –
6002	MAX	3	SOT-23	◆2.5		100	-40	85	MAX6002EUR+	SMD 972-4044	2.02	1.55	1.11	– –	– –
6325	MAX	8	SOIC	2.5	0.2	0.5	0	70	MAX6325CSA+	SMD 118-7996	35.80	26.04	21.97	– –	– –
40401	ZET	3	SOT-23	◆2.5	1.0	100	-40	85	ZR40401F2.5TA	SMD 113-2788	1.73	1.30	0.86	0.69	– –

◆ = Micropower

416089

	Mftr.	Pins	Pkg	Voltage Ref (V)	Tol (%)	Temp Coeff (ppm/°C)	Operating Temp (°C) Min	Max	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
4120	NSC	5	SOT-23	◆3	0.2	50	-40	85	LM4120AIM5-3.0.	SMD 332-7103‡	5.76	4.08	2.98	– –	– –
4120	NSC	5	SOT-23	◆3	0.2	50	-40	85	LM4120AIM5-3.0	SMD 977-8802	5.76	4.08	2.98	– –	– –
330	ZET	3	E-Line	◆3.3	1.0	50	-40	85	ZRC330A01	113-2710	3.11	2.33	1.56	1.24	– –
330	ZET	3	E-Line	◆3.3	3.0	50	-40	85	ZRC330A03	113-2711	2.30	1.72	1.15	0.92	– –
330	ZET	3	SOT-23	◆3.3	1.0	50	-40	85	ZRC330F01TA	SMD 113-2712	2.94	2.21	1.47	1.18	– –
330	ZET	3	SOT-23	◆3.3	3.0	90	-40	85	ZRC330F03TA	SMD 113-2713	2.18	1.64	1.09	0.87	– –
4120	NSC	5	SOT-23	◆3.3	0.2	50	-40	85	LM4120AIM5-3.3.	SMD 332-7115‡	5.76	4.08	2.98	– –	– –
4120	NSC	5	SOT-23	◆3.3	0.2	50	-40	85	LM4120AIM5-3.3	SMD 977-8810	5.76	4.08	2.98	– –	– –
040	ZET	3	SOT-223	4	1.0	50	0	70	ZRT040GC1TA	SMD 113-2777	4.54	3.40	2.27	1.81	– –
400	ZET	2	E-Line	◆4.096	2.0	90	-40	85	ZRC400A02	113-2747	2.53	1.90	1.26	1.01	– –
1541	MCHIP	3	SOT-23	4.096	1.0	50	-40	85	MCP1541T-I/TT	SMD 108-4310	1.22	1.02	0.81	– –	– –
6004	MAX	3	SOT-23	◆4.096	1.0	100	-40	85	MAX6004EUR	SMD 301-2591▲‡	2.02	1.55	1.11	– –	– –
6004	MAX	3	SOT-23	◆4.096		100	-40	85	MAX6004EUR+	SMD 972-4052	2.02	1.55	1.11	– –	– –
6341	MAX	8	SOIC	4.096	0.02	0.5	0	70	MAX6341CSA+	SMD 118-7921	30.11	24.58	20.83	– –	– –
400	ZET	3	E-Line	◆4.1	1.0	90	-40	85	ZRC400A01	113-2715	3.11	2.33	1.56	1.24	– –
400	ZET	3	E-Line	◆4.1	3.0	90	-40	85	ZRC400A03	113-2716	2.30	1.72	1.15	0.92	– –
400	ZET	3	SOT-23	◆4.1	1.0	90	-40	85	ZRC400F01TA	SMD 113-2717	2.94	2.21	1.47	1.18	– –
400	ZET	3	SOT-23	◆4.1	3.0	90	-40	85	ZRC400F03TA	SMD 113-2718	2.18	1.64	1.09	0.87	– –
4040	NSC	3	TO-92	◆4.1	0.1	150	-40	85	LM4040DIZ-4.1	948-6100	1.90	1.35	0.98	– –	– –
4120	NSC	5	SOT-23	◆4.1	0.2	50	-40	85	LM4120AIM5-4.1.	SMD 332-7127‡	5.58	3.95	2.88	– –	– –
4120	NSC	5	SOT-23	◆4.1	0.2	50	-40	85	LM4120AIM5-4.1	SMD 977-8829	5.76	4.08	2.98	– –	– –
40401	ZET	3	SOT-23	◆4.1	1.0	90	-40	85	ZR40401F41TA	SMD 113-2720	1.73	1.30	0.86	0.69	– –
40401	ZET	3	E-Line	◆4.1	1.0	90	-40	85	ZR40401R41	113-2719	3.11	2.33	1.56	1.24	– –
194	AD	8	DIL	◆4.5	–	10	-40	85	REF194GP	788-843▲‡	4.15	3.46	2.76	– –	– –
194	AD	8	DIL	◆4.5	–	10	-40	85	REF194GPZ	960-5592	3.40	2.84	2.27	– –	– –
02	BB	8	DIL	5	0.2	25	-40	85	REF02APG4	117-8427	6.07	4.65	3.55	3.12	– –
02	BB	8	DIL	5	0.2	25	-40	85	REF02AP	109-7442	7.96	6.09	4.65	4.09	– –
02	AD	8	DIL	5	0.2	65	-40	85	REF02CPZ	107-9390	3.19	2.66	2.12	– –	– –
02	AD	8	SOIC	5	0.2	65	-40	85	REF02CSZ	SMD 942-6159	3.02	2.52	2.02	– –	– –
02	MAX	8	SOIC	5	0.2	10	0	75	REF02CSA+	SMD 118-7943	8.70	6.30	4.53	– –	– –
02	AD	8	DIL	5	0.2	25	0	70	REF02HPZ	960-5118	4.86	4.05	3.24	– –	– –
250	ZET	3	E-Line	◆5	2.0	50	-40	85	ZRC250A02	113-2729	2.53	1.90	1.26	1.01	– –
336	NSC	8	SOIC	5	1.0	54	0	70	LM336BM-5.0	SMD 948-8480	3.11	2.17	1.55	– –	– –
336	NSC	3	TO-92	5	1.0	54	0	70	LM336BZ-5.0.	411-322‡	3.11	2.17	1.55	– –	– –
336	NSC	3	TO-92	5	1.0	54	0	70	LM336BZ-5.0	948-8499	3.11	2.17	1.55	– –	– –
336	NSC	3	TO-92	5	1.0	54	0	70	LM336Z-5.0	948-8502	1.87	1.30	0.95	– –	– –
500	ZET	3	E-Line	◆5	1.0	50	-40	85	ZRB500A01	113-2786	3.11	2.33	1.56	1.24	– –
500	ZET	3	E-Line	◆5	2.0	50	-40	85	ZRB500A02	113-2765	2.53	1.90	1.26	1.01	– –
500	ZET	3	SOT-23	◆5	1.0	50	-40	85	ZRB500F01TA	SMD 113-2721	2.94	2.21	1.47	1.18	– –
500	ZET	3	SOT-23	◆5	2.0	50	-40	85	ZRB500F02TA	SMD 113-2728	2.40	1.80	1.20	0.96	– –
500	ZET	3	SOT-23	◆5	3.0	50	-40	85	ZRB500F03TA	SMD 113-2722	2.18	1.64	1.09	0.87	– –
500	ZET	3	E-Line	◆5	1.0	50	-40	85	ZRB500R01	113-2749	3.11	2.33	1.56	1.24	– –
500	ZET	2	E-Line	◆5	1.0	50	-40	85	ZRB500Y01	113-2723	3.11	2.33	1.56	1.24	– –
586	AD	8	DIL	5	–	25	0	70	AD586JNZ	960-5126	7.20	6.18	5.16	– –	– –
586	AD	8	SOIC	5	–	25	0	70	AD586JRZ	SMD 942-6167	7.68	6.57	5.46	– –	– –
1019	LT	8	DIL	5	0.05	5	0	70	LT1019ACN85	476-6994▲	21.33	18.12	15.51	– –	– –
1019	LT	8	DIL	5	0.05	5	0	70	LT1019ACN85#PBF	955-9388	22.01	14.11	11.37	– –	– –
1019	LT	8	DIL	5	0.2	20	0	70	LT1019CN8-5.0	638-419▲	14.37	9.15	7.68	6.76	– –
1019	LT	8	DiL	5	0.2	20	0	70	LT1019CN8-5#PBF	955-9400	13.45	8.62	7.01	– –	– –
1027	LT	8	DIL	5	–	3	0	70	LT1027CCN8-5	295-954▲	18.63	11.86	9.96	8.76	– –
1027	LT	8	DIL	5	–	3	0	70	LT1027CCN8-5#PBF	955-9450	18.63	11.86	9.96	8.76	– –
1027	LT	8	SOIC	5	–	3	0	70	LT1027CCS85	SMD 476-7032▲	20.97	17.10	14.37	– –	– –
1027	LT	8	SOIC	5	–	3	0	70	LT1027CCS85#PBF	SMD 955-9469	18.57	11.90	9.68	– –	– –
4040	NSC	3	SOT-23	◆5	0.1	100	-40	85	LM4040AIM3-5.0	SMD 416-0666	3.39	2.60	2.19	– –	– –
4040	NSC	5	SC-70	◆5	0.2	100	-40	85	LM4040BIM7-5.0.	SMD 360-6340‡	3.05	2.16	1.57	– –	– –
4040	NSC	5	SC-70	◆5	0.2	100	-40	85	LM4040BIM7-5.0	SMD 977-8942	3.09	2.26	1.65	– –	– –
4040	NSC	3	SOT-23	◆5	1.0	150	-40	85	LM4040DIM3-5.0	SMD 977-8330	1.90	1.35	0.98	– –	– –
4040	NSC	3	TO-92	◆5	1.0	150	-40	85	LM4040DIZ-5.0	948-5970	1.90	1.35	0.98	– –	– –
6350	MAX	8	SOIC	5	0.02	1	0	70	MAX6350CSA+	SMD 118-7923	30.90	23.00	16.72	– –	– –
4120	NSC	5	SOT-23	◆5	0.2	50	-40	85	LM4120AIM5-5.0	SMD 977-8837	5.76	4.08	2.98	– –	– –
40401	ZET	3	SOT-23	◆5	1.0	100	-40	85	ZR40401F5	SMD 113-2789	1.73	1.30	0.86	0.69	– –
40401	ZET	3	E-Line	◆5	1.0	90	-40	85	ZR40401R5	113-2724	3.11	2.33	1.56	1.24	– –
329	NSC	3	TO-92	6.9	5.0	100	0	70	LM329DZ	948-8510	2.74	1.91	1.36	– –	– –
01	AD	8	DIL	10	0.3	65	-40	85	REF01CPZ	960-5134	3.19	2.66	2.12	– –	– –
01	MAX	8	SOIC	10		10	0	75	REF01CSA+	SMD 118-7944	7.00	5.36	3.82	– –	– –
01	AD	8	SOIC	10	0.3	65	-40	85	REF01CSZ	SMD 960-5142	3.02	2.52	2.02	– –	– –
01	AD	8	DIL	10	0.3	25	0	70	REF01HPZ	960-5150	4.86	4.05	3.24	– –	– –
102	BB	8	DIL	10	0.0025	10	-25	85	REF102AP	109-7429▲	7.70	5.89	4.50	3.96	– –
102	BB	8	DIL	10	0.0025–	10	-25	85	REF102AP	109-7429▲	7.70	5.89	4.50	3.96	– –
581	AD	3	TO-5	10	–	30	0	70	AD581JH	633-112▲	10.86	9.30	7.71	– –	– –
584	AD	3	TO-5	10	–	30	0	70	AD581KH	441-4640▲	20.53	17.11	13.69	– –	– –
587	AD	8	DIL	10	–	20	0	70	AD587JNZ	960-5169	6.75	5.73	4.80	– –	– –
587	AD	8	SOIC	10	–	20	0	70	AD587JRZ	SMD 942-6175	7.68	6.57	5.46	– –	– –
4040	NSC	3	TO-92	◆10	1.0	150	-40	85	LM4040DIZ-10.0	948-6097	1.90	1.35	0.98	– –	– –

◆ = Micropower

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

416090

	Mftr.	Pins	Pkg	Voltage Ref (V)	Tol (%)	Temp Coeff (ppm/°C)	Operating Temp (°C) Min	Max
385	NSC	3	TO-92	◆1.24 to 5.3	2.0	30	0	70
385	NSC	3	TO-92	◆1.24 to 5.3	2.0	30	0	70
385	NSC	8	SOIC	◆1.24 to 5.3	2.0	150	0	70
385	NSC	3	TO-92	◆1.24 to 5.3	2.0	150	0	70
385	NSC	3	TO-92	◆1.24 to 5.3	2.0	150	0	70
4041	NSC	3	TO-92	◆1.225 to 10	1.0	150	-40	85
4041	NSC	3	TO-92	◆1.225 to 10	1.0	150	-40	85
4051	NSC	3	SOT-23	◆1.24 to 10	0.1	50	-40	85
4051	NSC	3	SOT-23	◆1.24 to 10	0.1	50	-40	85
4051	NSC	3	SOT-23	◆1.24 to 10	0.2	50	-40	85
4051	NSC	3	SOT-23	◆1.24 to 10	0.5	50	-40	85
4051	NSC	3	SOT-23	◆1.24 to 10	0.5	50	-40	85
584	AD	3	TO-5	2.5, 5.0, 7.5, 10	–	30	0	70
584	AD	8	DIL	2.5, 5.0, 7.5, 10	–	30	0	70
588	AD	16	DIL	± 10	–	3	0	70
1431	TI	8	SOIC	2.5 to 36	0.4	23	0	70
1431	TI	3	TO-92	2.5 to 36	0.4	23	0	70

Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
LM385BXZ.	953-829‡	5.58	4.13	3.01	– –	– –
LM385BXZ	949-4537●	5.58	4.13	3.01	– –	– –
LM385M	SMD 121-5208●	1.80	1.24	0.90	– –	– –
LM385Z.	411-681‡	1.75	1.21	0.87	– –	– –
LM385Z	948-8529●	1.75	1.21	0.87	– –	– –
LM4041DIZ-ADJ.	271-263‡	1.90	1.35	0.98	– –	– –
LM4041DIZ-ADJ	948-6119●	1.90	1.35	0.98	– –	– –
LM4051AIM3-ADJ.	SMD 332-6652‡	5.04	3.77	2.83	– –	– –
LM4051AIM3-ADJ	SMD 977-8551●	5.04	3.77	2.83	– –	– –
LM4051BIM3-ADJ	SMD 977-8578●	4.00	2.92	2.13	– –	– –
LM4051CIM3-ADJ.	SMD 332-6690‡	3.64	2.71	1.97	– –	– –
LM4051CIM3-ADJ	SMD 977-8594●	3.64	2.71	1.97	– –	– –
AD581KH	441-4640▲	20.53	17.11	13.69	– –	– –
AD584JNZ	960-4065●	8.07	6.90	5.73	– –	– –
AD588JQ	411-700▲	46.95	39.12	31.30	– –	– –
TL1431CD	SMD 959-3489●	1.56	1.12	0.84	0.56	– –
TL1431CLPG4	959-3497●	2.39	1.91	1.50	1.04	– –

◆ = Micropower

Adjustable Voltage Regulators

210466

Voltage Range	Mftr.	Pins/Package
25mA		
+1.25V to +15V	ZET	3/TO-92, 1% tol. (IND TEMP)
+1.25V to +15V	ZET	3/TO-92, 1% tol. (IND TEMP)
+1.25V to +15V	ZET	3/TO-92, 1% tol. (IND TEMP)
+1.25V to +15V	ZET	3/TO-92, 1% tol. (IND TEMP)
+1.25V to +15V	ZET	3/SOT-23, 1% tol. (IND TEMP)
+1.25V to +15V	ZET	3/SOT-23, 1% tol. (IND TEMP)
+1.25V to +15V	ZET	3/SOT-23, 2% tol. (IND TEMP)
+1.25V to +15V	ZET	3/SOT-23, 2% tol. (IND TEMP)
40mA		
+1.6V to +16V	INTS	8 / SOIC
+1.6V to +16V	INTS	8 / DIL
+2V to +16.5V	MAX	8 / SOIC
+2V to +16.5V	MAX	8 / DIL
+2V to +16.5V	MAX	8 / SOIC
-15V to +1.3V	MAX	8 / DIL
100mA		
+1.2V to +37V	ST	3/TO-92 (IND TEMP)
+1.2V to +37V	NSC	3/SOT-223 (IND TEMP)
+1.2V to +32V	TI	8/SOIC (IND TEMP)
+1.2V to +32V	TI	3/TO-92 (IND TEMP)
+1.2V to +37V	NSC	8/SOIC
+1.2V to +37V	NSC	8/SOIC
+1.2V to +37V	NSC	3/TO-92
+1.24V to +30V	NSC	5/SOT-23 1% tol.
+1.24V to +30V	NSC	3/TO-92 1% tol.
+1.24V to +30V	NSC	3/TO-92 1% tol.
+1.24V to +29V	NSC	8/SOIC 1% tol.
+1.24V to +30V	NSC	5/SOT-23 1,5% tol.
+1.24V to +30V	NSC	3/TO-92 1,5% tol.
+1.24V to +30V	NSC	3/TO-92 1,5% tol.
+1.24V to +30V	NSC	5/SOT-23 1,5% tol. (IND TEMP)
+1.24V to +30V	NSC	3/TO-92 1,5% tol. (IND TEMP)
+1.24V to +30V	NSC	3/TO-92 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	8/SOIC 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	3/TO-92 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	8/SOIC 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	3/TO-92 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	8/SOIC 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	3/SOT-89 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	8/SOIC 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	3/TO-92 1,5% tol. (IND TEMP)
+2.5V to +36V	TI	3/SOT-89 1,5% tol. (IND TEMP)
+1.24V to +29V	NSC	8/DIL, LDO
+1.24V to +29V	ON	8/DIL, LDO
+1.24V to +29V	NSC	8/SOIC
+1.24V to +29V	NSC	8/DIL, LDO
+1.24V to +29V	NSC	8/DIL, LDO
+2V to +37V	ON	8/SOIC, LDO
+2.5V to +5.5V (Preset at 2.84V)	MAX	5/SOT-23◆, LDO
+2.5V to +20V	ZET	3/TO-92
+2.5V to +20V	ZET	3/TO-92, 1% tol. (IND TEMP)
+2.5V to +20V	ZET	3/TO-92, 1% tol. (IND TEMP)
+2.5V to +20V	ZET	3/SOT-23
+2.5V to +20V	ZET	3/SOT-23
+2.5V to +20V	ZET	3/SOT-23
+2.5V to +20V	ZET	3/SOT-23, 1% tol. (IND TEMP)
+2.5V to +36V	ST	8 / SOIC (±0.25% Vref tol.)
+2.5V to +36V	ST	3 / TO-92 (±0.25% Vref tol.)
+2.5V to +37V	ON	3/TO-92
+2.5V to +37V	ON	8/SOIC
+3V to +24V	NSC	8 / SOIC
+3V to +24V	NSC	8 / SOIC
+3V to +24V	NSC	5/TO-220, LDO
+3V to +24V	NSC	5/TO-220, LDO
+3V to +24V	ON	8/SOIC, LDO
+3V to +24V	ON	5/TO-220, LDO
+3V to +36V	NSC	3/SOT-23, (2% acc. typ.)
+3V to +36V	NSC	3/TO-92
+3V to +36V	NSC	3/TO-92
+3V to +36V	NSC	3/SOT-23 (2% acc. typ.). (IND TEMP)
+3V to +36V	NSC	8/SOIC (IND TEMP)
+3V to +36V	NSC	8/SOIC
+3V to +36V	NSC	3/SOT-23 (1% acc. typ.).
+3V to +36V	ST	8/SOIC (1% acc. typ.).
+3V to +36V	ST	8 / SOIC (1% acc. typ.).
+3V to +36V	ST	3/TO-92
+3V to +36V	ST	3/TO-92
+3V to +36V	TI	3/TO-92
+3V to +36V	TI	3/TO-92
+3V to +36V	TI	8/DIL
+3V to +36V	TI	8/DIL
+11.2V to +37V	ON	3/TO-220
+2.5V to +20V	ZET	3/SOT-23
+2.5V to +20V	ZET	3/SOT-23
+11.2V to +37V	NSC	3/TO-220, LDO

Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
ZR431LC01.	302-3874▲	1.78	1.34	0.89	0.71	– –
ZR431LC01	113-2688●	1.82	1.37	0.91	0.73	– –
ZR431LC02.	302-3886▲	1.48	1.11	0.74	0.59	– –
ZR431LC02	113-2689●	1.50	1.13	0.75	0.60	– –
ZR431LF01TA.	SMD 302-3898	1.94	1.46	0.97	0.78	– –
ZR431LF01TA	SMD 113-2690●	1.97	1.48	0.98	0.79	– –
ZR431LF02TA.	SMD 302-3904	1.49	1.12	0.74	0.60	– –
ZR431LF02TA	SMD 113-2691●	1.54	1.15	0.77	0.61	– –
ICL7663SCBAZA	SMD 966-3789●	4.05	3.59	3.23	3.05	– –
ICL7663SCPAZ	101-8173●	4.23	3.59	3.17	2.77	– –
MAX663CSA+	SMD 118-8015●	9.38	7.18	5.12	– –	– –
MAX666CPA	205-280▲	9.75	7.46	5.32	– –	– –
MAX666CSA+	SMD 118-8016●	10.90	8.34	5.95	– –	– –
MAX664CPA+	118-8022●	10.33	7.90	5.64	– –	– –
LM217LZ	975-6620●	1.58	1.13	0.91	0.66	– –
LM317AEMP	SMD 977-9272●	3.31	2.62	1.91	– –	– –
TL317CD	SMD 959-3500●	0.78	0.60	0.45	0.29	– –
TL317CLP	959-3519●	0.78	0.60	0.45	0.29	– –
LM317LM.	SMD 411-760‡	1.37	0.95	0.68	– –	– –
LM317LM	SMD 948-8537●	1.37	0.95	0.68	– –	– –
LM317LZ	948-8545●	1.31	0.91	0.66	– –	– –
LMV431ACM5	SMD 977-8373●	1.14	0.79	0.57	– –	– –
LMV431ACZ.	302-4246‡	1.14	0.79	0.57	– –	– –
LMV431ACZ	948-6232●	1.14	0.79	0.57	– –	– –
LP2951ACM	SMD 949-3425●	1.74	1.20	0.87	– –	– –
LMV431CM5	SMD 977-8381●	1.08	0.74	0.54	– –	– –
LMV431CZ.	302-4260‡	1.08	0.74	0.54	– –	– –
LMV431CZ	948-6240●	1.08	0.74	0.54	– –	– –
LMV431IM5	SMD 977-8390●	1.14	0.79	0.57	– –	– –
LMV431IZ.	302-4283‡	1.14	0.79	0.57	– –	– –
LMV431IZ	948-6259●	1.14	0.79	0.57	– –	– –
TL431ACD	SMD 959-3535●	0.88	0.67	0.50	0.32	– –
TL431ACLP	959-3543●	0.88	0.67	0.50	0.32	– –
TL431AID	SMD 959-3551●	0.98	0.75	0.56	0.36	– –
TL431AILP	959-3560●	0.98	0.75	0.56	0.36	– –
TL431CD	SMD 959-3578●	0.78	0.60	0.45	0.29	– –
TL431CPKG4	SMD 959-3586●	1.71	1.36	1.09	0.74	– –
TL431ID	SMD 959-3594●	0.88	0.67	0.50	0.32	– –
TL431ILP	959-3608●	0.88	0.67	0.50	0.32	– –
TL431IPKG4	SMD 959-3616●	1.89	1.51	1.18	0.82	– –
LP2951ACN	948-8553●	2.53	1.77	1.26	– –	– –
LP2951ACN	334-3674▲	2.71	2.17	1.76	1.49	– –
LP2951CM	SMD 948-8561●	1.68	1.16	0.84	– –	– –
LP2951CN.	411-802‡	2.53	1.77	1.26	– –	– –
LP2951CN	948-9320●	2.53	1.77	1.26	– –	– –
LM317LDG	SMD 121-1101●	1.53	0.94	0.65	– –	– –
MAX8863SEUK+T	SMD 118-8049●	3.17	2.43	1.73	– –	– –
ZR431CL	113-2767●	1.28	0.96	0.64	0.51	– –
ZR431C01.	321-2968	1.62	1.21	0.81	0.65	– –
ZR431C01	113-2725●	1.62	1.21	0.81	0.65	– –
ZR431F.	SMD 631-243	1.08	0.81	0.54	0.43	– –
ZR431F	SMD 113-2773●	1.33	1.00	0.66	0.53	– –
ZR431F01TA.	SMD 321-2970	1.54	1.15	0.77	0.61	– –
ZR431F01TA	SMD 113-2727●	1.54	1.15	0.77	0.61	– –
TL1431ID	SMD 109-4356●	1.90	1.46	1.25	0.97	– –
TL1431IZ	975-5861●	1.90	1.46	1.25	0.97	– –
TL431CLPG	966-6796●	0.81	0.73	0.64	0.61	– –
TL431BCDG	SMD 121-1128●	2.77	1.82	1.37	– –	– –
LM2931CM.	SMD 594-593‡	1.62	1.12	0.81	– –	– –
LM2931CM	SMD 949-3417●	1.62	1.12	0.81	– –	– –
LM2931CT.	411-966‡	2.46	1.72	1.22	– –	– –
LM2931CT	948-9363●	2.46	1.80	1.28	– –	– –
LM2931CDG	SMD 121-1100●	2.41	1.43	1.11	– –	– –
LM2931CTG	121-1139●	2.21	1.59	1.50	1.24	– –
LM431ACM3	SMD 121-5209●	1.18	0.82	0.59	– –	– –
LM431ACZ.	411-814‡	1.18	0.82	0.59	– –	– –
LM431ACZ	948-9339●	1.18	0.82	0.59	– –	– –
LM431AIM3	SMD 121-5210●	1.25	0.86	0.62	– –	– –
LM431AIM.	SMD 792-159‡	1.25	0.86	0.62	– –	– –
LM431AIM	SMD 949-4219●	1.25	0.86	0.62	– –	– –
LM431BCM3	SMD 977-9868●	1.29	0.89	0.64	– –	– –
TL431ACD.	SMD 571-106▲	1.00	0.72	0.57	0.42	– –
TL431ACD	SMD 109-4357●	1.00	0.72	0.57	0.42	– –
TL431ACZ	975-6450●	1.00	0.72	0.57	0.42	– –
TL431CZ	975-6469●	1.00	0.72	0.57	0.42	– –
TL431CLP..	411-838	0.69	0.53	0.36	0.25	– –
TL431CLP	110-6038	0.78	0.60	0.45	0.29	– –
TL431CP..	411-840	1.14	0.82	0.61	0.41	– –
TL431CP	110-6040●	0.98	0.75	0.56	0.36	– –
LM337TG	121-1104●	2.38	1.40	1.27	– –	– –
ZR431F005TA.	SMD 384-7779	2.12	1.59	1.06	0.85	– –
ZR431F005TA	SMD 113-2750●	2.13	1.60	1.06	0.85	– –
LM337T	948-9401●	3.61	2.85	2.08	– –	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Voltage Range	Mftr.	Pins/Package	Mftrs. List No.	Order Code	1+	25+	Price Each 100+	250+	+
100mA									
-37V to -1.2V	NSC	3/SOT-223, LDO	LM337IMP	SMD 977-9213	3.30	2.31	1.64	– –	– –
-37V to -1.2V	NSC	8/SOIC	LM337LM	SMD 948-5945	1.68	1.16	0.84	– –	– –
-37V to -1.2V	NSC	3/TO-92	LM337LZ	948-9347	1.68	1.16	0.84	– –	– –
125mA									
+4V to +30V	LT	8/DIL	LT1120CN8	525-868▲	9.73	6.20	5.15	– –	– –
+4V to +30V	LT	8/DIL	LT1120CN8#PBF	956-0041	9.73	6.20	5.15	– –	– –
150mA									
+1.5V to +5.5V	TI	8/MSOP, LDO (IND TEMP)	TPS77201DGK	SMD 110-0942	2.93	2.24	1.65	1.43	– –
+2V to +37V	NSC	14/DIL	LM723CN	948-9355	1.81	1.26	0.92	– –	– –
+2V to +37V	NSC	10/TO-100	LM723CH	121-5191	9.53	6.93	5.19	– –	– –
+2V to +37V	NSC	10/TO-100	LM723H	121-6174	9.53	6.93	5.19	– –	– –
+3.75V to +20V	LT	8/DIL, LDO	LT1121CN8#PBF	113-6637	5.40	3.46	2.81	– –	– –
+3.8V to +30V	LT	8/DIL, LDO	LT1121IN8	386-2070▲	7.23	4.61	3.83	– –	– –
+3.8V to +30V	LT	8/DIL, LDO	LT1121IN8#PBF	113-6613	6.37	4.08	3.32	– –	– –
+2V to +37V	TI	14/DIL, LDO	UA723CNG4	959-3802	2.09	1.67	1.31	0.91	– –
200mA									
+2.8V to +11.5V (Preset at 3.3V)	MAX	8 / DIL, LDO	MAX882CPA	639-254▲	6.13	4.69	3.35	– –	– –
+2.8V to +11.5V (Preset at 3.3V)	MAX	8 / SOIC, LDO	MAX882CSA+	SMD 118-8007	6.79	5.19	3.71	– –	– –
+2.8V to +11.5V (Preset at 5V)	MAX	8 / DIL, LDO	MAX883CPA+	118-8009	6.13	4.69	3.35	– –	– –
+2.8V to +11.5V (Preset at 3.3V)	MAX	8 / SOIC, LDO	MAX883CSA+	SMD 118-8011	6.79	5.19	3.71	– –	– –
+2.8V to +11.5V (Preset at 3.3V)	MAX	8 / SOIC, LDO	MAX884CSA+	SMD 118-8012	6.79	5.19	3.71	– –	– –
250mA									
+1.23V to +29V (Preset at 5V)	NSC	16 / SOIC	LP2952IM	SMD 121-5215	4.35	3.43	2.50	– –	– –
+1.23V to +29V	NSC	14/DIL, LDO	LP2952IN.	271-020‡	4.35	3.43	2.50	– –	– –
+1.23V to +29V	NSC	14/DIL, LDO	LP2952IN	948-6011	4.35	3.43	2.50	– –	– –
+3.5V to +16.5V	MAX	8 / SOIC	MAX667CSA	SMD 641-819▲‡	12.13	9.28	6.62	– –	– –
+3.5V to +16.5V	MAX	8 / SOIC	MAX667CSA+	SMD 972-6080	12.13	9.28	6.62	– –	– –
300mA									
+2.5V to +6V	NSC	8/MSOP	LP3982IMM - ADJ	SMD 119-7407	1.70	1.19	0.86	– –	– –
+3.8V to +20V	LT	8/SOIC	LT1521CS8	SMD 641-236▲	8.62	5.49	4.57	– –	– –
+3.8V to +20V	LT	8/SOIC	LT1521CS8#PBF	SMD 956-0599	8.62	5.49	4.57	– –	– –
500mA									
+1.2V to +37V	NSC	3/TO-39	LM317H	121-6175	11.41	8.29	6.21	– –	– –
+1.2V to +37V	NSC	3/TO-39 (MIL TEMP)	LM117H	121-6176	15.73	11.44	8.57	– –	– –
+1.23V to +29V (Preset at 5V)	NSC	16/SOIC, 0.16% o/p Tol	LP2960AIM-5.0	SMD 949-4863	7.80	5.91	4.43	– –	– –
+1.23V to +29V (Preset at 3.3V)	NSC	16/SOIC	LP2960IM-3.3	SMD 949-4871	5.44	4.29	3.13	– –	– –
+2.8V to +11.5V (Preset at 5V)	MAX	8/DIL◆, LDO	MAX603CPA	639-230▲	7.80	5.97	4.26	– –	– –
+2.8V to +11.5V (Preset at 3.3V)	MAX	8/SOIC◆	MAX604CSA+	SMD 118-7941	7.65	5.86	4.18	– –	– –
+2.8V to +11.5V (Preset at 3.3V)	MAX	8/SOIC	MAX604ESA+	SMD 118-7985	11.77	9.01	6.43	– –	– –
+3.8V to +30V (Preset at 3.3V)	LT	8/SOIC◆	LT1121CS8	SMD 386-2045▲	6.42	4.09	3.40	– –	– –
+3.8V to +30V (Preset at 3.3V)	LT	8/SOIC◆	LT1121CS8#PBF	SMD 956-0068	6.42	4.09	3.40	– –	– –
-0.5V to -20V	LT	8/DIL	LT1175CN8-ADJ#PBF	956-0238	9.66	6.16	5.12	– –	– –
-3.2V to -15V	TI	8/SOIC	UCC284DP-ADJ	SMD 110-6066	10.95	8.38	6.94	6.19	– –
-5V to +20V	LT	8/DIL◆	LT1175CN8	476-7317▲	8.76	7.47	6.39	– –	– –
-5V to +20V	LT	8/DIL◆	LT1175CN8#PBF	956-0220	9.03	5.79	4.71	– –	– –
-5V to +20V (Preset at 3.3V)	LT	8/DIL◆	LT1175IN8#PBF	113-6617	11.73	7.52	6.11	– –	– –
700mA									
+21.5V to +150V	TI	3/TO-220	TL783CKC	959-4582	3.13	2.39	1.76	1.52	– –
+3.75V to +30V	LT	5/TO-220, LDO	LT1129CT	525-819▲	8.36	5.32	4.43	– –	– –
+3.75V to +30V	LT	5/TO-220, LDO	LT1129CT#PBF	956-0092	8.36	5.32	4.43	– –	– –
800mA									
+1.2V to +5.1V	NSC	5/TO-263, LDO	LP3964ES-ADJ	SMD 948-6534	4.65	3.49	2.61	– –	– –
+1.25V to+15V	ST	8/SOIC, LDO	LD1117D.	SMD 352-9903▲	2.45	1.87	1.61	1.24	– –
+1.25V to +15V	ST	8SOIC/, LDO	LD1117D	SMD 109-4238	2.45	1.87	1.61	1.24	– –
+1.25V to +15V	ST	3/SOT-223, LDO	LD1117S	SMD 113-1999	2.63	2.02	1.73	1.34	– –
+1.25V to +15V	ST	3/TO-220, LDO	LD1117V	975-5829	2.51	1.92	1.65	1.27	– –
+1.25V to +13.8V	NSC	3/D-Pak, LDO	LM1117DT-ADJ.	SMD 302-4295‡	2.57	1.80	1.28	– –	– –
+1.25V to +13.8V	NSC	3/D-Pak, LDO	LM1117DT-ADJ	SMD 948-6267	2.57	1.80	1.28	– –	– –
+1.25V to +13.8V	NSC	3/SOT-223	LM1117MP-ADJ	SMD 977-8187	2.01	1.41	1.02	– –	– –
+1.25V to +13.8V	NSC	3/TO-220	LM1117T-ADJ	948-5805	3.25	2.27	1.62	– –	– –
+1.5V to +13.7V	BB	3/SOT-223, LDO	REG1117	SMD 109-7566	3.71	2.84	2.09	1.81	– –
+1.5V to +13.7V	BB	3/SOT-223, LDO	REG1117.	SMD 699-860‡	3.61	2.76	2.03	1.76	– –
1.0A									
+1.2V to +37V	FCH	3 / TO-220	KA317TU.	347-6870▲‡	1.33	0.96	0.84	0.70	– –
+1.2V to +37V	FCH	3 / TO-220	KA317TU	101-3827	1.33	1.09	0.96	0.72	– –
-1.2V to+37V	FCH	3 / TO-220	KA337TU.	347-6900▲‡	1.80	1.20	0.90	0.65	– –
-1.2V to+37	FCH	3 / TO-220	KA337TU	101-3829	1.80	1.33	1.00	0.67	– –
+1.3V to +7V	TS	3 / SOT-223	TS1117CW-ADJ	SMD 720-8367	5.21	2.60	1.76	– –	– –
+5V to +20V	NSC	5/TO-220, LDO	LM2941CT	948-9371	3.08	2.52	1.84	– –	– –
+5V to +20V	NSC	5/TO-263, LDO (IND TEMP)	LM2941S	SMD 949-4456	3.70	2.92	2.13	– –	– –
-2V to -25V	NSC	5/TO-263, LDO	LM2991S	SMD 949-4472	5.65	4.11	3.08	– –	– –
-2V to -25V	NSC	5/TO-220	LM2991T	948-5929	5.65	4.11	3.08	– –	– –
1.5A									
+2.6V to +29V	NSC	3 / TO-263	LM1086CS-ADJ	SMD 948-9975	4.25	3.36	2.45	– –	– –
+2.6V to +29V	NSC	3 / TO-220◆, LDO	LM1086CT-ADJ	948-9967	4.25	3.36	2.45	– –	– –
+1.2V to +29V	LT	3 / TO-263 (D2-Pak)◆, LDO	LT1086CM	SMD 573-360▲	8.90	5.67	4.71	– –	– –
+1.2V to +25V	LT	3 / TO-263 (D2-Pak)◆, LDO	LT1086CM#PBF	SMD 955-9850	8.90	5.67	4.71	– –	– –
+1.2V to +25V	LT	3/TO-220◆, LDO	LT1086CT	412-119▲	7.84	4.99	4.15	– –	– –
+1.2V to +25V	LT	3/TO-220◆, LDO	LT1086CT#PBF	955-9868	7.84	4.99	4.15	– –	– –
+1.2V to +37V	ST	3/TO-220(IND TEMP)	LM217T	975-6612	1.89	1.44	1.24	0.96	– –
+1.2V to +37V	NSC	3/TO-220	LM317AT	948-9380	3.14	2.48	1.81	– –	– –
+1.2V to +37V	ON	3/TO-220◆, (IND TEMP)	LM317BT	300-4715	2.28	1.82	1.48	1.25	– –
+1.2V to +37V	ON	3/TO-220◆, (IND TEMP)	LM317BTG	121-4459	3.35	2.15	1.53	– –	– –
+1.2V to +37V	ON	3/TO-263 (D2-Pak)	LM317D2TG	SMD 966-4998	1.66	1.33	1.08	0.91	– –
+1.2V to +37V	NSC	3/TO-263◆	LM317S	SMD 949-4480	3.24	2.55	1.86	– –	– –
+1.2V to +37V	NSC	3/TO-220	LM317T.	412-132	2.00	1.40	1.02	– –	– –
+1.2V to +37V	NSC	3/TO-220	LM317T	948-9398	3.14	2.48	1.81	– –	– –
+1.5V to +13.7V	ST	3 / TO-220	LM317T	975-6027	1.98	1.42	1.12	0.83	– –
+1.2V to +37V	NSC	2/TO-3 (MIL TEMP)	LM117K STEEL	121-6177	18.48	13.44	10.07	– –	– –
+1.2V to +37V	ST	2/TO-3 (MIL TEMP)	LM317K.	412-168▲	5.70	4.24	3.48	2.73	– –
+1.2V to +37V	ST	2/TO-3	LM317K	109-4246	5.70	4.24	3.48	2.73	– –
+1.2V to +37V	NSC	2/TO-3	LM317KSTEEL	119-7397	18.48	13.44	10.07	– –	– –
+1.2V to +57V	NSC	3/TO-39	LM317HVH	121-5192	15.91	11.57	8.67	– –	– –
+1.2V to +57V	NSC	2/TO-3	LM317HVKSTEEL	119-7398	18.48	13.44	10.07	– –	– –
+1.2V to +57V	NSC	3/TO-220	LM317HVT	948-5716	4.86	3.83	2.80	– –	– –
+2.3V to +26V	MICR	5/TO-220◆, (IND TEMP)	MIC29152BT	640-591	15.63	8.16	7.25	– –	– –
+2.3V to +26V	MICR	5/TO-220◆, (IND TEMP)	MIC29152WT	121-3491	15.63	8.16	6.27	– –	– –
-1.2V to -37V	ON	3/TO-263 (D2-Pak)	LM337D2TG	SMD 966-5005	2.42	1.93	1.57	1.32	– –
-1.2V to -37V	ST	3/TO-220	LM337SP	975-6035	3.13	2.39	2.06	1.59	– –
-1.2V to -37V	ST	2/TO-3	LM337K	109-4253	11.84	8.81	7.22	5.67	– –
-1.2V to -37V	NSC	2/TO-3	LM337KSTEEL	119-7399	18.44	13.40	10.04	– –	– –
3.0A									
+1.25V to +9V	UNI	5/TO-220◆, LDO	UCC383T-ADJ	110-1464	10.56	8.08	6.69	5.97	– –
+1.2V to +29V	LT	3 / TO-263 (D2-Pak)◆, LDO	LT1085CM	SMD 573-358▲	15.85	10.10	8.40	– –	– –
+1.2V to +29V	LT	3 / TO-263 (D2-Pak)◆, LDO	LT1085CM#PBF	SMD 955-9795	15.85	10.10	8.40	– –	– –
+1.2V to +29V	LT	3/TO-220◆, LDO	LT1085CT	412-284▲	14.46	9.21	7.66	– –	– –
+1.2V to +29V	LT	3/TO-220◆, LDO	LT1085CT#PBF	955-9809	14.46	9.21	7.66	– –	– –
+1.2V to +33V	NSC	2/TO-3	LM350KSTEEL	119-7401	25.02	18.19	13.50	– –	– –
+1.2V to +33V	ON	3/TO-220◆	LM350TG	121-4460	5.76	3.55	3.06	– –	– –
+1.2V to +33V	NSC	3/TO-220	LM350T	948-9410	4.02	3.18	2.32	– –	– –
+3.8V to +14V	LT	5/TO-220◆, LDO	LT1529CT	641-248▲	13.58	8.65	7.19	– –	– –
+3.8V to +14V	LT	5/TO-220◆, LDO	LT1529CT#PBF	956-0629	13.58	8.65	7.19	– –	– –
-25V to +2.5V	LT	5/TO-220◆, LDO	LT1185CT	459-793▲	14.46	9.21	7.66	– –	– –
-25V to +2.5V	LT	5/TO-220◆, LDO	LT1185CT#PBF	956-0289	14.46	9.21	7.66	– –	– –
5.0A									
+1.2V to +29V	LT	3/TO-220◆, LDO	LT1084CT	412-338▲	16.20	10.32	8.58	– –	– –
+1.2V to +29V	LT	3/TO-220◆, LDO	LT1084CT#PBF	955-9744	16.20	10.32	8.58	– –	– –
+1.2V to +32V	ST	2/TO-3	LM338K	109-4254	17.36	12.92	10.58	8.32	– –
+1.25V to +15V	ST	3/SOT-223	LD1117STR-E	SMD 120-2824	2.69	2.06	1.77	1.37	– –
+1.2V to +32V	NSC	2/TO-3	LM338KSTEEL	119-7402	34.89	24.67	18.83	– –	– –
+1.2V to +32V	NSC	3/TO-220	LM338T	948-9428	4.40	3.47	2.53	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products,
prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Voltage Range	Mftr.	Pins/Package	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
5.0A									
+2.3V to +26V	MICR	5/TO-220◆, LDO	MIC29502BT	**640-610**	29.98	26.17	19.66	– –	– –
+2.3V to +26V	MICR	5/TO-220◆, LDO	MIC29502WT	**121-3492**●	29.98	26.17	19.66	– –	– –
7.5A									
+1.5V to +30V	LT	3/TO-3P, LDO	LT1083CP	**569-070**▲	27.69	17.64	14.53	– –	– –
+1.5V to +30V	LT	3/TO-3P, LDO	LT1083CP#PBF	**955-9728**●	27.69	17.64	14.53	– –	– –

◆ Thermally protected LDO=Low Drop Out.

Fixed Voltage Regulators

Fixed Voltage Regulators

210467

Mftr.	Pins/Package	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
+1.2V									
TOR	4 / SSOT-24	◆0.15A LDO (IND TEMP)	XC6215B122NR	SMC **105-7804**●	1.30	1.14	0.93	– –	– –
TOR	4 / SSOT-24	◆0.5A LDO (IND TEMP)	XC6210B122MR	SMC **105-7797**●	2.60	2.25	1.86	– –	– –
+1.5V									
TOR	4 / SSOT-24	◆0.15A LDO (IND TEMP)	XC6215B152NR	SMC **105-7805**●	1.30	1.14	0.93	– –	– –
TOR	4 / SSOT-24	◆0.5A LDO (IND TEMP)	XC6210B152MR	SMC **105-7798**●	2.60	2.25	1.86	– –	– –
Standard +1.8V									
MCHIP	5 / SOT-23A	◆0.1A LDO (IND TEMP)	TC1015-1.8VCT713	SMC **976-2523**●	1.01	0.73	0.65	– –	– –
BB	3 / SOT-223	◆1A LDO (IND TEMP)	REG1117A-1.8.	SMC **353-4911**‡	3.87	2.96	2.18	1.88	– –
BB	3 / SOT-223	◆1A LDO (IND TEMP)	REG1117A-1.8	SMC **109-7499**	3.96	3.03	2.23	1.93	– –
NSC	5 / SOT-223	1.5A	LP3962EMP-1.8	SMC **977-8950**●	4.89	3.66	2.74	– –	– –
NSC	8 / MSOP	0.15A, LDO (Dual, IND TEMP, MSOP)	LP2966IMM-1818	SMC **977-8403**●	4.08	3.22	2.35	– –	– –
TOR	5 / SOT-23	0.25A Fast Ultra LDO, S, N (Extended TEMP)	XC6201P182MR	SMC **360-5644**●	1.39	1.17	1.05	– –	– –
TOR	3 / SOT-89	0.25A Fast Ultra LDO, S, N (Extended TEMP)	XC6201P182PRN	SMC **110-6655**●	1.39	1.17	1.05	– –	– –
TOR	5 / SOT-23	0.15A Fast Ultra LDO, S, N (Extended TEMP)	XC6204B182MR	SMC **360-5802**●	1.58	1.32	1.20	– –	– –
NSC	8 / MSOP	0.15A, LDO (Double, TEMP IND, MSOP)	LP2966IMM-1818	SMC **977-8403**●	4.08	3.22	2.35	– –	– –
TOR	4 / SSOT-24	0.15A Fast Ultra LDO, S, N (Extended TEMP)	XC6215B182NR	SMC **105-7806**●	1.30	1.14	0.93	– –	– –
NSC	5 / SOT-223	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964EMP-1.8	SMC **977-8730**●	4.68	3.69	2.69	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ES-1.8.	SMC **332-6962**‡	4.65	3.49	2.61	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ES-1.8	SMC **948-6429**●	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ET-1.8.	**332-6998**‡	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ET-1.8	**948-6453**●	4.65	3.49	2.61	– –	– –
NSC	5 / SOT-223	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961EMP-1.8	SMC **977-8705**●	4.68	3.69	2.69	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ES-1.8	SMC **948-6364**●	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ET-1.8	**948-6399**●	4.65	3.49	2.61	– –	– –
NSC	8 / MSOP	0.3A Fast Ultra LDO, S, N (Extended TEMP)	LP3982IMM -1.8	SMC **119-7406**●	1.70	1.19	0.86	– –	– –
TOR	4 / SSOT-24	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	XC6210B182MR	SMC **105-7799**●	2.60	2.25	1.86	– –	– –
ST	3 / SOT-223	0.8A	LD1117S25TR-E	SMC **120-2825**●	2.31	1.66	1.43	– –	– –
NSC	5 / SOT-223	1.5A Fast Ultra LDO, S, N (Extended TEMP)	LP3962EMP-1.8	SMC **977-8950**●	4.89	3.66	2.74	– –	– –
+2.5V									
ZET	3 / TO-92	0.04A	ZMR250C.	**791-441**▲	2.07	1.55	1.04	0.83	– –
ZET	3 / TO-92	0.04A	ZMR250C	**113-2792**●	2.07	1.55	1.04	0.83	– –
ZET	3 / SOT-223	0.04A	ZMR250F.	SMC **791-430**	1.96	1.47	0.98	0.78	– –
ZET	3 / SOT-223	0.04A	ZMR250F	SMC **113-2791**●	1.73	1.30	0.86	0.69	– –
MCHIP	5 / SOT-23A	0.15A	TC1185-2.5VCT713	SMC **108-4316**●	1.06	0.77	0.69	– –	– –
NSC	8 / MSOP	0.15A, LDO (Dual, IND TEMP, MSOP)	LP2966IMM-2525	SMC **977-8411**●	4.08	3.22	2.35	– –	– –
NSC	5 / SOT-23	0.15A, Ultra LDO, Low Noise, ±3.5%	LP2985AIM5-2.5	SMC **977-8543**●	1.68	1.16	0.84	– –	– –
NSC	5 / SOT-23	0.15A, Ultra LDO, Low Noise, ±4%	LP2985IM5-2.5	SMC **977-8535**●	1.61	1.11	0.80	– –	– –
TOR	5 / SOT-23	0.25A, Ultra LDO, Low Noise, ±4%	XC6201P252MRN	SMC **110-6656**●	1.38	1.17	1.05	1.02	– –
TOR	3 / SOT-89	0.25A, Ultra LDO, Low Noise, ±4%	XC6201P252PR	SMC **360-5670**●	1.38	1.17	1.05	0.94	– –
TOR	5 / SOT-23	0.15A, Ultra LDO, Low Noise, ±4%	XC6204B252MR	SMC **360-5814**●	1.58	1.32	1.20	– –	– –
TOR	4 / SSOT-24	0.15A, Ultra LDO, Low Noise, ±4%	XC6215B252NR	SMC **105-7808**●	1.30	1.14	0.93	– –	– –
NSC	3 / SOT-223	0.4A LDO	LM2937IMP-2.5.	SMC **412-5502**‡	3.20	2.53	1.84	– –	– –
NSC	3 / SOT-223	0.4A LDO	LM2937IMP-2.5	SMC **977-9299**●	3.20	2.53	1.84	– –	– –
ST	3 / TO-220	0.5A, LDO	LF25CV	**975-5853**●	2.89	2.21	1.90	1.47	– –
NSC	8 / SOIC	◆0.5A Fast Ultra LDO, S, N (Extended TEMP)	LP2989IM-2.5	SMC **948-6569**●	4.24	3.35	2.44	– –	– –
ST	3 / SOT-223	◆0.8A, LDO	LD1117S25	SMC **113-2000**●	2.64	2.02	1.74	1.34	– –
NSC	3 / SOT-223	◆0.8A, LDO	LM1117MP-2.5	SMC **977-9205**●	2.01	1.41	1.02	– –	– –
NSC	5 / SOT-223	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961EMP-2.5	SMC **977-8713**●	4.68	3.69	2.69	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ES-2.5	SMC **948-6437**●	4.65	3.49	2.61	– –	– –
NSC	5 / SOT-223	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964EMP-2.5	SMC **977-8748**●	4.68	3.69	2.69	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ES-2.5.	SMC **332-6883**‡	4.65	3.49	2.61	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ES-2.5	SMC **948-6372**●	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ET-2.5.	**332-6913**‡	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ET-2.5	**948-6402**●	4.65	3.49	2.61	– –	– –
TOR	4 / SSOT-24	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	XC6210B252MR	SMC **105-7800**●	2.60	2.25	1.86	– –	– –
BB	3 / SOT-223	◆1A Fast Ultra LDO, S, N (Extended TEMP)	REG1117A-2.5.	SMC **353-4923**‡	3.83	2.93	2.16	1.87	– –
BB	3 / SOT-223	◆1A, LDO (IND TEMP)	REG1117A-2.5	SMC **109-7500**	3.96	3.03	2.23	1.93	– –
BB	3 / TO-263 (D2-Pak)	◆◆1A, LFDO (IND TEMP)	REG1117FA-2.5KTTT	SMC **109-7498**●	5.20	4.01	3.06	2.69	– –
TS	3 / SOT-223	◆◆1A, LDO, +2.5V	TS1117CW-2.5	SMC **720-8340**●	5.21	2.60	1.76	– –	– –
ST	3 / TO-220	◆2.5V Voltage Regulator, LDO, 1.5A	LD1086V25.	**352-9885**▲	3.55	2.72	2.34	1.80	– –
ST	3 / TO-220	◆◆1.5A, LDO (IND TEMP)	LD1086V25	**109-4236**●	3.55	2.72	2.34	1.80	– –
TS	3 / TO-220	◆◆1.5A, LDO, +2.5V	TS1086CZ-2.5	**720-8308**●	9.11	4.56	3.06	– –	– –
TS	3 / TO-252	◆◆1.5A, LDO, +2.5V	TS1086CP-2.5	SMC **720-8316**●	8.79	4.39	2.93	– –	– –
TS	3 / TO-220	◆◆3A, LDO, +2.5V	TS1085CZ-2.5	**720-8260**●	10.09	5.05	3.39	– –	– –
TS	3 / TO-252	◆◆3A, LDO, +2.5V	TS1085CP-2.5	SMC **720-8278**●	9.76	4.88	3.26	– –	– –
TS	3 / TO-220	◆◆5A, LDO, +2.5VA, LDO (IND TEMP)	TS1084CZ-2.5	**720-8227**●	10.74	5.37	3.58	– –	– –
TS	3 / TO-263	◆◆5A, LDO, +2.5VA, LDO (IND TEMP)	TS1084CM-2.5	SMC **720-8235**●	10.74	5.37	3.58	– –	– –
+2.6V									
ZET	5 / SOT-23	◆0.15A, LDO (IND TEMP)	ZXCL260E5TA.	SMC **384-7809**▲	1.39	1.04	0.70	0.56	– –
ZET	5 / SOT-23	◆0.15A, LDO (IND TEMP)	ZXCL260E5TA	SMC **113-2753**●	1.39	1.04	0.70	0.56	– –
+2.7V									
TOR	5 / SOT-23	0.15A, LDO, S, R (IND TEMP)	XC6204B272MR	SMC **460-1257**●	1.63	1.37	1.24	– –	– –
+2.8V									
MCHIP	5 / SOT-23A	0.1A, LDO (Dual, IND TEMP, MSOP)	TC1015-2.8VCT713	SMC **121-2684**●	1.01	0.73	0.65	– –	– –
ZET	5 / SOT-23	0.15A, LDO (Dual, IND TEMP, MSOP)	ZXCL280E5TA.	SMC **384-7810**▲	1.39	1.04	0.70	0.56	– –
ZET	5 / SOT-23	0.15A, LDO (Dual, IND TEMP, MSOP)	ZXCL280E5TA	SMC **113-2754**●	1.39	1.04	0.70	0.56	– –

● Compliant
▲ Non-compliant
++ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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Mftr.	Pins/Package	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
+2.8V									
NSC	6 / LLP	0.15A, LDO (Dual, IND TEMP, MSOP)	LP3995ILD-2.8.	SMC 474-5425‡	2.02	1.41	1.02	– –	– –
NSC	6 / LLP	0.15A, LDO (Dual, IND TEMP, MSOP)	LP3995ILD-2.8	SMC 949-0493●	2.02	1.41	1.02	– –	– –
TOR	5 / SOT-23	0.15A, LDO (Dual, IND TEMP, MSOP)	XC6204B282MR	SMC 360-5826●	1.58	1.32	1.20	– –	– –
TOR	4 / SSOT-24	0.15A, LDO for SCSI-2 Active Termination	XC6215B282NR	SMC 105-7809●	1.30	1.14	0.93	– –	– –
TOR	4 / SSOT-24	0.8A, LDO for SCSI-2 Active Termination	XC6210B282MR	SMC 105-7801●	2.60	2.25	1.86	– –	– –
+2.85V									
NSC	3 / D-Pak	0.8A, LDO	LM1117DT-2.85	SMC 119-7391●	2.57	1.80	1.28	– –	– –
+3V									
MCHIP	5 / SOT-23A	0.1A, LDO	TC1015-3.0VCT713	SMC 108-4315●	1.01	0.73	0.65	– –	– –
MCHIP	6 / SOT-23	◆, LDO0.05A, LDO	TC1072-3.0VCH	SMC 121-2664●	4.49	3.00	2.34	– –	– –
NSC	5 / SOT-23	0.05A, LDO	LP2980IM5-3.0	SMC 977-9612●	1.37	0.95	0.68	– –	– –
NSC	5 / SOT-23	◆0.05A, LDO	LP2982IM5-3.0	SMC 977-9833●	2.35	1.70	1.21	– –	– –
ST	8 / SOIC	◆0.1A, LDO, S, N, R (IND TEMP)	LE30CD.	SMC 352-9988▲	1.82	1.39	1.20	0.93	– –
ST	8 / SOIC	0.1A, LDO (SOIC)	LE30CD	SMC 109-4239●	1.82	1.39	1.20	0.93	– –
ST	3 / TO-92	0.1A, LDO	LE30CZ	975-5845●	1.76	1.35	1.16	0.89	– –
NSC	3 / TO-92	0.1A, LDO	LP2950CZ-3.0.	596-759‡	1.68	1.16	0.84	– –	– –
NSC	3 / TO-92	0.1A, LDO	LP2950CZ-3.0	949-3484●	1.68	1.16	0.84	– –	– –
ON	3 / TO-92	0.1A, LDO	LP2950CZ-3.0	334-3662▲	2.43	1.94	1.58	1.33	– –
NSC	8 / DIL	0.1A, LDO	LP2951CN-3.0.	596-747‡	2.53	1.77	1.26	– –	– –
NSC	8 / DIL	0.1A, LDO	LP2951CN-3.0	949-3476●	2.53	1.77	1.26	– –	– –
NSC	5 / SOT-23	◆0.05A, 0.5% o/p Tol, LDO	LP2980AIM5-3.	SMC 956-132‡	1.37	0.95	0.68	– –	– –
NSC	5 / SOT-23	◆0.05A, 0.5% o/p Tol, LDO	LP2980AIM5-3.0	SMC 977-9949●	1.37	0.95	0.68	– –	– –
NSC	5 / SOT-23	0.1A, LDO	LP2981IM5-3.0	SMC 977-9809●	1.76	1.23	0.89	– –	– –
TOR	3 / SOT-23	0.15A, LDO	XC6202P302MR	SMC 360-5723●	1.89	1.59	1.44	– –	– –
TOR	3 / SOT-89	0.15A, LDO	XC6202P302PR	SMC 360-5735●	1.89	1.59	1.44	– –	– –
ZET	5 / SOT-23	0.15A, LDO (Dual, IND TEMP, MSOP)	ZXCL300E5TA.	SMC 384-7822▲	1.39	1.04	0.70	0.56	– –
ZET	5 / SOT-23	0.15A, LDO (Dual, IND TEMP, MSOP)	ZXCL300E5TA	SMC 113-2755●	1.39	1.04	0.70	0.56	– –
NSC	8 / MSOP	0.15A, LDO (Dual, IND TEMP, MSOP)	LP2966IMM-3030	SMC 977-8438●	4.08	3.22	2.35	– –	– –
NSC	5 / SOT-23	◆0.15A, LDO	LP2985AIM5-3.0	SMC 977-8250●	1.68	1.16	0.84	– –	– –
NSC	5 / SOT-23	◆◆0.15A, LDO	LP2985IM5-3.0	SMC 977-8268●	1.61	1.11	0.80	– –	– –
TOR	5 / SOT-23	0.25A, LDO, CMOS	XC6201P302MR	SMC 360-5681●	1.38	1.17	1.05	1.02	– –
TOR	3 / SOT-89	0.25A	XC6201P302PR	SMC 360-5693●	1.38	1.17	1.05	0.98	– –
TOR	5 / SOT-23	◆0.15A, LDO, S, R (IND TEMP)	XC6204B302MRN	SMC 110-6657●	1.58	1.32	1.20	– –	– –
TOR	5 / SOT-23	0.25A, LDO, S, R (IND TEMP)	XC6201P302MR	SMC 360-5681●	1.38	1.17	1.05	1.02	– –
TOR	3 / SOT-89	0.25A, LDO, S, R (IND TEMP)	XC6201P302PR	SMC 360-5693●	1.38	1.17	1.05	0.98	– –
NSC	8 / MSOP	◆0.2A, 0.5% o/p Tol, LDO (MSOP)	LP2986AIMM-3.0	SMC 977-9973●	4.08	3.22	2.35	– –	– –
TOR	5 / SOT-23-5	0.25A	XC62FP3002MR	SMC 360-5589●	1.53	1.29	1.17	1.16	– –
TOR	3 / SOT-89	0.25A, 1% o/p Tol, LDO	XC62FP3002PR	SMC 360-5590●	1.59	1.32	1.20	1.16	– –
TOR	3 / SOT-23	0.15A, 1% o/p Tol, LDO	XC6202P332MR	SMC 360-5747●	1.89	1.59	1.44	– –	– –
TOR	4 / SSOT-24	0.15A, 1% o/p Tol, LDO	XC6215B302NR	SMC 105-7810●	1.30	1.14	0.93	– –	– –
TOR	4 / SSOT-24	0.8A, LDO	XC6210B302MR	SMC 105-7802●	2.60	2.25	1.86	– –	– –
+3.3V									
NSC	5 / SOT-23	0.05A, 1% o/p Tol, LDO	LP2980IM5-3.3	SMC 977-8977●	1.37	0.95	0.68	– –	– –
ST	8 / SOIC	◆0.1A, LDO, S (IND TEMP)	LE33CD	SMC 975-5330●	1.63	1.25	1.09	0.83	– –
ST	3 / TO-92	◆0.1A, LDO, S (IND TEMP)	LE33CZ	975-5349●	1.58	1.21	1.05	0.80	– –
NSC	5 / SOT-23	◆0.05A, 0.5% o/p Tol, LDO	LP2980AIM5-3.3	SMC 121-2201●	1.37	0.95	0.68	– –	– –
NSC	5 / SOT-23	◆0.1A, LDO	LP2981IM5-3.3	SMC 977-9965●	1.76	1.23	0.89	– –	– –
MICR	8 / SOIC	0.1A, LDO	MIC5200-3.3BM	SMC 572-111	5.13	4.56	3.73	3.42	– –
MICR	8 / SOIC	0.1A, LDO	MIC5200-3.3YM	SMC 121-3488●	5.13	4.56	3.73	3.42	– –
TOR	3 / SOT-23	0.15A, LDO (Dual, IND TEMP, MSOP)	XC6202P332MR	SMC 360-5747●	1.89	1.59	1.44	– –	– –
TOR	4 / SSOT-24	0.8A, LDO (Dual, IND TEMP, MSOP)	XC6210B332MR	SMC 105-7803●	2.60	2.25	1.86	– –	– –
TOR	3 / SOT-89	0.15A, LDO (Dual, IND TEMP, MSOP)	XC6202P332PR	SMC 360-5759●	1.89	1.59	1.44	– –	– –
ZET	5 / SOT-23	0.15A, LDO (Dual, IND TEMP, MSOP)	ZXCL330E5TA.	SMC 384-7834▲	1.39	1.04	0.70	0.56	– –
ZET	5 / SOT-23	0.15A, LDO (Dual, IND TEMP, MSOP)	ZXCL330E5TA	SMC 113-2756●	1.39	1.04	0.70	0.56	– –
NSC	8 / MSOP	0.15A, LDO (Dual, IND TEMP, MSOP)	LP2966IMM-3333	SMC 977-8446●	4.08	3.22	2.35	– –	– –
NSC	5 / SOT-23	◆0.15A, LDO	LP2985AIM5-3.3	SMC 977-8276●	1.68	1.16	0.84	– –	– –
NSC	5 / SOT-23	◆0.15A, LDO	LP2985IM5-3.3	SMC 977-8284●	1.61	1.11	0.80	– –	– –
LT	8 / DIL	◆0.15A, LDO	LT1121CN8-3.3	386-2057▲	6.12	3.90	3.24	– –	– –
LT	8 / DIL	◆0.15A, LDO	LT1121CN8-3.3#PBF	113-6612●	5.40	3.46	2.81	– –	– –
MCHIP	5 / SOT-23A	◆0.15A, LDO	TC1185-3.3VCT713	SMC 976-2540●	1.06	0.77	0.69	– –	– –
TOR	5 / SOT-23	0.25A, LDO	XC6201P332MR	SMC 360-5700●	1.38	1.17	1.05	0.94	– –
TOR	3 / SOT-89	0.25A, LDO	XC6201P332PR	SMC 360-5711●	1.38	1.17	1.05	0.95	– –
TOR	5 / SOT-23	◆0.15A, 0.5% o/p Tol, LDO (MSOP)	XC6204B332MRN	SMC 110-6658●	1.58	1.32	1.20	– –	– –
NSC	8 / MSOP	◆0.2A, 0.5% o/p Tol, LDO (MSOP)	LP2986AIMM-3.3	SMC 977-9981●	4.08	3.22	2.35	– –	– –
TI	8 / SOIC	0.2A, LDO, Fast Transient response	TPS7433D	SMC 110-5911●	2.93	2.24	1.65	1.43	– –
ZET	3 / TO-92	0.2A	ZSR330C.	384-7780▲	1.95	1.46	0.98	0.78	– –
ZET	3 / TO-92	0.2A	ZSR330C	113-2752●	1.95	1.46	0.98	0.78	– –
ST	8 / SOIC	0.25A	L4931CD33.	SMC 302-4532▲	2.14	1.64	1.41	1.09	– –
ST	8 / SOIC	◆0.25A, LDO, S (IND TEMP)	L4931CD33	SMC 109-4211●	2.20	1.69	1.45	1.12	– –
ST	3 / TO-220	◆0.25A, LDO, S (IND TEMP)	L4931CV33.	302-4544▲	2.51	1.92	1.65	1.27	– –
ST	3 / TO-220	◆0.25A, LDO, S (IND TEMP)	L4931CV33	109-4213●	2.36	1.81	1.55	1.20	– –
TOR	3 / SOT-23	0.25A, LDO, Power Good Output	XC62FP3302MR	SMC 360-5607●	1.59	1.32	1.20	1.13	– –
TOR	3 / SOT-89	0.25A, LDO, Power Good Output	XC62FP3302PR	SMC 360-5619●	1.59	1.32	1.20	1.13	– –
TOR	4 / SSOT-24	0.15A, LDO, Power Good Output	XC6215B332NR	SMC 105-7811●	1.30	1.14	0.93	– –	– –
ZET	8 / SOIC	◆0.3A, LDO	ZLDO330T8.	SMC 642-642	3.90	2.92	1.95	1.56	– –
ZET	8 / SOIC	◆0.3A, LDO	ZLDO330T8	SMC 113-2778●	3.94	2.95	1.97	1.57	– –
TOR	3 / SOT-89	0.4A, LDO, Power Good Output	XC6203E332PR	SMC 360-5784●	1.89	1.59	1.44	– –	– –
NSC	3 / SOT-223	◆0.4A, LDO, S (IND TEMP)	LM2937IMP-3.3	SMC 977-8314●	3.20	2.53	1.84	– –	– –
ST	8 / SOIC	◆0.5A, LDO, S (IND TEMP)	KF33BD	SMC 975-5314●	2.57	1.97	1.69	1.31	– –
ST	3 / TO-220	◆0.5A, LDO, S (IND TEMP)	LF33CV	975-5322●	2.60	1.99	1.71	1.32	– –
ST	3 / SOT-223	◆0.8A, LDO	LD1117S33	SMC 352-9952▲	2.64	2.02	1.74	1.34	– –
ST	3 / SOT-223	◆0.8A, LDO	LD1117S33TR	SMC 120-2826●	2.70	2.06	1.77	1.37	– –
ST	3 / TO-220	◆0.8A, LDO	LD1117V33	975-5837●	2.57	1.97	1.69	1.31	– –
NSC	3 / D-Pak	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LM1117DT-3.3	SMC 948-6275●	2.57	1.80	1.28	– –	– –
NSC	3 / SOT-223	0.8A, LDO	LM1117MP-3.3	SMC 977-8195●	2.01	1.41	1.02	– –	– –
NSC	3 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LM1117T-3.3	948-5813●	3.25	2.27	1.62	– –	– –
NSC	5 / SOT-223	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961EMP-3.3	SMC 977-8721●	4.68	3.69	2.69	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ES-3.3.	SMC 332-6986‡	4.65	3.49	2.61	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ES-3.3	SMC 948-6445●	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ET-3.3.	332-7012‡	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3961ET-3.3	948-6470●	4.65	3.49	2.61	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Mftr.	Pins/Package	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
+3.3V									
NSC	5 / SOT-223	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964EMP-3.3	SMD 977-8756 ●	4.68	3.69	2.69	– –	– –
NSC	5 / TO-263	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ES-3.3	SMD 948-6380 ●	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ET-3.3.	332-6925‡	4.65	3.49	2.61	– –	– –
NSC	5 / TO-220	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LP3964ET-3.3	948-6410 ●	4.65	3.49	2.61	– –	– –
TS	3 / SOT-223	◆1A, LDO, +3.3V	TS1117CW-3.3	SMD 720-8359 ●	5.21	2.60	1.76	– –	– –
TS	3 / TO-220	◆1A, Ultra LDO, +-1%	TS2940CZ-3.3 C0	726-1373 ●	3.26	2.31	2.02	– –	– –
TS	3 / TO-263	◆1A, Ultra LDO, +-1%	TS2940CM-3.3	SMD 726-1381 ●	3.78	2.67	2.31	– –	– –
TS	3 / TO-252	◆1A, Ultra LDO, +-1%	TS2940CP-3.3 C5	SMD 726-1390 ●	3.09	2.18	1.92	– –	– –
TS	3 / SOT-223	◆1A, Ultra LDO, +-1%	TS2940CW-3.3 RP	SMD 726-1403 ●	3.09	2.18	1.92	– –	– –
TI	20 / TSSOP	1.5A Fast Transient Response, Reset O/P	TPS75333QPWP	SMD 110-2968 ●	7.48	5.72	4.37	3.84	– –
NSC	3 / TO-263	1.5ALDO	LM1086CS-3.3	SMD 948-9959 ●	4.25	3.36	2.45	– –	– –
NSC	3 / TO-220	1.5ALDO	LM1086CT-3.3	948-9983 ●	4.25	3.36	2.45	– –	– –
MICR	3 / TO-220	◆1.5A, LDO	MIC29150-3.3BT	572-093	17.85	13.74	11.01	7.29	– –
MICR	3 / TO-220	◆1.5A, LDO	MIC29150-3.3WT	121-3486 ●	17.85	13.74	11.01	7.29	– –
TS	3 / TO-220	◆1.5A, LDO, +3.3V	TS1086CZ-3.3	720-8324 ●	9.11	4.56	3.06	– –	– –
TS	3 / TO-252	◆1.5A, LDO, +3.3V	TS1086CP-3.3	SMD 720-8332 ●	8.79	4.39	2.93	– –	– –
MICR	3 / TO-220	◆3A, LDO	MIC29300-3.3BT	572-100	26.84	20.78	16.50	10.95	– –
MICR	3 / TO-220	◆3A, LDO	MIC29300-3.3WT	121-3487 ●	26.84	20.78	16.50	10.95	– –
TS	3 / TO-220	◆3A, LDO, +3.3V	TS1085CZ-3.3	720-8286 ●	10.09	5.05	3.39	– –	– –
TS	3 / TO-252	◆3A, LDO, +3.3V	TS1085CP-3.3	SMD 720-8294 ●	9.76	4.88	3.26	– –	– –
TS	3 / TO-220	◆5A, LDO, +3.3V	TS1084CZ-3.3	720-8243 ●	10.74	5.37	3.58	– –	– –
TS	3 / TO-263	◆5A, LDO, +3.3V	TS1084CM-3.3	SMD 720-8251 ●	10.74	5.37	3.58	– –	– –
+3.6V									
NSC	8 / MSOP	0.15A, LDO (Dual, IND TEMP, MSOP)	LP2966IMM-3636	SMD 977-8454 ●	4.08	3.22	2.35	– –	– –
+5V									
NSC	3 / SOT-23	0.1A, 4% o/p Tol.	LM3480IM3-5.0	SMD 316-0634 ●	1.30	1.01	0.84	– –	– –
ZET	3 / SOT-223	0.2A, 4% o/p Tol.	ZSR500G.	SMD 772-1455	2.36	1.77	1.18	0.94	– –
ZET	3 / SOT-223	0.2A, 4% o/p Tol.	ZSR500G	SMD 113-2785 ●	2.42	1.81	1.21	0.97	– –
FCH	3 / TO-220	0.5A, 4% o/p Tol.	KA78M05TU.	347-7058▲‡	0.97	0.74	0.65	0.53	– –
FCH	3 / TO-220	0.5A, 4% o/p Tol.	KA78M05TU	101-3836 ●	1.05	0.83	0.73	0.55	– –
SAM	3 / TO-220	1A, 2% o/p Tol.	KA7805ATU.	345-8167▲‡	0.96	0.59	0.52	– –	– –
FCH	3 / TO-220	1A, 2% o/p Tol.	KA7805ATU	101-3817 ●	0.96	0.59	0.52	– –	– –
NSC	3 / SOT-223	1A, 2% o/p Tol.	LM2940IMP-5.0	SMD 977-8845 ●	3.76	2.97	2.17	– –	– –
NSC	3 / SOT-223	1A, 2% o/p Tol.	LM340MP-5.0	SMD 977-8527 ●	2.15	1.50	1.09	– –	– –
FCH	3 / TO-220	3A, 4% o/p Tol.	KA78T05TU	101-3837 ●	3.14	2.50	2.15	1.65	– –
NSC	8 / SOIC	◆0.05A, LDO	LM2936M-5.0	SMD 949-4421 ●	4.08	3.22	2.35	– –	– –
NSC	3 / SOT-223	◆0.05A, LDO	LM2936MP-5.0	SMD 977-9256 ●	4.65	3.67	2.68	– –	– –
NSC	5 / SOT-23	◆0.05A, LDO	LP2980AIM5-5.0	SMD 977-9647 ●	1.37	0.95	0.68	– –	– –
NSC	5 / SOT-23	◆0.05A, LDO	LP2980IM5-5.0	SMD 977-9329 ●	1.37	0.95	0.68	– –	– –
NSC	5 / SOT-23	◆0.05A, LDO	LP2982IM5-5.0	SMD 977-9825 ●	2.35	1.70	1.21	– –	– –
ZET	3 / TO-92	◆0.07A, (IND TEMP)	ZMR500C.	302-3916▲	2.30	1.72	1.15	0.92	– –
ZET	3 / TO-92	◆0.07A, (IND TEMP)	ZMR500C	113-2692 ●	2.30	1.72	1.15	0.92	– –
ZET	3 / SOT-23	◆0.07A, (IND TEMP)	ZMR500FTA.	SMD 302-3928	2.02	1.52	1.01	0.81	– –
ZET	3 / SOT-23	◆0.07A, (IND TEMP)	ZMR500FTA	SMD 113-2693 ●	1.73	1.30	0.86	0.69	– –
ST	8 / SOIC	◆0.1A, LDO, S (IND TEMP)	LE50CD	SMD 975-5365 ●	2.60	1.99	1.71	1.32	– –
ON	3 / TO-220	◆0.1A, 5% o/p Tol, LDO, S	LM2931AT-5.0	300-4685	1.82	1.51	1.21	0.91	– –
ON	3 / TO-220	◆0.1A, 5% o/p Tol, LDO, S	LM2931AT-5.0G	121-4456 ●	3.35	2.15	1.53	– –	– –
ON	8 / SOIC	◆0.1A, 5% o/p Tol, LDO, S	LM2931D-5.0	SMD 300-4697	1.37	1.09	0.89	0.75	– –
ON	8 / SOIC	◆0.1A, 5% o/p Tol, LDO, S	LM2931D-5.0G	SMD 121-4458 ●	2.21	1.43	1.04	– –	– –
ON	3 / TO-220	0.1A, LDO	LM2931T-5.0G	121-4464 ●	1.79	1.33	1.17	1.04	– –
ON	8 / SOIC	0.1A, LDO	LM2931AD-5.0G	SMD 121-1098 ●	2.21	1.33	1.04	– –	– –
NSC	5 / SOT-23	◆0.1A, 0.75% o/p Tol, LDO	LP2981AIM5-5.0	SMD 977-9957 ●	1.82	1.27	0.92	– –	– –
ON	8 / SOIC	◆0.1A	MC78L05ACDG	SMD 966-6265 ●	0.94	0.72	0.49	0.34	– –
ON	3 / TO-92	◆0.1A	MC78L05ACPG	966-6125 ●	0.94	0.72	0.49	0.34	– –
NSC	8 / SOIC	0.1A	LM78L05ACM	SMD 948-9436 ●	1.18	0.82	0.59	– –	– –
FCH	3 / TO-92	0.1A	KA78L05AZ.	563-754▲‡	0.84	0.54	0.39	– –	– –
FCH	3 / TO-92	0.1A	KA78L05AZ	101-4073 ●	0.84	0.54	0.39	– –	– –
NSC	3 / TO-92	0.1A	LM78L05ACZ	948-9444 ●	1.18	0.82	0.59	– –	– –
NSC	3 / TO-92	0.1A	LM340LAZ-5.0.	412-442‡	2.09	1.46	1.06	– –	– –
NSC	3 / TO-92	0.1A	LM340LAZ-5.0	948-9452 ●	1.55	1.08	0.78	– –	– –
NSC	3 / TO-92	0.1A, LDO	LM2931AZ-5.0	948-9487 ●	1.55	1.08	0.78	– –	– –
NSC	8 / SOIC	0.1A, LDO	LM2931M-5.0	SMD 949-3433 ●	1.68	1.16	0.84	– –	– –
NSC	3 / TO-220	0.1A, LDO	LM2931T-5.0.	412-510‡	2.57	1.80	1.28	– –	– –
NSC	3 / TO-220	0.1A, LDO	LM2931T-5.0	948-9614 ●	2.57	1.80	1.28	– –	– –
NSC	3 / TO-92	0.1A, LDO	LM2931Z-5.0	948-9568 ●	1.68	1.16	0.84	– –	– –
NSC	3 / TO-92	0.1A, LDO	LP2950ACZ-5.0.	412-466‡	1.70	1.19	0.86	– –	– –
NSC	3 / TO-92	0.1A, LDO	LP2950ACZ-5.0	948-9460 ●	1.70	1.19	0.86	– –	– –
NSC	3 / TO-92	0.1A, LDO	LP2950CZ-5.0	948-9479 ●	1.39	0.97	0.71	– –	– –
NSC	5 / SOT-23	0.1A, LDO	LP2981IM5-5.0	SMD 977-9817 ●	1.76	1.23	0.89	– –	– –
TI	8 / SOIC	0.1A	UA78L05ACD	SMD 959-3845 ●	0.78	0.60	0.45	0.29	– –
TI	3 / TO-92	0.1A	UA78L05ACLP	959-3853 ●	0.78	0.60	0.45	0.29	– –
TI	3 / SOT-89	0.1A	UA78L05ACPKG4	SMD 959-3870 ●	1.16	0.89	0.67	0.42	– –
TOR	3 / SOT-23	0.15A , LDO (Dual, IND TEMP, MSOP)	XC6202P502MR	SMD 360-5760 ●	1.89	1.65	– –	– –	– –
TOR	3 / SOT-89	0.15A , LDO (Dual, IND TEMP, MSOP)	XC6202P502PR	SMD 360-5772 ●	1.89	1.59	1.44	– –	– –
TI	8 / SOIC	0.15A , LDO	TL750L05CD	SMD 959-3659 ●	1.33	0.95	0.72	0.48	– –
NSC	8 / MSOP	0.15A , LDO (Dual, IND TEMP, MSOP)	LP2966IMM-5050	SMD 977-8462 ●	4.08	3.22	2.35	– –	– –
NSC	5 / SOT-23	◆0.15A, LDO	LP2985AIM5-5.0	SMD 977-8292 ●	1.68	1.16	0.84	– –	– –
NSC	5 / SOT-23	◆0.15A, LDO	LP2985IM5-5.0	SMD 977-8306 ●	1.61	1.11	0.80	– –	– –
LT	8 / DIL	◆0.15A, LDO	LT1121CN8-5	386-2069▲	6.12	3.90	3.24	– –	– –
LT	8 / DIL	◆0.15A	LT1121CN8-5#PBF	956-0050 ●	6.12	3.90	3.24	– –	– –
LT	8 / SOIC	◆0.15A, LDO	LT1121CS8-5	SMD 476-7240▲	5.73	4.83	4.14	– –	– –
LT	8 / SOIC	◆0.15A	LT1121CS8-5#PBF	SMD 956-0076 ●	5.86	3.76	3.06	– –	– –
LT	3 / SOT-223	◆0.15A, LDO	LT1121IST-5	SMD 476-7251▲	7.35	6.24	5.37	– –	– –
LT	3 / SOT-223	◆0.15A	LT1121IST-5#PBF	SMD 956-0084 ●	7.59	4.86	3.95	– –	– –
TI	3 / TO-92	0.15A, LDO	TL750L05CLP	110-0943	1.33	0.95	0.72	0.48	– –
TI	3 / TO-92	0.15A, LDO	TL750L05CLPE3	121-9425 ●	1.33	0.95	0.72	0.48	– –
NSC	3 / TO-263	◆0.15A	LM2930S-5.0	SMD 949-4413 ●	3.03	2.15	1.57	– –	– –
NSC	3 / TO-220	0.15A, LDO	LM2930T-5.0	948-9703 ●	2.78	1.94	1.38	– –	– –
TOR	5 / SOT-23	0.25A, LDO	XC6201P502MRN	SMD 105-7795 ●	1.43	1.24	1.02	– –	– –
TOR	3 / SOT-89	0.25A, LDO	XC6201P502PRN	SMD 105-7796 ●	1.43	1.24	1.02	– –	– –
TOR	5 / SOT-23	◆##	XC6204B502MRN	SMD 110-6659 ●	1.58	1.32	1.20	– –	– –

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

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Mftr.	Pins/Package	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
+5V									
TS	3 / TO-92	◆150mA, Ultra LDO +-0.5%	TS2950CT-5.0 A3	NEW **726-1411**●	1.73	1.24	1.07	– –	– –
TS	8 / SOIC	◆150mA, Ultra LDO +-0.5%	TS2951CS-5.0 RL	SMD **726-1420**●	2.57	1.82	1.59	– –	– –
ZET	3 / TO-92	◆0.2A, 2.5% o/p Tol, LDO	ZSR500CL.	**384-8541**▲	1.95	1.46	0.98	0.78	– –
ZET	3 / TO-92	◆0.2A, 2.5% o/p Tol, LDO	ZSR500CL	**113-2761**●	1.95	1.46	0.98	0.78	– –
NSC	8 / SOIC	◆0.2A, 0.5% o/p Tol, LDO	LP2986AIM-5.0.	SMD **956-259**‡	3.70	2.92	2.13	– –	– –
NSC	8 / SOIC	◆0.2A, LDO	LP2986AIM-5.0	SMD **949-4880**●	3.70	2.92	2.13	– –	– –
ZET	3 / TO-92	0.2A	ZR78L05C.	**572-342**▲	1.56	1.17	0.78	0.62	– –
ZET	3 / TO-92	0.2A	ZR78L05C	**113-2771**●	1.56	1.17	0.78	0.62	– –
ZET	3 / SOT-223	0.2A	ZR78L05G.	SMD **572-329**▲	2.15	1.61	1.08	0.86	– –
ZET	3 / SOT-223	0.2A	ZR78L05G	SMD **113-2769**●	2.15	1.61	1.08	0.86	– –
NSC	3 / TO-220	0.25A, LDO	LP2954AIT	**949-4847**●	9.90	7.20	5.39	– –	– –
NSC	3 / TO-263	0.25A, 2% o/p Tol, LDO	LP2954IS.	SMD **956-004**‡	5.24	3.81	2.85	– –	– –
NSC	3 / TO-263	0.25A, LDO	LP2954IS	SMD **949-4855**●	5.24	3.81	2.85	– –	– –
NSC	3 / TO-220	◆0.25A Fast Ultra LDO, S, N (Extended TEMP)	LP2954IT	**948-6020**●	5.24	3.81	2.85	– –	– –
ST	8 / SOIC	◆0.25A, LDO, S (IND TEMP)	L4931CD50	SMD **109-4212**●	2.19	1.68	1.44	1.11	– –
ST	3 / TO-220	◆0.25A, LDO, S (IND TEMP)	L4931CV50.	**302-4600**▲	2.51	1.92	1.65	1.27	– –
ST	3 / TO-220	◆0.25A, LDO, S (IND TEMP)	L4931CV50	**109-4214**●	2.51	1.92	1.65	1.27	– –
ST	3 / TO-220	◆0.25A, LDO, S (IND TEMP)	L4931CV50	**109-4214**●	2.51	1.92	1.65	1.27	– –
TOR	3 / SOT-23	0.25A, LDO	XC62FP5002MR	SMD **360-5620**●	1.59	1.32	1.20	1.07	– –
TOR	3 / SOT-89	0.25A, LDO	XC62FP5002PR	SMD **360-5632**●	1.59	1.32	1.20	1.13	– –
LT	3 / SOT-223	0.3A, LDO	LT1521CST-5	SMD **476-7421**▲	7.35	6.24	5.37	– –	– –
LT	3 / SOT-223	0.3A, LDO, S	LT1521CST-5#PBF	SMD **956-0610**●	7.59	4.86	3.95	– –	– –
LT	8 / SOIC	0.3A, LDO	LT1521CS8-5	SMD **476-7410**▲	7.83	6.63	5.70	– –	– –
LT	8 / SOIC	0.3A, LDO, S	LT1521CS8-5#PBF	SMD **956-0602**●	8.05	5.16	4.20	– –	– –
TOR	4 / SSOT-24	0.15A, LDO, S	XC6215B502NR	SMD **105-7812**●	1.30	1.14	0.93	– –	– –
ZET	8 / SOIC	◆0.3A, LDO	ZLDO500T8.	SMD **642-666**▲	3.94	2.95	1.97	1.57	– –
ZET	8 / SOIC	◆0.3A, LDO	ZLDO500T8	SMD **113-2779**●	3.94	2.95	1.97	1.57	– –
TOR	3 / SOT-89	0.4A, LDO	XC6203E502PR	SMD **360-5796**●	1.89	1.59	1.44	– –	– –
TS	3 / TO-220	◆500mA, Ultra LDO, +-1%	TS2937CZ-5.0 C0	**726-1330**●	3.09	2.18	1.92	– –	– –
TS	3 / TO-263	◆500mA, Ultra LDO, +-1%	TS2937CM-5.0 C0	SMD **726-1349**●	3.09	2.18	1.92	– –	– –
TS	3 / TO-252	◆500mA, Ultra LDO, +-1%	TS2937CP-5.0 C5	SMD **726-1357**●	2.57	1.82	1.59	– –	– –
TS	3 / SOT-223	◆◆500mA, Ultra LDO, +-1%	TS2937CW-5.0 RP	SMD **726-1365**●	2.57	1.82	1.59	– –	– –
ST	8 / SOIC	◆0.5A, LDO, S (IND TEMP)	KF50BD	SMD **975-5373**●	2.57	1.97	1.69	1.31	– –
ST	3 / TO-220	◆0.5A, LDO, S (IND TEMP)	LF50CV.	**302-4623**▲	2.29	1.75	1.50	1.16	– –
ST	3 / TO-220	◆0.5A, LDO, S (IND TEMP)	LF50CV	**109-4240**●	2.29	1.75	1.50	1.16	– –
ON	3 / TO-220	◆0.5A, 4% o/p Tol, S (IND TEMP)	MC78M05BT.	**300-4843**	2.71	2.16	1.76	1.48	– –
ON	3 / TO-220	◆0.5A, 4% o/p Tol, S (IND TEMP)	MC78M05BTG	**121-4462**●	3.74	2.08	1.43	– –	– –
ON	3 / TO-220	0.5A	MC78M05CTG	**966-5374**●	1.33	1.02	0.70	0.48	– –
ON	3 / D-Pak	0.5A	MC78M05CDTG	SMD **966-4513**●	1.59	1.22	0.83	0.57	– –
NSC	3 / TO-39	1A	LM309H	**121-6178**●	10.19	7.41	5.55	– –	– –
NSC	3 / TO-220	0.5A, LDO	LM2937ET-5.0.	**271-056**‡	3.61	2.85	2.08	– –	– –
NSC	3 / TO-220	◆0.5A Fast Ultra LDO, S, N (Extended TEMP)	LM2937ET-5.0	**948-6038**●	3.61	2.85	2.08	– –	– –
TOSH	3 / TO-220NIS	◆0.5A, LDO	TA78M05S	**318-6623**	2.02	1.50	1.26	– –	– –
TOSH	3 / TO-220NIS	◆0.5A, LDO	TA78M05S(Q)	**121-8131**●	2.18	1.63	1.43	– –	– –
LT	5 / TO-220	0.7A, LDO	LT1129CT5	**525-820**▲	8.90	5.67	4.71	– –	– –
LT	5 / TO-220	0.7A, LDO	LT1129CT5#PBF	**956-0106**●	8.90	5.67	4.71	– –	– –
NSC	3 / D-Pak	◆0.8A Fast Ultra LDO, S, N (Extended TEMP)	LM1117DT-5.0	SMD **948-6283**●	2.57	1.80	1.28	– –	– –
NSC	3 / SOT-223	0.8A, LDO	LM1117MP-5.0	SMD **977-8209**●	2.01	1.41	1.02	– –	– –
TI	3 / SOT-223	0.8A, LDO	REG1117-50	SMD **642-186**	3.50	2.68	1.97	1.70	– –
TI	3 / SOT-223	0.8A, LDO	REG1117-5	SMD **121-2858**●	3.71	2.84	2.09	1.81	– –
NSC	3 / TO-220	0.8A, LDO	LM1117T-5.0.	**120-741**	2.63	1.84	1.31	– –	– –
NSC	3 / TO-220	0.8A, LDO	LM1117T-5.0	**121-5183**●	3.25	2.27	1.62	– –	– –
FCH	3 / TO-220	1A, LDO	KA7805TU.	**563-730**▲‡	1.71	1.11	1.02	– –	– –
FCH	3 / TO-220	◆0.5A, 4% o/p Tol	KA78M05TU	**101-3836**●	1.05	0.83	0.73	0.55	– –
FCH	3 / TO-220	1A	KA7805TU	**101-4071**●	1.71	1.11	1.02	– –	– –
ST	3 / TO-220	1A	L4941BV	**975-6051**●	4.37	3.34	2.87	2.22	– –
ST	3 / TO-220FP	◆1.5A	L7805CP	**975-6434**●	1.80	1.29	1.03	0.75	– –
ON	3 / TO-220	◆1A	MC7805BTG	**121-1135**●	2.05	1.27	1.04	0.72	– –
NSC	3 / TO-263	1A	LM340S-5.0.	SMD **953-556**‡	3.25	2.27	1.62	– –	– –
NSC	3 / TO-263	1A, LDO	LM2940CS-5.0	SMD **977-9850**●	3.70	2.92	2.13	– –	– –
NSC	3 / TO-263	1A	LM340S-5.0	SMD **949-4502**●	3.25	2.27	1.62	– –	– –
NSC	3 / TO-220	1A, LDO	LM2940CT-5.0	**949-0191**●	3.19	2.52	1.84	– –	– –
NSC	3 / TO-263	◆1A, LDO	LM2940S-5.0	SMD **949-4448**●	3.66	2.92	2.13	– –	– –
NSC	3 / TO-220	1A, LDO	LM2940T-5.0	**949-0205**●	3.19	2.52	1.84	– –	– –
ON	3 / TO-220	1A, 2% o/p Tol (IND TEMP)	MC7805ACTG	**966-4505**●	1.39	1.06	0.73	0.50	– –
ON	3 / TO-220	◆1A	MC7805CTG	**966-6095**●	1.22	0.93	0.64	0.43	– –
ST	3 / TO-220	◆1.5A	LD1086V50.	**352-9897**▲	3.55	2.72	2.34	1.80	– –
ST	3 / TO-220	◆1.5A, LDO (IND TEMP)	LD1086V50	**109-4237**●	3.55	2.72	2.34	1.80	– –
ST	3 / TO-263 (D2-Pak)	◆1.5A, LDO (IND TEMP)	L4940D2T5	SMD **121-8166**●	3.09	2.37	2.03	1.57	– –
NSC	3 / TO-220	◆1A, LDO (IND TEMP)	LM340T-5.0	**949-0175**●	2.72	1.98	1.41	– –	– –
NSC	3 / TO-220	1A	LM340AT-5.0.	**412-703**‡	2.99	2.09	1.49	– –	– –
NSC	3 / TO-220	1A	LM340AT-5.0	**949-0183**●	2.99	2.09	1.49	– –	– –
LT	3 / TO-220	◆1.5A, LDO	LT1086CT5	**412-715**▲	8.34	5.31	4.42	– –	– –
ST	3 / TO-220	1.5A, LDO	L4940V5	**975-6060**●	3.71	2.84	2.44	1.89	– –
ST	3 / TO-220	1.5A	L7805CV	**975-6078**●	1.33	0.95	0.76	0.55	– –
ON	3 / TO-263 (D2-Pak)	1A	MC7805CD2TG	SMD **966-5013**●	2.46	1.88	1.27	0.88	– –
TI	3 / TO-220	1.5A	UA7805CKC	**958-9465**●	1.56	1.26	1.01	0.69	– –
NSC	2 / TO-3	1A	LM309K-STEEL	**119-7404**●	18.71	13.60	10.19	– –	– –
NSC	2 / TO-3	1.5A	LM340K-5.0	**121-6179**●	18.62	13.53	10.14	– –	– –
TI	3 / TO-220	1.5A	TL780-05CKC	**959-3780**●	1.58	1.26	1.01	0.69	– –
ST	3 / TO-220	2A	L78S05CV	**975-6086**●	1.84	1.32	1.06	0.77	– –
LT	3 / TO-220	◆1.5A, LDO	LT1086CT-5#PBF	**955-9906**●	7.35	4.71	3.83	– –	– –
FCH	3 / TO-220	3A, 4% o/p Tol	KA78T05TU	**101-3837**●	3.14	2.50	2.15	1.65	– –
ST	2 / TO-3	3A	LM323K	**109-4248**●	9.39	6.98	5.72	4.50	– –
NSC	2 / TO-3	3A	LM323KSTEEL	**119-7405**●	19.11	13.89	10.41	– –	– –
FCH	3 / TO-220	3A	KA78T05	**101-4074**●	3.05	2.50	2.15	1.65	– –
LT	3 / TO-220	◆3A, LDO	LT1085CT5	**412-909**▲	13.58	8.65	7.19	– –	– –
LT	3 / TO-220	◆3A, LDO	LT1085CT-5#PBF	**955-9841**●	12.71	8.14	6.62	– –	– –
SEA	2 / TO-3	◆5A	IP3R18K05	**120-2002**	22.50	20.00	16.36	15.00	– –
LT	3 / TO-3P	◆5A, LDO	LT1084CP5	**245-926**▲	18.55	11.81	9.82	– –	– –
LT	3 / TO-3P	◆5A, LDO	LT1084CP5#PBF	**113-6609**●	17.36	11.13	9.05	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Mftr.	Pins/Package	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
+5V									
LT	3 / TO-220	◆5A, LDO	LT1084CT5	**412-922**▲	17.24	10.98	9.13	– –	– –
LT	3 / TO-220	◆5A, LDO	LT1084CT-5#PBF	**955-9787**●	15.17	9.72	7.91	– –	– –
+6V									
ZET	3 / TO-92	0.2A	ZR78L06C.	**572-354**▲	1.56	1.17	0.78	0.62	– –
ZET	3 / TO-92	0.2A	ZR78L06C	**113-2772**●	1.56	1.17	0.78	0.62	– –
FCH	3 / TO-220	1A	KA7806TU.	**345-8179**▲‡	0.95	0.74	0.65	0.53	– –
FCH	3 / TO-220	1A, 4% o/p Tol.	KA7806TU	**101-3818**●	1.05	0.83	0.73	0.55	– –
ST	3 / TO-220	1.5A	L7806CV	**975-6094**●	1.49	1.07	0.85	0.62	– –
+6.2V									
NSC	3 / TO-92	0.1A	LM78L62ACZ.	**412-958**‡	1.97	1.37	1.00	– –	– –
NSC	3 / TO-92	0.1A	LM78L62ACZ	**949-0213**●	1.97	1.37	1.00	– –	– –
TI	8 / SOIC	0.1A	UA78L08ACD	SMD **959-3888**●	0.89	0.69	0.47	0.32	– –
+8V									
ON	8 / SOIC	0.1A	MC78L08ACDG	SMD **121-1120**●	1.20	0.88	0.75	– –	– –
NSC	3 / TO-220	0.15A, LDO	LM2930T-8.0.	**412-960**‡	2.78	1.94	1.38	– –	– –
NSC	3 / TO-220	0.15A, LDO	LM2930T-8.0	**949-0221**●	2.78	1.94	1.38	– –	– –
ZET	3 / TO-92	0.2A	ZSR800CL.	**384-8553**▲	1.95	1.46	0.98	0.78	– –
ZET	3 / TO-92	0.2A	ZSR800CL	**113-2764**●	1.95	1.46	0.98	0.78	– –
ON	3 / TO-220	0.5A	MC78M08CTG	**966-5366**●	1.33	1.02	0.70	0.48	– –
FCH	3 / TO-220	1A	KA7808TU.	**345-8180**▲‡	1.27	1.06	0.93	0.77	– –
FCH	3 / TO-220	1A, 4% o/p Tol.	KA7808TU	**101-3819**●	1.51	1.20	1.05	0.79	– –
NSC	3 / TO-220	1A, LDO	LM2940T-8.0	**949-0230**●	3.19	2.52	1.84	– –	– –
NSC	3 / TO-220	1A	LM7808CT.	**412-983**‡	2.63	1.84	1.31	– –	– –
NSC	3 / TO-220	1A	LM7808CT	**949-0248**●	2.63	1.84	1.31	– –	– –
ON	3 / TO-220	◆1A	MC7808CTG	**966-6222**●	1.22	0.93	0.64	0.43	– –
ST	3 / TO-220	1.5A	L7808CV	**975-6108**●	1.49	1.07	0.85	0.62	– –
+8.2V									
NSC	3 / TO-92	0.1A	LM78L82ACZ	**949-0256**●	1.97	1.37	1.00	– –	– –
+8.5V									
ST	3 / TO-220	◆1.5A, LDO	L4940V85	**109-4216**●	4.13	3.16	2.71	2.10	– –
+9V									
ON	3 / TO-220	◆1A, LDO	MC7809CTG	**966-6230**●	1.22	0.93	0.64	0.43	– –
FCH	3 / TO-220	1A, 4% o/p Tol.	KA7809TU	**101-3820**●	1.02	0.83	0.73	0.55	– –
NSC	3 / TO-263	1A, LDO	LM2940CS-9.0	SMD **949-4430**●	3.70	2.92	2.13	– –	– –
NSC	3 / TO-220	1A, LDO	LM2940T-9.0	**949-3514**●	3.19	2.52	1.84	– –	– –
TI	3 / TO-92	0.1A	UA78L10ACLP	**959-3896**●	0.78	0.60	0.45	0.29	– –
FCH	3 / TO-220	1A, 4% o/p Tol	KA7809TU	**101-3820**●	1.02	0.83	0.73	0.55	– –
+10V									
FCH	3 / TO-220	1A	KA7810TU.	**345-8209**▲‡	0.99	0.74	0.65	0.53	– –
FCH	3 / TO-220	1A, 4% o/p Tol.	KA7810TU	**101-3821**●	1.05	0.83	0.73	0.55	– –
NSC	3 / TO-220	1A, LDO	LM2940T-10.0	**949-3522**●	3.19	2.52	1.84	– –	– –
TI	3 / TO-220	1.5A	UA7810CKCG4	**959-3829**●	1.49	1.07	0.80	0.54	– –
+12V									
NSC	3 / TO-39	0.1A, (MIL TEMP)	LM140LAH-12	**121-6180**●	10.82	8.03	6.02	– –	– –
NSC	8 / SOIC	0.1A	LM78L12ACM	SMD **949-0264**●	1.18	0.82	0.59	– –	– –
FCH	3 / TO-92	0.1A	KA78L12AZ	**563-766**▲	0.78	0.52	0.40	– –	– –
NSC	3 / TO-92	0.1A	LM78L12ACZ	**949-0272**●	1.18	0.82	0.59	– –	– –
ON	8 / SOIC	◆0.1A	MC78L12ACDG	SMD **966-6273**●	0.94	0.72	0.49	0.34	– –
TOSH	3 / TO-92	◆0.1A	TA78L12S	**318-6600**	1.03	0.69	0.59	– –	– –
TOSH	3 / TO-92	◆0.1A	TA78L12S(F)	**121-8126**●	1.11	0.75	0.65	– –	– –
TI	8 / SOIC	◆0.1A	UA78L12ACD	SMD **959-3900**●	0.78	0.60	0.45	0.29	– –
TI	3 / TO-92	◆0.1A	UA78L12ACLP	**959-3918**●	0.78	0.60	0.45	0.29	– –
ON	3 / TO-92	◆0.1A	MC78L12ACPG	**966-6133**●	0.94	0.72	0.49	0.34	– –
TOSH	3 / SOT-89	◆150mA	TA78L12F.	SMD **318-6568**	1.03	0.82	0.71	– –	– –
NSC	3 / TO-220	0.5A, LDO	LM2937ET-12.	**596-760**‡	3.61	2.85	2.08	– –	– –
NSC	3 / TO-220	0.5A, LDO	LM2937ET-12	**949-3492**●	3.61	2.85	2.08	– –	– –
ST	3 / TO-220	0.5A	L78M12CV	**975-6116**●	1.53	1.10	0.88	0.64	– –
ON	3 / TO-220	0.5A	MC78M12CTG	**966-5382**●	1.33	1.02	0.70	0.48	– –
ON	3 / D-Pak	0.5A	MC78M12CDTG	SMD **121-1123**●	1.40	1.11	0.88	– –	– –
FCH	3 / TO-220	1A, 4% o/p Tol.	KA7812ATU.	**345-8210**▲‡	1.38	1.15	1.01	0.84	– –
FCH	3 / TO-220	1A, 2% o/p Tol.	KA7812ATU	**101-3822**●	1.38	1.15	1.01	0.84	– –
FCH	3 / TO-220	1A, 2% o/p Tol.	KA7812.	**563-742**▲‡	1.46	1.06	1.01	0.77	– –
FCH	3 / TO-220	1A	KA7812	**101-4072**●	1.46	1.20	1.05	0.79	– –
ST	3 / TO-220FP	◆1.5A	L7812CP	**975-6442**●	1.80	1.29	1.03	0.75	– –
NSC	3 / TO-263	◆1A	LM340S-12	SMD **949-4499**●	3.25	2.27	1.62	– –	– –
NSC	3 / TO-220	1A, LDO	LM2940CT-12	**949-0299**●	3.19	2.52	1.84	– –	– –
NSC	3 / TO-220	◆1A Fast Ultra LDO, S, N (Extended TEMP)	LM2940T-12.0	**948-5872**●	3.19	2.52	1.84	– –	– –
NSC	3 / TO-220	1A	LM340T-12	**949-0280**●	2.72	1.98	1.41	– –	– –
ON	3 / TO-220	1A	MC7812CTG	**966-6109**●	1.22	0.93	0.64	0.43	– –
LT	3 / TO-220	◆1.5A, LDO	LT1086CT12	**413-173**▲	7.84	4.99	4.15	– –	– –
ST	3 / TO-220	◆1.5A, LDO	L4940V12.	**413-197**▲	4.13	3.16	2.71	2.10	– –
ST	3 / TO-220	1.5A, LDO	L4940V12	**109-4215**●	4.13	3.16	2.71	2.10	– –
ST	3 / TO-220	1.5A	L7812CV	**975-6124**●	1.32	0.95	0.76	0.55	– –
ON	3 / TO-263 (D2-Pak)	1A	MC7812CD2TG	SMD **966-5021**●	2.46	1.88	1.27	0.88	– –
TI	3 / TO-220	1.5A	UA7812CKCG4	**958-9473**●	1.41	1.01	0.76	0.51	– –
NSC	2 / TO-3	1A	LM340K-12	**121-6182**●	18.62	13.53	10.14	– –	– –
ST	3 / TO-220	2A	L78S12CV	**975-6132**●	1.84	1.32	1.06	0.77	– –
LT	3 / TO-220	◆1.5A, LDO	LT1086CT-12#PBF	**955-9884**●	7.35	4.71	3.83	– –	– –
FCH	3 / TO-220	3A, 4% o/p Tol.	KA78T12TU	**101-3838**●	2.58	2.12	1.82	1.40	– –
FCH	3 / TO-220	3A	KA78T12TU	**101-3838**●	2.58	2.12	1.82	1.40	– –
LT	3 / TO-220	◆3A, LDO	LT1085CT12	**413-290**▲	14.46	9.21	7.66	– –	– –
MICR	3 / TO-220	◆3A, LDO	MIC29300-12BT	**640-621**	26.84	20.75	16.47	– –	– –
MICR	3 / TO-220	◆3A, LDO	MIC29300-12WT	**121-3493**●	26.84	20.75	16.47	– –	– –
LT	3 / TO-220	◆3A, LDO	LT1085CT-12#PBF	**955-9825**●	12.71	8.14	6.62	– –	– –
SEA	2 / TO-3	◆5A	IP3R18K12	**120-2003**	22.50	20.00	16.36	15.00	– –
LT	3 / TO-3P	◆5A, LDO	LT1084CP12	**245-938**▲	18.55	11.81	9.82	– –	– –
LT	3 / TO-3P	◆5A, LDO	LT1084CP12#PBF	**955-9736**●	18.55	11.81	9.82	– –	– –
LT	3 / TO-220	◆5A, LDO	LT1084CT12	**413-318**▲	16.20	10.32	8.58	– –	– –
LT	3 / TO-220	◆5A, LDO	LT1084CT-12#PBF	**955-9760**●	15.17	9.72	7.91	– –	– –
+15V									

● Compliant
▲ Non-compliant
‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

Mftr.	Pins/Package	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
+15V									
NSC	8 / SOIC	0.1A	LM78L15ACM	SMD 949-0302	1.18	0.82	0.59	– –	– –
NSC	3 / TO-92	0.1A	LM78L15ACZ	949-0310	1.18	0.82	0.59	– –	– –
TOSH	3 / TO-92	◆0.1A	TA78L15S	318-6611	0.89	0.64	0.58	– –	– –
TI	8 / SOIC	◆0.1A	UA78L15ACD	SMD 959-3926	0.78	0.60	0.45	0.29	– –
ON	8 / SOIC	0.1A	MC78L15ACDG	SMD 121-1121	1.14	0.72	0.64	– –	– –
TOSH	3 / TO-92	0.1A	TA78L15S(F)	121-8127	1.02	0.74	0.67	– –	– –
TOSH	3 / SOT-89	◆150mA	TA78L15F.	SMD 318-6570	1.09	0.84	0.71	– –	– –
NSC	3 / TO-220	0.5A, LDO	LM2937ET-15.	596-772‡	3.61	2.85	2.08	– –	– –
NSC	3 / TO-220	0.5A, LDO	LM2937ET-15	949-3506	3.61	2.85	2.08	– –	– –
ST	3 / TO-220	0.5A	L78M15CV	975-6140	1.53	1.10	0.88	0.64	– –
ON	3 / D-Pak	0.5A	MC78M15CDTG	SMD 121-1124	1.33	0.81	0.64	– –	– –
ON	3 / TO-220	0.5A	MC78M15CTG	966-5390	1.33	1.02	0.70	0.48	– –
FCH	3 / TO-220	3A	KA78T05TU.	347-7083▲‡	2.65	2.21	1.94	1.60	– –
FCH	3 / TO-220	0.5A, 4% o/p Tol	KA78M15TU	347-7071▲	1.02	0.74	0.65	0.53	– –
FCH	3 / TO-220	3A, 4% o/p Tol	KA78T05TU	101-3837	3.14	2.50	2.15	1.65	– –
SAM	3 / TO-220	1A, 4% o/p Tol	KA7815TU.	345-8222▲‡	0.95	0.70	0.61	– –	– –
FCH	3 / TO-220	1A, 4% o/p Tol	KA7815TU	101-3823	0.95	0.70	0.61	– –	– –
NSC	3 / TO-220	1A, LDO	LM2940CT-15	949-0337	3.19	2.52	1.84	– –	– –
ON	3 / TO-220	◆1A	MC7815CTG	966-6117	1.22	0.93	0.64	0.43	– –
NSC	3 / TO-220	1A	LM340T-15	949-0329	2.72	1.98	1.41	– –	– –
ST	3 / TO-220	1.5A	L7815CV	975-6159	1.33	0.95	0.76	0.55	– –
NSC	2 / TO-3	1A	LM340K-15	121-5193	18.62	13.53	10.14	– –	– –
TI	3 / TO-220	1.5A	TL780-15CKC	959-3799	1.58	1.26	1.01	0.69	– –
TI	3 / TO-220	1.5A	UA7815CKC	959-3837	1.56	1.26	1.01	0.69	– –
ST	3 / TO-220	2A	L78S15CV	975-6167	1.46	1.12	0.98	0.74	– –
FCH	3 / TO-220	3A, 4% o/p Tol.	KA78T15TU	101-3839	3.14	2.50	2.15	1.65	– –
+18V									
TOSH	3 / SOT-89	◆150mA	TA78L18F.	SMD 318-6581	1.09	0.84	0.71	– –	– –
ON	3 / TO-220	◆1A	MC7818CTG	966-6249	1.22	0.93	0.64	0.43	– –
ST	3 / TO-220	1.5A	L7818CV	975-6175	1.54	1.10	0.88	0.64	– –
ST	3 / TO-220	2A	L78S18CV	975-6183	1.46	1.12	0.98	0.74	– –
+20V									
ST	3 / TO-220	1.5A	L7820CV	975-6191	1.53	1.10	0.88	0.64	– –
+24V									
TOSH	3 / SOT-89	◆150mA	TA78L24F.	SMD 318-6593	1.23	0.90	0.72	– –	– –
ST	3 / TO-220	0.5A	L78M24CV	975-6205	1.53	1.10	0.88	0.64	– –
ON	3 / TO-220	◆1A	MC7824CTG	966-6257	1.22	0.93	0.64	0.43	– –
ST	3 / TO-220	1.5A	L7824CV	975-6213	1.33	0.95	0.76	0.55	– –
ST	3 / TO-220	2A	L78S24CV	975-6221	1.84	1.32	1.06	0.77	– –
-3.3V									
MCHIP	5 / SC70	0.15A	TC1017-3.3VLTTR	SMD 875-2931	1.15	0.71	0.71	– –	– –
-5V									
NSC	8 / SOIC	0.1A	LM79L05ACM	SMD 949-0345	1.68	1.16	0.84	– –	– –
TI	3 / TO-92	0.1A	MC79L05ACLP	958-9848	0.78	0.60	0.45	0.29	– –
ON	3 / TO-92	◆0.1A	MC79L05ACPG	966-6168	0.94	0.72	0.49	0.34	– –
NSC	3 / TO-220	◆0.5A	LM79M05CT	949-0353	2.99	2.09	1.49	– –	– –
LT	8 / DIL	0.5A	LT1175CN8-5	386-2124▲	10.29	6.55	5.45	– –	– –
LT	8 / DIL	0.5A	LT1175CN8-5#PBF	113-6615	9.03	5.79	4.71	– –	– –
FCH	3 / TO-220	1A	KA7905	563-778▲	1.58	1.45	1.28	– –	– –
NSC	3 / TO-220	1A, LDO	LM2990T-5.0.	205-436‡	5.65	4.11	3.08	– –	– –
NSC	3 / TO-220	◆1A Fast Ultra LDO, S, N (Extended TEMP)	LM2990T-5.0	948-5880	5.65	4.11	3.08	– –	– –
ON	8 / SOIC	0.1A	MC79L05ACDG	SMD 121-1125	1.07	0.72	0.64	– –	– –
ON	3 / TO-220	◆1A	MC7905CTG	966-6141	1.17	0.93	0.64	0.43	– –
TOSH	3 / TO-220NIS	◆1A, ISO TAB	TA79005S	318-6635	2.02	1.50	1.26	– –	– –
TOSH	3 / TO-220NIS	◆1A, ISO TAB	TA79005S(Q)	121-8132	2.18	1.63	1.43	– –	– –
NSC	3 / TO-220	1.5A	LM320T-5.0	949-0361	3.10	2.45	1.78	– –	– –
ST	3 / TO-220	1.5A	L7905CV	975-6230	1.53	1.10	0.88	0.64	– –
NSC	3 / TO-220	1.5A	LM7905CT	949-0370	2.94	2.05	1.46	– –	– –
-5.2V									
NSC	3 / TO-220	◆1A, LDO	LM2990T-5.2.	953-519‡	5.65	4.11	3.08	– –	– –
NSC	3 / TO-220	◆1A, LDO	LM2990T-5.2	949-4464	5.65	4.11	3.08	– –	– –
-6V									
SAM	3 / TO-220	1A, 4% o/p Tol.	KA7906TU.	345-8258▲‡	0.85	0.65	0.51	– –	– –
FCH	3 / TO-220	1A, 4% o/p Tol.	KA7906TU	101-3824	0.95	0.70	0.61	– –	– –
-8V									
SAM	3 / TO-220	1A, 4% o/p Tol.	KA7908TU.	345-8260▲‡	0.85	0.65	0.51	– –	– –
FCH	3 / TO-220	1A, 4% o/p Tol.	KA7908TU	101-3825	1.05	0.75	0.60	– –	– –
ST	3 / TO-220	1.5A	L7908CV	975-6248	1.53	1.10	0.88	0.64	– –
-12V									
NSC	8 / SOIC	0.1A	LM79L12ACM.	SMD 413-781‡	0.63	0.43	0.31	– –	– –
NSC	8 / SOIC	0.1A	LM79L12ACM	SMD 949-0388	1.68	1.16	0.84	– –	– –
NSC	3 / TO-92	0.1A	LM79L12ACZ.	413-793‡	1.62	1.12	0.81	– –	– –
NSC	3 / TO-92	0.1A	LM79L12ACZ	949-0396	1.62	1.12	0.81	– –	– –
ON	3 / TO-92	◆0.1A	MC79L12ACPG	966-6176	0.94	0.72	0.49	0.34	– –
NSC	3 / TO-220	0.5A	LM79M12CT	949-0400	2.99	2.09	1.49	– –	– –
FCH	3 / TO-220	1A	KA7912	563-780▲	1.58	1.45	1.28	– –	– –
NSC	3 / TO-220	1A, LDO	LM2990T-12.	205-448‡	5.65	4.11	3.08	– –	– –
NSC	3 / TO-220	◆1A Fast Ultra LDO, S, N (Extended TEMP)	LM2990T-12	948-5899	5.65	4.11	3.08	– –	– –
ON	3 / TO-220	◆1A	MC7912CTG	966-6150	1.22	0.93	0.64	0.43	– –
NSC	3 / TO-220	1A	LM320T-12.	413-847‡	3.10	2.45	1.78	– –	– –
NSC	3 / TO-220	1A	LM320T-12	949-0418	3.10	2.45	1.78	– –	– –
ST	3 / TO-220	1.5A	L7912CV	975-6256	1.53	1.10	0.88	0.64	– –
NSC	3 / TO-220	1.5A	LM7912CT.	413-860‡	2.94	2.05	1.46	– –	– –
NSC	3 / TO-220	1.5A	LM7912CT	949-0426	2.94	2.05	1.46	– –	– –
NSC	2 / TO-3	1A	LM320K-12	413-884▲	18.71	13.60	10.19	– –	– –
NSC	3 / TO-92	0.1A	LM79L15ACZ	949-0434	1.62	1.12	0.81	– –	– –
-15V									
ON	8 / SOIC	0.1A	MC79L15ACDG	SMD 121-1126	1.07	0.64	0.57	– –	– –
NSC	3 / TO-220	0.5A	LM79M15CT	949-0442	2.99	2.09	1.49	– –	– –
ON	3 / D-Pak	0.5A	MC79M15CDTG	SMD 121-1127	1.79	1.43	1.24	– –	– –
NSC	3 / TO-220	◆1A Fast Ultra LDO, S, N (Extended TEMP)	LM2990T-15	948-5902	5.65	4.11	3.08	– –	– –

Prices are in Singapore Dollars and exclusive of GST.
Due to the volatile nature of certain products, prices are subject to change without notice.

C = CYAN M = Magenta Y = Yellow B = Black/SING

Farnell Page 1591 Date: 22-08-06 time:03:44

Mftr.	Pins/Package	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
-15V									
TOSH	3 / TO-220NIS	◆1A, ISO TAB	TA79015S	**318-6659**	1.36	1.07	0.98	– –	– –
TOSH	3 / TO-220NIS	◆1A, ISO TAB	TA79015S(Q)	**121-8133**●	1.59	1.25	1.15	– –	– –
ON	3 / TO-220	1A	MC7915CTG	**121-1136**●	1.30	0.81	0.68	0.55	– –
ST	3 / TO-220	1.5A	L7915CV	**975-6264**●	1.53	1.10	0.88	0.64	– –
NSC	3 / TO-220	1.5A	LM7915CT	**949-0450**●	2.94	2.05	1.46	– –	– –
NSC	2 / TO-3	1A	LM320K-15	**414-001**▲	18.71	13.60	10.19	– –	– –
-18V									
ON	3 / TO-220	◆1A	MC7918CTG	**966-6281**●	1.13	0.90	0.62	0.46	– –
SAM	3 / TO-220	1A, 4% o/p Tol.	KA7918TU.	**345-8283**▲‡	1.05	0.75	0.60	– –	– –
ST	3 / TO-220	1.5A, 4% o/p Tol.	L7918CV.	**414-025**▲	1.53	1.10	0.88	0.64	– –
ST	3 / TO-220	1.5A	L7918CV	**109-4235**●	1.53	1.10	0.88	0.64	– –
-24V									
ON	3 / TO-220	◆1A	MC7924CTG	**966-6290**●	1.22	0.93	0.64	0.43	– –
ST	3 / TO-220	1.5A	L7924CV	**975-6272**●	1.53	1.10	0.88	0.64	– –

(**)=Thermally Protected, LDO=Low Drop Out, S=With Shutdown, N=ERROR Output, R=Response Bypass, L=Load Sense Input

229028

	Mftr.	Pins/Pkg	Features	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	250+	+
Special Function										
Adjust.	TI	8/DIL	µP power supply supervisor	TL7702ACP..	**414-098**	1.83	1.46	1.14	0.79	– –
Adjust.	TI	8/DIL	µP power supply supervisor	TL7702ACP	**110-3042**●	1.09	0.79	0.59	0.40	– –
±5V	TI	8/SOIC	µP power supply supervisor	TL7705ACD	SMD **595-044**	2.21	1.77	1.39	0.96	– –
±5V	TI	8/SOIC	µP power supply supervisor	TL7705ACD	SMD **595-044**	2.21	1.77	1.39	0.96	– –
±5V	TI	8/SOIC	µP power supply supervisor	TL7705ACDG4	SMD **113-5964**●	1.09	0.79	0.59	0.40	– –
±5V	TI	8/DIL	µP power supply supervisor	TL7705ACP..	**414-116**	2.21	1.77	1.39	0.96	– –
±5V	TI	8/DIL	µP power supply supervisor	TL7705ACP	**110-3043**●	1.09	0.79	0.59	0.40	– –
±5V	ST	8/DIL	µP power supply supervisor	TL7705ACP/A	**120-2828**●	2.24	1.72	1.48	1.16	– –
±5V	TI	16/DIL	Dual µP power supply supervisor	TL7770-5CN	**414-130**	4.20	3.22	2.37	2.05	– –
±5V	TI	16/DIL	Dual µP power supply supervisor	TL7770-5CNE4	**121-4406**●	4.20	3.22	2.37	2.05	– –

XC6206 Series Voltage Regulators

TOREX SEMICONDUCTOR LTD





The XC6206 series are highly precise, low power consumption, high voltage, positive voltage regulators manufactured using CMOS and laser trimming technologies. The series provides large currents with a significantly small dropout voltage.The XC6206 consists of a current limiter circuit, a driver transistor, a precision reference voltage and an error correction circuit.

NEW

Features:

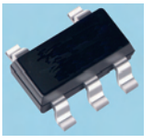
- CMOS Low Power Consumption: 1.0 µA (Typ.)
- High Accuracy: ±2%
- Built-in Current Limiter Circuit
- Low ESR Ceramic Capacitor Compatible

386498

	Pins/package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
6206	3/SOT-23	1.8V Low ESR Cap Compatible LDO Regulator	XC6206P182MR	SMD **879-6920**●	1.30	1.14	0.91
6206	3/SOT-89	1.8V Low ESR Cap Compatible LDO Regulator	XC6206P182PR	SMD **879-6939**●	1.30	1.14	0.93
6206	3/SOT-23	2.5V Low ESR Cap Compatible LDO Regulator	XC6206P252MR	SMD **879-6947**●	1.30	1.14	0.91
6206	3/SOT-89	2.5V Low ESR Cap Compatible LDO Regulator	XC6206P252PR	SMD **879-6955**●	1.30	1.14	0.91
6206	3/SOT-23	3.0V Low ESR Cap Compatible LDO Regulator	XC6206P302MR	SMD **879-6963**●	1.30	1.14	0.91
6206	3/SOT-89	3.0V Low ESR Cap Compatible LDO Regulator	XC6206P302PR	SMD **879-6971**●	1.30	1.14	0.93
6206	3/SOT-23	3.3V Low ESR Cap Compatible LDO Regulator	XC6206P332MR	SMD **879-6980**●	1.30	1.14	0.91
6206	3/SOT-89	3.3V Low ESR Cap Compatible LDO Regulator	XC6206P332PR	SMD **879-6998**●	1.30	1.14	0.91
6206	3/SOT-23	5.0V Low ESR Cap Compatible LDO Regulator	XC6206P502MR	SMD **879-7005**●	1.30	1.14	0.93
6206	3/SOT-89	5.0V Low ESR Cap Compatible LDO Regulator	XC6206P502PR	SMD **879-7013**●	1.43	1.24	1.02

XC6219 Series High Speed Voltage Regulators

TOREX SEMICONDUCTOR LTD



The XC6219 series are highly accurate, low noise, CMOS LDOVoltage Regulators. Offering low output noise, high ripple rejectionratio, low dropout and very fast turn-on times, the XC6219 seriesis ideal for today's cutting edge appliances e.g. mobile phone, Cameras, Portable games e.t.c.Internally the XC6219 includes a reference voltage source, erroramplifiers, driver transistors, current limiters and phasecompensators. The XC6219's current limiters' foldback circuit alsooperates as a short protect for the output current limiter and theoutput pin.

NEW

Features:

- CMOS Low Power Consumption: 25µA (Typ.)
- High Accuracy: ±2%
- Built-in Current Limiter Circuit
- Low ESR Ceramic Capacitor Compatible
- High Ripple Rejection: 65dB (10kHz)

386502

	Pins/package	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+
6219	5/SOT-23	1.8V High Speed, Low Noise LDO Regulator	XC6219B182MR	SMD **879-7021**●	1.43	1.24	1.01
6219	5/SOT-23	2.5V High Speed, Low Noise LDO Regulator	XC6219B252MR	SMD **879-7030**●	1.43	1.24	1.02
6219	5/SOT-23	2.8V High Speed, Low Noise LDO Regulator	XC6219B282MR	SMD **879-7048**●	1.43	1.24	1.01
6219	5/SOT-23	3.0V High Speed, Low Noise LDO Regulator	XC6219B302MR	SMD **879-7056**●	1.43	1.24	1.02
6219	5/SOT-23	3.3V High Speed, Low Noise LDO Regulator	XC6219B332MR	SMD **879-7064**●	1.43	1.24	1.01
6219	5/SOT-23	5.0V High Speed, Low Noise LDO Regulator	XC6219B502MR	SMD **879-7072**●	1.43	1.24	1.01

● Compliant ▲ Non-compliant ‡ Limited stock - RoHS replacement available

RoHS

C = CYAN M = Magenta Y = Yellow B = Black/SING

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SP62xx, SPX15xx & SPX29xxx LDO Regulators

Sipex

A range of Low Drop Out Fixed and Adjustable Regulators from Sipex. They are designed to operate with low Quiescent current and have a Precision of 1 or 2%.

NEW

405986

	Pins/Package	Description	Mftrs. List No.	Order Code	Price Each 1+	25+	100+	+	+
+1.5V									
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-1-5	SMD 938-8125	1.66	1.33	1.04	– –	– –
+1.8V									
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-1-8	SMD 938-8133	1.66	1.33	1.04	– –	– –
+2.5V									
1580	5/TO-263	7A Ultra Dropout Voltage Regulator, 2%	SPX1580T5-L-2-5	SMD 938-8478	4.37	3.50	2.72	– –	– –
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-2-5	SMD 938-8141	1.66	1.33	1.04	– –	– –
6203	5/SOT-23	Low Noise, 300mA CMOS LDO Regulator	SP6203EM5-L-2-5	SMD 938-8222	4.58	3.66	2.85	– –	– –
6203	8/DFN	Low Noise, 300mA CMOS LDO Regulator	SP6203ER-L-2-5	SMD 938-8265	4.58	3.66	2.85	– –	– –
6205	5/SOT-23	Low Noise, 500mA CMOS LDO Regulator	SP6205EM5-L-2-5	SMD 938-8303	4.58	3.66	2.85	– –	– –
6205	8/DFN	Low Noise, 500mA CMOS LDO Regulator	SP6205ER-L-2-5	SMD 938-8354	4.58	3.66	2.85	– –	– –
6213	5/SC70	Micropower 100mA CMOS LDO Regulator	SP6213EC5-L-2-5	SMD 938-8419	1.66	1.33	1.04	– –	– –
+2.7V									
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-2-7	SMD 938-8150	1.66	1.33	1.04	– –	– –
6205	5/SOT-23	Low Noise, 500mA CMOS LDO Regulator	SP6205EM5-L-2-7	SMD 938-8311	4.58	3.66	2.85	– –	– –
6205	8/DFN	Low Noise, 500mA CMOS LDO Regulator	SP6205ER-L-2-7	SMD 938-8362	4.58	3.66	2.85	– –	– –
+2.85V									
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-2-85	SMD 938-8168	1.66	1.33	1.04	– –	– –
6205	8/DFN	Low Noise, 500mA CMOS LDO Regulator	SP6205EM-L-2-85	SMD 938-8290	4.58	3.66	2.85	– –	– –
6205	8/DFN	Low Noise, 500mA CMOS LDO Regulator	SP6205ER-L-2-85	SMD 938-8370	4.58	3.66	2.85	– –	– –
6213	5/SC70	Micropower 100mA CMOS LDO Regulator	SP6213EC5-L-2-85	SMD 938-8427	1.66	1.33	1.04	– –	– –
+3.0V									
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-3-0	SMD 938-8176	1.66	1.33	1.04	– –	– –
6205	5/SOT-23	Low Noise, 500mA CMOS LDO Regulator	SP6205EM5-L-3-0	SMD 938-8320	4.58	3.66	2.85	– –	– –
6205	8/DFN	Low Noise, 500mA CMOS LDO Regulator	SP6205ER-L-3-0	SMD 938-8389	4.58	3.66	2.85	– –	– –
+3.3V									
1580	5/TO-263	7A Ultra Dropout Voltage Regulator, 2%	SPX1580T5-L-3-3	SMD 938-8486	4.37	3.50	2.72	– –	– –
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-3-3	SMD 938-8184	1.66	1.33	1.04	– –	– –
6201	8/DFN	Micropower 200mA CMOS LDO Regulator	SP6201ER-L-3-3	SMD 938-8214	4.58	3.66	2.85	– –	– –
6203	5/SOT-23	Low Noise, 300mA CMOS LDO Regulator	SP6203EM5-L-3-3	SMD 938-8230	4.58	3.66	2.85	– –	– –
6205	5/SOT-23	Low Noise, 500mA CMOS LDO Regulator	SP6205EM5-L-3-3	SMD 938-8338	4.58	3.66	2.85	– –	– –
6205	8/DFN	Low Noise, 500mA CMOS LDO Regulator	SP6205ER-L-3-3	SMD 938-8397	4.58	3.66	2.85	– –	– –
6213	5/SC70	Micropower 100mA CMOS LDO Regulator	SP6213EC5-L-3-3	SMD 938-8435	1.66	1.33	1.04	– –	– –
6231	6/MLP	500mA, 3.3V Linear Regulator with Auxiliary Backup	SP6231ER-L-3-3	SMD 938-8451	5.62	4.50	3.50	– –	– –
6203	8/DFN	Low Noise, 300mA CMOS LDO Regulator	SP6203ER-L-3-3	SMD 938-8273	4.58	3.66	2.85	– –	– –
+5.0V									
2975	5/TO-263	400mA Low Dropout Voltage Regulator, 2.0%	SPX2975T5-L-5-0	SMD 938-8494	7.08	5.66	4.40	– –	– –
2975	5/TO-220	400mA Low Dropout Voltage Regulator, 2.0%	SPX2975U5-L-5-0	938-8508	7.08	5.66	4.40	– –	– –
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-5-0	SMD 938-8192	1.66	1.33	1.04	– –	– –
6213	5/SC70	Micropower 100mA CMOS LDO Regulator	SP6213EC5-L-5-0	SMD 938-8443	1.66	1.33	1.04	– –	– –
Adjustable									
1580	5/TO-263	7A Ultra Dropout Voltage Regulator, 2%	SPX1580T5-L	SMD 938-9210	4.79	3.83	2.98	– –	– –
1580	5/TO-220	7A Ultra Dropout Voltage Regulator, 2%	SPX1580U5-L	938-9202	4.37	3.50	2.72	– –	– –
1584	3/TO-220	8A Low Dropout Voltage Regulator, 1%	SPX1584AU-L	938-9199	3.95	3.16	2.46	– –	– –
1585	3/TO-263	5A Low Dropout Voltage Regulator, 1%	SPX1585AT-L	SMD 938-9180	3.54	2.83	2.20	– –	– –
1585	3/TO-220	5A Low Dropout Voltage Regulator, 1%	SPX1585AU-L	938-9172	3.54	2.83	2.20	– –	– –
1587	3/TO-263	3A Low Dropout Voltage Regulator, 1%	SPX1587AT-L	SMD 938-9164	3.54	2.83	2.20	– –	– –
6201	5/SOT-23	Micropower 200mA CMOS LDO Regulator	SP6201EM5-L-ADJ	SMD 938-8206	1.66	1.33	1.04	– –	– –
6203	5/SOT-23	Low Noise, 300mA CMOS LDO Regulator	SP6203EM5-L-ADJ	SMD 938-8257	4.58	3.66	2.85	– –	– –
6203	8/DFN	Low Noise, 300mA CMOS LDO Regulator	SP6203ER-L-ADJ	SMD 938-8281	4.58	3.66	2.85	– –	– –
6205	5/SOT-23	Low Noise, 500mA CMOS LDO Regulator	SP6205EM5-L-ADJ	SMD 938-8346	4.58	3.66	2.85	– –	– –
6205	8/DFN	Low Noise, 500mA CMOS LDO Regulator	SP6205ER-L-ADJ	SMD 938-8400	4.58	3.66	2.85	– –	– –
29302	5/TO-220	3A High Current, Low Dropout Voltage Regulator, 1%	SPX29302AU5-L	938-8958	7.70	6.16	4.79	– –	– –
29302	5/TO-263	3A High Current, Low Dropout Voltage Regulator, 1%	SPX29302T5-L	SMD 938-8940	7.70	6.16	4.79	– –	– –

Semiconductor's - Manufacturers' Data

245454

Manufacturer	Format	Description	Order Code	Price Each
International Rectifier	CD-ROM	Product specifications, datasheets, design tips and application notes, shortform catalogue and selection guides	329-8590	17.85
Microchip	CD-ROM	Datasheets, application notes and general articles on 8-bit MCU family and peripheral components	329-8693	9.73
Semikron	CD-ROM	Contains datasheets and presents the whole power electronics product range	310-6469	29.73
ST Microelectronics	CD-ROM	Data library on device types ranging from diodes, transistors and FETs, memories, microcontrollers and complex logic ICs. Also contained are datasheets, shortform, application notes and information on company.	596-899	4.20
Honeywell	Databook	Infrared Products - covers emitting diodes, photodiodes, photo-transistors, optoschmitt detector sensors, encoders, reflective and transmissive sensors - 1995	655-934	7.44
Epcos	Databook	EMC Filters Databook - contains index of types, selector guide, datasheets, application notes, fundamentals of EMC and definitions	410-0086	18.96
International Rectifier	Databook	IGBT Designers Guide - application notes, design tips and datasheet - 1998	183-180	11.85
International Rectifier	Databook	Power MOSFET Designer'sGuide - includes datasheets, application notes, reliability data and selection guides - 1998	445-952	14.85
International Rectifier	Databook	Power MOSFET Application Notes - application notes covering MOSFETs - 1993	445-964	10.50
NSC	Databook	Interface data and application notes on general purpose line drivers/receivers and special devices - 1999	296-272	14.73
Semikron	Databook	Guide including thyristors, diodes, rectifiers, varistors and heatsinks - 1999	310-6445	49.05
Sensor	Databook	Pressure sensor, transducer and transmitter data, application notes and support tools - 1999	171-054	23.85
Zetex	Databook	Discrete Components Linear ICs - a collection of applications and design notes covering new and mature parts - 1996	884-479	11.85

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Due to the volatile nature of certain products, prices are subject to change without notice.

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