

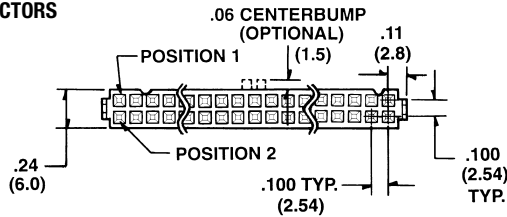
FLAT/FLEX RIBBON CABLE CONNECTORS

PAK-50 P25E SERIES 0.050" IDC SOCKETS (CONT.)

Mfg. Part No.	Contacts	Dimensions			Stock No.	Price Each	
		A	B	C		1-9	10-24
● P25E-020-S-EA	20	1.096"	0.702"	0.450"	96K2145	17.09	15.98
● P25E-026-S-EA	26	1.246"	0.852"	0.600"	96K2146	17.87	16.70
● P25E-030S-EA	30	1.346"	0.952"	0.700"	96K2147	18.43	17.23
● P25E-034-S-EA	34	1.446"	1.052"	0.800"	96K2148	18.92	17.69
● P25E-040S-EA	40	1.596"	1.202"	0.950"	96K2149	19.56	18.29
● P25E-050-S-EA	50	1.846"	1.452"	1.200"	96K2150	21.47	20.07
● P25E-060-S-EA	60	2.096"	1.702"	1.450"	96K2151	22.03	20.60
● P25E-068S-EA	68	2.596"	2.202"	1.950"	96K2152	22.95	21.45
● P25E-080-S-EA	80	2.596"	2.202"	1.950"	96K2153	24.36	22.77
● P25E-100-S-EA	100	3.096"	2.702"	2.450"	96K2154	26.34	24.62

(8779)

PAK100 0.100" x 0.100" WIREMOUNT IDC SOCKET CONNECTORS



- Standard 0.100 x 0.100" Grid Pattern
- Current Rating: 1 A
- Withstanding Voltage: 1000 V_{rms}
- Accommodate 26 and 28 AWG Solid and Stranded Wire
- Reliable IDC Termination
- Mate with 3M 2500, 3000 and 4600 series 0.100" x 0.100" headers/plugs

Pre-assembled to reduce assembly cost. Double-recessed cover grooved for alignment. UL recognized, CSA certified.

IDC CONNECTORS WITH CENTERBUMP

Mfg. Part No.	Contacts	Length (In.)	Stock No.	Price Each			
				1-9	10-24	25-49	50-99
● 89110-0101	10	0.68	92F1483	0.97	0.90	0.85	0.81
● 89114-0101	14	0.88	92F1484	1.00	0.93	0.88	0.83
● 89116-0101	16	0.98	92F1485	1.03	0.96	0.91	0.86
● 89120-0101	20	1.18	92F1486	1.12	1.05	0.99	0.94
● 89124-0101	24	1.38	18C3903	1.25	1.16	1.10	1.04
● 89126-0101	26	1.48	92F1487	1.28	1.19	1.12	1.07
● 89130-0101	30	1.68	29C5745	1.40	1.31	1.23	1.17
● 89134-0101	34	1.88	92F1488	1.43	1.34	1.26	1.20
● 89136-0101	36	1.98	21K3928	1.84	1.72	1.61	1.53
● 89140-0101	40	2.18	92F1489	1.93	1.80	1.70	1.61
● 89144-0101	44	2.38	82H1063	1.96	1.83	1.72	1.64
● 89150-0101	50	2.68	92F1490	2.09	1.95	1.83	1.74
● 89160-0101	60	3.18	92F1491	2.15	2.01	1.89	1.79

IDC SOCKET CONNECTORS WITHOUT CENTERBUMP

● 89110-0001	10	0.68	91C4369	0.97	0.90	0.85	0.81
● 89114-0001	14	0.88	91C4371	1.00	0.93	0.88	0.83
● 89116-0001	16	0.98	66H6823	1.03	0.96	0.91	0.86
● 89120-0001	20	1.18	50H7127	1.12	1.05	0.99	0.94
● 89124-0001	24	1.38	78H4104	1.25	1.16	1.10	1.04
● 89126-0001	26	1.48	91C4375	1.28	1.19	1.12	1.07
● 89130-0001	30	1.68	78H4105	1.40	1.31	1.23	1.17
● 89134-0001	34	1.88	78H4106	1.43	1.34	1.26	1.20
● 89136-0001	36	1.98	21K3926	1.84	1.72	1.61	1.53
● 89140-0001	40	2.18	94C1701	1.93	1.80	1.70	1.61
● 89144-0001	44	2.38	21K3934	1.96	1.83	1.72	1.64
● 89150-0001	50	2.68	78H4107	2.09	1.95	1.83	1.74
● 89160-0001	60	3.18	78H4108	2.15	2.01	1.89	1.79

STRAIN RELIEF FOR 891 SERIES IDC SOCKETS

Mfg. Part No.	Contacts	Stock No.	Price Each			
			1-9	10-24	25-49	50-99
● 3448-89110	10	92F1492	0.25	0.24	0.22	0.21
● 3448-89114	14	92F1493	0.25	0.24	0.22	0.21
● 3448-89116	16	92F1494	0.25	0.24	0.22	0.21
● 3448-89120	20	92F1495	0.25	0.24	0.22	0.21
● 3448-89124	24	45H3001	0.25	0.24	0.22	0.21
● 3448-89126	26	92F1496	0.25	0.24	0.22	0.21
● 3448-89130	30	92C2788	0.19	0.18	0.17	0.16
● 3448-89134	34	69K1042	0.25	0.24	0.22	0.21
● 3448-89140	40	92F1498	0.25	0.24	0.22	0.21
● 3448-89150	50	92F1499	0.25	0.24	0.22	0.21
● 3448-89160	60	92F1500	0.25	0.24	0.22	0.21

➔ CONTINUED ➔

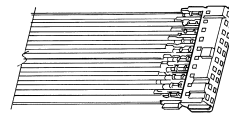
PAK100 0.100" x 0.100" WIREMOUNT IDC SOCKET CONNECTORS (CONT.)

PULL TABS FOR IDC SOCKETS

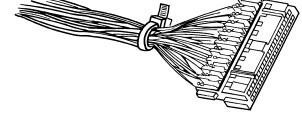
Mfg. Part No.	Contacts	Length (In.)	Stock No.	Price Each			
				1-9	10-24	25-49	50-99
● 3490-89140	40-60		92F1504	0.35	0.32	0.30	0.29
● 3490-89110	10-20		92F1502	0.22	0.21	0.20	0.19

(8449)

0.100" x 0.100" POLARIZED WIRE MOUNT SOCKETS



CHG2010



CHG2016

- 2-Row Socket with Polarized Body
- Mate with 3M Brand Headers and Plugs
- Twin IDC Slots

- Accommodate Discrete Wire or Notched Flat Cable
- Compatible with Military Polarized Body

Wire options: 22 AWG stranded and 24 AWG (KEP version); additional version for 26 AWG and 28 AWG (KCP version). Order CHG series pistol-grip activator tool separately on this page. Color: gray. UL 94V-0 rated.

WIREMOUNT SOCKET WITH CENTERBUMP—22-24 AWG

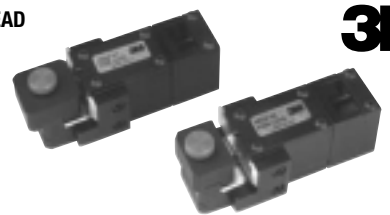
Mfr. Part No.	Contacts	Stock No.	Price Each	
			1-9	
● CHG2010J01010KEP	10	48F3035	3.44	
● CHG-2014-J01010-KEP	14	34H3366	4.81	
● CHG2016J01010KEP	16	48F3036	4.46	
● CHG2020J01010KEP	20	48F3037	5.14	
● CHG-2024-J01010-KEP	24	01C8123	6.18	
● CHG2026J01010KEP	26	18C3845	6.70	
● CHG-2030-J01010-KEP	30	65H8478	6.43	
● CHG2034J01010KEP	34	48F3038	7.30	
● CHG2040J01010KEP	40	48F3040	7.72	
● CHG2050J01010KEP	50	18C3846	8.57	
● CHG-2060-J01010-KEP	60	70C5501	10.30	
● CHG-2064-J01010-KEP	64	70C5500	10.99	

WIREMOUNT SOCKET WITH CENTERBUMP—26-28 AWG

● CHG-2010-J01010-KCP	10	65H6820	3.44
● CHG-2014-J01010-KCP	14	67H3203	4.81
● CHG-2016-J01010-KCP	16	81H2553	4.46
● CHG-2020-J01010-KCP	20	96B1674	5.14
● CHG2026J01010KCP	26	18C3843	6.70
● CHG-2030-J01010-KCP	30	08J5083	6.43
● CHG-2034-J01010-KCP	34	93K7040	7.30
● CHG-2040-J01010-KCP	40	20K7860	7.72
● CHG-2050-J01010-KCP	50	03H2869	8.57
● CHG-2060-J01010-KCP	60	20K7866	10.30

(40672)

TYPE CHG ASSEMBLY HEAD

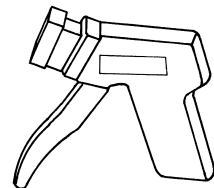


Use to assemble discrete wire to type CHG wire mount sockets; ordered separately on this page.

Mfg. Part No.	Stock No.	Price Each
3624-42	98F9330	756.25

(68344)

CHG SERIES PISTOL-GRIP ACTIVATOR



- Activator for CHG Series Assembly Heads
- Used to Assemble Discrete Wire to 3M Brand CHG Series Connectors

Hand-held activator is used with prototype and low-volume discrete wire terminations. Handy portable tool is a rugged, lightweight device especially suited for prototype and field repair applications. Accommodates assembly heads for CHG series body styles.

Mfg. Part No.	Stock No.	Price Each
3586-12	98F5872	106.25

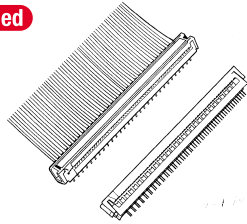
(33377)

FLAT/FLEX RIBBON CABLE CONNECTORS

PAK 100 7800 SERIES 0.100" x 0.100" 2-ROW PC BOARD CONNECTORS



Just Added



- Fits standard 0.100" x 0.100" header pin layout
- Uses less board area than 4-row design
- 7.3mm terminated height for applications requiring low profile off the board
- Accommodates 28AWG solid and stranded cable
- Current rating: 1A
- Temperature rating: -55°C to +105°C
- Color: Gray

SOLDER TAIL LENGTH: 2.8 mm

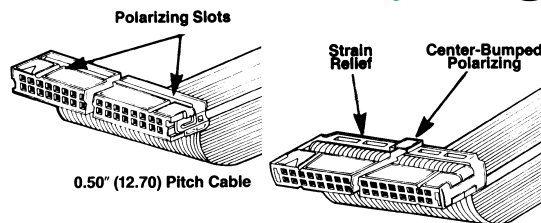
Mfg. Part No.	Contacts	Length (mm)	Stock No.	Price Each	
				1-24	10-24
7810-0000PR	10	17.4	84K8125	2.34	
7814-0000PR	14	22.5	18M8267	2.64	
7816-0000PR	16	25.0	18M8269	2.70	
7820-0000PR	20	30.1	10M8281	1.98	
7826-0000PR	26	37.7	18M8272	3.30	
7830-0000PR	30	42.8	18M8274	3.58	
7834-0000PR	34	47.9	18M8276	3.39	
7840-0000PR	40	55.5	18M8278	4.24	
7850-0000PR	50	68.2	18M8280	4.95	
7860-0000PR	60	80.9	18M8282	5.42	
7864-0000PR	64	86.0	18M8284	6.38	

SOLDER TAIL LENGTH: 3.8 mm

7810-0006PR	10	17.4	18M8266	2.34	
7814-0006PR	14	22.5	18M8268	2.64	
7816-0006PR	16	25.0	18M8270	2.70	
7820-0006PR	20	30.1	18M8271	1.98	
7826-0006PR	26	37.7	18M8273	3.30	
7830-0006PR	30	42.8	18M8275	3.58	
7834-0006PR	34	47.9	18M8277	3.39	
7840-0006PR	40	55.5	18M8279	4.24	
7850-0006PR	50	68.2	18M8281	4.95	
7860-0006PR	60	80.9	18M8283	5.42	
7864-0006PR	64	86.0	18M8285	6.38	

(89681)

PAK 100 3000 SERIES WIRE MOUNT SOCKET CONNECTORS



0.100" x 0.100" (2.54 x 2.54) industry standard IDC polarizing socket connectors are available center-bumped or standard, in sizes 10 to 60 contacts, with open or closed end covers. Both standard socket and center-bumped socket connectors can be used with mating 3M headers and plug connectors. Accommodates flat cable or discrete wires. Wire accommodation: 26 AWG solid or stranded, 28 AWG solid or stranded; order separately on page 1050. UL recognized, file E68080; CSA certified. Order clip-on strain reliefs separately below.

POLARIZING SLOTS (OPEN END)

Mfg. Part No.	Contacts	Stock No.	Price Each	
			1-9	10-24
3473-6000	10	46F8392	2.00	1.92
3385-6000	14	87F3897	2.42	2.32
3452-6000	16	46F8354	2.65	2.54
3421-6000	20	46F8438	2.92	2.80
3626-6000	24	87F3890	3.50	3.36
3399-6000	26	46F8318	3.77	3.62
3419-6000	30	87F3898	4.33	4.16
3414-6000	34	46F8439	4.91	4.72
9436-6000	36	82H1167	5.41	5.20
3417-6000	40	46F8440	5.77	5.54
9444-6000	44	82H1169	6.62	6.36
3425-6000	50	90F8811	7.20	6.92
3334-6000	60	87F3899	8.93	8.58

CENTER-BUMPED POLARIZING (OPEN END)

3473-6600	10	46F4655	2.00	1.92
3385-6600	14	46F4656	2.42	2.32
3452-6600	16	46F4657	2.65	2.54
3421-6600	20	46F4658	2.92	2.80

▶ CONTINUED ▶

PAK 100 3000 SERIES WIRE MOUNT SOCKET CONNECTORS (CONT.)

CENTER-BUMPED POLARIZING (OPEN END)

Mfg. Part No.	Contacts	Stock No.	Price Each	
			1-9	10-24
3626-6600	24	87F3891	3.50	3.36
3399-6600	26	46F4659	3.77	3.62
3419-6600	30	46F4660	4.33	4.16
3414-6600	34	46F4661	4.91	4.72
9436-6600	36	25C0273	5.41	5.20
3417-6600	40	46F4662	5.77	5.54
9444-6600	44	82H1170	6.62	6.36
3425-6600	50	46F4663	7.20	6.92
3334-6600	60	46F4664	8.93	8.58

POLARIZING SLOTS (CLOSED END)

3473-7000	10	46F8305	2.13	2.04
3385-7000	14	90F1459	2.67	2.56
3452-7000	16	90F1461	2.79	2.68
3421-7000	20	90F1463	3.06	2.94
3626-7000	24	90F1454	3.66	3.52
3399-7000	26	46F8368	3.98	3.82
3414-7000	34	90F1464	5.12	4.92
9436-7000	36	82H1168	5.68	5.46
3417-7000	40	90F1466	6.02	5.78
9444-7000	44	21K4666	6.91	6.64
3425-7000	50	46F8395	7.49	7.20
3334-7000	60	90F1469	9.26	8.90

CENTER-BUMPED POLARIZING (CLOSED END)

3473-7600	10	90F1476	2.13	2.04
3385-7600	14	90F1460	2.67	2.56
3452-7600	16	90F1462	2.79	2.68
3421-7600	20	90F1453	3.06	2.94
3626-7600	24	90F1455	3.66	3.52
3399-7600	26	90F1456	3.98	3.82
3419-7600	30	90F1458	4.56	4.38
3414-7600	34	90F1465	5.12	4.92
9436-7600	36	21K4663	5.68	5.46
3417-7600	40	90F1467	6.02	5.78
9444-7600	44	21K4667	6.91	6.64
3425-7600	50	90F1468	7.49	7.20
3334-7600	60	90F1470	9.26	8.90

CLIP-ON STRAIN RELIEFS FOR IDC SOCKETS

3448-3010	10	46F4665	0.25	0.24
3448-3014	14	46F4666	0.25	0.24
3448-3016	16	46F4667	0.25	0.24
3448-3020	20	46F4668	0.25	0.24
3448-3024	24	87F3892	0.25	0.24
3448-3026	26	46F4669	0.25	0.24
3448-3030	30	46F4670	0.25	0.24
3448-3034	34	46F4671	0.25	0.24
3448-3040	40	46F4672	0.25	0.24
3448-3050	50	46F4673	0.25	0.24
3448-3060	60	46F4674	0.25	0.24

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	10-24
3535-0	Keying Plug	19M9168	0.09	0.08

PULL TABS

Mfg. Part No.	Length (in.)	Stock No.	Price Each	
			1-24	25-49
3490-1.	0.50	94F1487	0.31	0.28
3490-2	1.00	46F8378	0.38	0.34
3490-3	1.50	46F8408	0.30	0.28
3490-4	2.00	19M8489	0.57	0.52
3490-6	3.25	46F8366	0.57	0.54

(8508)

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(94656)

FLAT/FLEX RIBBON CABLE CONNECTORS

929 SERIES BOARD MOUNT SOCKETS

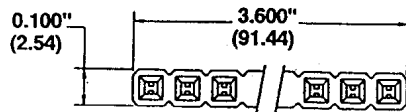


Fig. 1

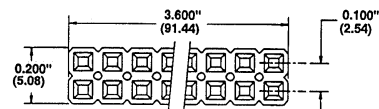


Fig. 2

- 0.100" Spacing Between All Contacts
- Single- and Dual-Row
- Tin-Lead Plating or Gold Plating Over Nickel
- Black Polybutylene Terephthalate (PBT) Insulation
- Flammability Rated UL94V-0
- Current Rating: 1A
- Withstanding Voltage: 1500Vrms
- Temperature Range: -40°C to +105°C

Mate with standard 0.025" round or square post headers. UL recognized.

TIN-LEAD PLATED

0.100" STRAIGHT SOLDER TAIL — SINGLE ROW, 36 CONTACTS

Mfr. Part No.	Fig.	Dimensions		Stock No.	Price Each
		A	B		1-9
● 929974-01-36-RK	1	0.325"	0.030"	18M8296	2.01

0.100" STRAIGHT SOLDER TAIL — DUAL ROW, 2 x 36 CONTACTS

929975-01-36	2	0.325"	0.030"	50B190	3.48
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GOLD PLATED

0.100" STRAIGHT SOLDER TAIL — SINGLE ROW, 36 CONTACTS

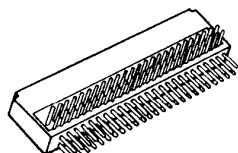
● 929850-01-36-10	1	0.325"	0.030"	46F4434	2.59
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0.100" STRAIGHT SOLDER TAIL — DUAL ROW, 2 x 36 CONTACTS

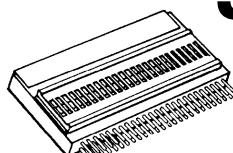
● 929852-01-36-10	2	0.325"	0.030"	46F4437	4.95
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(8399)

INTRACONNECTORS AND INTRASWITCHES



Intraconnector



Intraswitch

Intraconnectors mate 0.1 x 0.1" (2.54 x 2.54) dual-row connectors or 0.025" (0.635) square PC pins to test ribbon cable systems. Intraswitches allow opening/closing of individual lines at interconnect points.

INTRACONNECTORS

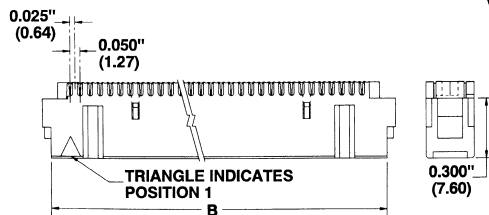
Mfg. Part No.	Contacts	Stock No.	Price Each
			1-9
922576-20-I	20	65F198	16.02
922576-26-I	26	65F199	16.69
922576-34-I	34	65F200	18.62
922576-40-I	40	65F201	20.42
922576-50-I	50	65F202	22.09

INTRASWITCHES

922578-40-I	40	65F206	50.10
922578-50-I	50	65F207	44.66

(8351)

PAK50 0.050" x 0.100" TRIPOLARIZED WIRE MOUNT SOCKETS FOR 0.025" (0.635) PITCH CABLE



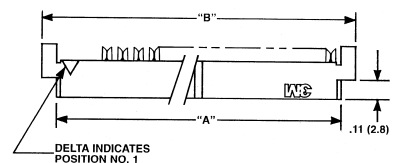
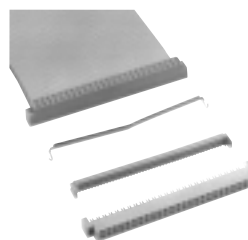
- Rugged Tripolarized Mating System
- 0.050 x 0.100" Grid Pattern
- Terminates to 0.025" Spaced Flat Cable
- Insert Molded Copper-Alloy Contacts
- Metal Cover Latch for Long-Term Reliability

Mate with tripolarized, latch/ejector headers, ordered separately; go online or call. Order mating 0.025" spaced flat cable separately on page 1052.

Mfg. Part No.	Contacts	Overall Length	Dim. B	Stock No.	Price Each
					1-9
● 82020-6006RB	20	0.755"	0.670"	93K7054	5.13
● 82026-6006RB	26	0.905"	0.820"	93K7055	6.02
● 82036-6006RB	36	1.155"	1.070"	93K7056	7.44
● 82040-6006RB	40	1.255"	1.170"	93K7057	8.03
● 82050-6006RB	50	1.505"	1.420"	93K7058	9.46
● 82060-6006RB	60	1.755"	1.670"	93K7059	10.88
● 82068-6006RB	68	1.955"	1.870"	93K7060	12.04
● 82080-6006RB	80	2.255"	2.170"	93K7061	13.78
● 82100-6006RB	100	2.755"	2.670"	93K7062	16.66

(8388)

PAK20 2mm WIREMOUNT SOCKETS



- 2 mm x 2 mm Grid Spacing
- Accommodate 1mm Centerline 28 AWG Stranded Cable
- Low Profile
- Pre-assembled Covers

Copper alloy contacts. Current rating: 1 A. Insulation resistance: $> 1 \times 10^9 \Omega$ at 500 VDC. Withstanding voltage: 1000 V_{DC} at sea level. Temperature range: -55°C to +105°C. Mate with 2 mm pin strip headers; order separately on pages 652-653. Strain relief available; go online or call.

Mfg. Part No.	Contacts	Dim. A	Dim. B	Stock No.	Price Each	
					1-9	10-24
● 152210-0100-GB	10	0.45" (11.4)	0.59" (15.0)	24C6857	3.14	2.80
● 152212-0100-GB	12	0.53" (13.4)	0.67" (17.0)	31C9512	3.19	2.83
● 152220-0100-GB	20	0.84" (21.3)	0.99" (25.1)	31C9513	4.01	3.69
● 152226-0100-GB	26	1.08" (27.4)	1.22" (31.0)	31C9514	4.83	4.45
● 152240-0100-GB	40	1.63" (41.4)	1.77" (45.0)	92C1417	4.37	3.89
● 152244-0100-GB	44	1.79" (45.5)	1.93" (49.0)	97B3527	7.56	6.46
● 152250-0100-GB	50	2.03" (51.3)	2.17" (55.0)	31C9515	4.58	4.07

(68570)

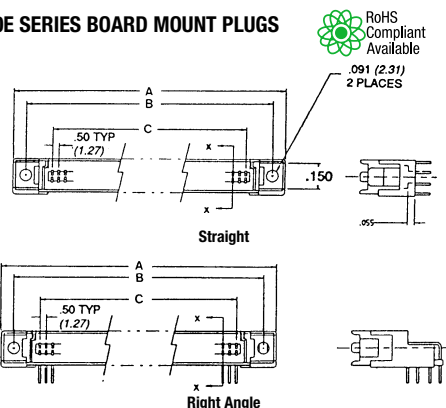
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(94660)

FLAT/FLEX RIBBON CABLE CONNECTORS

PAK-50 P50E SERIES BOARD MOUNT PLUGS



- Latch/Ejector Mechanism for Mating and Unmating
- Straight or Right-Angle Termination
- Ribbon Contact Design
- Contacts Protected on 3 Sides
- Phosphor Bronze Contacts

Mate to P25E series IDC sockets, ordered separately on pages 671-672. Contact resistance: 30 mΩ. Current rating: 0.5 A. Black, glass-filled nylon body, rated UL 94V-0. Temperature range: -55°C to +105°C.

STRAIGHT SOLDER MOUNT — 0.118" (3.0 mm)

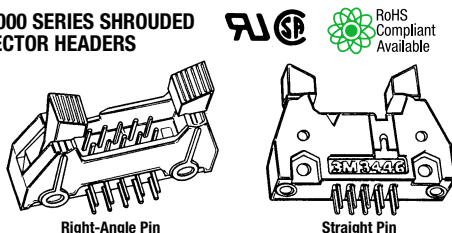
Mfg. Part No.	Contacts	Dimensions			Stock No.	Price Each	
		A	B	C		1-9	10-24
● P50E-020P1-S1-EA	20	1.096"	0.702"	0.607"	96K2156	3.17	2.89
● P50E-026P1-S1-EA	26	1.246"	0.852"	0.757"	96K2158	3.50	3.20
● P50E-030P1-S1-EA	30	1.346"	0.952"	0.857"	96K2160	3.71	3.39
● P50E-034P1-S1-EA	34	1.446"	1.052"	0.957"	96K2162	3.96	3.61
● P50E-040P1-S1-EA	40	1.596"	1.400"	0.950"	96K2164	4.29	3.92
● P50E-050P1-S1-EA	50	1.846"	1.452"	1.357"	93K6326	4.91	4.49
● P50E-060P1-S1-EA	60	2.096"	1.702"	1.607"	96K2167	5.50	5.02
● P50E-068P1-S1-EA	68	2.296"	1.902"	1.807"	96K2169	5.91	5.40
● P50E-080P1-S1-EA	80	2.596"	2.400"	1.950"	96K2171	6.62	6.05
● P50E-100P1-S1-EA	100	3.096"	2.900"	2.450"	96K2173	7.70	7.03

RIGHT ANGLE SOLDER MOUNT — 0.118" (3.0 mm)

Mfg. Part No.	Contacts	Dimensions			Stock No.	Price Each	
		A	B	C		1-9	10-24
● P50E-020P1-SR1-EA	20	1.096"	0.702"	0.607"	96K2155	4.08	3.73
● P50E-026P1-SR1-EA	26	1.246"	0.852"	0.757"	96K2157	4.58	4.18
● P50E-030P1-SR1-EA	30	1.346"	0.952"	0.857"	96K2159	4.79	4.37
● P50E-034P1-SR1-EA	34	1.446"	1.052"	0.957"	96K2161	5.04	4.60
● P50E-040P1-SR1-EA	40	1.596"	1.400"	0.950"	96K2163	5.25	4.79
● P50E-050P1-SR1-EA	50	1.846"	1.452"	1.357"	96K2165	5.58	5.10
● P50E-060P1-SR1-EA	60	2.096"	1.702"	1.607"	96K2166	6.20	5.67
● P50E-068P1-SR1-EA	68	2.296"	1.902"	1.807"	96K2168	6.66	6.08
● P50E-080P1-SR1-EA	80	2.596"	2.400"	1.950"	96K2170	7.33	6.69
● P50E-100P1-SR1-EA	100	3.096"	2.900"	2.450"	96K2172	8.57	7.83

(8776)

PAK 100 3000 SERIES SHROUDED LATCH/EJECTOR HEADERS



0.100 x 0.100" (2.54 x 2.54) 4-wall, shrouded housing to protect against pin damage. 0.025" (0.635) square solder pins plated with 30µ" gold are 0.112" (2.84) long to fit 0.062" (1.57) board. UL recognized, CSA certified. Order ejector latches and polarization keys separately below.

SHROUDED LATCH/EJECTOR HEADERS WITH RIGHT-ANGLE PINS

Mfg. Part No.	Contacts	Stock No.	Price Each	
			1-9	10-24
3793-5002	10	66F3411	1.21	1.16
● 3314-5002	14	46F4676	1.67	1.59
3408-5002	16	46F4677	1.93	1.84
3428-5002	20	46F4678	2.38	2.27
● N3627-5002RB	24	69K7223	2.83	2.70
3429-5002	26	46F4679	3.09	2.95
3440-5002	30	46F4680	3.33	3.07
● 3431-5002	34	46F4681	3.22	3.07
● 3432-5002	40	46F4682	3.81	3.63
● 3433-5002	50	46F4683	4.76	4.54
● N3372-5002RB	60	69K7215	5.64	5.38
3764-5002	64	92B3822	6.05	5.77

➤ CONTINUED ➤

PAK 100 3000 SERIES SHROUDED LATCH/EJECTOR HEADERS (CONT.)

LONG ROLL SHROUDED LATCH/EJECTOR HEADERS WITH STRAIGHT PINS

Mfg. Part No.	Contacts	Stock No.	Price Each	
			1-9	10-24
● N3793-6302RB	10	79K2364	1.69	1.56

SHORT ROLL SHROUDED LATCH/EJECTOR HEADERS WITH STRAIGHT PINS				
Mfg. Part No.	Contacts	Stock No.	Price Each	
			1-9	10-24
● N3793-6002RB	10	79K2362	1.21	1.16
● N3314-6002RB	14	69K7214	1.67	1.59
● N3408-6002RB	16	69K7217	1.90	1.82
● N3428-6002RB	20	69K7218	2.36	2.25
● N3627-6002RB	24	69K7224	2.83	2.70
● N3429-6002RB	26	69K7219	3.05	2.91
● N3440-6002RB	30	19M1401	2.83	2.70
● N3431-6002RB	34	69K7220	3.16	3.01
● N3432-6002RB	40	69K7221	3.76	3.59
● N3433-6002RB	50	69K7222	4.69	4.47
● N3372-6002RB	60	69K7216	5.64	5.38
3764-6002	64	94F8898	5.94	5.67

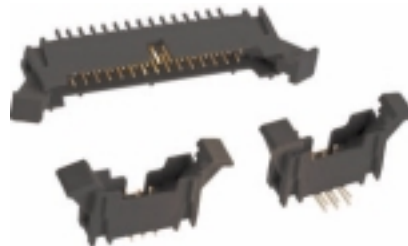
ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	10-24
● N3505-30	Ejector Latch, Use Without Strain Relief	20K9799	0.13	0.13
● N3505-31	Ejector Latch, Use With Strain Relief	28H8658	0.16	0.15
● 3505-33 (1000 BX)	Snap-in Latch, Nylon, Gray	21K2792	0.16	0.14
● 3201-3	Polarizing Post, Black PBT, Low-Temp Plastic	19M9167	0.24	0.23
● 3201-4 (1000 BX)	Polarizing Post, Beige PCT, High-Temp Plastic	21K1456	0.24	0.23
● 3518	Polarizing Key, Gray PBT, Low-Temp Plastic	46F8391	0.13	0.13

(8509)

1522 SERIES 2mm LATCH/EJECTOR HEADERS

Just Added



- Thirteen pin counts ranging from 6 to 50 positions
- Latch/eject mechanism maintains a secure connection
- Roll pins retain latches to body in shipping and high vibration environments
- Ejector helps make removal of assemblies easy
- Latch design helps resist breakage during eject
- High temperature insulators suitable for "lead free" processing and meet JEDEC J-STD-020C
- Robust system solution when used with 3M™ IDC Wiremount Sockets or 3M™ Molded Cable Assemblies

RIGHT-ANGLE PCB THRU HOLE

Mfg. Part No.	Contacts	Latching	Pin Length (mm)	Stock No.	Price Each	
					1-9	10-24
● 155206-6202-RB	6	Molded on	2.84	31M8158	3.33	3.13
● 155206-6203-RB	6	Molded on	3.94	31M8159	3.33	3.13
● 155208-6202-RB	8	Molded on	2.84	31M8163	4.43	4.16
● 155208-6203-RB	8	Molded on	3.94	31M8164	4.43	4.16
● 155210-6202-RB	10	Molded on	2.84	31M8171	5.53	5.20
● 155210-6302-RB	10	Press on	2.84	31M8173	5.53	5.20
● 155210-6203-RB	10	Molded on	3.94	31M8172	5.53	5.20
● 155210-6303-RB	10	Press on	3.94	31M8174	5.53	5.20
● 155212-6302-RB	12	Press on	2.84	31M8178	4.65	4.38
● 155212-6303-RB	12	Press on	3.94	31M8179	4.65	4.38
● 155216-6202-RB	16	Molded on	2.84	31M8183	6.20	5.83
● 155216-6203-RB	16	Molded on	3.94	31M8184	6.20	5.83
● 155220-6202-RB	20	Molded on	2.84	31M8191	6.40	6.02
● 155220-6302-RB	20	Press on	2.84	31M8193	6.40	6.02
● 155220-6203-RB	20	Molded on	3.94	31M8192	6.40	6.02
● 155220-6303-RB	20	Press on	3.94	31M8194	6.40	6.02
● 155222-6202-RB	22	Molded on	2.84	31M8198	6.38	6.00
● 155222-6203-RB	22	Molded on	3.94	31M8199	6.38	6.00
● 155224-6202-RB	24	Molded on	2.84	31M8203	6.95	6.54
● 155224-6203-RB	24	Molded on	3.94	31M8204	6.95	6.54
● 155226-6202-RB	26	Molded on	2.84	31M8211	7.54	7.09
● 155226-6302-RB	26	Press on	2.84	31M8213	7.54	7.09
● 155226-6203-RB	26	Molded on	3.94	31M8212	7.54	7.09
● 155226-6303-RB	26	Press on	3.94	31M8214	7.54	7.09
● 155230-6202-RB	30	Molded on	2.84	31M8218	8.70	8.18

➤ CONTINUED ➤

FLAT/FLEX RIBBON CABLE CONNECTORS

1522 SERIES 2mm LATCH/EJECTOR HEADERS (CONT.)

Mfg. Part No.	Contacts	Latching	Pin Length (mm)	Stock No.	Price Each	
					1-9	10-24
● 155230-6203-RB	30	Molded on	3.94	31M8219	8.70	8.18
● 155240-6202-RB	40	Molded on	2.84	31M8226	11.60	10.91
● 155240-6302-RB	40	Press on	2.84	31M8228	11.60	10.91
● 155240-6203-RB	40	Molded on	3.94	31M8227	11.60	10.91
● 155240-6303-RB	40	Press on	3.94	31M8229	11.60	10.91
● 155244-6202-RB	44	Molded on	2.84	31M8236	12.75	11.99
● 155244-6302-RB	44	Press on	2.84	31M8238	12.75	11.99
● 155244-6203-RB	44	Molded on	3.94	31M8237	12.75	11.99
● 155244-6303-RB	44	Press on	3.94	31M8239	12.75	11.99
● 155250-6202-RB	50	Molded on	2.84	31M8246	14.50	13.63
● 155250-6302-RB	50	Press on	2.84	31M8248	14.50	13.63
● 155250-6203-RB	50	Molded on	3.94	31M8247	14.50	13.63
● 155250-6303-RB	50	Press on	3.94	31M8249	14.50	13.63

STRAIGHT PCB THRU HOLE

● 155206-5202-RB	6	Molded on	2.84	31M8156	3.65	3.44
● 155206-5203-RB	6	Molded on	3.94	31M8157	3.65	3.44
● 155208-5202-RB	8	Molded on	2.84	31M8161	4.85	4.56
● 155208-5203-RB	8	Molded on	3.94	31M8162	4.85	4.56
● 155210-5202-RB	10	Molded on	2.84	31M8167	6.08	5.71
● 155210-5302-RB	10	Press on	2.84	31M8169	6.08	5.71
● 155210-5203-RB	10	Molded on	3.94	31M8168	6.08	5.71
● 155210-5303-RB	10	Press on	3.94	31M8170	6.08	5.71
● 155212-5302-RB	12	Press on	2.84	31M8176	4.98	4.68
● 155212-5303-RB	12	Press on	3.94	31M8177	4.98	4.68
● 155216-5202-RB	16	Molded on	2.84	31M8181	6.65	6.26
● 155216-5203-RB	16	Molded on	3.94	31M8182	6.65	6.26
● 155220-5202-RB	20	Molded on	2.84	31M8187	7.05	6.63
● 155220-5302-RB	20	Press on	2.84	31M8189	7.05	6.63
● 155220-5203-RB	20	Molded on	3.94	31M8188	7.05	6.63
● 155220-5303-RB	20	Press on	3.94	31M8190	7.05	6.63
● 155222-5202-RB	22	Molded on	2.84	31M8196	7.05	6.63
● 155222-5203-RB	22	Molded on	3.94	31M8197	7.05	6.63
● 155224-5202-RB	24	Molded on	2.84	31M8201	7.68	7.22
● 155224-5203-RB	24	Molded on	3.94	31M8202	7.68	7.22
● 155226-5202-RB	26	Molded on	2.84	31M8207	8.33	7.83
● 155226-5302-RB	26	Press on	2.84	31M8209	8.33	7.83
● 155226-5203-RB	26	Molded on	3.94	31M8208	8.33	7.83
● 155226-5303-RB	26	Press on	3.94	31M8210	8.33	7.83
● 155230-5202-RB	30	Molded on	2.84	31M8216	9.60	9.03
● 155230-5203-RB	30	Molded on	3.94	31M8217	9.60	9.03
● 155240-5202-RB	40	Molded on	2.84	31M8222	12.80	12.04
● 155240-5302-RB	40	Press on	2.84	31M8224	12.80	12.04
● 155240-5203-RB	40	Molded on	3.94	31M8223	12.80	12.04
● 155240-5303-RB	40	Press on	3.94	31M8225	12.80	12.04
● 155244-5202-RB	44	Molded on	2.84	31M8232	14.08	13.23
● 155244-5302-RB	44	Press on	2.84	31M8234	14.08	13.23
● 155244-5203-RB	44	Molded on	3.94	31M8233	14.08	13.23
● 155244-5303-RB	44	Press on	3.94	31M8235	14.08	13.23
● 155250-5202-RB	50	Molded on	2.84	31M8242	16.00	15.04
● 155250-5302-RB	50	Press on	2.84	31M8244	16.00	15.04
● 155250-5203-RB	50	Molded on	3.94	31M8243	16.00	15.04
● 155250-5303-RB	50	Press on	3.94	31M8245	16.00	15.04

STRAIGHT PCB SURFACE MOUNT

Mfg. Part No.	Contacts	Latching	Stock No.	Price Each	
				1-9	10-24
● 155206-2200-RB	6	Molded on	31M8155	4.30	4.05
● 155208-2200-RB	8	Molded on	31M8160	5.75	5.41
● 155210-2200-RB	10	Molded on	31M8165	7.18	6.75
● 155210-2300-RB	10	Press on	31M8166	7.18	6.75
● 155212-2300-RB	12	Press on	31M8175	5.90	5.55
● 155216-2200-RB	16	Molded on	31M8180	7.88	7.41
● 155220-2200-RB	20	Molded on	31M8185	8.30	7.81
● 155220-2300-RB	20	Press on	31M8186	8.30	7.81
● 155222-2200-RB	22	Molded on	31M8195	8.30	7.81
● 155224-2200-RB	24	Molded on	31M8200	9.05	8.51
● 155226-2200-RB	26	Molded on	31M8205	9.83	9.24
● 155226-2300-RB	26	Press on	31M8206	9.83	9.24
● 155230-2200-RB	30	Molded on	31M8215	11.33	10.65
● 155240-2200-RB	40	Molded on	31M8220	15.10	14.20
● 155240-2300-RB	40	Press on	31M8221	15.10	14.20
● 155244-2200-RB	44	Molded on	31M8230	16.60	15.61
● 155244-2300-RB	44	Press on	31M8231	16.60	15.61

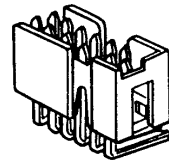
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1522 SERIES 2mm LATCH/EJECTOR HEADERS (CONT.)

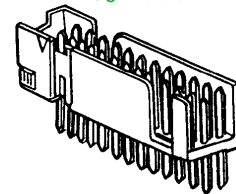
Mfg. Part No.	Contacts	Latching	Stock No.	Price Each	
				1-9	10-24
● 155250-2200-RB	50	Molded on	31M8240	18.88	17.75
● 155250-2300-RB	50	Press on	31M8241	18.88	17.75

(90405)

PAK 100 N2500 SERIES 0.100" x 0.100" LOW PROFILE BOX HEADERS



Right-Angle Pin



Straight Pin

Low-profile, space-saving 0.100" x 0.100" (2.54 x 2.54) headers feature 4-wall, shrouded housing, 0.025" (0.635) pins have 30μ" gold plating in wipe area and 99% tin-lead on the solder tails. Pins are 0.112" (2.84) long for 0.062" (1.57) board. High temperature plastic insulator for vapor phase reflow process. Glass-filled polyester (PCT). UL recognized, CSA certified.

RIGHT-ANGLE PIN

Mfg. Part No.	Contacts	Stock No.	Price Each	
			1-9	10-24
● N2510-5002RB	10	18M6807	1.63	1.45
● N2514-5002RB	14	19M5055	1.68	1.49
● N2516-5002RB	16	19M5057	1.88	1.67
● N2520-5002RB	20	19M5058	1.97	1.75
● N2524-5002RB	24	19M5059	2.06	1.83
● N2526-5002RB	26	19M5061	2.08	1.85
● N2530-5002RB	30	82K9519	2.81	2.50
● N2534-5002RB	34	19M5063	2.48	2.20
● N2540-5002RB	40	19M5065	2.68	2.38
● N2550-5002RB	50	19M5066	3.30	2.93
● N2560-5002RB	60	19M5068	3.97	3.53
● N2564-5002RB	64	18M6813	4.24	3.77

STRAIGHT PIN

● N2510-6002RB	10	18M6808	1.48	1.31
● N2514-6002RB	14	19M5056	1.52	1.35
● N2516-6002RB	16	18M6809	1.70	1.51
● N2520-6002RB	20	18M6810	1.77	1.57
● N2524-6002RB	24	19M5060	1.88	1.67
● N2526-6002RB	26	18M6811	1.90	1.69
● N2530-6002RB	30	19M5062	2.19	1.94
● N2534-6002RB	34	19M5064	2.28	2.02
● N2540-6002RB	40	18M6812	2.43	2.16
● N2550-6002RB	50	19M5067	3.01	2.68
● N2560-6002RB	60	19M5069	3.62	3.21
● N2564-6002RB	64	18M6814	3.84	3.41

ACCESSORIES

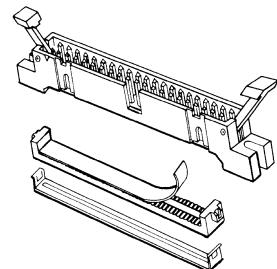
Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● 3505-33 (1000 BX)	Snap-in latch, gray, nylon	21K2792	0.16

(8510)

0.100" x 0.100" WIREMOUNT PLUG CONNECTORS



- Shrouded to Prevent Pin Damage
- Beryllium-Copper Contacts
- 30μ" Gold Plating



Color: gray. Accommodate 26 or 28 AWG solid or stranded flat cable or discrete wire, order separately; go online or call. Mates with wire mount sockets and IDC sockets, order separately; go online or call. Order ejector latches and polarization key separately below. UL recognized, CSA certified.

WITH SLOTTED MOUNTING FLANGES

Mfg. Part No.	Contacts	Stock No.	Price Each
			1-9
● 4610-6000	10	87F3990	2.96
● 4614-6000	14	87F3991	4.10
● 4616-6000	16	87F3992	4.64
● 4620-6000	20	87F194	5.41

➤ CONTINUED ➤

FLAT/FLEX RIBBON CABLE CONNECTORS

0.100 × 0.100" WIREMOUNT
PLUG CONNECTORS (CONT.)

Mfg. Part No.	Contacts	Stock No.	Price Each	
			1-9	25-99
● 4624-6000	24	87F3993	7.21	
● 4626-6000	26	87F3994	6.16	
● 4630-6000	30	87F3995	8.19	
● 4634-6000	34	87F3974	7.64	
● 4636-6000	36	87F3996	8.07	
● 4640-6000	40	87F3975	8.47	
● 4650-6000	50	87F3976	9.18	
● 4660-6000	60	87F3997	10.82	
● 4664-6000	64	87F3998	11.55	

WITHOUT MOUNTING FLANGES

● 4610-6001	10	87F3999	2.96	
● 4614-6001	14	87F4000	4.10	
● 4616-6001	16	87F4001	4.64	
● 4620-6001	20	87F4013	5.41	
● 4624-6001	24	87F4003	5.95	
● 4626-6001	26	87F4004	6.16	
● 4630-6001	30	87F4005	6.76	
● 4634-6001	34	87F192	7.64	
● 4636-6001	36	87F4006	8.07	
● 4640-6001	40	98F5902	10.26	
● 4650-6001	50	87F193	9.18	
● 4660-6001	60	87F3977	10.82	

STRAIN RELIEFS

● 3448-4610	10	46F8287	0.59	
● 3448-4614	14	87F4014	0.69	
● 3448-4616	16	87F4015	0.69	
● 3448-4620	20	87F4016	0.69	
● 3448-4624	24	87F4017	0.69	
● 3448-4626	26	87F4018	0.69	
● 3448-4630	30	87F4019	0.69	
● 3448-4634	34	87F4020	0.69	
● 3448-4636	36	78H4102	0.69	
● 3448-4640	40	87F4009	0.69	
● 3448-4650	50	87F4010	0.69	
● 3448-4660	60	87F4011	0.69	
● 3448-4664	64	87F4012	0.69	

POLARIZATION KEY

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	25-99
● 3518	Gray Glass-Filled Polyester Polarization Key	46F8391	0.13	

EJECTOR LATCHES

● 3505-16	Short, for Use on Socket without Strain Relief	90F1471	0.15	
● 3505-17	Long, for Use on Socket with Strain Relief	94F3335	0.17	

(8397)

FFC/FPC
CONNECTORS

Just Added



Tyco
Electronics

- 2.54mm (0.100) centerline
- Housing material: thermoplastic
- Housing flammability rating: UL 94V-0



FFC HOUSING RECEPTACLES

Mfg. Part No.	Positions	Width (inches)	Stock No.	Price Each	
				1-24	25-99
● 487378-2	3	.294	95F2325	2.04	1.71
● 487378-3	4	.394	66F3233	2.10	1.76
● 487378-4	5	.494	66F3238	2.14	1.80
● 487378-7	8	.794	66F1629	2.29	1.92
● 487378-9	10	.994	66F1628	2.41	2.02
● 1-487378-1	12	1.194	33B3413	1.57	1.31
● 1-487378-3	14	1.394	66F1632	2.65	2.22
● 1-487378-5	16	1.594	66F3243	3.24	2.71
● 1-487378-9	20	1.994	33B3418	3.96	3.32

▶ CONTINUED ▶

FFC/FPC CONNECTORS (CONT.)

FFC HOUSING RECEPTACLE WITH LATCH

Mfg. Part No.	Positions	Width (inches)	Stock No.	Price Each	
				1-24	25-99
● 487526-3	4	.394	13H5983	1.48	1.24

FFC DUAL ROW HOUSING PLUGS

● 3-88190-4	16	1.310	96B9988	27.22	22.78
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1MM FPC CONNECTORS

● 84953-4	4	.469	39M5447	2.20	1.84
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FFC CONTACTS

Mfg. Part No.	Pitch Spacing (inches)	Contact Plating	Stock No.	Price Each	
				1-24	25-99
● 2-487406-2	2.54	Gold(15)	42K6809	0.18	0.15
● 2-487406-3	2.54	Gold(30)	42K6810	0.19	0.16
● 1-487547-1	1.27	Gold(30)	42K6516	0.23	0.19
● 487923-4	1.27	Tin	42K6929	0.14	0.12

(93040)

AMP-LATCH UNIVERSAL INPUT/
OUTPUT PIN CONNECTORS

Tyco
Electronics

- 1.27 (.050) centerline ribbon cable
- Phosphor bronze contacts
- Gold (30) over nickel plating

Just Added

Mfg. Part No.	Positions	Width (inches)	Stock No.	Price Each	
				1-9	10-99
● 1-111446-4	10	1.072	79K3852	6.13	2.94
● 1-111446-5	14	1.272	80K0987	12.95	6.22
● 1-111446-6	16	1.372	88K1642	6.86	3.30
● 1-111446-8	20	1.572	39M5446	7.35	3.53

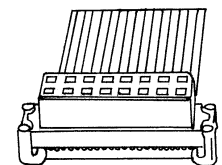
(93046)

AMP-LATCH® 2.0mm (0.079")
RIBBON CABLE RECEPTACLES

Tyco
Electronics

- Hard Metric 2.0 mm x 2.0 mm (0.079" x 0.079") Mating Grid
- Accepts 1.0 mm (0.039") Pitch Ribbon Cable
- Insulation Displacement (IDC) Contacts of Beryllium Copper
- Operating Temperature: -65°C to +105°C
- UL Recognized, CSA Certified

Feed-thru polarized and non-polarized receptacles. Beryllium copper contacts feature duplex gold-plating on mating end, tin-lead on termination end with all nickel underplating. Thermoplastic housing and termination cover, rated UL 94V-0.



RECEPTACLES WITH POLARIZATION

Mfg. Part No.	Positions	Overall Length	Stock No.	Price Each			
				1-24	25-99	100-499	500-999
● 1-111623-8	10	0.60"	37K7400	2.55	1.61	1.40	1.26
● 1-111623-9	14	0.76"	16M2619	2.81	1.78	1.55	1.39
● 2-111623-0	16	0.84"	16M2802	3.28	2.07	1.80	1.62
● 2-111623-7	24	1.16"	16M2807	5.02	3.17	2.76	2.48
● 2-111623-2	26	1.23"	16M2803	3.41	2.16	1.87	1.68
● 2-111623-3	30	1.39"	16M2804	3.47	2.19	1.90	1.71
● 2-111623-4	40	1.79"	16M2805	4.26	2.69	2.34	2.10
● 2-111623-5	44	1.95"	42K6781	4.26	2.69	2.34	2.10
● 2-111623-6	50	2.19"	16M2806	4.52	2.86	2.48	2.23

RECEPTACLES WITHOUT POLARIZATION

● 1-111626-7	10	0.41"	16M2620	3.13	1.98	1.72	1.54
● 1-111626-8	14	0.57"	87K2008	3.17	2.00	1.74	1.56
● 2-111626-5	16	0.65"	16M2809	3.30	2.09	1.81	1.63
● 1-111626-9	20	0.80"	16M2621	2.93	1.85	1.61	1.44
● 2-111626-1	40	1.59"	16M2279	4.26	2.69	2.34	2.10
● 2-111626-2	44	1.75"	42K6782	4.26	2.69	2.34	2.10
● 2-111626-3	50	1.98"	16M2808	4.52	2.86	2.48	2.23

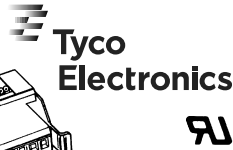
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Talk to our
team of
engineers.

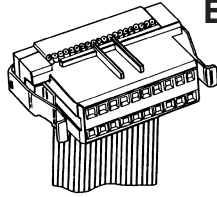
Chat live online with our
expert technical team or
connect to them by phone.
Go online or call us today.

(94668)

FLAT/FLEX RIBBON CABLE CONNECTORS

AMP-LATCH® SYSTEM 50
RIBBON CABLE-TO-BOARD
CONNECTORS

- Contact Mating Area Plating: Gold/
Nickel over Beryllium Copper
- Contact Termination Area Plating:
Tin-Lead
- Thermoplastic Housing,
Flammability Rated UL 94V-0



Double Row
Receptacle Connector

High-density connectors for ribbon cable connections to PC boards. 0.025" (0.635) centerline spacing. Stainless steel latches. UL recognized.

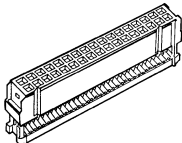
PADDLEBOARD CONNECTOR

Mfg. Part No.	Positions	Stock No.	Price Each			
			1-24	25-49	50-99	100-499
● 1-5111595-1	50	16M2661	11.46	10.14	9.07	8.04

RECEPTACLE CONNECTORS

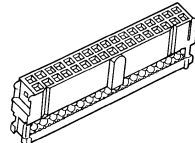
Mfg. Part No.	Positions	Stock No.	Price Each			
			1-24	25-49	50-99	100-499
● 2-111196-5	10	42K6778	3.76	3.33	2.98	2.64
● 1-111196-8	20	70J9536	6.01	5.31	4.75	4.21
● 2-111196-8	24	42K6779	6.94	6.14	5.49	4.86
● 2-111196-9	26	14M7987	10.60	9.38	8.39	7.43
● 2-111196-2	60	42K6776	15.72	13.90	12.46	11.02
● 1-111196-9	30	42K6482	8.25	7.30	6.53	5.79
● 2-111196-0	40	42K6774	9.99	8.84	7.90	7.00
● 2-111196-1	50	42K6775	12.01	10.63	9.50	8.42
● 1-5111595-1	50	16M2661	11.46	10.14	9.07	8.04
● 3-111196-3	80	42K8669	25.62	22.67	20.27	17.96
● 2-111196-4	100	42K6777	27.87	24.66	22.05	19.53

(8001)

AMP-LATCH®
NOVO
RECEPTACLES

Military-Polarized

- 0.100" x 0.100" Centers
- Accepts 0.050" Centerline Ribbon Cable
- Accept Wire Size Range 28-26 AWG, Solid or Stranded; go online or call



Center- and Military-Polarized

- Dual-Beam Phosphor Bronze Contacts
- Receptacle Consists of Housing and Cover
- Mate with 0.025" Square or Round Pins
- Current Rating: 1 A per Contact Max.

Preloaded insulation displacement contacts. Novo dual mating beam design offers higher forces: mating 12.0 oz. max./unmating 1.5 oz. min. Dual-beam phosphor bronze contacts are duplex-plated with 30µ" gold on mating end, tin-lead on termination end, with nickel underplate. Accept wire size range 28-26 AWG, solid or stranded; go online or call. Constructed of black, UL94V-0 rated thermoplastic. Black, UL94V-0 rated thermoplastic strain reliefs, ordered separately below. Available in military-polarized, or center- and military-polarized configurations.

MILITARY-POLARIZED RECEPTACLES

Mfg. Part No.	Positions	Width	Stock No.	Price Each			
				1-9	10-24	25-49	50-99
● 1658623-1	10	0.680"	73K6227	1.57	1.19	1.08	0.98
● 1658623-5	24	0.880"	16M2748	4.13	3.14	2.85	2.57
● 1658623-3	16	0.980"	73K6228	2.26	1.36	1.19	1.05
● 1658623-4	20	1.180"	73K6229	2.25	1.71	1.55	1.40
746290-5	24	1.380"	90F5184	4.54	3.46	3.14	2.83
● 1658623-6	26	1.480"	73K6230	2.54	1.94	1.76	1.58
● 1658623-7	30	1.680"	16M2749	3.76	2.87	2.60	2.34
● 1658623-8	34	1.880"	73K6231	3.23	2.46	2.23	2.01
● 1658623-9	40	2.180"	73K6232	3.81	2.90	2.63	2.37
● 1-1658623-0	50	2.680"	10M7304	4.59	3.50	3.17	2.86

CENTER- AND MILITARY-POLARIZED RECEPTACLES

Mfg. Part No.	Positions	Width	Stock No.	Price Each			
				1-9	10-24	25-49	50-99
● 1658622-1	10	0.680"	73K6219	1.57	1.19	1.08	0.98
● 1658622-2	14	0.880"	73K6220	2.05	1.56	1.42	1.28
● 1658622-3	16	0.980"	73K6221	2.15	1.64	1.49	1.34
● 1658622-4	20	1.180"	73K6222	1.44	1.31	1.21	1.11
● 1658622-5	24	1.380"	73K6223	2.54	1.94	1.76	1.58
● 1658622-6	26	1.480"	73K6224	1.80	1.63	1.47	1.35
● 1658622-7	30	1.680"	73K3939	3.23	2.46	2.23	2.01
● 1658622-8	34	1.880"	73K6225	2.07	1.88	1.72	1.58
● 1658622-9	40	2.180"	73K6226	3.81	2.90	2.63	2.37
● 1-1658622-0	50	2.680"	73K6207	2.93	2.66	2.44	2.26
● 1-1658622-1	60	3.180"	73K6208	7.27	5.54	5.02	4.53
● 1-1658622-2	64	3.380"	73K6209	6.25	4.76	4.32	3.89

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AMP-LATCH® NOVO RECEPTACLES (CONT.)

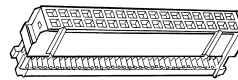
STRAIN RELIEFS

Mfg. Part No.	Positions	Width	Stock No.	Price Each			
				1-9	10-24	25-49	50-99
● 499252-5	10	0.680"	90F4184	0.27	0.25	0.23	0.21
● 499252-9	14	0.880"	90F4185	0.29	0.26	0.25	0.23
● 499252-8	16	0.980"	90F4186	0.28	0.26	0.25	0.23
● 499252-2	20	1.180"	90F4187	0.29	0.27	0.25	0.23
● 1-499252-0	24	1.380"	90F4188	0.39	0.30	0.27	0.24
● 499252-3	26	1.480"	90F4189	0.29	0.22	0.20	0.18
● 1-499252-2	30	1.680"	90F4190	0.27	0.23	0.20	0.19
● 499252-6	34	1.880"	90F4191	0.31	0.29	0.27	0.25
● 499252-1	40	2.180"	90F5292	0.28	0.27	0.25	0.23
● 499252-4	50	2.680"	90F5293	0.31	0.28	0.27	0.25
● 499252-7	60	3.180"	90F4177	0.48	0.43	0.41	0.38
● 1-499252-3	64	3.380"	90F4178	0.46	0.41	0.38	0.34

KEYING PLUG — SOLD IN PACKAGES OF 100

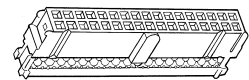
Mfg. Part No.	Description	Stock No.	Price per Pkg.			
			1-9	10-24	25-49	50-99
● 499712-1	Keying Plug	90F4183	19.72	15.01	13.61	12.27

(8166)

AMP-LATCH®
ECONOLATCH™
RECEPTACLES

Military-Polarized

- Accepts 0.050" (1.27) Centerline Ribbon Cable
- Phosphor Bronze Contacts
- Accept 28-26 AWG Wire, Solid or Stranded



Center- and Military-Polarized

- Receptacle Consists of Housing and Cover
- UL Recognized, CSA Certified

Preloaded insulation displacement contacts. Single-mating beam design provides a high, normal force without high-mating forces. Offers uniform latching of contacts and housing with cover. Phosphor bronze contacts are duplex plated with 15 µ" gold on mating end, tin-lead on termination end, with nickel underplate. Constructed of black, UL 94V-0 rated thermoplastic. The dual-recessed cover provides additional ribbon cable alignment during termination. Available in military-polarized or center- and military-polarized configurations. Uses same strain relief as Amp-Latch® novo receptacles; order separately on this page

MILITARY-POLARIZED RECEPTACLES

Mfg. Part No.	Positions	Width	Stock No.	Price Each			
				1-24	25-99	100-499	500-999
● 1658620-1	10	0.680"	73K6212	1.34	0.81	0.71	0.62
● 1658620-2	14	0.880"	03M5874	1.95	1.18	1.03	0.91
● 1658620-3	16	0.980"	36K3011	2.06	1.24	1.09	0.96
● 1658620-4	20	1.180"	16M2745	2.16	1.30	1.14	1.01
● 1658620-5	24	1.380"	73K6213	3.43	2.07	1.81	1.60
● 1658620-6	26	1.480"	73K6214	3.43	2.07	1.81	1.60
● 1658620-7	30	1.680"	73K6215	3.43	2.07	1.81	1.59
● 1658620-8	34	1.880"	70K7625	2.98	1.80	1.57	1.39
● 1658620-9	40	2.180"	36K3015	3.29	1.98	1.73	1.53
● 1-1658620-0	50	2.680"	73K6204	4.01	2.42	2.11	1.86
● 1-1658620-2	64	3.380"	73K6205	5.65	3.41	2.98	2.63

CENTER- AND MILITARY-POLARIZED RECEPTACLES

Mfg. Part No.	Positions	Width	Stock No.	Price Each			
				1-24	25-99	100-499	500-999
● 1658621-1	10	0.680"	73K0102	1.52	1.36	1.24	1.13
● 1658621-2	14	0.880"	73K6216	2.25	1.36	1.19	1.05
● 1658623-3	16	0.980"	73K6228	2.26	1.36	1.19	1.05
● 1658621-4	20	1.180"	88K1531	2.16	1.30	1.14	1.01
● 1658621-5	24	1.380"	16M2746	2.67	1.61	1.41	1.24
● 1658621-6	26	1.480"	73K6217	2.67	1.61	1.41	1.24
● 1658621-7	30	1.680"	16M2747	3.82	2.31	2.02	1.78
● 1658621-8	34	1.880"	73K6218	2.98	1.80	1.57	1.39
● 1658621-9	40	2.180"	73K3943	3.29	1.98	1.73	1.53
● 1-1658621-0	50	2.680"	73K3940	2.44	2.22	2.04	1.87
● 1-1658621-1	60	3.180"	10M5432	6.59	3.97	3.48	3.07
● 1-1658621-2	64	3.380"	73K6206	5.65	3.41	2.98	2.63

(13031)

Keep up with
environmental
laws.

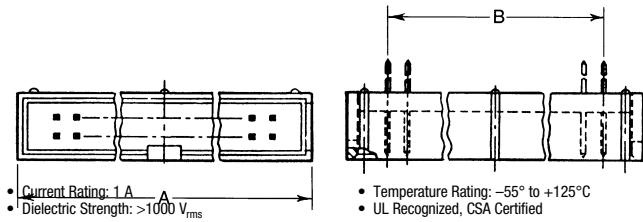
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(94635)

FLAT/FLEX RIBBON CABLE CONNECTORS

AMP-LATCH® LOW
PROFILE PC BOARD
BOX HEADERS

**Tyco
Electronics**



- Current Rating: 1 A
- Dielectric Strength: >1000 V_{rms}

- Temperature Rating: -55° to +125°C
- UL Recognized, CSA Certified

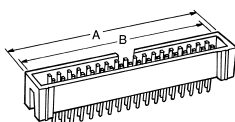
Mates with female socket transition connectors in PC board applications, which require repetitive connection/disconnection. Low profile design maximizes packaging density. Available with straight or right-angle solder tails for use with 0.062" (1.57 mm) thick PC boards. Fully shrouded to protect 0.102" (2.59 mm) long, 0.025" (0.635 mm) square mating pins and assure positive polarization. Center polarization slot mates with center polarization tab on female connectors. Blue glass-filled thermoplastic housing (UL 94V-0). Phosphor bronze contacts with 30 μ" gold over 50 μ" nickel in contact zone; tin-lead over nickel in termination area.

Mfg. Part No.	Positions	Plating	Width (in.)	Stock No.	Price Each
● 2-1761603-3	10	30μ" Gold	0.800	42K6787	2.20
● 2-1761603-5	14	30μ" Gold	1.000	42K6788	2.53
● 2-1761603-6	16	30μ" Gold	1.100	06M6904	2.70
● 2-1761603-7	20	30μ" Gold	1.300	42K6789	3.01
● 2-1761603-9	26	30μ" Gold	1.600	42K6790	3.48
● 3-1761603-1	34	30μ" Gold	2.000	42K8670	4.10
● 3-1761603-3	40	30μ" Gold	2.300	42K6864	4.58
● 3-1761603-5	50	30μ" Gold	2.800	42K6865	5.51
● 1761603-6	16	30μ" Gold	1.100	42K6729	2.69
● 1761603-7	20	30μ" Gold	1.300	42K6730	3.54
● 1761603-9	26	30μ" Gold	1.600	42K6731	4.17
● 1-1761603-1	34	30μ" Gold	2.000	42K6494	5.75
● 1-1761603-3	40	30μ" Gold	2.300	42K6495	4.58
● 1761605-3	10	30μ" Gold	0.800	42K6737	2.06
● 1761605-9	26	30μ" Gold	1.600	42K6741	5.66
● 1-1761605-5	50	30μ" Gold	2.800	42K6502	6.11
● 1-1761607-1	34	30μ" Gold	2.000	87K0903	4.63
● 1761607-3	10	30μ" Gold	0.800	74K4575	2.67
● 1761607-5	14	30μ" Gold	1.000	42K6747	3.01
● 1761607-7	20	30μ" Gold	1.300	42K6749	3.52
● 1761607-9	26	30μ" Gold	1.600	42K6750	3.96
● 1761608-3	10	30μ" Gold	0.800	42K6751	2.59
● 1761608-6	14	30μ" Gold	1.100	42K6753	3.04
● 1761608-9	26	30μ" Gold	1.600	42K8662	3.79

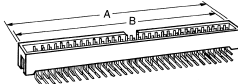
(8364)

HIGH-TEMPERATURE, LOW-
PROFILE IDC HEADERS

**Tyco
Electronics**



Straight Pin Header



Right-Angle Pin Header

- 0.100 × 0.100" Centers
- Current Rating: 1 A
- Insulation Resistance: >1 × 10⁹ Ohms @ Sea Level

- Dielectric Strength: >1000 V_{rms} @ Sea Level
- Temperature Rating: -55°C to +125°C
- UL Recognized, CSA Certified

636 series headers with either 0.102" (2.59) long pins for 0.062" (1.57) PC boards or 0.165" (4.19) long pins for 0.125" (3.18) PC boards. Insulation material: glass-filled high-temperature thermoplastic. Color: black. Flammability rating of UL94V-0. Infrared and vapor phase compatible. Contacts: brass with 15μ" (min.) gold over 50μ" (min.) nickel plating.

STRAIGHT PIN HEADERS — 0.102" (2.59) PINS

Mfg. Part No.	Positions	Dimensions		Stock No.	Price Each
		A	B		
● 1761681-3	10	0.800"	0.700"	60K7849	2.01
636-1427	14	1.000"	0.900"	52F6971	3.22
● 1761681-6	16	1.100"	1.000"	17M6432	3.52
636-2027	20	1.300"	1.200"	52F6975	2.69
636-2627	26	1.600"	1.500"	52F6977	3.44
636-3427	34	2.000"	1.900"	52F6979	4.46
● 1-1761681-3	40	2.300"	2.200"	60K7845	6.28
636-5027	50	2.800"	2.700"	52F6983	4.02

RIGHT-ANGLE PIN HEADERS — 0.102" (2.59) PINS

Mfg. Part No.	Positions	A	B	Stock No.	Price Each
● 1761682-3	10	0.800"	0.700"	60K7847	2.08
636-1607	16	1.100"	1.000"	52F6991	2.01
636-2007	20	1.300"	1.200"	52F6993	2.31

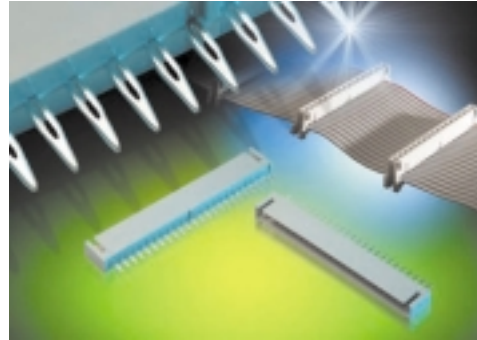
(8470)

8284 SERIES IDC
CONNECTORS

Just Added



AVX
ELCO CONNECTORS



0.100" pitch IDC for 0.100" round conductor flat cable. Body material: gray polyester rated UL94V0. Contact material: brass. Contact plating: tin. Current rating: 1.5A max. at 25°C, 1A max. at 70°C. Insulation resistance: 1000 MΩ. The header is a 1-piece insulator with press-fit termination. The socket is a 2-piece insulator with IDC contacts suitable for termination to 28/26 AWG stranded ribbon cable or dip solder terminations.

SINGLE-ROW HEADERS

Mfg. Part No.	No. of Positions	Tail Length (in.)	Stock No.	Price Each	
				1-4	5+
● 108284008000030	8	0.110	40M7663	2.12	2.03
● 108284008009030	8	0.209	40M7664	2.72	2.60
● 108284016000030	16	0.110	40M7665	2.92	2.80
● 108284016009030	16	0.209	40M7666	3.74	3.58
● 108284020000030	20	0.110	40M7667	3.58	3.42
● 108284020009030	20	0.209	40M7668	3.87	3.71

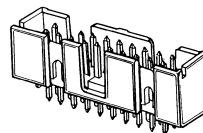
SINGLE-ROW IDC SOCKETS

Mfg. Part No.	No. of Positions	Tail Length (in.)	Stock No.	Price Each	
				1-4	5+
● 208284008000030	8	...	40M7673	5.41	5.18
● 208284016000030	16	...	40M7674	2.62	2.51
● 208284020000030	20	...	40M7675	2.98	2.85

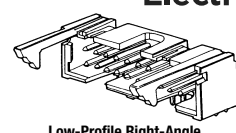
(91229)

STANDARD AND
LOW-PROFILE
SHROUDED HEADERS

**Tyco
Electronics**



Low-Profile Vertical

Low-Profile Right-Angle
with Ejection Latch

- 0.100" (2.54) Centers
- Square 0.025" (0.635) Drawn Wire Posts

- Vertical and Right-Angle Versions Available
- Single- and Double-Row Configurations

Flame-retardant, black thermoplastic housing, UL94V-0 rated. Copper alloy contacts with 30μ" or 15μ" gold plating on mating area, tin-lead on solder area, with entire post underplated with nickel.

STANDARD PROFILE — SINGLE-ROW, 0.100" CENTERS
VERTICAL MOUNT WITH STANDOFFS

Mfg. Part No.	Positions	Plating	Width (in.)	Stock No.	Price Each			
					1-24	25-49	50-99	100-999
● 5-103414-1	3	30μ" Gold	0.420	87K2239	1.02	0.88	0.79	0.70
● 8-102202-4	3	15μ" Gold	0.420	87K2249	1.03	0.89	0.80	0.71
● 5-103414-2	4	30μ" Gold	0.520	87K2240	1.71	1.49	1.33	1.18
● 5-102202-1	4	15μ" Gold	0.520	87K2237	1.55	1.35	1.21	1.07
● 5-103414-3	5	30μ" Gold	0.620	16M3115	2.23	1.93	1.74	1.54
● 5-102202-3	6	15μ" Gold	0.720	87K6550	2.12	1.84	1.65	1.46
● 5103308-1	10	15μ" Gold	0.800	74K2109	0.76	0.66	0.59	0.53
● 5103309-1	10	30μ" Gold	0.800	96K2804	0.64	0.56	0.50	0.45
● 5-103414-6	8	30μ" Gold	0.920	16M3116	2.59	2.25	2.02	1.79

STANDARD PROFILE — SINGLE-ROW, 0.100" CENTERS
RIGHT-ANGLE MOUNT WITH STANDOFFS

Mfg. Part No.	Positions	Plating	Width (in.)	Stock No.	1-24	25-49	50-99	100-999
● 5-103361-1	3	30μ" Gold	0.420	79K2824	1.60	1.39	1.25	1.10
● 3-102203-9	3	15μ" Gold	0.420	52K4322	1.51	1.31	1.17	1.04
● 5-103361-2	4	30μ" Gold	0.520	16M3114	1.94	1.68	1.51	1.34

STANDARD PROFILE — DOUBLE-ROW, 0.100 × 0.100" CENTERS
VERTICAL MOUNT, 0.066" END DIMENSION AND DETENT WINDOWS

Mfg. Part No.	Positions	Plating	Width (in.)	Stock No.	1-24	25-49	50-99	100-999
● 5-103168-1	6	30μ" Gold	0.412	16M3113	1.08	0.94	0.84	0.75
● 5-103168-3	10	30μ" Gold	0.612	87K2238	1.60	1.39	1.25	1.10

▶ CONTINUED ▶

FLAT/FLEX RIBBON CABLE CONNECTORS

STANDARD AND LOW-PROFILE SHROUDED HEADERS (CONT.)

STANDARD PROFILE – DOUBLE-ROW, 0.100" x 0.100" CENTERS
RIGHT-ANGLE MOUNT, 0.066" END DIMENSION AND DETENT WINDOWS

Mfg. Part No.	Positions	Plating	Width (in.)	Stock No.	Price Each			
					1-24	25-49	50-99	100-999
● 5-103166-1	6	30μ" Gold	0.412	16M3112	1.76	1.53	1.37	1.21
● 5103310-1	10	30μ" Gold	0.800	39M4087	0.72	0.63	0.56	0.50
● 5103311-1	10	30μ" Gold	0.800	39M4093	0.77	0.67	0.60	0.53

LOW-PROFILE – DOUBLE-ROW, 0.100" x 0.100" CENTERS
VERTICAL MOUNT WITH 0.150" END DIMENSION

● 1-5103309-0	50	30μ" Gold	2.800	16M2660	2.88	2.50	2.24	1.99
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(8180)

AMP-LATCH® DIP PLUGS

- Phosphor Bronze Contacts with Tin Plating
- Centerline, Matrix: 0.100" x 0.100" (2.54 mm x 2.54 mm)
- Thermoplastic Housing, Flammability Rated UL 94V-0

Wire-to-board DIP plugs mass terminate ribbon cable on 0.100" x 0.100" (2.54 mm x 2.54 mm) centers. Preassembled housing assembly with cover. Feature straight legs. UL recognized, CSA certified.



Mfg. Part No.	Positions	Stock No.	Price Each			
			1-9	10-499	500-999	1000-4999
● 746611-7	8	42K7907	3.37	1.60	1.41	1.26
● 2-746610-1	10	42K6837	1.76	0.84	0.73	0.66
● 2-746610-2	14	42K6838	1.97	0.94	0.82	0.73
● 1-746610-4	16	42K6572	2.27	1.08	0.95	0.84
● 5746613-3*	16	42K7423	1.89	0.90	0.79	0.71
● 1-746610-5	20	42K6573	2.62	1.24	1.09	0.97
● 1-746610-6	26	42K6574	3.15	1.50	1.31	1.17
● 1-746610-8	34	42K6575	3.62	1.72	1.51	1.35
● 1-746610-9	40	42K6576	4.25	2.02	1.77	1.58
● 2-746610-0	50	42K6836	4.96	2.36	2.07	1.85
● 746603-4	64	42K7906	30.54	14.50	12.72	11.34

* With cover
(8171)

AMP-LATCH® HAND TOOL KIT

Terminate AMP-LATCH® connectors up to 60 positions with contacts on 0.100" x 0.100" centers to flat ribbon cable sizes 30 AWG solid, 28 and 26 AWG solid or stranded, go online or call. Kit includes hand tool, bench mount clamp, locators for receptacles, card edge and HDF connectors, and storage case.

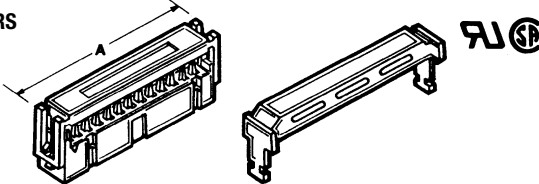
Mfg. Part No.	Stock No.	Price Each
768340-1	95F3003	1965.60

(8168)

812 SERIES 0.100 x 0.100" IDC SOCKET CONNECTORS



Amphenol Commercial Products



Meets MIL-C-83503/7B specifications. Compatible with 816 series headers; ordered separately on this page. 0.100 x 0.100" (2.54 x 2.54) contact spacing terminates to 0.050" (1.27) flat ribbon cable; order Amphenol Spectra-Strip® planar ribbon cable separately on page 1055. Center polarization and open-end covers for feed-thru and daisy-chain applications. 1A copper alloy contacts have 30μ" gold-over-nickel plate in contact area, tin on termination end. Glass-filled PBT gray insulation rated UL94V-0. Fit 26 AWG stranded, 28 AWG solid/stranded, 30 AWG solid wire. UL recognized, CSA certified. Order strain relief and polarizing key separately below.

Mfr. Part No.	Contacts	Dimension A	Stock No.	Price Each	
				1-24	25-49
● 842-812-1022-134	10	0.68" (17.3)	88K2197	1.50	1.37
● 842-812-1422-134	14	0.88" (22.4)	88K1485	1.71	1.56
● 842-812-1622-134	16	0.98" (24.9)	88K2198	1.78	1.62
● 842-812-2022-134	20	1.18" (30.0)	59K0539	1.94	1.77
● 842-812-2622-134	26	1.48" (37.6)	10M8505	2.24	2.04
● 842-812-3022-134	30	1.68" (42.7)	88K1486	2.07	1.89
● 842-812-3422-134	34	1.88" (47.8)	88K2199	2.58	2.36
● 842-812-4022-134	40	2.18" (55.4)	88K1487	2.97	2.71
● 842-812-5022-134	50	2.68" (68.1)	88K2200	3.48	3.18
● 842-812-6022-134	60	3.18" (80.8)	88K1488	3.39	3.09
● 842-812-6422-134	64	3.38" (85.9)	88K2201	4.51	4.12

▶ CONTINUED ▶

812 SERIES 0.100 x 0.100" IDC SOCKET CONNECTORS (CONT.)

STRAIN RELIEFS

Mfr Part No.	For No. of Positions	Stock No.	Price Each	
			1-24	25-49
● 842-800-1206-030	10	13C2743	0.28	0.26
● 842-800-1206-031	14	01H9308	0.26	0.23
● 842-800-1206-032	16	50F016	0.26	0.23
● 842-800-1206-033	20	46F2698	0.30	0.28
● 842-800-1206-034	26	46F2699	0.33	0.30
● 842-800-1206-040	30	50F017	0.28	0.26
● 842-800-1206-035	34	46F2700	0.33	0.30
● 842-800-1206-036	40	46F2701	0.28	0.26
● 842-800-1206-037	50	46F2702	0.28	0.26
● 842-800-1206-038	60	01H9309	0.40	0.36
● 842-800-1206-039	64	01H9310	0.40	0.36

ACCESSORY

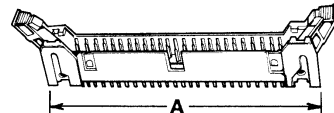
Mfr. Part No.	Description	Stock No.	Price Each
			1-9
● 842-800-1211-002	Polarizing Key	58K3377	0.12

(8193)

816 SERIES 0.100 x 0.100" 4-WALL LOCK/EJECTOR HEADERS



Amphenol Commercial Products



4-Wall Straight Header with Lock/Eject Latches

Headers for 0.062" (1.57) PC boards meet MIL-C-83503 specifications. Mate with IDC socket connectors; order separately on this page. 1A phosphor bronze contacts are 30μ" gold-over-nickel plated in contact area, tin solder plated on tails. Glass-filled PBT gray insulation, rated UL 94V-0. 0.100" x 0.100" (2.54 mm x 2.54 mm) contact spacing. Lock/eject latches, order separately below, reduce strain on cable and boards when removing mating connectors. UL recognized, CSA certified. Accommodates Amphenol Spectra-Strip® 0.050" (1.27 mm) planar ribbon cable; order separately on page 1055.

4-WALL RIGHT-ANGLE SOLDER TAILS

Mfg. Part No.	Contacts	Dimension A	Stock No.	Price Each	
				1-24	25-49
● 842-816-1032-035	10	1.26" (32.00)	88K2202	1.88	1.72
● 842-816-1432-035	14	1.46" (37.84)	02E8353	1.88	1.72
● 842-816-1632-035	16	1.56" (39.62)	88K1491	1.57	1.44
● 842-816-2032-035	20	1.76" (44.70)	93K7665	2.69	2.45
● 842-816-2632-035	26	2.06" (53.32)	01F528	3.19	2.91
● 842-816-3432-035	34	2.46" (62.48)	88K1494	2.66	2.43
● 842-816-4032-035	40	2.76" (70.10)	88K2206	2.77	2.53
● 842-816-5032-035	50	3.26" (82.80)	88K1495	5.58	5.10
● 842-816-6432-035	64	3.96" (100.58)	88K2209	6.87	6.27

4-WALL STRAIGHT SOLDER TAILS

● 8428161030035	10	1.26" (32.00)	88K1496	1.84	1.68
● 842-816-1430-035	14	1.46" (37.84)	88K1489	2.21	2.01
● 842-816-1630-035	16	1.56" (39.62)	88K1490	2.34	2.13
● 842-816-2030-035	20	1.76" (44.70)	88K2203	2.93	2.67
● 842-816-2630-035	26	2.06" (53.32)	88K1492	3.17	2.89
● 842-816-4030-035	40	2.76" (70.10)	88K2205	4.49	4.10
● 842-816-3430-035	34	2.46" (62.48)	88K1493	3.95	3.61
● 842-816-4030-035	40	2.76" (70.10)	46F2696	2.69	2.45
● 842-816-5030-035	50	3.26" (82.80)	88K2207	5.41	4.94
● 842-816-6430-035	64	3.96" (100.58)	88K2208	6.70	6.11

LOCK/EJECT LATCHES

Type	Description	Size	Stock No.	1-24	25-49
842-800-1607-006	Long	0.575" (14.61)	46F2724	0.31	0.28
842-800-1607-005	Short	0.425" (10.80)	46F2726	0.31	0.28

(8194)

Find application notes—fast.

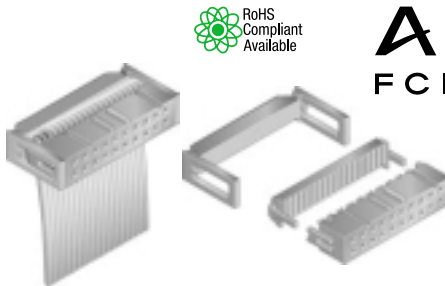
Visit our information-rich portal designed for engineers & techs at www.newark.com/edworld

(94645)

FLAT/FLEX RIBBON CABLE CONNECTORS

0.100" (2.54mm) IDC RECEPTACLES

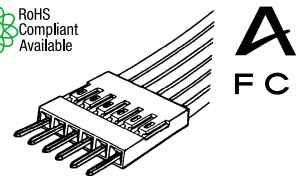
Standard strain relief IDC receptacles feature phosphor-bronze contacts plated with 30 µ" gold over nickel. Single-piece design for low-applied cost. Hertz Dot increases contact integrity. Gray thermoplastic housing, flammability rated UL 94V-0. Current rating: 1 A continuous. Insulation resistance: 50,000 MΩ min. Contact resistance: 15 mΩ max. Dielectric withstanding voltage: 1000 V min. Durability: 100 mating cycles.



0.100" (2.54mm) MALE CRIMP-TO-WIRE PINS



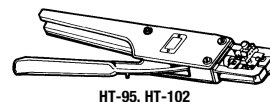
0.025" square male crimp-to-wire pins are designed for use with Mini-Latch housings; *order separately on this page*. 0.100" (2.54) spacing. Current rating: 3A continuous. For 18-32 AWG wire range. Mate with Mini-PV™ receptacles; *order separately*, go online or call. UL recognized.



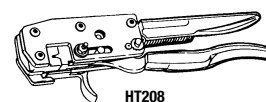
Mfg. Part No.	AWG	Finish	Stock No.	Price Each	
				1-99	1-99
● 48117-000	18-20	Gold	52F9250	0.77	
75654-003*	18-20	Tin-Lead	52F9251	0.18	
● 75654-002LF*	22-26	Tin-Lead	62K7991	0.69	
● 75654-001LF*	28-32	Tin-Lead	06M2102	0.35	

*Not UL recognized (8421)

HAND TOOLS



HT-95, HT-102



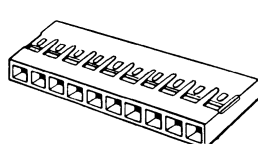
HT208

Lightweight, rugged hand tools have ratchet-action handle that provides complete crimp cycle. For application on crimp-to-wire PV receptacles and pins.

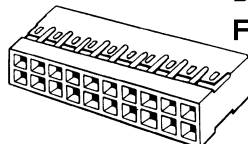
Mfg. Part No.	Description	Stock No.	Price Each
HT-95	Mini-PV™, 22-32 AWG	89F4985	923.24
HT-102	Male Pin Contacts, 18-20 AWG	89F4978	643.33

(8422)

0.100" (2.54mm) SINGLE AND DOUBLE ROW MINI-LATCH HOUSINGS



65039 Series Single Row



65043 Series Double Row

Discrete crimp-to-wire housings on 0.100" (2.54) centers. Stackable end-to-end and side-to-side. Accept Mini-PV™ receptacles, range 22-36 AWG and crimp-to-wire male pins 22-32 AWG, *ordered separately*, go online or call. Modified polyphenylene oxide, rated UL94V-1. *Order mfg. part no. 65307-001 polarization plug separately below*. UL recognized, CSA certified.

65039 SERIES SINGLE ROW, 0.100" (2.54 mm) CENTERS

Mfg. Part No.	Position	Width	Stock No.	Price Each	
				1-99	50-99
● 65039-035	2	0.200" (5.08)	89F4598	0.43	
● 65039-034	3	0.300" (7.62)	89F4597	0.49	
● 65039-033	4	0.400" (10.16)	89F4596	0.52	
● 65039-032	5	0.500" (12.70)	89F4595	0.61	
● 65039-031	6	0.600" (15.24)	89F4594	0.70	
● 65039-030	7	0.700" (17.78)	89F4593	0.70	
● 65039-029	8	0.800" (20.32)	89F4592	1.03	
● 65039-027	10	1.000" (25.40)	89F4591	0.89	
● 65039-005	32	3.200" (81.28)	99F8621	2.38	
● 65039-001	36	3.600" (91.44)	66F737	1.71	

65043 SERIES DOUBLE ROW, 0.100" (2.54 mm) CENTERS

Mfg. Part No.	Position	Width	Stock No.	Price Each	
				1-99	50-99
● 65043-035	4	0.200" (5.08)	89F4606	0.73	
● 65043-034	6	0.300" (7.62)	89F4605	0.70	
● 65043-033	8	0.400" (10.16)	89F4604	0.86	
● 65043-032	10	0.500" (12.70)	89F4603	1.19	
● 65043-031	12	0.600" (15.24)	89F4602	0.80	
● 65043-030LF	14	0.700" (17.78)	84K6255	1.76	
● 65043-029	16	0.800" (20.32)	89F4600	1.13	
● 65043-027	20	1.000" (25.40)	89F4599	1.18	
● 65043-024	26	1.300" (33.02)	66F740	2.50	
● 65043-020	34	1.700" (43.18)	94F6563	2.41	
● 65043-017	40	2.000" (50.80)	94F6050	2.80	
● 65043-012LF	50	2.500" (63.50)	75K3041	3.13	
● 65043-005	64	3.200" (81.28)	94F6560	3.99	
● 65043-001	72	3.600" (91.44)	66F738	3.00	

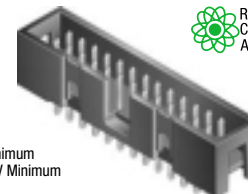
POLARIZATION PLUG

For use with Mini-Latch housings. White nylon, rated UL 94V-0. UL recognized. **Sold in strips of 10 breakaway plugs.**

Mfg. Part No.	Stock No.	Price Each	
		1-9	50-99
● 65307-001	89F4607	1.88	

(8416)

0.100" (2.54mm) SHROUDED LOW-PROFILE HEADERS



- 0.100" (2.54 mm) Centers
- Current Rating: 3 A Continuous
- Insulation Resistance: 10,000 MΩ/Minimum
- Dielectric Withstanding Voltage: 500 V Minimum

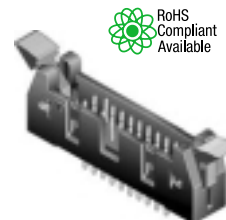
Vertical headers feature recessed pins that provide proper alignment and eliminate damage during mating. End windows for latching with IDC receptacle. High-temperature, black thermoplastic housing, flammability rated UL94V-0. Phosphor-bronze contacts plated with 15 µ" gold in contact area and 150 µ" tin/lead-plated on tails.

Mfg. Part No.	Positions	Tail Length	Stock No.	Price Each	
				1-49	50-99
● 52601-S10-4LF	10	0.120" (3.05)	84K5868	0.83	0.78
● 52601-S10-6LF	10	0.150" (3.81)	84K5869	0.92	0.86
● 52601-S10-8LF	10	Surface Mount	88K2765	1.60	1.50
● 52601-S14-4LF	14	0.120" (3.05)	84K5870	1.18	1.10
● 52601-S14-6LF	14	0.150" (3.81)	62K6177	0.93	0.87
● 52601-S14-8LF	14	Surface Mount	84K5871	1.58	1.47
● 52601-S16-4LF	16	0.120" (3.05)	84K5872	1.11	1.04
● 52601-S16-6LF	16	0.150" (3.81)	06M1208	1.18	1.11
● 52601-S20-4LF	20	0.120" (3.05)	84K5873	1.38	1.29
● 52601-S20-6LF	20	0.150" (3.81)	84K5874	1.51	1.41
● 52601-S20-8LF	20	Surface Mount	80K9210	1.94	1.81
● 52601-S26-4LF	26	0.120" (3.05)	02M5178	2.08	1.94
● 52601-S26-6LF	26	0.150" (3.81)	65K9320	2.19	2.05
● 52601-S30-4LF	30	0.120" (3.05)	06M1210	2.30	2.15
● 52601-S30-6	30	0.150" (3.81)	22C1202	2.46	2.30
● 52601-S30-8LF	30	Surface Mount	06M1211	6.09	5.69

(61277)

0.100" (2.54mm) SHROUDED EJECTOR-LATCH HEADERS

Shrouded vertical ejector-latch headers feature recessed pins that provide proper alignment and eliminate damage during mating. Phosphor-bronze contacts plated with 15 µ" gold in contact area and 150 µ" tin/lead on tails. High-temperature, black thermoplastic housing, flammability rated UL 94V-0. Current rating: 3 A continuous. Insulation resistance: 10,000 MΩ minimum. Dielectric withstanding voltage: 1500 V.



0.100" SHROUDED HEADERS

Mfg. Part No.	Positions	Tail Length	Stock No.	Price Each	
				1-49	50-99
● 53610-S10-4LF	10	0.120" (3.05)	65K9340	1.57	1.47
53610-S10-6	10	0.150" (3.81)	22C1241	1.77	1.65
53610-S14-6	14	0.150" (3.81)	22C1244	1.74	1.63
53610-S16-4	16	0.120" (3.05)	22C1246	1.67	1.56

► CONTINUED ►

FLAT/FLEX RIBBON CABLE CONNECTORS

0.100" (2.54mm) SHROUDED EJECTOR-LATCH HEADERS (CONT.)

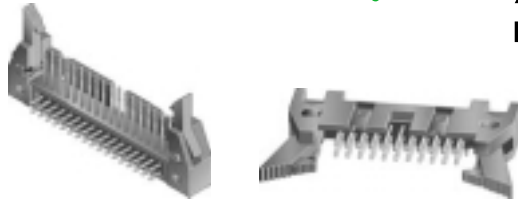
Mfg. Part No.	Positions	Tail Length	Stock No.	Price Each	
				1-49	50-99
● 53610-S20-6LF	20	0.150" (3.81)	65K9342	2.72	2.54
53610-S20-8	20	Surface Mount	22C1251	4.11	3.85
53610-S26-4	26	0.120" (3.05)	22C1252	2.74	2.56
53610-S26-6	26	0.150" (3.81)	22C1253	2.75	2.57
53610-S34-6	34	0.150" (3.81)	22C1256	3.73	3.48
53610-S34-8	34	Surface Mount	22C1257	7.86	7.35
● 53610-S40-4LF	40	0.120" (3.05)	65K9344	3.54	3.31
53610-S40-6	40	0.150" (3.81)	22C1259	3.55	3.31
53610-S40-8	40	Surface Mount	22C1260	9.82	9.18
● 53610-S50-4LF	50	0.120" (3.05)	65K9346	4.31	4.03
● 53610-S50-6LF	50	0.150" (3.81)	65K9347	4.31	4.03
53610-S50-8	50	Surface Mount	22C1263	9.14	8.54

0.100" STANDARD LATCH SHROUDED HEADERS*

Mfg. Part No.	Positions	Tail Length	Stock No.	Price Each	
				1-49	50-99
● 53611-S10-4LF	10	0.120" (3.05)	06M1216	2.34	2.19
● 53611-S10-6LF	10	0.150" (3.81)	06M1217	2.35	2.20
● 53611-S14-4LF	14	0.120" (3.05)	84K5902	2.75	2.57
● 53611-S14-6LF	14	0.150" (3.81)	06M1218	2.84	2.66
53611-S14-8	14	Surface Mount	22C1293	3.12	2.92
● 53611-S16-4LF	16	0.120" (3.05)	84K5903	11.09	10.36
● 53611-S16-6LF	16	0.150" (3.81)	84K5904	3.24	3.03
53611-S16-8	16	Surface Mount	22C1296	3.09	2.89
● 53611-S20-4LF	20	0.120" (3.05)	84K5905	3.23	3.02
● 53611-S20-6LF	20	0.150" (3.81)	84K5906	3.24	3.03
53611-S20-8	20	Surface Mount	22C1299	4.70	4.39
● 53611-S26-4LF	26	0.120" (3.05)	84K5907	4.45	4.16
● 53611-S26-6LF	26	0.150" (3.81)	84K5908	3.13	2.93
● 53611-S34-4LF	34	0.120" (3.05)	62K6220	5.66	5.29
● 53611-S34-6LF	34	0.150" (3.81)	62K6221	5.71	5.33
53611-S34-8	34	Surface Mount	22C1305	7.34	6.86
● 53611-S40-6LF	40	0.150" (3.81)	62K6223	5.44	5.08
53611-S40-8	40	Surface Mount	22C1308	8.47	7.92
● 53611-S50-4LF	50	0.120" (3.05)	62K6224	5.92	5.53
● 53611-S50-6LF	50	0.150" (3.81)	62K6225	5.98	5.59
53611-S50-8	50	Surface Mount	22C1311	8.07	7.54

*Mates with IDC receptacle with strain relief.
(61278)

0.100" (2.54mm) SHROUDED 3-WALL RIGHT-ANGLE EJECTOR LATCH HEADERS



Shrouded 3-wall ejector-latch headers feature phosphor-bronze right-angle contacts plated with gold over 1.27 µm (50 µ") nickel. Blue thermoplastic housing, flammability rated UL 94V-0. Current rating: 3 A continuous. Insulation resistance: 10,000 MΩ min. Dielectric withstanding: 1000 V min. Pin retention to housing: 13.34N (3 lbf) min.

Mfg. Part No.	Positions	Stock No.	Price Each
			1-9
● 65823-055	14	88F2793	1.98
● 65823-061	16	31B9292	2.03
● 65823-067LF	20	84K6269	1.95
● 65823-073	26	31B9299	2.19
● 65823-079	34	31B9304	3.18
● 65823-091	50	31B9310	4.00
● 65823-103	60	31B9316	5.16

(61284)

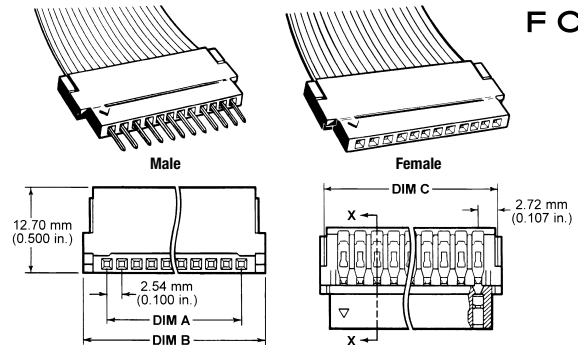
Best products, great value.

NO MINIMUM ORDER FEES

We offer the broadest in-stock selection. Visit us online or call us today.

(94650)

FLAT FLEX MALE AND FEMALE CLINCHER™ CONNECTORS



For use with thin film conductive ink circuits whose total combined thickness of conductor and insulation does not exceed 0.006" (0.152). Simultaneously terminate flat conductor, flat cable or flexible circuitry without cable stripping. Mate with 0.025" (0.635) square or round pins on 0.100" (2.54) centers. Dual-metal PVT™ contacts provide excellent electrical and mechanical performance. Clinching portion of contact forms gastight crimp to prevent contamination. Cupro-nickel contacts plated with 100µ" tin/lead finish. Available with 30µ" gold plating; *go online or call*. Current rating: 2A. Resistance: 15mΩ maximum. Maximum insertion force: 3N per contact. Minimum withdrawal force: 0.30N per contact. Blue polypropylene body, rated UL94V-0. Insulation resistance: 5x10¹⁰MΩ minimum. Temperature range: -65°C to +105°C. Withstanding voltage: >500Vrms at sea level. UL recognized, CSA certified. **NOTE:** To order parts for conductive ink circuits less than 0.00" (0.15) total thickness, change first digit after dash in mfg. part no. from "0" to "1"; for example: **65801-039** would be changed to **65801-139**. Male Clincher™ connectors are available up to 32 positions; *go online or call*.

FEMALE CLINCHER™ CONNECTORS

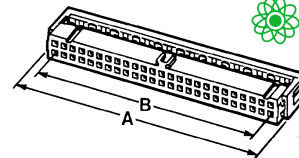
Mfg. Part No.	Positions	Dimensions			Stock No.	Price Each
		A	B	C		
65801-004	4	0.300"	0.590"	0.515"	89F4608	0.72
● 65801-006LF	6	0.500"	0.790"	0.715"	53K1448	0.92
● 65801-008LF	8	0.700"	0.990"	0.915"	53K1450	1.04
● 65801-008LF	8	0.700"	0.990"	0.915"	53K1450	1.04
● 65801-010LF	10	0.900"	1.190"	1.115"	53K1452	1.36
● 65801-010LF	10	0.900"	1.190"	1.115"	53K1452	1.36
● 65801-011LF	11	1.000"	1.290"	1.215"	53K1453	1.43
● 65801-012	12	1.100"	1.390"	1.315"	89F4613	1.75
● 65801-014LF	14	1.300"	1.590"	1.515"	53K1455	1.61
● 65801-014LF	14	1.300"	1.590"	1.515"	53K1455	1.61

MALE CLINCHER™ CONNECTORS

● 66226-006LF	6	0.500"	0.790"	0.715"	65K9470	1.40
● 66226-010LF	10	0.900"	1.190"	1.115"	65K9472	2.06
● 66226-010LF	10	0.900"	1.190"	1.115"	65K9472	2.06

(8371)

SEK 18 SERIES FLAT CABLE CONNECTORS



Specifications:

- Gender: Female
- Wire size: 28 AWG
- Work current: 1 A
- Pitch: 0.05" (1.27mm)
- Rated UL 94V-0
- Temperature range: -55°C to +125°C

Features:

- Center polarization
- Strain relief clamp
- Body material: Thermoplastic resin (PBT)
- Meet IEC DIN 41651

Mfg. Part No.	Contacts	Dimensions		Stock No.	Price Each	
		A	B		1-24	25-99
● 09-18-506-6813	6	0.480"	0.200"	88K2089	0.94	0.85
● 09-18-510-6813	10	0.681"	0.400"	88K2090	1.10	1.00
● 09-18-520-6813	20	1.181"	0.900"	88K2091	1.63	1.48
● 09-18-526-6813	26	1.480"	1.200"	88K2092	1.88	1.71
● 09-18-534-6813	34	1.881"	1.600"	88K2093	2.40	2.18
● 09-18-540-6813	40	2.181"	2.400"	88K1303	2.81	2.55
● 09-18-550-6813	50	2.681"	2.400"	93K7629	3.16	2.87
● 09-18-564-6813	64	3.381"	3.100"	88K1304	4.04	3.66

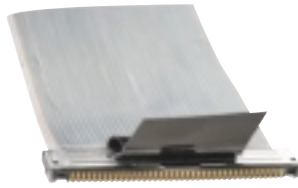
(89815)

FLAT/FLEX RIBBON CABLE CONNECTORS

0.4mm (0.158") MICRO COAXIAL RIBBON CABLE SYSTEM



HARWIN



Ribbon Cable with Connector

Just Added



Header

Designed for wiring within ultra-miniature portable devices, high speed micro coaxial ribbon cable and board-mount headers bring high-speed multi-pin transmission to restricted spaces. Connectors measure only 1.25mm x 2.5mm (HxD); headers, surface mount headers 1.5mm x 5.5mm (HxD). Micro coaxial ribbon cables come with a connector at both ends. Shielding on coaxial wire combined with plated shells on both connectors and headers provide effective noise suppression. Voltage: 50V. Current: 0.3A. Dielectric withstanding voltage: 250V. Housing: LCP. Contacts: phosphor bronze with gold plating. Surface mount headers.

M480 SERIES COAXIAL RIBBON CABLE ASSEMBLIES

Mfg. Part No.	Circuits	Cable Length (mm)	Connector Width (mm)	Stock No.	Price Each
					1-9
● M480-CASSY1-30-050	30	50	14.65	28M0175	19.45
● M480-CASSY1-30-100	30	100	14.65	28M0176	22.44
● M480-CASSY1-30-150	30	150	14.65	28M0177	26.91
● M480-CASSY1-40-050	40	50	18.65	28M0178	28.42
● M480-CASSY1-40-100	40	100	18.65	28M0179	29.90
● M480-CASSY1-40-150	40	150	18.65	28M0180	34.40
● M480-CASSY1-50-050	50	50	22.65	28M0181	31.41
● M480-CASSY1-50-100	50	100	22.65	28M0182	37.39
● M480-CASSY1-50-150	50	150	22.65	28M0183	41.86

M480 SERIES SURFACE MOUNT COAXIAL HEADERS

Mfg. Part No.	Circuits	Width (mm)	Stock No.	Price Each
				1-9
● M480-8123042R	30	16.9	28M0184	4.41
● M480-8124042R	40	20.9	28M0185	5.73
● M480-8125042R	50	24.9	28M0186	7.05

(90036)

LAT-CON™ 0.050" AND 0.100" CENTERLINE IDC CONNECTORS



ITW Pancon

- Glass-filled polyester housing, flammability rated UL94V-0
- Contact material: copper alloy
- Contact plating: 15μ" gold over nickel
- Meet MIL-C-83503 specifications
- UL recognized, CSA certified



LATERAL-ENTRY IDC SOCKETS

Lateral entry reduces termination time up to 70%. Designed for 0.050" center, 28 AWG stranded flat cable. Insulation displacement contact provide gas tight connections. Mate with LAT-CON™ headers; *ordered separately below*. Easily installed with **mfg. part no.** MCP5 termination press and **mfg. part no.** CPD64F50FM LAT-CON™ die; *go online or call. Order strain reliefs separately below.*

Mfg. Part No.	Circuits	Stock No.	Price Each	
			1-9	10-24
● 050-010-455	10	88K2069	1.92	1.83
● 050-016-435A	16	88K2070	3.09	2.94
● 050-020-455	20	93K7614	3.25	3.10
● 050-034-455	34	88K2072	4.24	4.04
● 050-050-455	50	88K2073	5.23	4.98
● 050-064-455	64	88K2074	6.85	6.52

STRAIN RELIEFS FOR LATERAL-ENTRY IDC SOCKETS

● 050-000-010	10	44F4362	0.65	0.61
● 050-000-020	20	44F4365	0.65	0.61
● 050-000-034	34	89F2227	0.76	0.72
● 050-000-050	50	44F4369	0.68	0.65
● 050-000-064	64	84F1939	0.68	0.65

SHROUDED IDC HEADERS

Fully shrouded headers with 0.114" straight solder-tail contacts. Short ejector latch for positive socket retention and easy socket unmating. 10-circuit headers (*) have slot for center polarizing. All other header sizes have slot for military keying and center polarizing slot. Mate with LAT-CON™ sockets; *ordered separately above.*

● 050-010-153A*	10	89F2241	2.89	2.75
● 050-016-153A	16	93K7613	3.57	3.40
● 050-026-153A	26	93K7615	4.95	4.72
● 050-034-153A	34	88K2071	5.56	5.30

(8775)

MAS-CON® 0.100" AND 0.156" CENTERLINE IDC CONNECTORS



ITW Pancon

- Durable % Nylon Housing, Rated UL 94V-2
- Operating Temperature: -55°C to +105°C
- UL Recognized, CSA Certified, ISO 9001 Certified



For mass termination of discrete wire and notched flat cable. Pre-loaded insulation displacement copper alloy contacts are 200 μ" tin-plated over nickel. Color-coded ribs for AWG size identification. Dielectric withstanding voltage: 2.0k VAC for 0.100" CL, 3.0k VAC for 0.156" CL minimum between adjacent contacts. Available in circuit end or circuit through style. Additional circuit sizes and plating options are also available; *go online or call. Sold in package quantities listed in table below.*

Mfg. Part No.	Circuits	AWG	Pkg. of	Stock No.	Price per Pkg.	
					1-4	5-9
● CE100F22-2-D	2	22	500	98F3593	88.97	80.36
● CE100F22-3-D	3	22	500	52F2189	123.69	111.72
● CE100F22-3-DB*	3	22	Each	93B0535	0.58	0.53
● CE100F22-4-D	4	22	500	48F5008	179.03	161.70
● CE100F22-5-D	5	22	500	52F2193	222.43	200.90
● CE100F22-6-C	6	22	100	67F933	46.44	41.95
● CE100F22-8-CB	8	22	Each	25C7533	1.50	1.39
● CE100F24-2-D	2	24	Each	48F5009	88.97	80.36
● CE100F24-2-DB*	2	24	500	93B5208	0.24	0.22
● CE100F24-10-C	10	24	100	83F6907	78.34	70.76

0.156" CENTERLINE

● CE156F18-3-D	3	18	500	52F2192	149.73	135.24
● CE156F20-6-C	6	20	100	67F969	55.56	50.18
● CE156F22-4-D	4	22	500	48F5018	200.73	181.30
● CE156F24-4-D	4	24	500	48F5019	150.82	136.22
● CE156F24-12-C	12	24	Each	96B7772	0.95	0.88

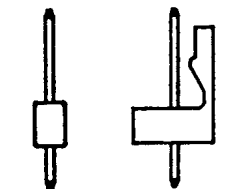
* Parts are plated with 15μ" gold.
(8880)

MAS-CON® 0.100" AND 0.156" CENTERLINE MOLDED WAFER HEADERS



ITW Pancon

- Current: 4.0 A for 0.100 CL, 12.5 A for 0.156 CL Maximum Per Pin
- Polyester, Rated UL 94V-0
- Temperature Range: -55°C to +105°C
- UL Recognized, CSA Certified



Straight Flat

Straight Locking

Straight and right angle wafer headers in flat, polarized and locking versions. Formed square copper alloy pin is post plated with 200 μ" tin over nickel. Breakable to any length and end-to-end stackable. Additional circuit sizes, header styles, and plating options are available; *go online or call. Sold in package quantities listed below.*

0.100" CENTERLINE - SQUARE POSTS STRAIGHT FLAT HEADERS

Mfg. Part No.	Circuit	Width	Pkg. of	Stock No.	Price per Pkg.	
					1-4	5-9
● MLSS100-3-D	3	0.300"	500	48F5022	110.67	99.96
● MFSS100-4-C	4	0.400"	500	48F5021	132.37	119.56
● MLSS100-8-D	8	0.800"	100	94F2789	57.08	51.55

STRAIGHT LOCKING HEADERS

● MLSS100-4-D	4	0.400"	500	48F5023	157.33	142.10
● MLSS100-6-C	6	0.600"	100	94F3104	42.97	38.81
● MLSS100-10-C	10	1.000"	100	83F6911	69.66	62.92

0.156" CENTERLINE - SQUARE POSTS STRAIGHT LOCKING HEADERS

● MLSS156-6-C	6	0.936"	100	94F2791	51.65	46.65
● MLSS156-10-C	10	1.560"	100	83F6912	86.37	78.01

(8881)

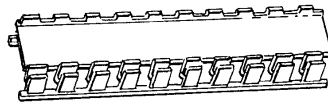
FLAT/FLEX RIBBON CABLE CONNECTORS

SCC SERIES MAS-CON® STRAIN RELIEF COMBINATION COVERS

Provide additional strain relief in high-vibration environments. Molded of natural color % nylon. Used for end or through IDC connectors. Mate with MAS-CON® connectors; ordered separately on page 684. Sold in package quantities listed below.



ITW Pancon



0.100" COMBINATION COVERS

Mfg. Part No.	Circuits	Width	Pkg. of	Stock No.	Price per Pkg.	
					1-4	5-9
● SCC100F-2-D	2	0.200"	500	48F5030	96.57	87.22
● SCC100F-6-C	6	0.600"	100	50F1752	27.78	25.09
● SCC100F-10-C	10	1.000"	100	83F7323	27.78	25.09

0.156" COMBINATION COVER

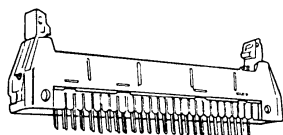
● SCC156F-6-C	6	0.600"	100	50F1761	50.78	45.87
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(8882)

LAT-CON™ SHROUDED IDC HEADERS — 0.100 x 0.100" PIN SPACING



ITW Pancon



- Current Rating: 3 A
- Withstanding Voltage: 1000 V
- Meet MIL-C-83503 Specifications
- Temperature Range: -55°C to +125°C
- UL Recognized, CSA Certified

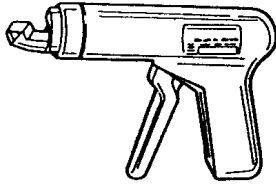
Fully shrouded headers with 0.114" straight solder-tail contacts. Copper alloy contacts plated with 15 µ" gold over nickel. Headers feature glass-filled polyester housing, rated UL 94V-0 with short ejector latches for positive socket retention and easy socket unmating. All header sizes have slot for military keying and center polarizing slot except 10 position which has center polarizing only.. Mate with sockets, ordered separately on page 684.

Mfg. Part No.	Circuits	Stock No.	Price Each		
			1-9	10-24	25-49
● 050-010-153A*	10	89F2241	2.89	2.75	2.62
● 050-016-153A	16	93K7613	3.57	3.40	3.24
● 050-026-153A	26	93K7615	4.95	4.72	4.50
● 050-034-153A	34	88K2071	5.56	5.30	5.05

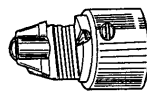
* 10-circuit position headers have slot for center polarizing only.
(8776)

MAS-CON® CONNECTOR INSTALLATION TOOLS

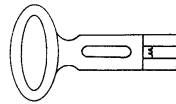
ITW Pancon



MCT



CTD-100F



MRT

Mfg. part no. MCT manual hand tool individually terminates discrete wires into MAS-CON® end connectors. Automatically indexes to next circuit position. Order mfg. part nos. CTD-100F, CTD-156F interchangeable nose sections separately below.

Mfg. Part No.	Description	Stock No.	Price Each		
			1-4	5-9	10+
MCT	Tool	67F994	176.40	162.90	149.40
CTD-100F	For 0.100" Connectors	67F992	98.00	90.50	83.00
CTD-156F	For 0.156" Connectors	67F993	98.00	90.50	83.00

MRT HAND TOOLS

Mfg. part no. MRT hand tools individually terminate discrete wires into MAS-CON® end and through connectors.

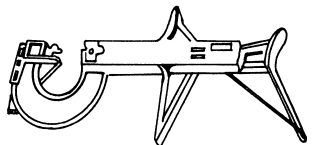
MRT-100F	For 0.100" Connectors	67F996	10.22	9.43	8.65
MRT-156F	For 0.156" Connectors	67F997	10.22	9.43	8.65

(8883)

MMIT SERIES MANUAL INDEX TOOLS

ITW Pancon

Manually terminates full line of MAS-CON® connectors, both end and through styles, with discrete wire. Easy termination for daisy-chain applications. Portable tool allows for on-site, factory, or remote use. Weights less than 0.25 lbs.



Mfg. Part No.	Stock No.	Price Each		
		1-4	5-9	10+
MMIT-100F	95F3536	129.79	119.85	109.92
MMIT-156F	95F3537	129.79	119.85	109.92

(8811)

0.50mm (0.020") PITCH FFC/FPC CONNECTORS

Just Added



molex

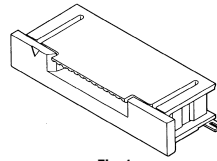


Fig. 1

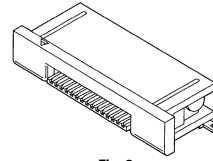


Fig. 2

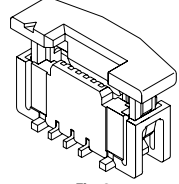


Fig. 3

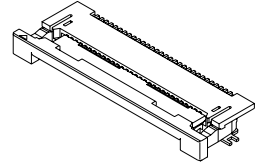


Fig. 4

Voltage: 50 V. Current: 0.5 A. Contact resistance: 20 mΩ max. Dielectric withstanding voltage: 250 VAC/1 min. Insulation resistance: 50 MΩ min. Housing: 4/6 nylon, UL 94V-0 rated. Contacts: phosphor bronze. Operating temperature: -20°C to +85°C.

52435 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF TOP CONTACT STYLE RECEPTACLES (FIG. 1)

Mfg. Part No.	Circuits	Contact Plating	Stock No.	Price Each		
				1-24	25-49	50-99
● 52435-2272	22	Tin/Bismuth Over Nickel	58J9631	2.74	2.50	2.19
● 52435-2472	24	Tin/Bismuth Over Nickel	58J9633	2.92	2.67	2.34
● 52435-2872	28	Tin/Bismuth Over Nickel	58J9637	3.17	2.89	2.54
● 52435-3072	30	Tin/Bismuth Over Nickel	58J9639	2.72	2.48	2.18

52435 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF BOTTOM CONTACT STYLE RECEPTACLES (FIG. 2)

● 52437-2272	22	Tin Over Nickel	58J9641	3.45	3.15	2.76
● 52437-2472	24	Tin Over Nickel	58J9643	3.67	3.35	2.94
● 52437-2872	28	Tin Over Nickel	58J9647	3.41	3.12	2.73
● 52437-3072	30	Tin Over Nickel	58J9649	4.28	3.90	3.42

52559 SERIES VERTICAL, SURFACE MOUNT, ZIF RECEPTACLES (FIG. 3)

● 52559-1072	10	Tin Over Nickel	58J9709	1.50	1.37	1.20
● 52559-1870	18	Tin Over Nickel	58J9717	2.47	2.25	1.97
● 52559-2072	20	Tin Over Nickel	58J9719	3.00	2.74	2.40
● 52559-2270	22	Tin Over Nickel	58J9720	2.15	1.96	1.72
● 52559-2472	24	Tin Over Nickel	58J9721	3.60	3.29	2.88
● 52559-2872	28	Tin Over Nickel	58J9724	3.47	3.17	2.78
● 52559-3072	30	Tin Over Nickel	57J3632	4.36	3.98	3.49
● 52559-4072	40	Tin Over Nickel	56J6831	4.10	3.74	3.28

52745 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF, TOP CONTACT STYLE RECEPTACLES (FIG. 1)

● 52745-0896	8	Tin Over Nickel	58J9830	1.22	1.11	0.97
● 52745-1296	12	Tin Over Nickel	45J0170	1.61	1.47	1.29
● 52745-1696	16	Tin Over Nickel	58J9837	1.53	1.40	1.22
● 52745-1896	18	Tin Over Nickel	58J9839	1.69	1.55	1.36
● 52745-2096	20	Tin Over Nickel	58J9841	2.05	1.87	1.64

52746 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF, BOTTOM CONTACT STYLE RECEPTACLES (FIG. 2)

● 52746-0870	8	Tin/Bismuth Over Nickel	58J9848	1.14	1.04	0.91
● 52746-1070	10	Tin/Bismuth Over Nickel	58J9850	1.99	1.82	1.60
● 52746-1270	12	Tin/Bismuth Over Nickel	58J9852	1.77	1.65	1.52
● 52746-1470	14	Tin/Bismuth Over Nickel	58J9854	2.10	1.92	1.69
● 52746-1670	16	Tin/Bismuth Over Nickel	58J9856	2.22	2.03	1.78
● 52746-1870	18	Tin/Bismuth Over Nickel	58J9858	2.28	2.12	1.96
● 52746-2070	20	Tin/Bismuth Over Nickel	58J9860	3.08	2.81	2.47

54132 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF BOTTOM CONTACT STYLE RECEPTACLES (FIG. 4)

● 54132-3697	36	Tin Over Nickel	59J0659	2.83	2.58	2.26
● 54132-4097	40	Tin Over Nickel	59J0661	2.96	2.70	2.37
● 54132-5097	50	Tin Over Nickel	59J0664	3.49	3.19	2.79

54548 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF BOTTOM CONTACT STYLE RECEPTACLES

● 54548-0570*	5	Tin/Bismuth Over Nickel	59J0717	1.11	1.01	0.89
● 54548-1070*	10	Tin/Bismuth Over Nickel	59J0723	1.64	1.50	1.32
● 54548-1270*	12	Tin/Bismuth Over Nickel	59J0725	1.83	1.67	1.47

54550 SERIES RIGHT ANGLE, SURFACE MOUNT, ZIF TOP CONTACT STYLE RECEPTACLES

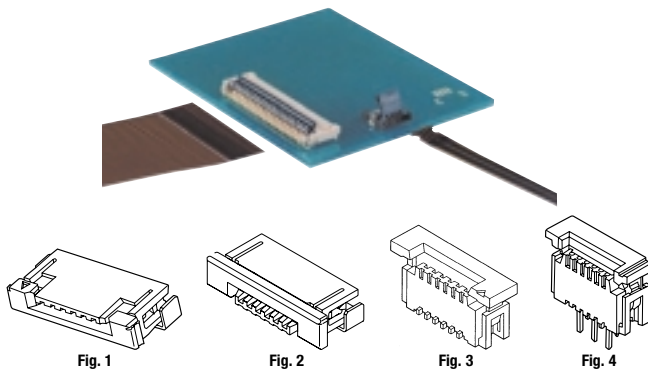
● 54550-0694	6	Tin Over Nickel	59J0738	1.18	1.08	0.94
● 54550-1894	18	Tin Over Nickel	59J0749	2.71	2.48	2.17

*54548 series contact resistance: 40mΩ max. Housing material: LCP Liquid Crystal Polymer.
(89597)

FLAT/FLEX RIBBON CABLE CONNECTORS

1.00mm (0.039") PITCH
FFC/FPC CONNECTORS

molex®



Voltage: 125 V. Current: 1.0 A. Contact resistance: 20 mΩ max. Dielectric withstanding voltage: 500 VAC/1 min. Insulation resistance: 100 MΩ min. Housing: 4/6 nylon, UL 94V-0 rated. Contacts: phosphor bronze. Operating temperature: -20°C to +85°C.

52207 SERIES SURFACE MOUNT, RIGHT ANGLE, ZIF, TOP CONTACT STYLE RECEPTACLES (FIG. 1)

Mfg. Part No.	Circuits	Contact Plating	Stock No.	Price Each		
				1-9	10-24	25-49
● 52207-0485	4	Tin/Bismuth Over Nickel	58J9499	0.95	0.89	0.82
● 52207-0685	6	Tin/Bismuth Over Nickel	58J9501	0.81	0.75	0.69
● 52207-1085	10	Tin/Bismuth Over Nickel	58J9503	1.66	1.47	1.34
● 52207-1285	12	Tin/Bismuth Over Nickel	58J9505	1.61	1.43	1.29
● 52207-1485	14	Tin/Bismuth Over Nickel	58J9507	2.21	1.96	1.78
● 52207-1885	18	Tin/Bismuth Over Nickel	58J9510	2.69	2.39	2.17
● 52207-2085	20	Tin/Bismuth Over Nickel	58J9512	2.90	2.58	2.34
● 52207-2285	22	Tin/Bismuth Over Nickel	58J9513	2.57	2.28	2.07
● 52207-2685	26	Tin/Bismuth Over Nickel	57J1704	3.45	3.07	2.78
● 52207-3085	30	Tin/Bismuth Over Nickel	58J9519	2.96	2.75	2.54

52271 SERIES SURFACE MOUNT, RIGHT ANGLE, ZIF, BOTTOM CONTACT STYLE RECEPTACLES (FIG. 2)

● 52271-0679	6	Tin/Bismuth Over Nickel	58J9529	1.32	1.17	1.07
● 52271-0879	8	Tin/Bismuth Over Nickel	58J9531	1.23	1.09	0.99
● 52271-1079	10	Tin/Bismuth Over Nickel	58J9533	1.73	1.53	1.39
● 52271-1479	14	Tin/Bismuth Over Nickel	58J9537	2.04	1.81	1.64
● 52271-1879	18	Tin/Bismuth Over Nickel	58J9541	2.34	2.08	1.89
● 52271-2079	20	Tin/Bismuth Over Nickel	58J9543	2.49	2.21	2.01
● 52271-2279	22	Tin/Bismuth Over Nickel	58J9545	2.20	1.96	1.78
● 52271-2479	24	Tin/Bismuth Over Nickel	58J9547	2.82	2.50	2.27
● 52271-2879	28	Tin/Bismuth Over Nickel	58J9551	2.58	2.30	2.08
● 52271-3079	30	Tin/Bismuth Over Nickel	58J9553	3.19	2.83	2.57

52610 SERIES SURFACE MOUNT, VERTICAL, ZIF RECEPTACLES (FIG. 3)

● 52610-0671	6	Tin Over Nickel	45J3382	1.98	1.76	1.60
● 52610-0871	8	Tin Over Nickel	58J9762	1.98	1.76	1.60
● 52610-1071	10	Tin Over Nickel	58J9766	1.75	1.63	1.50
● 52610-1271	12	Tin Over Nickel	58J9769	2.42	2.25	2.08
● 52610-1471	14	Tin Over Nickel	56J8687	2.69	2.50	2.31
● 52610-1671	16	Tin Over Nickel	58J9775	2.92	2.72	2.51
● 52610-1871	18	Tin Over Nickel	58J9778	3.12	2.90	2.68
● 52610-2071	20	Tin Over Nickel	58J9781	3.30	3.07	2.83
● 52610-2271	22	Tin Over Nickel	58J9784	4.58	4.07	3.69
● 52610-2471	24	Tin Over Nickel	58J9786	4.87	4.33	3.93
● 52610-2671	26	Tin Over Nickel	58J9788	3.48	3.09	2.80
● 52610-2871	28	Tin Over Nickel	58J9790	5.31	4.72	4.28
● 52610-3071	30	Tin Over Nickel	58J9791	4.47	3.97	3.60

71226 SERIES THRU-HOLE, VERTICAL ZIF RECEPTACLES (FIG. 4)

● 71226-0425	4	Tin	50H8229	1.76	1.68	1.59
● 71226-0625	6	Tin	50H8230	2.38	2.27	2.15
● 71226-0825	8	Tin	50H8231	4.15	3.95	3.76
● 71226-1025	10	Tin	97C5512	1.92	1.79	1.65
● 71226-1225	12	Tin	90C0550	1.98	1.84	1.70
● 71226-1425	14	Tin	50H8232	5.96	5.68	5.39
● 71226-1625	16	Tin	50H8233	2.34	2.23	2.12
● 71226-1825	18	Tin	50H8234	2.55	2.43	2.31
● 71226-2025	20	Tin	50H8235	2.90	2.76	2.62
● 71226-2225	22	Tin	50H8236	8.68	8.26	7.85
● 71226-2425	24	Tin	28M9469	8.71	8.30	7.88
● 71226-2625	26	Tin	50H8238	9.88	9.41	8.94
● 71226-3025	30	Tin	28M9470	5.43	5.17	4.91

(8452)

1.25mm (0.049")
PITCH FFC/FPC
CONNECTORS

Just Added



molex®

Voltage: 200 V. Current: 1.0 A. Contact resistance: 20 mΩ max. Dielectric withstanding voltage: 500 VAC/1 min. Insulation resistance: 500 MΩ min. Housing: PBTB UL 94V-0 rated. Contacts: phosphor bronze. Plating: tin over nickel. Operating temperature: -20°C to +80°C.

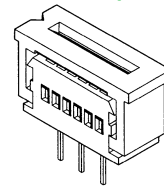


Fig. 1

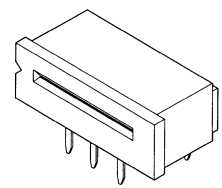


Fig. 2

FFC/FPC-TO-BOARD VERTICAL, THRU-HOLE ZIF RECEPTACLES (FIG. 1)

Mfg. Part No.	Circuits	Stock No.	Price Each		
			1-9	10-24	25-49
● 39-53-2105	10	58J8681	1.02	0.95	0.88
● 39-53-2145	14	58J8691	1.27	1.18	1.09
● 39-53-2165	16	58J8696	1.41	1.31	1.21
● 39-53-2205	20	63K9248	2.19	2.09	1.98
● 39-53-2225	22	58J8710	1.99	1.85	1.71
● 39-53-2245	24	58J8715	1.95	1.81	1.67
● 39-53-2265	26	58J8720	2.09	1.94	1.79
● 39-53-2285	28	20M7096	2.43	2.26	2.09
● 39-53-2305	30	58J8730	2.33	2.17	2.00

FFC/FPC-TO-BOARD RIGHT ANGLE, THRU-HOLE ZIF RECEPTACLES (FIG. 2)

● 39-53-2104	10	18M8090	1.59	1.51	1.44
● 39-53-2144	14	20M7093	1.71	1.59	1.46
● 39-53-2184	18	58J8700	1.85	1.72	1.59
● 39-53-2204	20	20M7094	1.83	1.70	1.57
● 39-53-2224	22	58J8709	1.97	1.83	1.69
● 39-53-2244	24	20M7095	2.57	2.39	2.20
● 39-53-2264	26	58J8719	2.49	2.32	2.14
● 39-53-2284	28	58J8724	2.68	2.49	2.29
● 39-53-2304	30	58J8729	2.86	2.66	2.45

(89598)

0.5mm PITCH FPC
CONNECTORSOMRON®
OMRON ELECTRONIC COMPONENTS LLC

- Patented locking mechanism for improved connection stability
- Rated current: 0.5 A
- Rated voltage: 50 VDC
- Withstanding voltage: 250 SVAC for 1 minute
- **XF2M series** — 2mm low-profile, rotary-lock construction with double-sided contacts
- **XF2J series** — compact, 4.15mm low-profile with slide-locking, top-entry ZIF connector
- **XF2L series** — 1.2mm low-profile with slide-locking, side-entry ZIF connector
- Tape & reel packaging

Highly reliable, low-profile **XF2 series** flexible printed circuit (FPC) connectors are ideal for a variety of compact surface mount electronics modules, from cell phones and PDAs, to thermostats and lighting controls. Other sizes in stock; go online or call Newark.

XF2H SERIES DUAL-CONTACT ROTARY-LOCK ZIF CONNECTORS

Mfg. Part No.	Circuits	Dimensions				Stock No.	Price Each
		A	B	C	D		
● XF2M-1015-1A	10	0.374"	0.177"	0.22"	0.35"	41M0933	1.36
● XF2M-1415-1A	14	0.44"	0.26"	0.3"	0.41"	73K5690	2.41
● XF2M-1815-1A	18	0.52"	0.33"	0.38"	0.49"	03M4577	2.56
● XF2M-2015-1A	20	0.56"	0.37"	0.42"	0.53"	87K2157	2.68
● XF2M-2415-1A	24	0.63"	0.45"	0.50"	0.61"	05M2016	2.90
● XF2M-3015-1A	30	0.75"	0.57"	0.61"	0.73"	88K0914	6.42
● XF2M-3315-1A	33	0.81"	0.63"	0.67"	0.79"	05M2023	3.57

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FLAT/FLEX RIBBON CABLE CONNECTORS • I/O CONNECTORS

0.5mm PITCH FPC CONNECTORS (CONT.)

Mfg. Part No.	Circuits	Dimensions				Stock No.	Price Each	
		A	B	C	D		1-24	25-49
● XF2M-4015-1A	40	0.91"	0.73"	0.77"	0.89"	41M0934	2.66	
● XF2M-4515-1A	45	0.95"	0.77"	0.81"	0.92"	05M2035	4.52	
● XF2M-5015-1A	50	1.15"	1.01"	1.01"	1.12"	88K0922	4.85	

XF2J SERIES DUAL-CONTACT SLIDE-LOCK ZIF CONNECTORS

● XF2J-2024-11A	20	0.571"	0.374"	0.417"	0.547"	05M1979	3.77	
● XF2J-2424-11A	24	0.650"	0.453"	0.496"	0.626"	87K0738	3.39	

XF2L SERIES UPPER-CONTACT SLIDE-LOCK ZIF CONNECTORS

● XF2L-0535-1A*	5	0.079"	0.252"	0.291"	0.122"	05M1984	1.20	
● XF2L-1235-1*	12	0.216"	0.39"	0.394"	0.31"	89C8587	1.41	
● XF2L-1835-1A*	18	0.335"	0.508"	0.547"	0.378"	05M2000	1.98	
● XF2L-2035-1*	20	0.374"	0.547"	0.596"	0.417"	29C7854	1.80	
● XF2L-2235-1*	22	0.394"	0.567"	0.606"	0.437"	89C8593	1.90	

*Bottom contact
(68178)SFP CONNECTORS
AND CAGES

Tyco Electronics

- Network Applications: Fibre Channel, Gigabit Ethernet, InfiniBand
- RoHS/ELV Compliant



Just Added

CONNECTORS

Mfg. Part No.	Description	Contacts	Config.	Stock No.	Price Each
● 1658390-1	SFP Cage and Connector Assembly	8	2 x 4	22J1355	52.84
● 1367500-1	XFP PT Connector Enhanced Performance	30	...	21J8484	8.79
● 1658197-1	SFP PT Connector Lubed	20	...	72J8389	4.21
● 1367337-1	X2, XENPAK, XPAK PT Connector	70	...	94C5501	11.00

PLUGS

● 1367073-1	SFP Connector, IR Surface Mount	20	...	27C3841	2.29
● 1367073-2	SFP Connector, IR Surface Mount	20	...	26H2310	3.71
● 788862-1	XFP Connector, IR Surface Mount	30	...	86H3022	5.40

CAGES

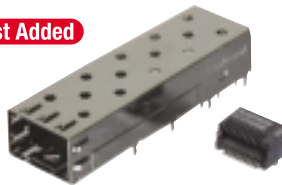
Mfg. Part No.	Description	Mount Style	Stock No.	Price Each
● 6367035-1	SFP Cage (Top), IR Thru-Hole	Double Sided, Single Sided	16M3410	3.50
● 6367034-1	SFP Cage (Bottom), IR Thru-Hole	Double Sided, Single Sided	80K5489	3.50
● 1489962-1	SFP Cage (One Piece), Wave Solder	Single Sided	57J2027	10.55
● 1489779-1	SFP Cage (One Piece), Press-Fit	Single Sided	61H3401	5.64
● 1489669-1	SFP Cage (One Piece), Press-Fit	Double Sided, Single Sided	96C8955	5.71
● 1489951-1	XFP Cage Assembly 10 Gigabit	Single Sided	10J7268	21.75
● 1761008-1	SFP 1 x 4 Cage Assembly with Light Pipe	Single Sided	28K1544	24.67
● 1658744-1	SFP 1 x 4 Cage Assembly	Single Sided	39K4208	15.21

(83192)

SFP SERIES
CONNECTORS
AND CAGES

Amphenol Commercial Products

Just Added



SFP Press Fit Cage and SMT SFP Connector

Mfg. Part No.	Description	Stock No.	Price Each
● UE75A203000T	SFP SMT Connector, 30u" Gold, Tin Tails	84K8208	1.36 1.18
● UE75-A20-2000T	SFP SMT Connector, 30u" Gold, Gold Tails	01M6485	1.38 1.20
● U77-A1114-100T	1X1 SFP Solder Pin Cage	39M5503	1.66 1.44
● U77A1118200T	1X1 SFP Press Fit Pin Cage	84K8209	1.66 1.44
● U77A21142001	1X2 SFP Press Fit Pin Cage	84K8210	2.24 1.94
● U77A41142001	1X4 SFP Press Fit Pin Cage	84K8211	3.94 3.42
● U77A61142001	1X6 SFP Press Fit Pin Cage	39M1926	5.36 4.66
● U78B112600121	2X1 SFP Press Fit Cage and Connector Combo	84K8212	7.80 6.78

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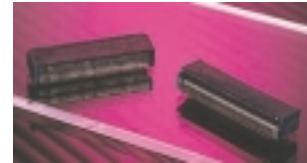
SFP SERIES CONNECTORS AND CAGES (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each
● U78B412600121	2X4 SFP Press Fit Cage and Connector Combo	84K8213	28.94 25.16
● U77-A1110-8000P	SFP Cage Dust Cover	39M5502	0.07 0.06

(68415)

0.80mm (0.31") PITCH SMALL
FORM-FACTOR PLUGGABLE
(SFP) RECEPTACLES

molex



- Voltage: 30 V
- Current: 0.5 A
- Contact resistance: 10 mΩ max.
- Dielectric withstanding voltage: 300 VAC
- Insulation resistance: 100 MΩ min.

Connector used in conjunction with pluggable transceiver modules allow you to mate copper cable or optical cable assemblies without changing host board. Card entry slot to accept 1.00 mm (0.39") thick integrated circuit board (located inside the pluggable module). Alignment posts provide stability for placement on the PCB. Standoffs allow easy PCB cleaning after soldering. SMT receptacle provides option for placement on either side of the PCB. Meets MSA standards.

15μ" GOLD PLATING THICKNESS

Mfg. Part No.	Circuits	Stock No.	Price Each
● 74441-0001	20	09J7612	4.26
● 74441-0007	30	28M9474	5.86
● 74441-0003	70	09J7613	13.71

30μ" GOLD PLATING THICKNESS

● 74441-0010	20	09J7615	3.55
● 74441-0017	30	28M9476	7.43
● 74441-0013	70	28M9475	16.93

SFP CABLE ASSEMBLY

● 73929-0001	20	02E0095	75.96
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HSSDC2 COPPER CABLE ASSEMBLY

73939-1001	7	25M5219	44.84
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HSSDC2 RIGHT-ANGLE SHIELDED RECEPTACLES 1.27MM (.050") PITCH

Mfg. Part No.	Circuits	Keying Type	Stock No.	Price Each
● 74703-0007	7	Infiniband	59H5584	13.02 11.54
● 74703-0107	7	Fibre Channel	25H9419	13.02 11.54

HSSDC2 AND SFP MODULE-TO-BOARD ADAPTERS

Mfg. Part No.	Description	Stock No.	Price Each
74720-0202	SFP Copper Adapter, HSSDC2 to SFP	25M5268	204.25 170.00
● 74720-0502	SFP Loopback Adapter	01J9446	56.82 50.36

XFP CAGE ASSEMBLIES

● 74736-0220	XFP Cage With No Heatsink or Clip	30M9534	19.59 17.04
● 74736-0222	XFP Cage With San Heatsink	82K8220	35.88 31.80

(80531)

MINISAS SCSI
CONNECTORS

Just Added



3M



- 6 Gbps input/output connector for server applications
- Internal vertical connectors, 36-position vertical and right angle SMT Connectors and internal shells
- External 26-position SMT right angle connector and EMI guide external cage, single or double bay
- Meets SAS specification, SAS-1.1
- Pitch spacing: 0.8mm (0.031")

Mfg. Part No.	No. of Contacts	Description	Stock No.	Price Each
● 8A26-2030-LJ	26	R/A, SMT Type, 30µin Au plating, Tray	33M8134	4.50
● 8A36-1030-LJ	36	Vertical, SMT Type, 30µin Au plating, Tray	33M8135	4.56
● 8A36-2030-LJ	36	R/A, SMT Type, 30µin Au plating, Tray	33M8136	4.56
● 8B36-1410	36	Internal Vertical shell, Dual Key, Kinked, 2.79mm tail length	33M8137	0.78
● 8B36-1420	36	Internal Vertical shell, Dual Key, 2.79mm tail length	33M8138	0.78
● 8B36-2411	36	Internal R/A shell, Dual Key, Kinked, 3.18mm tail length	33M8139	0.93

▶ CONTINUED ▶

I/O CONNECTORS

MINISAS SCSI CONNECTORS (CONT.)

Mfg. Part No.	No. of Contacts	Description	Stock No.	Price Each
● 8B36-2421	36	Internal R/A shell, Dual Key, 3.18mm tail length	33M8140	0.93
● 8C26-14000	26	External Cage, 1 by 1, key 4	33M8141	3.32
● 8C26-24400	26	External Cage, 1 by 2, key 4 & 4	33M8142	4.81

(90500)

SERIAL ATTACHED SCSI (SAS) CONNECTOR

Just Added



- 3.0 Gbps input/output connector for backplane applications
- Two contact mating levels for early-mate and late-break allows "blind mating" or "hot swap" applications
- SAS Boardmount Vertical Receptacle is capable of accepting HDD fitted with SAS or Serial Advanced Technology Attachment (SATA) Header
- Compliant pin
- Meets SFF-8482 Specification
- Meets SAS Specification, SAS-1.1



Mfg. Part No.	Description	Stock No.	Price Each
● SBH-ST-29-SA-ML	SAS 29 pin straddle mount plug	10M7602	3.01 2.73
● SBH-ST-29-SM-ML	SAS 29 pin SMT plug	10M7603	3.01 2.73
● SBR-EV-29-P-ML	SAS Elevated 29 pin socket	10M7604	3.01 2.73
● SBR-RA-29-S-ML	SAS 29 pin SMT&R/A socket	10M7605	3.01 2.73
● SBR-ST-29-P-ML	SAS standard press-fit 29 pin socket	10M7606	3.23 2.93

(89412)

SERIAL ADVANCED TECHNOLOGY ATTACHMENT (SATA) CONNECTORS

Just Added



- 1.27 mm In-line Contacts
- EMLB Contacts for Hot Plugging
- Extended Height Combo Receptacle for Backplane
- L-Shaped Polarization
- Low Voltage Requirement (500 mV peak-to-peak)
- Point-to-Point Signaling
- Accommodates 3.3v, 5v and 12v Requirements
- Blind Mate Guide Rails
- 2.5" and 3.5" HDD Interface
- Rugged Over Mold Assembly Construction
- Right Angle Combo Host for Flushmount and PCI Mezzanine Card Applications

5622 SERIES - HOST RECEPTACLES

Mfg. Part No.	Contacts	Description	Stock No.	Price Each
● 5622-1200-ML	22	Right-Angle, Surface Mount, Standard Height, 30u" Gold	18M6680	2.27
● 5622-2103-ML	22	Vertical-Extended, PCB Thru Hole, 30u" Gold	18M6681	2.18
● 5622-2222-ML	22	Vertical, Surface Mount w/mounting flange, 30u" Gold	18M6682	2.18
● 5622-2603-ML	22	Vertical-Extended, Press Fit, 30u" Gold	18M6683	2.27
● 5622-4100-ML	22	Right-Angle, PCB Thru Hole, 30u" Gold	18M6684	2.09
● 5622-6306-ML	22	Co-Planar, Straddle Mount, 30u" Gold	18M6685	1.98

5607 SERIES - SIGNAL PLUG

● 5607-4200-SH	7	Right-Angle, Surface Mount, Gold Flash	18M6678	0.38
● 5607-5102-SH	7	Vertical, Thru Hole, Gold Flash	18M6679	0.53

(89560)

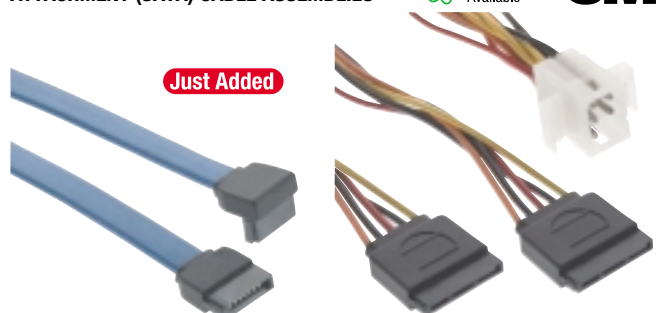
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(94656)

SERIAL ADVANCED TECHNOLOGY ATTACHMENT (SATA) CABLE ASSEMBLIES



5602

5601

- 1.27 mm In-line Contacts
- EMLB Contacts for Hot Plugging
- Extended Height Combo Receptacle for Backplane
- L-Shaped Polarization
- Low Voltage Requirement (500 mV peak-to-peak)
- Point-to-Point Signaling
- Accommodates 3.3 V, 5 V and 12 V Requirements
- 1 Meter Signal Cables
- Blind Mate Guide Rails
- 2.5" and 3.5" HDD Interface
- Rugged Over Mold Assembly Construction
- Right Angle Combo Host for Flushmount and PCI Mezzanine Card Applications

SATA SIGNAL CABLE

Mfg. Part No.	Contacts	Length (m)	Description	Stock No.	Price Each
● 5602-1101	7	0.5	Right Angle to Right Angle	18M6672	2.47
● 5602-2101	7	0.5	Straight to Right Angle	18M6674	2.47
● 5602-2201	7	0.5	Straight to Straight	18M6676	2.47
● 5602-1102	7	1.0	Right Angle to Right Angle	18M6673	2.76
● 5602-2102	7	1.0	Straight to Right Angle	18M6675	2.76
● 5602-2202	7	1.0	Straight to Straight	18M6677	2.76

SATA POWER CABLE

Mfg. Part No.	Contacts	Length (in.)	Description	Stock No.	Price Each
● 5601-22-127-200	15	8	Molded	18M6671	3.63

(89630)

SHRUNK DELTA RIBBON (SDR) I/O SYSTEM CONNECTORS



3M™ SDR connector is a ribbon contact system with a 0.8mm contact pitch. SDR boardmount connectors are constructed of RoHS compliant high temp plastic bodies, 30u" gold contacts, polarized, stamped metal EMI/ESD interface with installed jack sockets and supporting boardmounting hardware. Applications include high density I/O and camera to C/L frame grabber applications meeting the new AIA Industrial Mini Camera Link® standard.



RECEPTACLES

Mfg. Part No.	Positions	Termination	Stock No.	Price Each
● 12214-1150-00FR	14	Straight Thru-hole	88K3126	6.34 5.62
● 12214-5150-00FR	14	Right-angle Thru-hole	88K3127	6.67 5.91
● 12214-8250-00FR	14	Right-angle SMT	88K3128	8.00 7.09
● 12226-1150-00FR	26	Straight Thru-hole	88K3129	7.18 6.36
● 12226-5150-00FR	26	Right-angle Thru-hole	88K3130	7.51 6.65
● 12226-8250-00FR	26	Right-angle SMT	88K3131	8.84 7.83
● 12250-5150-00FR	50	Right-angle Thru-hole	88K3132	10.00 8.85

ASSEMBLIES

Mfg. Part No.	Description	Stock No.	Price Each
● 1MF26-L560-00C-500	ST SDR-ST MDR, 5m	88K3120	240.58 213.08
● 1MF26-L576-00C-200	RA SDR long row out-ST MDR, 2m	88K3121	210.00 186.00
● 1MF26-L586-00C-500	RA MDR long row out-ST SDR, 5m	88K3122	272.74 241.57
● 1MG26-LF00-00C-200	ST SDR - St Female MDR 2m (ext. cable)	88K3123	216.13 191.43
● 1SF26-L120-00C-500	ST SDR-ST SDR, 5 m	88K3124	354.78 314.24
● 1SF26-L136-00C-200	RA SDR long row out-ST SDR, 2 m	88K3125	325.12 287.96

(88944)



I/O CONNECTORS

MINI DELTA RIBBON (MDR) HIGH SPEED I/O SYSTEM CONNECTORS



3M™ High speed mini delta ribbon (MDR) cable assembly supports new LVDS Channel Link™ signaling. MDR LVDS cable assemblies utilize the MDR connector design with a pin out that conforms to the LDI (LVDS Display Interface) mechanical specification. Each cable pair is individually shielded. The entire cable bundle is shielded with foil and braid for additional signal protection. The system uses the rugged MDR ribbon type contact. Applications include high speed cascade cabling in network communications and video transmission systems. Channel Link is a trademark of National Semiconductor Corp.



Mfg. Part No.	Positions	Cable Length (m)	Stock No.	Price Each	
				1-4	5-9
● 14526-EZ5B-050-02C	26	0.5	88K3137	59.10	52.35
● 14526-EZ5B-100-02C	26	1	19M8476	65.87	58.35
● 14526-EZ5B-200-02C	26	2	06H2969	79.42	70.34
● 14526-EZ5B-300-02C	26	3	88K3139	92.96	82.34
● 14T50-SZWB-100-0NC	50	1	09K7570	113.44	100.48
● 14T50-SZWB-200-0NC	26	2	73J7000	132.37	117.25
● 14T50-SZWB-500-0NC	26	5	88K3136	194.27	172.07
● 14B50-SZWB-100-0NC	50	1	88K3133	116.05	102.78
● 14B50-SZWB-200-0NC	50	2	20M4365	136.10	120.55
● 14B50-SZWB-500-0NC	50	5	19M8469	197.53	174.95
● 14T36-SZ6B-100-0HC	36	1	19M8473	78.11	69.18
● 14T36-SZ6B-200-0HC	36	2	19M8474	89.29	79.09
● 14T36-SZ6B-500-0HC	36	5	19M8475	127.96	113.34

(88945)

SERIAL ATA (SATA) CONNECTORS



ATA (SATA) hard drive connectors feature 7-contact single row plug construction, except mfg. part no. 1470066-1 double row, 7 contacts per row. Replaces 26-position ribbon connector with small flexible signal cable. SATA can be directly connected (hot-plugged) to motherboards and backplanes similar to current SCSI applications, completely eliminating the need for cable. PCB retention feature. Housing flammability rating: UL 94V-0.



Mfg. Part No.	Style	Retention	Mount	Stock No.	Price Each	
					1-9	10-24
● 1734693-1	Vertical	Boardlock	PCB Straight Thru Hole	16M2770	1.15	1.08
● 1734058-2	Vertical	Mounting Post	PCB SMT	16M2761	2.14	2.02
● 1470638-2	Right Angle	Boardlock	PCB SMT	30K6220	1.66	1.56
● 1734698-2	Right Angle	Boardlock	PCB SMT	17M9662	1.66	1.56

(84826)

MINI SAS (SCSI) CONNECTORS AND CAGES



Mini SAS Receptacle



Mini SAS Cage

Mini-SAS is the latest in the SCSI family, which is much smaller and faster than the standard SCSI connector. The Mini-SAS involves a 26 ctk. connector shielded by a cage. The cages are 1 piece construction with enhanced transceiver mating tabs. Cages are available in single or multiple port configurations; go online or call.

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	25-49
● FS1R262000	26 Position, MINI SAS Receptacle	84K8148	4.58	4.19
● FS1-S01-14E1	Shell, 1X -1deg., MINI SAS Cage	84K8150	3.07	2.81
● FS1-S02-14E1	Shell, 2X -1deg., MINI SAS Cage	84K8151	3.97	3.63
● FS1-SF2-14E1	Shell, 2X -0 deg., MINI SAS Cage	84K8149	3.97	3.63
● FS1-SF1-14E1	Shell, 1X -0deg., MINI SAS Cage, Universal Port	39M5476	3.07	2.81
● FS1-S01-124E1	Shell, 1X -1deg., MINI SAS Cage, SAS Out Port	39M5477	3.07	2.81
● FS1-S01-146E1	Shell, 1X -1deg., MINI SAS Cage, SAS In Port	39M5478	3.07	2.81

(88632)

ATA SERIAL CONNECTORS

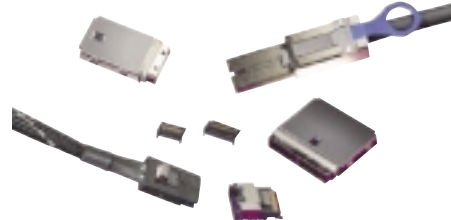
PC board ATA hard drive connectors feature 1.27 mm (.050") pitch, 7-contact, single row construction. Rated 1.5 A, 500 VAC withstanding voltage. Housing flammability rating: UL 94V-0.



Mfg. Part No.	Gender	Style	Mount	Stock No.	Price Each	
					1-9	10-24
● 67489-1005	Receptacle	Right Angle	Cable	59J1077	0.73	0.68
● 67489-8005	Receptacle	Vertical	Cable	59J1079	0.73	0.68
● 47082-1000	Header	Right Angle	Surface Mount	63K2599	3.21	2.98
● 67800-5005	Header	Vertical	Surface Mount	63K9264	1.04	0.97
● 67800-8005	Header	Vertical	Thru-Hole	63K9265	1.07	0.99

(88005)

IPASST™ I/O SMT RECEPTACLES AND ACCESSORIES



IPASST™ system provides flexible speed compatibility for applications ranging from 1.5 to 6.0 Gbps, with capability up to 10 Gbps. Supports SAS, SATA, SFF and external PCI Express. 75586 right angle receptacles have 0.8mm (.031") pitch, feature standoffs for easy PCB cleaning after soldering. 75783 right angle internal receptacles have hood kits that act as disposable pick-and-place caps, align the connector to the hood during robotic placement. Rated 0.5A @ 30V. 74150 complies with PCI SIG specs, supports 2.5 Gps data transfer rate for Gen I and 5.0 Gps for Gen II. Inline SMT leads on 0.64mm pitch. 75581 is an integrated press-fit connector assembly with cage for one-step placement to PCB.

CONNECTORS

Mfg. Part No.	Description	Con-tacts	Stock No.	Price Each	
				1-9	10-24
74150-0001	PCIe 1X SMT receptacle	18	32M6691	15.99	14.80
● 75586-0007	PCIe 8x host connector for external applications	68	83K0809	28.31	26.20
● 75586-0009	I/O SMT Wire-To-Board Connector	26	18M8260	1.22	1.13
● 75586-0011	I/O SMT Wire-To-Board Connector	38	83K0811	13.95	12.91
● 75783-0132	Mini SAS/SATA 4x connector/thru-hole hood kit*	36	18M8261	42.51	39.35
● 75783-0140	Mini SAS/SATA 4x connector/thru-hole hood kit**	36	18M8262	24.08	22.28
● 75581-0002	PCIe x16 integrated press fit assembly	136	32M6720	51.74	47.89

GUIDE FRAMES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	10-24
● 74548-0111	1x guide frame, 4 universal key for PCI mount	32M6715	6.07	5.62
● 74548-0205	1x4 guide frame, 4 universal key	32M6716	12.01	11.12
● 74548-0208	1x2 guide frame, 4 universal key	32M6717	8.95	8.29
● 74548-0212	1x guide frame, 4 universal key	32M6718	12.01	11.12
74540-0100	x8 PCIe guide frame, 0 degree	32M6692	8.27	7.65
74540-0400	x4 PCIe guide frame, 0 degree	32M6693	6.66	6.16

CABLES

Mfg. Part No.	Description	Con-tacts	Lgth. (m)	Stock No.	Price Each	
					1-9	10-24
● 74576-0001	PCIe x1 Cable Assembly	18	1	32M6719	30.45	
74546-0401	PCIe x4 Cable Assembly	38	1	32M6694	170.85	
74546-0403	PCIe x4 Cable Assembly	38	3	32M6695	207.17	
74546-0405	PCIe x4 Cable Assembly	38	5	32M6696	257.58	
74546-0407	PCIe x4 Cable Assembly	38	7	32M6697	286.01	
74546-0801	PCIe x8 Cable Assembly	68	1	32M6698	259.11	
74546-0803	PCIe x8 Cable Assembly	68	3	32M6699	327.37	
74546-0805	PCIe x8 Cable Assembly	68	5	32M6700	423.38	
74546-0807	PCIe x8 Cable Assembly	68	7	32M6701	498.43	
74546-1601	PCIe x16 Cable Assembly	136	1	32M6702	449.39	
74546-1603	PCIe x16 Cable Assembly	136	3	32M6703	584.74	
74546-1605	PCIe x16 Cable Assembly	136	5	32M6704	754.70	
74546-1607	PCIe x16 Cable Assembly	136	7	32M6705	900.51	
74547-0120	SAS x4 Cable, End Point 2, 4-4, 6	26	1	32M6706	90.55	
74547-0301	SAS Cable, 2,4,6 universal key	26	1	32M6707	81.09	
74547-0302	SAS Cable, 2,4,6 universal key	26	2	32M6708	93.39	
74547-0303	SAS Cable, 2,4,6 universal key	26	3	32M6709	105.70	

➔ CONTINUED ➔

I/O CONNECTORS

IPASS™ I/O SMT RECEPTACLES AND ACCESSORIES (CONT.)

Mfg. Part No.	Description	Con- tacts	Lgth. (m)	Stock No.	Price Each 1-9
74547-0305	SAS Cable, 2,4,6 universal key	26	5	32M6710	151.42
● 74547-2051	iPass to SFF8470/4x, 2,4,6 universal key	26	1	32M6711	100.98
● 74547-2052	iPass to SFF8470/4x, 2,4,6 universal key	26	2	32M6712	113.30
● 74547-2053	iPass to SFF8470/4x, 2,4,6 universal key	26	3	32M6713	125.62
● 74547-2055	iPass to SFF8470/4x, 2,4,6 universal key	26	5	32M6714	171.31
● 79576-2105	Internal SFF8087	36	0.33	32M6721	12.14
● 79576-2114	Internal SFF8087	36	1	32M6722	16.94
● 79576-3005	Internal SFF8087 fanout to SATA	36	1	32M6723	13.34

(89564)

MINI USB CONNECTOR
AND CABLE ASSEMBLY

**Tyco
Electronics**

- Thermoplastic housing, rated UL 94V-0
- Gold over copper alloy contacts
- Temperature rating: -55°C to +85°C



RIGHT ANGLE PC MOUNT SOCKET

Mfg. Part No.	Series	Contacts	Stock No.	Price Each		
				1-9	10-24	25-49
● 1734035-1	B	3	16M2760	1.35	1.28	1.20
● 1734327-1	A	5	16M2764	1.63	1.54	1.45

CABLE MOUNT PLUG

Mfg. Part No.	Series	Contacts	Stock No.	1-9	10-24	25-49
440315-1	A	5	79J5775	1.27	1.20	1.13

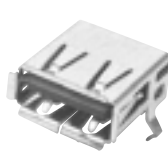
CABLE ASSEMBLY

Mfg. Part No.	Assembly Type	Stock No.	Price Each	
			1-9	10-24
● 1496476-1	USB Type B Male-to-USB Type A	75K1882	3.83	3.62

(89563)

UNIVERSAL SERIAL
BUS RECEPTACLES

- Thermoplastic housing, rated UL 94V-0
- Gold over copper alloy contacts
- Temperature rating: -55°C to +85°C



**Tyco
Electronics**



4-position, PCB thru-hole receptacles offer plug-and-play capability. Hot pluggable connectors permit attaching or detaching peripherals without powering down or rebooting.

USB

Mfg. Part No.	Series	Solder Tail Length	Mounting	Stock No.	Price Each		
					1-9	10-24	25-49
● 1734366-1	A	0.110"	PC Board Vertical	18M6973	1.85	1.75	1.64
● 292336-1	A	0.090"	Flag Right Angle	39M4083	5.45	5.17	4.84
● 292304-1	B	0.118"	Right-Angle PCB Thru-Hole	41J2935	1.75	1.66	1.55
● 5787834-1	B	0.119"	Straight PCB Thru-Hole	30K6913	6.10	5.78	5.41

(61072)

MUSB SERIES HARSH
ENVIRONMENT USB
CONNECTORS

**Amphenol
Commercial Products**

- IP67 sealed in mated and unmated conditions
- Meets military shock and vibration levels
- No special termination tooling required

Unique and innovative USB connector design provides the ideal solution for data transfer in harsh or demanding environments. These connectors are underwater submersible rather than just water resistant in both mated and unmated conditions. Metal die cast outer shell. Current rating: 1.5 A.

TYPE A RECEPTACLES

Mfg. Part No.	Contacts	Mounting	Rear Shield	Stock No.	Price Each	
					1-9	10-24
● MUSB-A111-30	4	Right-Angle PCB	Yes	01M6102	10.54	9.41
● MUSB-A211-30	4	PCB with Cable Header	Yes	01M3136	19.03	17.00
● MUSB-A311-30	4	PCB with USB Termination	Yes	01M3137	18.82	16.80
● MUSB-A511-00	4	Straight PCB	No	01M6103	7.59	6.78

TYPE A STACKED RECEPTACLES

Mfg. Part No.	Contacts	Mounting	Rear Shield	Stock No.	1-9	10-24
● MUSB-C111-30	4	Right-Angle PCB	Yes	01M3138	7.53	6.72
● MUSB-C211-30	4	PCB with Cable Header	Yes	83K8309	20.00	17.86
● MUSB-C311-30	4	PCB with USB Termination	Yes	84K9966	19.78	17.67

(89563)

FIREWIRE FIELD CONNECTORS
(IEEE 1394a-2000)

Amphenol Pcd



Firewire Field Connectors

USB Field Connectors

Firewire Field (IEEE 1394a-2000) are IP67 (waterproof for up to one hour in a meter of fluid) and MIL Circular DTL-38999 Series III harsh environment connectors. The quick tool-free solution does not require termination or costly assembly. These snap-on solutions take any commercial off-the-shelf Firewire or USB 1.1 or 2.0 connectors and ruggedize them in seconds. Both series are available in jam nut receptacles or 4-hole flange mount styles in nickel plate with mating plugs and caps.

FIREWIRE FIELD CONNECTORS

Mfg. Part No.	Description	Stock No.	Price Each 1-9
● FWFTV6N	Metal Threaded Plug, Nickel	36K2885	70.59
FWFTV6G	Metal Threaded Plug, Green	73K0935	97.42
● FWFTV21N	Metal Threaded Square Flange Receptacle to IEEE 1394 Receptacle, Nickel	36K2884	50.34
FWFTV21G	Metal Threaded Square Flange Receptacle to IEEE 1394 Receptacle, Green	73K0932	73.24
● FWFTV22N	Metal Threaded Square Flange Receptacle to Solder Board (6 Tined Holes), Nickel	73K0934	44.92
FWFTV22G	Metal Threaded Square Flange Receptacle to Solder Board (6 Tined Holes), Green	73K0933	72.46
● FWFTV71N	Metal Threaded Jam Nut Receptacle to IEEE 1394 Receptacle, Nickel	36K2886	52.16
FWFTV71G	Metal Threaded Jam Nut Receptacle to IEEE 1394 Receptacle, Green	73K0938	86.22
● FWFTV72N	Metal Threaded Jam Nut Receptacle to Solder Board (6 Tined Holes), Nickel	73K0940	82.85
FWFTV72G	Metal Threaded Jam Nut Receptacle to Solder Board (6 Tined Holes), Green	73K0939	85.44

USB FIELD CONNECTORS

● USBFTV6N	Metal Threaded Plug, Nickel	20J4062	52.32
USBFTV6G	Metal Threaded Plug, Green	20J4061	87.78
● USBFTV21N	Metal Threaded Square Flange Receptacle to USB-A Receptacle, Nickel	20J4058	38.84
USBFTV21G	Metal Threaded Square Flange Receptacle to USB-A Receptacle, Green	20J4057	65.98
USBFTV22G	Metal Threaded Square Flange Receptacle to Solder Board (4 Tined Holes), Nickel	20J4059	65.28
● USBFTV22N	Metal Threaded Square Flange Receptacle to Solder Board (4 Tined Holes), Green	20J4060	62.94
● USBFTV71N	Metal Threaded Jam Nut Receptacle to USB-A Receptacle, Nickel	20J4065	45.98
USBFTV71G	Metal Threaded Jam Nut Receptacle to USB-A Receptacle, Green	20J4064	45.12

ACCESSORIES

● FWFTVC6N	Firewire Metal Dust Cap For Plugs, Nickel	27M3402	44.88
FWFTVC6G	Firewire Metal Dust Cap For Plugs, Green	22M0166	45.66
● FWFTVC2N	Firewire Metal Dust Cap For Square Flange Receptacles, Nickel	22M0165	43.19
FWFTVC2G	Firewire Metal Dust Cap For Square Flange Receptacles, Green	85K8700	44.79
● FWFTVC7N	Firewire Metal Dust Cap For Jam Nut Receptacles, Nickel	27M3403	54.65
FWFTVC7G	Firewire Metal Dust Cap For Jam Nut Receptacles, Green	22M0167	56.29
● USBFTVC6N	USB Field Metal Dust Cap For Plugs, Nickel	20J4053	23.54
USBFTVC6G	USB Field Metal Dust Cap For Plugs, Green	20J4052	45.66
● USBFTVC2N	USB Field Metal Dust Cap For Square Flange Receptacles, Nickel	20J4051	26.36
USBFTVC2G	USB Field Metal Dust Cap For Square Flange Receptacles, Green	09J5784	44.79
● USBFTVC7N	USB Field Metal Dust Cap For Jam Nut Receptacles, Nickel	20J4055	33.35
USBFTVC7G	USB Field Metal Dust Cap For Jam Nut Receptacles, Green	20J4054	56.29
● USBFKEY1024B	USB Field Key 1024MB Key Included, Black Plating	39M5599	231.72
● USBFTVKEY6A0256BCAP	USB TV Field Key 256MB Key Included, Black Plating with Cap	39M5600	218.89
● USBFTVKEY6A0512BCAP	USB TV Field Key 512MB Key Included, Black Plating with Cap	39M5601	237.58
● USBFTVKEY6A1024B	USB TV Field Key 1024MB Key Included, Black Plating	39M5602	246.85
● USBFTVKEY6A1024BCAP	USB TV Field Key 1024MB Key Included, Black Plating with Cap	39M5603	282.32
● JE15	Panel Gasket For Square Flange Receptacles	20J3673	1.78

➤ CONTINUED ➤

I/O CONNECTORS

FIREWIRE FIELD CONNECTORS (IEEE 1394a-2000) (CONT.)

TOOLS

Mfg. Part No.	Description	Stock No.	Price Each
FWFODE	Firewire Field Insert Removal Tool	36K2883	31.18
USBFODE	USB Field Insert Removal Tool	20J4050	29.70

(84977)

USB B SEALED FIELD CONNECTORS



Amphenol Pcd



USB-B connectors are sealed to IP67 standards. USB-B male plug is overmolded on USB2.0 cable. Plastic shell. Thread coupling. USB-B female receptacle has 5 contacts and can accommodate 50mm wires.

Mfg. Part No.	Cable Length (m)	Description	Stock No.	Price Each
USBBF6100	1	USB-B Plug to USB-B Plug Cordset	93K7842	26.85
USBBF6200	2	USB-B Plug to USB-B Plug Cordset	72K7546	28.86
USBBF7	...	USB-B Jam Nut Receptacle	72K7544	22.90

ACCESSORY

USBBFC7	...	USB-B Dust Cap For Jam Nut Receptacles	93K7841	6.98
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(88881)

IP68 USB BUCCANEER CONNECTORS



B BULGIN

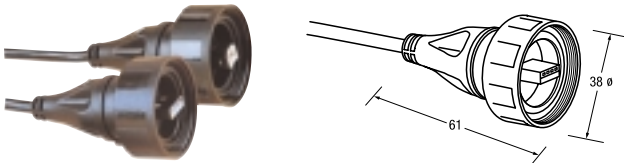


Fig. 1



Fig. 2

Fig. 3

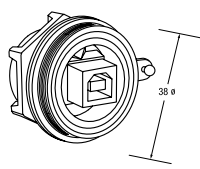


Fig. 4

Fig. 5

Designed to conform to the latest USB version 2 specification. Dust and waterproof to IP68 when mated. Data rates up to 480Mbps. Hot pluggable, standard 4-pole USB interface. Cable connectors feature PVC black cable jacket. Panel Connectors feature single-hole fixing and are front panel sealed to IP68. Opposite connector at rear of adapter. Mounting hole diameter is 27.5mm (plus keyway).

CABLE CONNECTORS - IP68 "A" TYPE USB TO STANDARD "B" TYPE USB

Mfg. Part No.	Fig.	Length (m)	Stock No.	Price Each
PX0840/A/2M00	1	2	86H3241	8.25
PX0840/A/3M00	1	3	09J1550	10.20
PX0840/A/5M00	1	5	92H7327	13.55

CABLE CONNECTORS - IP68 "B" TYPE USB TO STANDARD "A" TYPE USB

PX0840/B/2M00	1	2	26M8307	8.25
PX0840/B/3M00	1	3	09J1551	10.20
PX0840/B/5M00	1	5	92H7329	13.55

CABLE CONNECTORS - IP68 "A" TYPE USB TO IP68 "B" TYPE USB

PX0841/AB/2M00	1	2	86H3161	13.28
PX0841/AB/3M00	1	3	09J1552	15.65
PX0841/AB/5M00	1	5	92H7328	21.37

➤ CONTINUED ➤

IP68 USB BUCCANEER CONNECTORS (CONT.)

FRONT PANEL MOUNT CONNECTORS

Mfg. Part No.	Fig.	Description	Rear Seal Type	Stock No.	Price Each
PX0842/A	2	IP68 "A" type USB	Standard B	86H3159	9.30
PX0842/B	2	IP68 "B" type USB	Standard A	86H8971	9.30
PX0843/A	3	"IP68 "A" type USB"	5-way Crimp	16M5084	10.62
PX0843/B	3	"IP68 "B" type USB"	5-way Crimp	06M6157	10.62

REAR PANEL MOUNT CONNECTORS

PX0845/A	4	"IP68 "A" type USB"	Direct mount PCB contact	83K8205	10.62
PX0845/B	4	"IP68 "B" type USB"	Direct mount PCB contact	83K8207	10.62

ADAPTER LEADS - 100mm LEAD LENGTH

Mfg. Part No.	Fig.	Description	Stock No.	Price Each
14193	5	USB "A" type to 5-way crimp	09J1555	3.09
14194	5	USB "B" type to 5-way crimp	09J1556	3.09
14191	5	5-way PCB header - straight	09J1553	0.21
14192	5	5-way PCB header - right angle	09J1554	0.26

SEALING CAPS

PX0835	...	Cap to fit cable connectors	25H6702	1.73
PX0733	...	Cap to fit panel connectors	48F2467	1.03

(80143)

IP68 USB BUCCANEER BLUETOOTH ADAPTER

Just Added

B BULGIN

- Dust and waterproof to IP68 EN60529 when mated
- Bluetooth V1.1 and V1.2
- Output power: 100mW (Class I); 2.5 mW (Class II)
- Transmission range max.: 100m
- Built in antenna to maintain enclosure integrity
- Mates with USB Buccaneer 565-0091, PX0843/A and PX0845/A
- Windows XP recognized, other operating systems supported
- 2.4GHz ISM band



Primarily designed for harsh industrial environments where the flexibility of a wireless connection is required. Bluetooth Buccaneer is an ideal solution where equipment or systems may be portable or the inflexibility of static cabling makes communication difficult or impractical. Provides a robust, secure connection offering an easy to use pluggable wireless device running from standard USB.

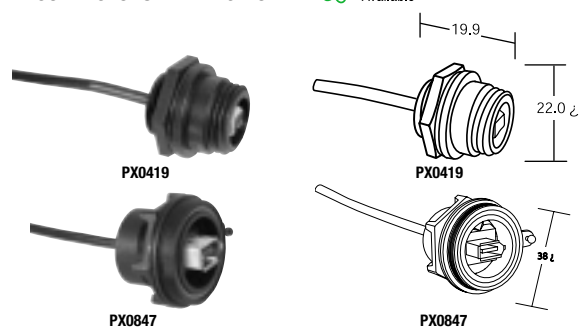
Mfg. Part No.	Description	Stock No.	Price Each
PX0880/1	IP68 USB/Bluetooth Class I	18M2958	69.14 63.99
PX0880/2	IP68 USB/Bluetooth Class II	18M2959	52.87 48.94

(90571)

FIREWIRE BUCCANEER SEALED PANEL CONNECTORS 4- AND 6-POLE



B BULGIN



- Panel connector
- Cable length: 150mm
- 4-pole mates with PX0417 and PX0418
- 6-pole mates with PX0846
- Terminated with crimp header

- Water and dustproof to IP68 when mated
- Data rates up to 400Mbps
- Screw coupling for secure connection
- Temperature range: 0°C to +70°C

Mfg. Part No.	Description	Mtg. Hole Dia. (mm)	Stock No.	Price Each
PX0419	4-pole, with 5 way crimp	16.1	34K3014	11.72
PX0847	6-pole, with 7 way crimp	27.5	34K3020	14.17

(85056)

I/O CONNECTORS

FIREWIRE BUCCANEER SEALING CAPS



BULGIN

- Water and dustproof to IP68 when mated
- 4- and 6-pole versions
- Sealing caps to maintain IP68 rating of unmated connectors



Mfg. Part No.	Description	Stock No.	Price Each
			1-24
● PX0485/BK	To fit 4-pole flex	18M2902	1.33
● PX0480/BK	To fit 4-pole panel mount	18M2901	1.33
● PX0733	To fit 6-pole flex	48F2467	1.03
● PX0835	To fit 6-pole panel mount	25H6702	1.73

(85057)

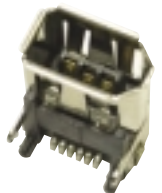
USB AND IEEE 1394 CONNECTORS 690/693/628 SERIES



EDAC

Features

- Right angle, vertical, and a unique right angle vertical foot print available
- Available with through-hole or SMT contact designs
- USB products are compatible with asynchronous and isochronous data transfer methods
- Up to 1.2 Mbps communication speed
- Compatible with industry standard plug and play technology



Meets USB 2.0 specifications. Minimum mating cycles: 1500 per EIA 364-09. Insulator Housing: UL 94V-0 thermoplastic. Contact Material: P Bronze (USB), Copper Alloy (IEEE1394). Contact Plating: 30u Gold plating on mating area. Current Rating: 1 amp maximum Voltage Rating: 30 volts AC rms maximum. Shield Housing: copper alloy.

USB 2.0 CONNECTORS

Mfg. Part No.	Contacts	Description	Stock No.	Price Each
				1-24
● 690-004-621-013	4	Type A, Right Angle	73K4059	0.68
● 690-004-621-023	4	Type B, Right Angle	59K0508	0.76
● 690-004-660-013	4	Type A, Straight	59K0509	0.60
● 690-004-660-023	4	Type B, Straight	07J7041	0.99
● 690-004-661-013	4	Type A, Right Angle	59K0510	0.76
● 690-008-621-013	8	Dual Stack, Type A, Right Angle	59K0511	1.22

IEEE 1394A CONNECTOR

● 693-006-620-003	6	Parallel with board	59K0512	0.86
● 693-006-621-003*	6	Vertical to board	59K0513	5.99

*Unique right angle vertical minimizes board space

CABLE ASSEMBLIES

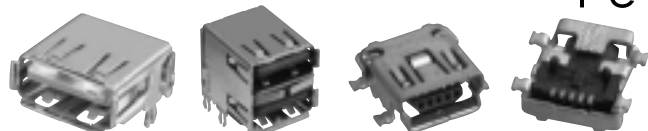
Mfg. Part No.	Cable Length (m)	Description	Stock No.	Price Each
				1-24
● 628-000-906-2	1.8	IEEE 1394A to IEEE 1394A	59K0505	9.95
● 628-000-943	2.0	USB Type A to type B	07J7119	2.78

(79328)

HIGH-SPEED USB RECEPTACLES



AFCI



Style A

Style A Double-Stack

Mini-B

- USB 2.0 Certified -- Up to 480 Mbps
- Plug-and-Play
- Hot Pluggable
- Simple, Flexible Design

- Current Rating: 1 A
- Withstanding Voltage: 30 Vrms
- PC Board Thickness: 1.57 mm
- USB Compliant

Designed to combine all personal computing interface ports into one connector. Handles serial data rates 1.5 Mbps to 12 Mbps asynchronous and isochronous. Ideal for desktop and laptop PCs, printers, plotters, disk drives, servers, CDs, monitors, televisions, digital cameras, ISDN and PBXs. High-temperature thermoplastic housing, rated UL 94-V-0. Copper alloy shell and contacts.

Mfg. Part No.	Style	Description	Stock No.	Price Each
				1-9
87583-0010B*	A	4-Pin Right-Angle, Surface Mount	35C4200	0.72
● 87583-0010BLF*	A	4-Pin Right-Angle, Surface Mount	43K5517	0.71
● 73725-0010BLF	A	5-Pin Upright, Side Mount Flag, Thru-Hole	06M2055	0.81

➔ CONTINUED ➔

HIGH-SPEED USB RECEPTACLES (CONT.)

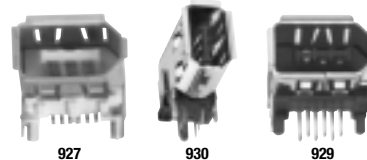
Mfg. Part No.	Style	Description	Stock No.	Price Each
● 73725-0010BLF	A	5-Pin Upright, Side Mount Flag, Thru-Hole	06M2055	0.81
● 72309-8014BLF	A	8-Pin Right-Angle, Double-Stack, Thru-Hole	06M1952	1.29

*With thru-hole mounting claw and sensing pin (68885)

HIGH-SPEED SERIAL BUS IEEE 1394 SOCKETS AND PLUG

KEYSTONE

An ISO 9001 Certified Company



927

930

929

Ideal for superfast data transfer, daisy chaining, port expansion, wide bandwidth, hot swapping, standard digital interfacing and simple connections. Feature phosphor-bronze shell with thermoplastic insulator, rated UL94V-0. Contacts are phosphor-bronze with gold flash over nickel plating in contact area for low contact resistance and excellent reliability; tin lead over nickel on solder tails for excellent solderability. High-speed sockets have snap-in PC tails to hold connector in position for soldering. Choice of horizontal surface mount, upright thru-hole mount or horizontal thru-hole mount. Voltage rating: 30VAC (RMS). Contact current rating: 1A DC max. Contact resistance: 15mΩ. Modular plug allows for easy and fast assembly. Contact resistance: 30mΩ max. Insulation resistance: 1000 MΩ min. Withstanding voltage: 500V ±50VDC.

Mfg. Part No.	Description	Stock No.	Price Each
			1-9
● 927	Horizontal Surface Mount Socket	58K3265	12.16
● 930	Upright Thru-Hole Mount Socket	58K3266	9.89
● 929	Horizontal Thru-Hole Mount Socket	59K0542	10.14
● 928	Plug	59K0541	8.26

(48383)

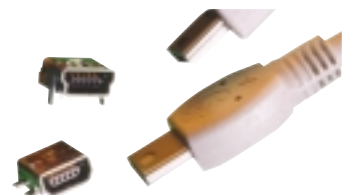
USB ON-THE-GO CONNECTORS



molex

- Compact size for space savings
- Operates at speeds up to 480Mbps
- Fully shielded for EMI/RFI protection
- 5000 cycles for rugged durability
- Receptacles offered in SMT, thru hole, right-angle and vertical for design flexibility
- Full range of standard connectors and cables
- Short-body version for space savings

Enable mobile devices such as digital cameras, PDAs, audio players, printers and cellular phones to exchange data directly without the need for a host PC. Compatible with the On-The-Go supplement (Rev. 1.0) to the USB 2.0 specification. Also enables mobile products to become "dual-role" devices, serving as either host or peripheral.



MINI-AB PCB RECEPTACLES

Mfg. Part No.	Body Style	Shell Type	Tail Type	Stock No.	Price Each
					1-24
56579-0519.	Right-Angle	Thru Hole	Thru Hole	59J0987	2.55
● 56579-0576	Right-Angle	Thru Hole	Surface Mount	25M4775	3.22

MINI-B PCB RECEPTACLES

54819-0588	Right-Angle	Thru Hole	Surface Mount	07J2471	1.20
● 54819-0519	Right-Angle	Thru Hole	Thru Hole	18M8183	1.98
● 54819-0572	Right-Angle	Surface Mount	Surface Mount	59J0791	1.37
● 67503-1020	Right-Angle	Surface Mount	Surface Mount	64K2160	1.03
● 54819-0589	Right-Angle	Thru Hole	Surface Mount	84K7542	1.48
● 56579-0519	Vertical	Thru Hole	Thru Hole	20M7443	2.55
● 500075-1517	Vertical	Thru Hole	Thru Hole	58J9116	4.51

(79299)

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(94660)

I/O CONNECTORS

UNIVERSAL SERIAL BUS (USB)
SHIELDED I/O RECEPTACLE

- Voltage: 30V
- Current: 1.0A
- Contact Resistance: 30mΩ max.
- Dielectric Withstanding Voltage: 750V AC
- Insulation Resistance: 1000 MΩ min.
- Operating Temperature: 0 to +40°C

67643 series type "A" receptacle is single right angle, kinked, with metal shell and back-shield that provides all round EMI/RFI shielding. 4 circuits. Contact phosphor bronze metal shell copper alloy, housing glass fiber-filled polyester, UL 94V-0. UL listed, CSA certified. **67608 series** is similar, but type "B".

TYPE "A" RECEPTACLE

Mfg. Part No.	Description	Housing Color	Plating	Stock No.	Price Each
● 67643-0980	Thru-hole with upper flange	Black	Gold Flash	20M7445	1.20
● 67643-0930	Thru-hole w/o flange	Black	Gold Flash	20M7444	0.97
● 67643-1931	Thru-hole w/o flange	White	Gold	20M7446	1.16

TYPE "B" RECEPTACLE

Mfg. Part No.	Housing Color	Plating	Stock No.	Price Each
● 67068-8000	Black	Gold Flash	43K5124	1.35
● 67068-7041	Black	Gold	79K1762	1.53
● 67068-9000	White	Gold Flash	42K5319	1.42
● 67068-8011	White	Gold	84K7543	2.18
● 67068-8001	Black	Gold	44K0355	1.91
● 67265-2000	Black	Gold Flash	56K5735	1.44

USB CABLE ASSEMBLIES

Mfg. Part No.	Description	No. of Positions	Length (ft.)	Stock No.	Price Each
● 88728-3400	USB Type A Male to Pigtail	4	6.82	59J1945	4.45
● 88732-9200	USB Type A Male to USB Type B Male	4	6.86	01J2381	5.04

IEEE 1394 SHIELDED I/O CABLE
ASSEMBLY PLUG AND PCB SOCKETS

- Current: 0.5-1.5A
- Voltage: 40V
- Withstanding Voltage: 500VAC

- Contact Resistance: 50mΩ max.
- Insulation Resistance: 100MΩ min.
- Temperature Range: -40°C to +85°C

59233 series 6-circuit to 6-circuit IEEE 1394 cable assembly connects 1394-1995 and 1394a receptacles. Latching type, transmits data at speeds up to 400 Mbps, active latch provides positive lock to mating connector, metal shielding for ESD protection. Contact phosphor bronze 30μ" gold plating, wire insulation diameter 1.00mm (.039") - 1.20mm (.047"), cable outside diameter 5.80mm (.228"), cable length 3.5m (11.375 ft). Mates with **53462**, **53460** and **54030 series** PCB sockets.

2.00 mm (.079") and 0.80 mm (.031") SHIELDED CABLE

Mfg. Part No.	Description	Positions	Length (m)	Stock No.	Price Each
● 59233-7002	One end 1394A, the other 1394-1995	6	3.5	66K9883	93.99

2.00 mm (.079") and 0.80 mm (.031") I/O PCB SOCKET

Mfg. Part No.	Positions	Configuration	Description	Stock No.	Price Each
● 53462-0629	6	IEEE 1394-1995	Right Angle, Upright, Kinked Solder Tabs	02M2107	3.16
● 53460-0629	6	IEEE 1394-1995	Right Angle, Flat, SMT	84K7541	2.40

0.80 mm (.031") I/O PCB SOCKET

Mfg. Part No.	Positions	Configuration	Description	Stock No.	Price Each
● 54030-0471	4	IEEE P1394a	Right angle	59J0642	0.93



USB AND FIREWIRE (IEEE 1394) ADAPTERS



USB and firewire adapters are ideal for audio networking and integration of digital equipment into audio systems. The USB adapter has a reversible USB gender changer type USB-A and USB-B. The firewire adapter is a feed-thru that has a six pole receptacle at each end. Both adapter styles are built into a universally accepted standard Neutrik "D" series housing.



Fig. 1



Fig. 2

USB ADAPTERS (REVERSIBLE)

Mfg. Part No.	Fig.	Description	Housing Finish	Stock No.	Price Each
● NAUSB	1	USB-A-USB-B	Nickel	33K4278	5.93
● NAUSB-B	1	USB-A-USB-B	Black	33K4279	6.35

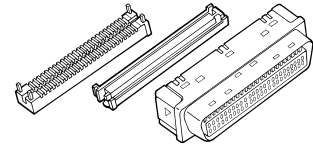
FIREWIRE ADAPTERS

Mfg. Part No.	Fig.	Description	Housing Finish	Stock No.	Price Each
● NA1394-6	2	6-Pole Firewire Adapter	Nickel	33K4280	8.57
● NA1394-6-B	2	6-Pole Firewire Adapter	Black	33K4281	9.02

(84883)

0.050" MINI D RIBBON
WIRE MOUNT PLUGS

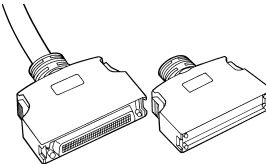
- Shielded I/O Plugs
- Ribbon-Style Contacts
- Contact Plating: 30μ" Gold, Rated MIL-G-45204, Type II, Grade C
- Current Rating: 1A
- Withstanding Voltage: 500Vrms
- Color: Black
- UL Recognized, CSA Certified



High-performance insertion/withdrawal cycles. Recommended for termination to twisted pair of flat cable with max conductor OD of 0.027" ±0.003"; order separately on pages 1050 and 1052-1053. Order connector tools separately on page 672. A variety of junction shells are available; order separately on pages 693-694.

Mfg. Part No.	Contacts	Stock No.	Price Each
● 10114-6000EC	14	94C2698	4.87
● 10120-6000EC	20	91F4890	5.04
● 10126-6000EC	26	52F7593	5.20
● 10136-6000EC	36	52F7595	6.24
● 10140-6000EC	40	91F4891	7.82
● 10150-6000EC	50	52F7594	6.89
● 10168-6000EC	68	52F7596	7.08
● 10180-6000EC	80	91F4892	8.59
● 101A0-6000EC	100	91F4893	10.22

(8461)

MINI DELTA RIBBON
(MDR) JUNCTION SHELLS

- Plastic Shells Over Metal
- EMI Shield Plates
- Provides EMI/ESD Protection
- Straight Cable Exit
- Squeeze to Release Latches
- Color: Beige



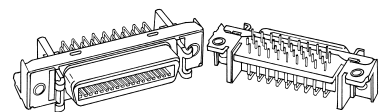
Compatible with **101XX-6000EC** MDR (Mini D Ribbon) plugs; ordered separately on this page. Also available in dark gray and medium gray; go online or call.

Mfg. Part No.	Positions	Stock No.	Price Each
● 10314-3210-000	14	91F4887	5.83
10320-3210-000	20	91F4888	5.05
10326-3210-000	26	52F7597	5.16
10336-3210-000	36	88F2181	5.26
● 10340-3210-000	40	91F4889	5.96
10350-3210-000	50	52F7599	5.42
10368-3210-000	68	52F7600	5.55

(8462)

0.050" MINI DELTA RIBBON,
BOARD MOUNT, RIGHT-ANGLE
RECEPTACLES

- Board mount, thru-hole, right-angle, shielded, I/O receptacles
- SMT compatible PCT insulator
- Ground lock board retention available
- Ribbon-style copper alloy contacts
- Latch hook
- 36-position used for IEEE 1284-C interface
- 20- and 26-position used for LCD interface
- Temperature rating: -55°C to 105°C



Current rating: 1A. Insulation resistance: $5 \times 10^8 \Omega$ @ 500VDC. Withstanding voltage: 500Vrms for 1 minute. UL recognized, CSA certified.

➤ CONTINUED ➤

I/O CONNECTORS

0.050" MINI DELTA RIBBON, BOARD MOUNT, RIGHT-ANGLE RECEPTACLES (CONT.)

Mfg. Part No.	Contacts	Stock No.	Price Each
			1-9
● 10220-55G3PC	20	93K6330	3.73
● 10226-55G3PC	26	93K6331	4.04
● 10236-55G3PC	36	93K6333	4.43
● 10240-55G3PC	40	93K6334	5.50
● 10250-55H3PC	50	69K7227	5.20
● 10268-55H3PC	68	69K7228	6.76

(8524)

0.050" MINI DELTA RIBBON BOARD MOUNT STRAIGHT RECEPTACLES

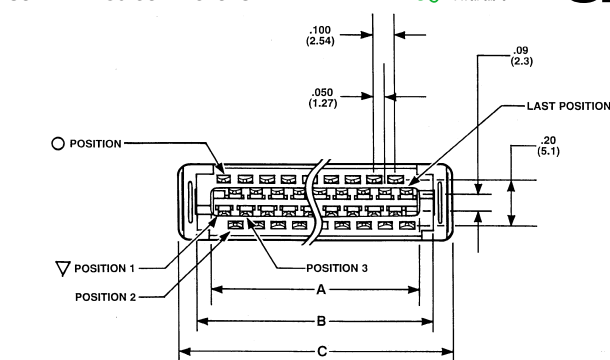
- Board mount, thru-hole, vertical, shielded, I/O receptacles
- Rugged die-cast metal stand
- Ribbon-style contacts
- Reliable plugging and unplugging
- 36-position used for IEEE 1284-C interface
- Temperature rating: -55°C to 105°C

Current rating: 1A. Insulation resistance: $>5 \times 10^8 \Omega$ @ 500VDC. Withstanding voltage: 500Vrms for 1 minute. Body: zinc with nickel plating; shroud: steel with nickel plating; insulation: glass-reinforced polyester. Color: black. UL recognized, CSA certified.

Mfg. Part No.	Contacts	Stock No.	Price Each
			1-9
● 10214-6212PC	14	93K6329	4.46
● 10220-6212PC	20	74K4076	7.24
● 10226-6212PC	26	93K6332	4.84
● 10236-6212PC	36	36K2821	4.99
● 10240-6212PC	40	93K6335	5.20
● 10250-6212PC	50	83K0558	5.52
● 10268-6212PC	68	69K7229	6.45
● 10268-6212PC	68	69K7229	6.45
● 10280-6212PC	80	93K6336	8.70
● 102A0-6212PC	100	93K6328	9.29

(8459)

0.050" MINI DELTA RIBBON, SOLDER PLUG CONNECTORS



- Solder Plug Shielded I/O Connectors
- No Special Tooling Required
- Ribbon-Style Contacts
- Reliable Repetitive Plugging/Unplugging

Accept a wide variety of 24-30 AWG discrete wire cable; order separately on page 1049. Copper alloy contacts. Current rating: 1A. Insulation resistance: $5 \times 10^8 \Omega$ @ 500VDC. Withstanding voltage: 500Vrms for 1 minute. Temperature rating: -55°C to +105°C. UL recognized.

Mfg. Part No.	Contacts	Dimensions (Inches)			Stock No.	Price Each	
		A	B	C		1-9	10-24
● 10114-3000PE	14	0.300	0.54	0.72	80K6509	6.16	5.63
● 10120-3000PE	20	0.450	0.69	0.87	69K7225	6.70	6.12
● 10126-3000PE	26	0.600	0.85	1.02	80K6510	7.49	6.84
● 10136-3000PE	36	0.850	1.09	1.27	69K7226	7.95	7.26
● 10140-3000PE	40	0.950	1.19	1.37	80K6511	8.32	7.60
● 10150-3000PE	50	1.200	1.44	1.62	93K6327	8.99	8.21

(68337)

MINI DELTA RIBBON (MDR) JUNCTION SHELLS



3M

RoHS Compliant Available

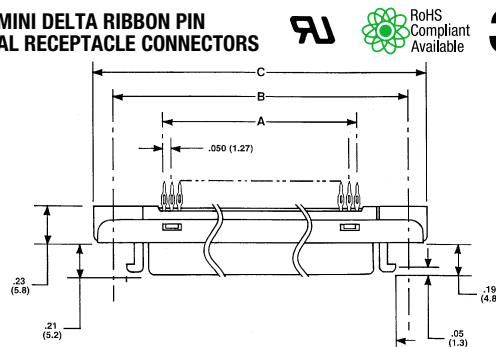
- 2-Piece Polyester Backshell
- Round Straight Cable Exit
- Reliable Metal Strain Relief
- Quick Release Metal Latches

Compatible with 3M mfg. part nos. 101XX-3000PE MDR (Mini D Ribbon) solder plugs; ordered separately on this page. Feature durable 2-piece glass reinforced polyester with ground strap. Color: black.

Mfg. Part No.	Positions	Stock No.	Price Each
			1-9
● 10314-52F0-008	14	18C3888	6.99
● 10320-52F0-008	20	50B8703	7.20
● 10326-52F0-008	26	50B147	7.41
● 10336-52F0-008	36	90B8573	7.49
● 10340-55F0-008	40	73H3464	6.04
● 10350-52F0-008	50	50B8704	7.70

(60670)

0.050" MINI DELTA RIBBON PIN VERTICAL RECEPTACLE CONNECTORS



- Ribbon-Style Contacts
- 30µ" Gold Plating in Wiping Area
- High-Density 0.050" Spacing
- Metal Shielded Body
- Compliant Pins for Easy PC Board Insertion
- 36-position used for IEEE 1284-C interface

Copper alloy contacts. Current rating: 0.5A. Insulation resistance: $5 \times 10^8 \Omega$ @ 500VDC. Withstanding voltage: 500Vrms for 1 minute. Temperature rating: -20°C to +85°C. UL recognized.

Mfg. Part No.	Contacts	Dimensions (Inches)			Stock No.	Price Each	
		A	B	C		1-9	10-24
● 10214-R21TS	14	0.300	.93	1.16	31C8573	8.70	7.95
● 10226-R21TS	26	0.600	1.23	1.46	31C8574	8.74	7.98
● 10236-R21TS	36	0.850	1.48	1.71	02J8210	9.20	8.40
● 10240-R21TS	40	0.950	1.58	1.81	81H8123	9.36	8.55
● 10250-R21TS	50	1.200	1.83	2.06	31C8576	9.88	9.03
● 10268-R21TS	68	1.650	2.28	2.51	02J8211	10.90	9.96
● 10280-R21TS	80	1.950	2.58	2.81	81H8133	14.86	13.57

(68338)

MINI DELTA RIBBON (MDR) CAMERA LINK CABLE ASSEMBLY

RoHS Compliant Available

3M

- Support new Industrial CAMERA LINK STANDARD for camera to frame grabber communications
- High Speed Digital Data Transmission System
- Voltage Rating: 30V
- Current Rating: 1A
- Conductor Size: 28 AWG Stranded
- Withstanding Voltage: 350 Vrms for 1 minute
- Wiping Area: 30 micro" (0.76 µm) Min. Gold
- Temperature Rating: -20°C to +75°C
- Capable of mating with all 3M MDR boardmount receptacles



Insulation resistance 1×10^8 ohms at 100 Vdc. Individually shielded twisted pairs. Characteristic impedance 100 ± 10 ohms. Color: parchment/beige. Overmold option: polyvinyl chloride. Rugged MDR ribbon type contact. Rugged thumbscrew retention.

Mfg. Part No.	Number of Positions	Cable Length	Stock No.	Price Each
				1-4
● 14T26-SZLB-100-OLC	26	1	19M8470	74.22
● 14T26-SZLB-200-OLC	26	2	19M8471	85.00
● 14T26-SZLB-300-OLC	26	3	19M8472	95.80
● 14T26-SZLB-500-OLC	26	5	26M8323	106.20
● 14T26-SZLB-A00-OLC	26	10	20M7060	171.36

0.050" Mini D Ribbon (MDR) Connectors, Boardmount Sockets Fully Shielded

Copper alloy contact material. Current rating 1A. Temperature rating -55°C to 105°C. Withstanding Voltage 500Vrms @ sea level. Insulation resistance 5×10^8 ohms @ 500 Vdc. Glass filled polyester insulation material. Dual row.

➤ CONTINUED ➤

I/O CONNECTORS

MINI DELTA RIBBON (MDR)
CAMERA LINK CABLE ASSEMBLY (CONT.)

Mfg. Part No	Contacts	Description	Stock No.	Price Each
				1-4
N10226-52B2VC	26	Boardmount, Thru-hole, Right-angle socket	23H0031	6.21
● 10226-2200PE	26	Surface mount, Vertical receptacle	14M7492	6.84
● 10226-1A10PE	26	Surface mount, Right-angle socket	88K1647	4.50
10226-55G3VC	26	Boardmount, Thru-hole Right-angle socket	52F7589	4.04
10226-6212VC	26	Boardmount, Thru-hole Vertical Socket	52F7585	4.84

3M Mini D Ribbon (MDR) Connectors, Boardmount Accessories
0.050" I/O Mounting Hardware Jacksokets

Mfg. Part No.	Length (mm)	Stock No.	Price Each
			1-24
● 3342-1	5.6	19M8486	1.53
● 3341-31	14.0	36C2625	1.44
● 3341-32	18.0	90H0288	1.68

(77898)

AMP-LATCH UNIVERSAL INPUT/
OUTPUT PIN CONNECTORS

- 1.27 (.050) centerline ribbon cable
- Phosphor bronze contacts
- Gold (30) over nickel plating



Just Added



Mfg. Part No.	Positions	Width (inches)	Stock No.	Price Each	
				1-9	10-99
● 1-111446-4	10	1.072	79K3852	6.13	2.94
● 1-111446-5	14	1.272	80K0987	12.95	6.22
● 1-111446-6	16	1.372	88K1642	6.86	3.30
● 1-111446-8	20	1.572	39M5446	7.35	3.53

(93046)

CHAMP® 0.8mm HIGH-DENSITY CONNECTORS

- Panel Attachment
- Mating Connector Screw Lock
- For Ribbon Cable, Centerline Spacing 0.050" (1.27mm)
- Screw Size: 6-32
- Thermoplastic Housing
- Gold/Nickel Over Copper Alloy Contacts



68-position right-angle PC board connector features EMI shielding and thru-hole leads with boardlocks. This high-density, high-profile I/O receptacle assembly is used for the following applications: notebook and sub-notebook computers, pen-based computers, personal data assistance devices and cellular phone digital input/output. Order screwlock and latching post separately below.

0.8mm HIGH-DENSITY CONNECTOR

Mfg. Part No.	Description	Stock No.	Price Each		
			1-9	10-24	25-49
● 5787254-3	Right-Angle PC Board Mount	73K1708	11.82	11.25	10.59

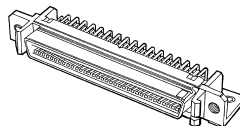
HARDWARE

● 787004-3	Screwlock	83F4516	1.45	1.38	1.30
● 787003-3	Latching Post	18C0435	2.46	2.34	2.20

(60472)

CHAMP® 0.050" SERIES II
RIGHT-ANGLE RECEPTACLES
WITH BOARDLOCKS

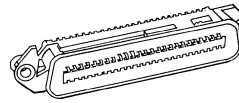
- Panel Attachment
- Centerline: 0.050" (1.27mm)
- PC Board Thickness: 0.062-0.093" (1.57 - 2.36mm)
- Glass-Filled Nylon Housing, Flammability Rated UL94V-0
- Phosphor Bronze Contacts
- 30µ" Gold-Plated Contact Mating Area



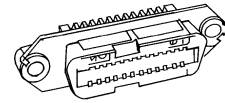
Wire-to-board receptacles feature double-spring contact design to provide interchangeability and conformance to standards. PC board mount right-angle receptacles feature rugged zinc die-cast body.

Mfg. Part No.	Positions	Stock No.	Price Each		
			1-9	10-24	25-49
● 2-5178238-5	36	42K6817	6.78	6.34	5.91
● 2-5178238-7	50	42K6818	10.42	9.75	9.08
● 2-5178238-9	100	73K1621	17.92	16.77	15.62

(61075)

0.085" CHAMP®
IDC CONNECTORS

Plug



Receptacle

Insulation displacement connectors terminate unstripped solid and 7-strand wire, multiconductor cable, and ribbon and laminated cable. Accommodate wire with soft insulation types in diameters to 0.045" (1.14). For cable-to-cable and cable-to-panel connector applications. Requires one bail or screw lock hardware kit per assembly; order separately on page 697. UL recognized, CSA certified.

INSULATION DISPLACEMENT SCREW LOCK PLUGS

Mfg. Part No.	Positions	AWG	Width	Stock No.	Price Each			
					1-24	25-99	100-499	500-999
● 552300-1	14	22	1.750"	46F1592	5.11	4.26	3.30	2.74
● 552301-1	24	22	2.175"	46F1595	8.78	7.32	5.67	4.71
● 552173-1	50	22	3.280"	46F1603	2.83	2.57	2.34	2.18
● 552303-1	64	22	3.875"	87F6575	4.52	4.10	3.76	3.48
● 552282-1	14	24-26	1.750"	46F1621	3.51	3.19	2.93	2.71
● 552283-1	24	24-26	2.175"	82F9842	4.31	3.93	3.59	3.32
● 229974-1	50	24-26	3.280"	46F1630	2.28	2.07	1.89	1.75
● 552390-1	50	26-28	3.280"	82F9844	2.79	2.53	2.32	2.15

INSULATION DISPLACEMENT BAIL LOCK PLUGS

● 552272-1	24	24-26	2.175"	46F1623	5.20	4.34	3.36	2.79
● 552274-1	36	24-26	2.685"	46F1627	4.64	3.87	3.00	2.49
● 401500624	50	24-26	3.280"	46F1631	2.27	2.06	1.88	1.74

THICK FLANGE STYLE RS RECEPTACLES

● 552305-1	24	22	2.175"	46F1597	9.06	7.56	5.85	4.86
● 552064-1	50	22	3.280"	46F1605	6.22	5.19	4.02	3.34
● 552312-1	14	24-26	1.750"	46F1622	3.15	2.86	2.62	2.42
● 552313-1	24	24-26	2.175"	46F1624	4.79	4.36	3.99	3.69
● 552314-1	36	24-26	2.685"	46F1628	7.59	6.91	6.33	5.84
● 229975-1	50	24-26	3.280"	46F1632	2.21	2.01	1.84	1.69

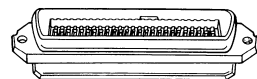
THIN FLANGE STYLE RP RECEPTACLES

● 2-552001-1	50	24-26	3.280"	82F9845	3.68	3.07	2.38	1.97
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(9030)

STANDARD CHAMP®
LATCH CONNECTORS

Receptacle



Plug

Low profile. Fit 26 AWG solid, 28 AWG stranded, 28 or 30 AWG solid copper ribbon cable 0.032-0.045" (0.813-1.14) thick; order separately, go online or call.

Mfg. Part No.	Positions	Lock	Connector	Stock No.	Price Each			
					1-24	25-49	50-99	100-499
● 554084-1	36	Bail	Plug	90F4993	11.83	10.56	8.50	7.71
● 554085-1	50	Bail	Plug	90F4997	10.80	9.64	7.76	7.04
● 553596-1	14	Screw	Plug	90F4147	11.94	10.66	8.59	7.79
● 553599-1	24	Bail+	Receptacle	90F4991	12.10	10.81	8.70	7.89
● 553601-1	36	Bail+	Receptacle	90F4994	12.03	10.74	8.65	7.84
● 553603-1	50	Bail+	Receptacle	90F4981	8.87	7.92	6.38	5.79
● 553598-1	24	Screw	Plug	90F8349	11.41	10.18	8.20	7.44
● 553600-1	36	Screw	Plug	90F8350	20.88	18.64	15.01	13.61
● 553602-1	50	Screw	Plug	90F4998	7.52	6.44	5.47	5.27
● 553599-1	24	Screw+	Receptacle	90F4991	12.10	10.81	8.70	7.89
● 553603-1	50	Screw+	Receptacle	90F4981	8.87	7.92	6.38	5.79
● 554103-1	24	Panel	Plug	90F8352	10.61	9.47	7.63	6.92
● 554105-1	50	Panel	Plug	90F4982	11.05	9.86	7.94	7.20
● 554088-1	24	Panel	Receptacle	90F4992	12.97	11.58	9.33	8.46
● 554089-1	36	Panel	Receptacle	90F4996	16.62	14.84	11.95	10.84
● 554090-1	50	Panel	Receptacle	90F4983	6.54	5.84	4.71	4.27

+ Order correct hardware for bail or screw lock separately below.

HARDWARE KITS

Order one kit per connector assembly except mfg. part no. 229911-1, order two kits.

Mfg. Part No.	Description	Stock No.	Price Each		
			1-24	25-49	50-99
● 5229911-1	Standard Screw Lock, Cable-to-Cable	16M3249	0.06	0.05	0.04
● 403024102	36 and 50 Position, Latch, Cable-to-Cable	90F8369	0.40	0.36	0.29
● 552723-2	14 and 24 Position, Latch, Cable-to-Cable	90F8360	1.30	1.16	0.93
● 5552568-2	Standard Screw Lock, Cable-to-Panel	16M3294	4.82	4.30	3.47

➤ CONTINUED ➤

I/O CONNECTORS

STANDARD CHAMP® LATCH CONNECTORS (CONT.)

Mfg. Part No.	Description	Stock No.	Price Each		
			1-24	25-49	50-99
● 5552567-1	Front Mount Bail Lock 180° Cover	16M3292	2.54	2.26	1.82
552567-2	Front Mount Bail Lock 90° Cover	46F1556	2.18	1.94	1.57
● 5552561-3	Bail Lock, Cable-to-Cable	16M3291	1.93	1.72	1.39
● 5553636-2	Metric Screw Lock, Front Panel Mount, Cable-to-Panel *	16M3295	3.97	3.54	2.85
● 5553636-3	Metric Screw Lock, Rear Panel Mount, Cable-to-Panel *	16M3296	5.13	4.58	3.69
● 554808-1	Rear Mount Shielded Screw Lock, Metric	90F4984	2.01	1.80	1.45

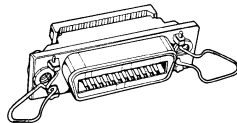
*For IEEE-488 application (8028)

SHIELDED CHAMP® LATCH PANEL MOUNT CONNECTORS



Tyco Electronics

- Panel Attachment
- Mating Connector Screw Lock
- For Ribbon Cable, Centerline Spacing 0.050" (1.27mm)
- Screw Size: 6-32
- Thermoplastic Housing
- Gold/Nickel Over Copper Alloy Contacts



Preassembled Connector

Interface Bus application per IEEE-488.

PREASSEMBLED CONNECTORS

Mfg. Part No.	Positions	Lock	Stock No.	Price Each			
				1-9	10-24	25-49	50-99
● 5554434-1	24	Screw	16M3299	11.76	11.28	10.67	8.67
● 5554436-2†	50	Screw	16M3300	12.92	12.39	11.73	9.53
● 5554346-2	36	Bail	80K7761	11.68	11.20	10.60	8.61
● 554902-1*	50	Bail	90F4989	6.24	5.98	5.66	4.60

LOOSE CONNECTOR WITHOUT HARDWARE

● 5554349-1	24	...	16M3298	11.76	11.28	10.67	8.67
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*SCSI applicable but does not have boss feature; †SCSI with mfg. part no. 554818-2 bail lock hardware kit

HARDWARE KITS FOR PREASSEMBLED SHIELDED CONNECTORS

Mfg. Part No.	Description	Stock No.	Price Each		
			1-24	25-49	50-99
● 554808-1	Metric Screw Lock, Rear Panel Mt.+	90F4984	2.01	1.80	1.45

HARDWARE KITS FOR LOOSE PIECE SHIELDED CONNECTORS

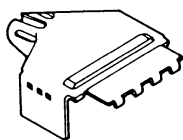
● 5553636-2	Metric Screw Lock, Front Panel Mt.++	16M3295	3.97	3.54	2.85
● 5553636-3	Metric Screw Lock, Rear Panel Mt.++	16M3296	5.13	4.58	3.69

+For 24-position; ++For IEEE-488 application (8029)

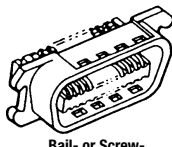
SHIELDED CABLE CONNECTOR KITS



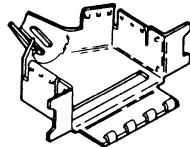
Tyco Electronics



Outside Shield



Bail- or Screw-Lock Assembly



Inside Shield

Kit includes 1 CHAMP® IDC plug (choice of screw- or bail-lock model), 1 outside shield, 1 inside shield. Preloaded contacts available in B-Slot for 24 AWG and 26 AWG solid or 24 AWG 7-strand wire.

SHIELDED PLUG KITS

Mfg. Part No.	Positions	Lock	Slot	Stock No.	Price Each			
					1-24	25-99	100-499	500+
● 554954-2	50	Screw	B	90F4154	7.15	6.40	5.62	4.90
● 554950-2	36	Bail	B	90F8364	10.84	9.70	8.52	7.43

SHIELDED RECEPTACLE KITS

Same as above except includes 1 CHAMP® IDC receptacle (50-position only). For mating with bail lock plugs, order mfg. part no. 552561-6 hardware kit separately; go online or call.

Mfg. Part No.	Positions	Lock	Slot	Stock No.	Price Each			
					1-24	25-99	100-499	500+
● 554955-1	50	Screw/Bail	E	90F8354	7.47	6.69	5.87	5.12
● 554955-2	50	Screw/Bail	B	90F4156	13.90	12.45	10.93	9.53

SHIELDED CABLE COVER KITS

Include 1 top and 1 bottom cover plus 1 strain relief insert. Requires two 4-40 x 0.265" long captive pan head screws per kit. Screws and shielded cable inner ferrules available separately; go online or call.

➤ CONTINUED ➤

SHIELDED CABLE CONNECTOR KITS (CONT.)

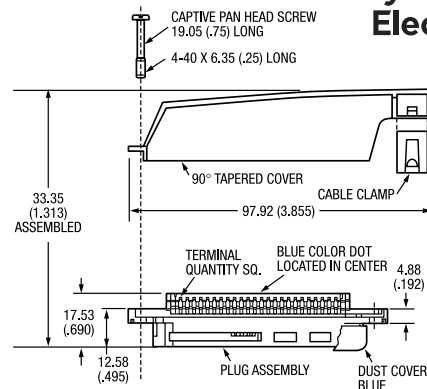
Mfg. Part No.	Positions	Cable	Stock No.	Price Each			
				1-24	25-99	100-499	500+
● 554945-1	36	0.250-0.500"	90F4139	3.74	3.35	2.94	2.56
● 554946-1	50	0.350-0.500"	90F4140	2.74	2.45	2.15	1.88

(8026)

CHAMP® FIELD INSTALLATION 50-POSITION CONNECTOR KITS



Tyco Electronics



- Connector Kit Includes Connector for Indicated Wire Size and Cover
- Thermoplastic Housings and Accessories

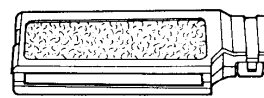
Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	25-99
● 5229912-1	50-Position Cable-to-Cable Plug with Tapered Cover. 24/26 AWG Solid and 24/7 Stranded Wire. Cable Diameter: 0.350-0.425"	16M3250	2.92	2.61
● 5229913-1	Same as mfg. part no. 229912-1 Except Receptacle Instead of Plug	16M3251	2.95	2.64
● 1-5229912-1	Same as mfg. part no. 229912-1 Plus Dust Cover	87K6517	3.12	2.79
● 6-5229912-1	50-Position Wire-to-Cable Plug. 24 AWG, 7 Stranded/Solid Wire. Cable Diameter: 0.350-0.425"	16M3394	2.93	2.62

(8033)

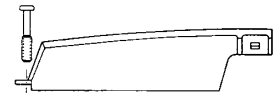
IDC STRAIN RELIEF COVERS



Tyco Electronics



552413-1



552560-1

Constructed of high-impact strength thermoplastic. NOTE: The cable outer diameter (O.D.) range listed below is a guideline. The appropriate strain relief cover depends on cable stiffness, cable packaging and fillers.

90° CABLE ENTRY SNAP-ON STRAIN RELIEF COVERS

Mfg. Part No.	Positions	Cable Outer Diameter	Stock No.	Price Each	
				1-24	25-99
● 552412-1	14	0.185-0.230"	46F1570	4.00	
● 552413-1	24	0.250-0.300"	82F9850	1.29	
● 1-552413-1	24	0.305-0.360"	46F1571	2.46	
● 552414-1	36	0.305-0.360"	46F1572	1.15	
● 552014-1	50	0.340-0.400"	46F1574	1.20	
● 1-552011-1	50	0.315-0.415"	90F4068	0.82	
● 552011-1	50	0.415-0.465"	46F1575	0.54	
● 552731-1	50	0.475-0.540"	87F6569	1.05	
● 552496-1	64	0.410-0.475"	46F1576	1.04	
● 1-552496-1	64	0.475-0.540"	46F1577	1.52	
● 2-552496-1	64	0.540-0.605"	46F1578	1.55	

180° CABLE ENTRY SNAP-ON STRAIN RELIEF COVERS

Mfg. Part No.	Positions	Cable Outer Diameter	Stock No.	Price Each	
				1-24	25-99
● 552079-1	14	0.175-0.220"	19C1762	1.78	
● 2-552079-1	14	0.265-0.310"	46F1558	2.52	
● 552076-1	24	0.230-0.280"	46F1559	1.76	
● 1-552076-1	24	0.280-0.320"	46F1560	2.93	
● 2-552076-1	24	0.320-0.380"	46F1561	2.04	
● 552073-1	36	0.290-0.360"	46F1562	1.93	

➤ CONTINUED ➤

I/O CONNECTORS

IDC STRAIN RELIEF COVERS (CONT.)

180° CABLE ENTRY SNAP-ON STRAIN RELIEF COVERS

Mfg. Part No.	Positions	Cable Outer Diameter	Stock No.	Price Each
				1-24
● 552073-6	36	0.430-0.500"	46F1564	4.09
● 3-552008-1	50	0.330-0.380"	46F1565	2.31
● 2-552008-1	50	0.380-0.430"	46F1566	1.56
● 552008-1	50	0.430-0.490"	46F1567	1.54
● 4-552008-1	50	0.480-0.550"	46F1568	1.82
● 552082-1	64	0.480-0.540"	46F1569	2.23

90° ENTRY TAPERED SLIDE-ON STRAIN RELIEF COVER KIT

Mfg. Part No.	Positions	Cable Outer Diameter	Stock No.	Price Each
				1-24
● 5552560-5	50	0.425-0.500"	16M3290	2.04

(75435)

IDC CONNECTOR FASTENING HARDWARE KITS



Order one lock kit per connector assembly except for mfg. part no. 229911-1, order two kits per assembly.

Mfg. Part No.	Description	Stock No.	Price Each			
			1-24	25-49	50-99	100-499
● 5229911-1	Screw Lock Kit*	16M3249	0.06	0.05	0.04	0.04
● 5552561-3	Bail Lock Plug Kit*	16M3291	1.93	1.72	1.39	1.26
● 5552567-1	Bail Lock Receptacle Kit†	16M3292	2.54	2.26	1.82	1.65
● 5552568-1	Screw Lock Receptacle Kit†	16M3293	2.48	2.21	1.77	1.63

* Cable-to-Cable; † Cable-to-Panel
(8031)

CHAMP® APPLICATION TOOLS

Palm-grip hand tool accepts mfg. part no. 229621-1 50-position connector-holding index slide, ordered separately below, that allows single wire insertion.



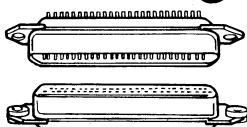
Mfg. Part No.	Description	Stock No.	Price Each
229451-1	Hand Tool	82F9860	170.10
229621-1	Index Slide	82F9862	18.20

(8032)

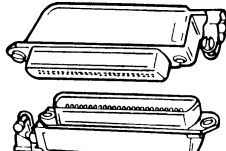
57 SERIES MICRO-RIBBON® SOLDER TERMINATION CONNECTORS



Amphenol Commercial Products



Rack and Panel



Cable-to-Cable

57 series ribbon connectors are ideal for modems, multi-plexers, computers and peripherals, medical equipment, PBX devices and scientific instrumentation, telephone equipment, cash registers, vending machines and similar equipment. Rated: 5A per contact, 70 DC. Operating temperature: -55°C to +105°C. Wire sizes: 22 AWG solid, 24 AWG stranded. UL recognized, CSA certified.

RACK AND PANEL TYPE

Mfg. Part No.	Contacts	Description	Stock No.	Price Each			
				1-24	25-99	100-249	250-499
● 57 10140	14	Male	10M8490	3.73	3.50	2.93	2.71
● 57 20140	14	Female	88K2171	4.92	4.62	3.87	3.57
● 57 10240	24	Male	10M8491	4.10	3.85	3.23	2.98
● 57 20240	24	Female	10M8493	5.06	4.75	3.98	3.67
● 57 10360	36	Male	93K7650	5.38	5.06	4.24	3.91
● 57 20360	36	Female	88K2172	5.84	5.49	4.60	4.24
● 57 10500	50	Male	42F132	4.33	4.07	3.41	3.15
● 57 20500	50	Female	10M8494	6.45	6.06	5.07	4.68

CABLE-TO-PANEL TYPE: TOP CABLE ENTRY

Mfg. Part No.	Contacts	Description	Stock No.	1-24	25-99	100-249	250-499
● 57 30140	14	Male	10M8495	5.86	5.50	4.61	4.25
● 57 40140	14	Female	10M8497	5.10	4.79	4.02	3.70
● 57 30240	24	Male	93K7651	6.70	6.29	5.27	4.86
● 57 40240	24	Female	93K7652	5.25	4.93	4.13	3.81
● 57 30360	36	Male	10M8496	7.47	7.01	5.87	5.42
● 57 40360	36	Female	88K1455	5.84	5.49	4.60	4.24
● 57-30500	50	Male	10M8498	8.20	7.70	6.45	5.95
● 57 40500	50	Female	42F135	6.65	6.24	5.23	4.82

▶ CONTINUED ▶

57 SERIES MICRO-RIBBON® SOLDER TERMINATION CONNECTORS (CONT.)

CABLE-TO-CABLE TYPE: RUNNING CABLE

Mfg. Part No.	Contacts	Description	Stock No.	Price Each			
				1-24	25-99	100-249	250-499
● 57 10500 7	50	Male	10M8492	8.11	7.61	6.38	5.88
● 57 20500 7	50	Female	88K2173	8.38	7.87	6.60	6.08

CABLE-TO-CABLE TYPE RECEPTACLES

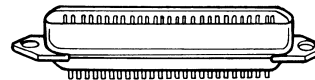
Mfg. Part No.	Contacts	Description	Stock No.	1-24	25-99	100-249	250-499
● 57-60140	14	Female	88K2174	7.37	6.92	5.80	5.35
● 57-60240	24	Female	40F6349	8.48	7.97	6.67	6.16
● 57-60360	36	Female	10M8499	8.14	7.64	6.40	5.91
● 57-60500	50	Female	93K7656	10.60	9.95	8.34	7.69

(8231)

57 SERIES MICRO-RIBBON® PC BOARD CONNECTORS



Amphenol Commercial Products



3

0.100" (2.54MM) STRAIGHT TAIL WITHOUT SPRING LATCH

Mfg. Part No.	Contacts	Description	Stock No.	Price Each			
				1-24	25-99	100-249	250-499
● 57-10500-27	50	Male	02M0387	8.28	7.78	6.54	6.03

CABLE-TO-PANEL CONNECTORS: SCREWLOCK VERSIONS

Mate with right-angle receptacles without spring latch. Top cable entry.

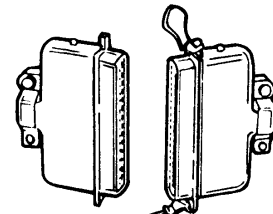
Mfg. Part No.	Contacts	Description	Stock No.	1-24	25-99	100-249	250-499
● 57-32500-1	50	Male	93K7654	11.22	10.54	8.86	8.18

(8232)

157 SERIES MICRO-PIERCE IDC CONNECTORS



Amphenol Commercial Products



Cable-to-Cable

157 series specifications same as 57 series except wire sizes 24 and 26 AWG solid conductor, 26 and 28 AWG stranded conductor. Insulation displacement termination. UL recognized, CSA certified. Order mfg. part no. 356-157 termination tool kit separately below.

CABLE-TO-CABLE PLUGS: TOP CABLE ENTRY 180°

Mfg. Part No.	Contacts	Gender	Stock No.	Price Each			
				1-24	25-99	100-249	250-499
● 157-32140	14	Male	88K2111	3.88	3.65	3.06	2.82
● 157-32240	24	Male	93K7633	6.24	5.86	4.92	4.54
● 157-32500	50	Male	10M8472	7.61	7.15	6.00	5.54

CABLE-TO-CABLE RECEPTACLES: TOP CABLE ENTRY 180°

Mfg. Part No.	Contacts	Description	Stock No.	1-24	25-99	100-249	250-499
● 157-62500	50	Female	88K2112	8.63	8.11	6.80	6.28
● 157-72500-3*	50	Plug	10M8473	7.61	7.15	6.00	5.54
● 157-82500-3*	50	Recept.	93K7634	7.74	7.27	6.10	5.63

*Cable clamp and exit hood contact 1 and 26; +Cable clamp and exit hood contact 25 and 50

1AAT TOOL KIT FOR 157 SERIES CONNECTORS

Mfg. part no. 356-157 1AAT tool kit contains impact handle, blade and holding fixture.

Mfg. Part No.	Description	Stock No.	Price Each
356157	Tool Kit	30C9914	282.00

(8233)

Talk to our team of engineers.

Chat live online with our expert technical team or connect to them by phone. Go online or call us today.

(94668)

I/O CONNECTORS

VHDCI
CONNECTORAmphenol
Commercial Products

VHDCI (Very High Density Cable Interconnect) connectors provide high performance in a compact design. Multiple Lane, fully shielded plugs and receptacles transfer data at up to 80 Gbps total bandwidth meeting EIA700A0AF specifications. The PC board mount receptacle is low-profile, 6mm high connector interfaces. 0.8mm row-to-row pin spacing provides significant board and panel space savings over previous SCSI connectors. Plastics are high-temperature IR compatible. Typical applications include: notebooks, network bridges, routers, hubs, PC workstations, servers, PC peripherals, removable floppy and CD-ROM drives, and next generation SCSI I/Os. Comply with ANSI/SFF8441 standards.

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	25-49
● HE11RAA101	PCB Right Angle Receptacle with Screwlocks	39M0685	5.93	5.43
H11-RDA-1014	PCB Straddle Mount Receptacle without Screwlocks	39M5480	5.72	5.24

(84856)

INFINITY
(4X/12X) SERIES
CONNECTORSAmphenol
Commercial Products

Thumbscrew Receptacle



Receptacle



Screw Lock Plug

INFINITY connectors are Hi Speed I/O Connectors compliant with InfiniBand™, Fiber Channel and Serial Attached SCSI. 4X and 12X series facilitate data speeds up to 75 Gbps total bandwidth, providing superior EMI performance. High density, hot plug-gable, meets SFF-8470 specifications.

Just Added



Lanyard Latch Plug

RECEPTACLES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	
U65-B04-2220T	4X, Thumbscrew without Screws, 30u" Gold	04M0346	7.45	
● U65-B04-5220T	4X, Thumbscrew without Screws, 30u" Gold	04M0356	7.49	
U65-B04-1020-T	4X, Thumbscrew with Standard Screw, 50u" Gold	01M3223	8.23	
U65-E04-1020	4X, Thumbscrew with Standard Screw, 50u" Gold	54J9452	8.47	
● U65-B04-4020	4X, Thumbscrew with Standard Screw, 50u" Gold	04M0349	8.36	
U65-B04-2020T	4X, Thumbscrew with Standard Screw, 30u" Gold	04M0344	8.00	
● U65-B04-5020T	4X, Thumbscrew with Standard Screw, 30u" Gold	04M0353	8.04	
● U65-E04-5020T	4X, Thumbscrew with Standard Screw, 30u" Gold	04M0373	8.23	
U65-E04-1120T	4X, Thumbscrew with Self-Locking Screw, 50u" Gold	04M0363	8.51	
U65-B04-2120T	4X, Thumbscrew with Self-Locking Screw, 30u" Gold	04M0345	8.82	
● U65-E04-5120T	4X, Thumbscrew with Self-Locking Screw, 30u" Gold	04M0375	8.32	
U65-E04-1460T	4X, Lanyard, 50u" Gold	04M0367	8.15	
● U65-E04-4460T	4X, Lanyard, 50u" Gold	04M0371	8.23	
U65-B04-1270T	4X, Lanyard without Lock Plate, 50u" Gold	39M5500	8.28	
U65-E04-1210T	4X, Lanyard without Lock Plate, 50u" Gold	04M0365	7.94	
U65-E04-1260-T	4X, Lanyard without Lock Plate, 50u" Gold	01M3228	7.98	
● U65-E04-4260T	4X, Lanyard without Lock Plate, 50u" Gold	04M0370	8.04	
● U65-B04-4060CT	4X, Lanyard with Lock Plate, 50u" Gold	04M0351	8.49	
U65-F04-1360T	4X, Belly to Belly, Lanyard no Lock Plate, 50u" Gold	04M0383	10.45	
● U65-F04-4360T	4X, Belly to Belly, Lanyard no Lock Plate, 50u" Gold	04M0384	10.51	
U65-E12-1464T	12X, Lanyard, 50u" Gold	39M5501	18.49	
● U65-E12-4464T	12X, Lanyard, 50u" Gold	04M0382	15.45	
U65-B12-1210	12X, Lanyard without Lock Plate, 50u" Gold	04M0359	14.12	
U65-E12-1264-T	12X, Lanyard without Lock Plate, 50u" Gold	01M3229	15.09	
● U65-E12-4264T	12X, Lanyard without Lock Plate, 50u" Gold	04M0381	15.30	

PLUGS

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	
● UE66-L04-2120	4X, 30u" Gold with PCB, Screw Lock with Ferrule	39M5497	16.53	
● UE66-C04-2130	4X, No Insert and No PCB, Lanyard Latch with Ferrule	39M5496	8.70	
● UE66-L04-2130	4X, 30u" Gold with PCB, Lanyard Latch with Ferrule	39M5498	16.74	
● UE66-N04-2130	4X, 50u" Gold with PCB, Lanyard Latch with Ferrule	39M5499	20.03	

➔ CONTINUED ➔

INFINITY (4X/12X) SERIES CONNECTORS (CONT.)

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-9	
● U65-404-40-P	Standard Thumbscrews	01M3230	0.24	
● U65-404-60P	4X Optional Rear Cover	04M0385	0.32	
● U65-412-60-P	12X Optional Rear Cover	01M3233	0.32	

(92276)

9175 SERIES WIRE-TO-BOARD
STRIP IDC CONNECTORS

- Small single row IDC
- Uses both stranded and solid wire (28 or 26 AWG)
- Insulators are end-to-end stackable for higher pin counts



Just Added

9175 series connectors offer the ability to connect individual wires to a single row of contacts using IDC technology. Available as a 2 or 3 pin connector it is low profile and has a small PCB footprint and the connector is SMT assembled to the PC board prior to the assembly of the wire. Using a small application tool, the wires are inserted into the contact slot. This cuts the insulation and enables the individual conductors of the wire to form a homogeneous joint. The shape of the molding also forms a restraint to the wire when fully inserted in the contact. *Order crimp tool separately below.*

IDC CONNECTORS

Mfg. Part No.	No. of Positions	Stock No.	Price Each	
			1-4	5+
● 009175002001006	2	40M7660	0.64	0.61
● 009175003001006	3	40M7661	0.71	0.69

LOW VOLUME HAND INSERTION TOOL

Mfg. Part No.	Wire Size (AWG)	Stock No.	Price Each	
			1-4	
069175700401000	28-26	40M7662	3.16	

(91231)

9257 SERIES REDUCED
SIZE I/O CONNECTORS

Just Added



- No latching required due to the click design of the contacts
- Compact size to optimize PC board space
- Metal outer cover provides integrated PC board location and solder tab
- Positive alignment and orientation of the plug and socket
- 5,000 mating cycles

Applications include cellular phones, handheld devices, industrial modules and medical electronics. Fixed SMT mount socket is designed on a PC board and housed within a portable device. Plug is designed for cable termination with options of single and double sided contacts and customizing the overmold cover or pars can be supplied as connector only for sub contract termination. Socket connector houses 16 contacts in 2 rows. 1.25mm pitch spacing with a rating of 1A per contact.

PLUG

Mfg. Part No.	No. of Positions	Stock No.	Price Each	
			1-4	5+
● 109257016001003	16	40M7672	1.67	1.60

SOCKET

● 209257016001013	16	40M7679	1.24	1.19
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(91226)

9157 SERIES I/O
CONNECTORS

Just Added



- Designed for portable equipment
- Patented 20° angled face on the socket gives self-cleaning face when mated with plug
- Metal latching area integral to socket which saves PC board space
- Integral to socket is a mechanical 50Ω switching coax for SMT termination
- Single sprung plug contact design gives 10,000 mating cycles and cleaning/wiping action



Applications include mobile phones, PDA, medical and docking/charging for any portable device. Fixed SMT socket is designed to be housed within the confined dimensional constraints of the portable device. The plug/cover connector has sprung contacts and is designed for termination to accessory equipment. The connector is designed to house 15 signal contacts on a 1mm pitch rated at 1.5A. There is the option to include a switching RF coax.

➔ CONTINUED ➔

I/O CONNECTORS

9157 SERIES I/O CONNECTORS (CONT.)

PLUGS

Mfg. Part No.	No. of Positions	Stock No.	Price Each	
			1-4	5+
● 109157015000006	15	40M7669	2.19	2.10
● 109157015001006*	15	40M7670	13.21	12.64
● 109157019000006	19	40M7671	3.09	2.96

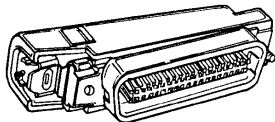
SOCKETS

● 209157015000006	15	40M7676	1.71	1.63
● 209157015001006*	15	40M7677	2.45	2.35
● 209157019000006	19	40M7678	3.73	3.57

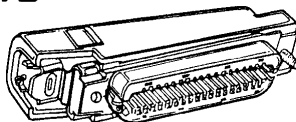
COVER

Mfg. Part No.	Description	Stock No.	Price Each	
			1-4	5+
● 309157970000035	Screw/Press-fit Version for 3.5mm Cable	40M7687	2.32	2.22

*With RF coax switching option
(91223)

SUPERIBBON® 0.085" (2.16) DENSITY COMMERCIAL-GRADE ALL-PLASTIC IDC CONNECTORS


Plug With Hood



Socket With Hood

Designed for cable-end applications. Variation available: InstaLatch mating and square end hood, InstaLatch mating and square end hood, captivated for 4-40 screw and InstaLatch mating with pointed-end hood, screw and dust cover. UL94V-0 rated glass-filled polyester insulation material. Copper alloy contacts with selective gold over copper plating. Current rating: 5A. Operating temperature: -40°C to +120°C. Accept 24-26 AWG solid wire. (†) Denotes 30µ" gold plating. Also available in 14-, 24-, 36- and 64-position versions; go online or call. UL recognized.

PLUG WITH SQUARE END HOOD

Mfg. Part No.	Contacts	H x W x D	Stock No.	Price Each	
				1-24	25-49
● 97-3250-90	50	0.650x3.67x1.30"	12M5720	4.37	3.97

SOCKET WITH SQUARE END HOOD

● 97-4250-90	50	0.650x3.67x1.30"	12M5740	4.53	4.12
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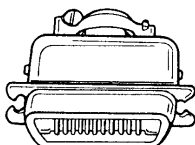
PLUG WITH INSTALATCH AND SQUARE END HOOD, CAPTIVATED FOR 4-40 SCREW

● 97-3250-91	50	0.650x3.67x1.30"	12M5722	4.37	3.97
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SOCKET WITH INSTALATCH AND SQUARE END HOOD, CAPTIVATED FOR 4-40 SCREW

● 97-4250-91	50	0.650x3.67x1.30"	12M5742	4.53	4.12
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(8731)

BAIL LATCHING 0.085" (2.16) DENSITY METAL SHELL SOLDER TYPE CONNECTORS


Plug With Bail Latch Cutout



No Barrier Socket

Solder type termination connectors for cable-to-panel applications. No barrier sockets with bail latches. Plugs have bail latch cutouts and zinc-plated steel hood. Copper alloy contacts with selective gold over copper plating. Dialyl phthalate type MDG per MIL-M14 insulation material. Zinc-plated steel shell provides grounding and shielding capability. Current rating: 5A. Operating temperature: -40°C to +120°C.

BAIL LATCHING PLUGS

Mfg. Part No.	Contacts	H x W x D	Stock No.	Price Each	
				1-24	25-49
57-30500	50	0.473x3.02x1.35"	45F959	10.29	9.32

BAIL LATCHING SOCKETS

57-40500	50	0.610x3.27x0.700"	45F958	8.09	7.32
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(8729)

VIDEO CONNECTORS

Features:

- 29 pin DVI for digital and analog signals
- 15 pin VESA blue VGA plug and play
- 15 pin non-VESA black video
- DVI to VESA adapter allows for DVI connectors to mate with analog video screen



Mfg. Part No.	Contacts	Description	Stock No.	Price Each
● 634-015-274-906	15	Hi Density Video D-Sub Receptacle PC RA VESA	59K0507	0.74
634-015-263-032	15	Hi Density Video D-Sub Receptacle PC RA NON-VESA Black	81H6799	1.55
● B10-029-266-032	29	DVI Connector, Standard 29 pin	85H1640	3.05

ADAPTERS

Mfg. Part No.	Description	Stock No.	Price Each
● 628-000-924B	DVI TO VESA 15PIN VIDEO ADAPTER	21M6854	8.77

(82392)

DISPLAY PORT

Next generation HDMI (High Definition Multimedia Interface™) headers provide higher density, greater speed. Fully backward compatible with SLT, DVI. Includes 19-pin wire-to-board surface mount connectors, 0.50mm (.039") pitch/spacing. Orientation: right angle. Gold-plated copper contacts.



Mfg. Part No.	Spacing (mm)	Stock No.	Price Each	
			1-4	5+
● 47272-0001	0.5	43M0008	5.55	

CABLE ASSEMBLIES

Mfg. Part No.	Description	Cable Length (ft)	Stock No.	Price Each
● 68783-0007	DisplayPort To DisplayPort Cable Assembly	2	43M0009	338.90

(93045)

HDMI MULTIMEDIA INTERFACE HEADERS


High Definition Multimedia Interface™ (HDMI™) headers provide an uncompressed digital link between consumer electronics equipment and audio/video monitors. Small, user-friendly interconnect carries up to 5 Gbps of combined video and audio in a single cable. Includes 19-pin wire-to-board surface mount connectors with panel-mounting flange. 0.50mm (.039") pitch/spacing. Orientation: right angle. Current capacity: 0.5A max. Voltage: 40V max. 50024 has gold-plated copper contacts, 47151 has gold-plated brass contacts.

Mfg. Part No.	Spacing (mm)	Stock No.	Price Each
● 500254-1931	0.5	20M7439	6.56
● 47151-0002	1	20M7438	2.68

CABLE ASSEMBLY

Mfg. Part No.	Description	Length (m)	Stock No.	Price Each
● 88768-9810	Male HDMI connector to Male HDMI port connector	2	59J1995	15.11

(88573)

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(94635)

I/O CONNECTORS

MICROCROSS™ DIGITAL VISUAL INTERFACE (DVI) CONNECTOR SYSTEM



molex



Microcross™ DVI I/O connectors from Molex offer the standard digital interface for connecting a host device and display device to support high-resolution digital and/or analog video functions. Crossing ground blade design and LFH™ (low force helix) shielded contacts support over 1.65Gbps per differential pair (for 9.9Gbps over a dual link implementation) and 2.5GHz support for the analog interface. By providing a single high-performance interface, board I/O space is saved and lower system costs are achieved. The interface provides added benefits of a high-cycle life interface for mobile applications and the improved EMI performance needed for high-speed links.

RECEPTACLE HEADERS

Feature glass-filled thermoplastic housing, rated UL94V-0. Copper alloy contacts with gold flash plating. Voltage: 40V. Current: 1.5A. Operating temperature: -20° to +85°C.

Mfg. Part No.	Fig.	Description	Stock No.	Price Each
● 74320-1004	1	Right Angle Digital/Analog	18C2856	5.71
● 74320-4004	1	Right Angle Digital	72K3694	5.01
● 74320-3004	2	Vertical Digital/Analog	18C2868	4.81
● 74320-5004	2	Vertical Digital	18M8251	5.40

ADAPTERS

Adapt to existing systems using VGA, DFP, and P and D video I/O interfaces. Compact size. Voltage: 40V. Current: 1.5A. Operating temperature: -20° to +85°C.

● 88741-8700	3	DVI Analog Plug-to-VGA Receptacle Adapter	30M2668	12.28
● 88741-8800	4	DVI Digital Plug-to-DFP Receptacle Adapter	18C2874	14.79
● 88741-9100	5	DVI Analog Receptacle-to-VGA Plug Adapter	28M9490	20.74
● 88741-9300	6	DVI Digital Receptacle-to-DFP Plug Adapter	18C2878	24.31

CABLE ASSEMBLIES

Supports up to 1.65Gbps bandwidth per differential pair, fully shielded against RFI/EMI. Provides 4.95Gbps over a single link and 9.9Gbps performance over a dual-link implementation. Voltage: 40V. Current: 1.5A. Operating temperature: -20° to +85°C.

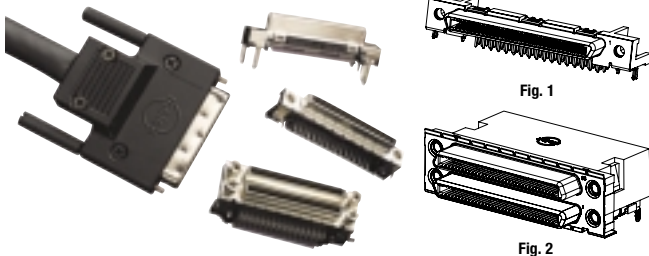
● 88741-8000	7	DVI 2m Single Link Digital-to-Digital/Black	28M9489	40.42
● 88741-8011	7	DVI 3m Single Link Digital-to-Digital/White	18C2882	52.51
● 88741-8211	8	DVI 3m Analog-to-Analog/White	18C2885	48.35
● 88741-8300	...	DVI_A to VGA, 2m	59J1956	30.64
● 88768-3510	...	DVI_D(M) to HDMI, OD: 7.3mm 2m	97H5056	15.93

(66483)

0.80mm (0.131") PITCH ULTRA+™ VHDCI RECEPTACLES AND CABLE ASSEMBLY



molex



- Current Rating: 0.5A max.
- Voltage Rating: 30V max.

- Withstanding Voltage: 250VAC
- Contact Resistance: 50mΩ max.

VHDCI receptacles are designed for high performance memory transfer applications supporting the latest SCSI-style interfaces. They offer greatly increased density compared to existing SCSI connector styles and are well suited for other high-density I/O needs. The stacked receptacle supports twice the density of the standard right-angle receptacle. The receptacles feature optional enhanced shields with multiple contact points for improved EMI/RFI performance and superior leaf/ribbon style contacts. Meet EIA and SFF industry standard specifications to ensure intermatibility with conforming products.

PC BOARD RIGHT-ANGLE THRU-HOLE RECEPTACLES — ENHANCED SHIELD

Mfg. Part No.	Fig.	Circuits	Tail Length (mm)	Board Thickness (mm)	With Screw-locks	Stock No.	Price Each
● 71430-0005	1	68	2.08	1.6	No	59H3999	15.05
● 71430-0004	1	68	2.71	2.36	No	59H3998	15.05
● 71430-0009	1	68	2.71	2.36	Yes	59H4002	16.43

➔ CONTINUED ➔

0.80mm (0.131") PITCH ULTRA+™ VHDCI RECEPTACLES AND CABLE ASSEMBLY (CONT.)

PC BOARD RIGHT-ANGLE THRU-HOLE RECEPTACLES — STANDARD

Mfg. Part No.	Fig.	Circuits	Tail Length (mm)	Board Thickness (mm)	With Screw-locks	Stock No.	Price Each
● 71430-0268	1	68	2.71	2.36	No	59H4004	15.05

PC BOARD RIGHT-ANGLE THRU-HOLE RECEPTACLES — SHIELD WITH ENHANCED GROUND TABS

● 71430-0011	1	68	2.08	1.6	No	78K7125	15.04
● 71430-0019	1	68	2.71	2.36	Yes	28M9471	16.00

PC BOARD STACKED, RIGHT-ANGLE THRU-HOLE RECEPTACLES

Mfg. Part No.	Fig.	Circuits	Tail Length (mm)	Board Thickness (mm)	Features	Stock No.	Price Each
● 74337-0015	2	136	2.48	1.6	No Screw Locks or Cover	59H5511	45.38
● 74337-0054	2	136	2.08	1.6	Top Cover	09J7623	44.10
● 74337-0070	2	136	3.62	2.4	With Cover	59H5529	48.05

IDT VERTICAL MOUNT PLUGS

Mfg. Part No.	Circuits	Wire Size (AWG)	Termination	Stock No.	Price Each
● 71425-3001	68	30	IDT	59H3996	13.88

CABLE ASSEMBLY

Mfg. Part No.	Cable Length (m)	Wire Size (AWG)	Connects	Stock No.	Price Each
● 79918-0081	1.6	30	VHDCI Plug-to-VHDCI Plug	09J7626	101.90

ACCESSORY

Mfg. Part No.	Description	Stock No.	Price Each
● 71433-0002	M2 x 0.4mm Female Round Screwlock	59H4005	0.84

(83386)

1.27mm (.050") PITCH EBBI™ 50D RECEPTACLES



molex

Features:

- PCB thru-hole
- Dual row

Specifications:

- Pitch spacing: 1.27mm (.050")
- Current rating: 1.0A
- Voltage rating: 30V
- Body material: High temperature thermoplastic
- UL94V-0

VERTICAL ORIENTATION

Mfg. Part No.	Contacts	Stock No.	Price Each	
● 15-92-1068	68	94C3897	1-24	25-49
● 15-92-1080	80	55H2352	7.11	6.30
			6.08	5.39

RIGHT-ANGLE ORIENTATION

● 74065-0005	20	59H5405	13.44	11.91
● 15-92-3068	68	55H2392	6.95	6.16
● 15-92-3080	80	55H2393	7.82	6.93

(89611)

1.27mm (.050") PITCH LFH™ MATRIX 50 RECEPTACLES



molex

Specifications:

- Pitch spacing: 0.80mm (.031")
- Current rating: 1A
- Voltage rating: 40V
- Body material: Thermoplastic, glass-filled
- UL94V-0

Features:

- PCB thru-hole
- Dual row

71661 SERIES RIGHT-ANGLE PLUGS

Mfg. Part No.	Contacts	Tail Length mm (in)	Stock No.	Price Each	
● 71661-2068	68	2.79 (.110)	59H4113	1-24	25-49
● 71661-2080	80	2.79 (.110)	59H4114	5.41	4.79
				7.96	7.04

71661 SERIES VERTICAL PLUG BLIND MATE

● 71661-7080	80	2.79 (.110)	01H8270	10.95	9.69
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➔ CONTINUED ➔

I/O CONNECTORS

1.27mm (.050") PITCH LFH™ MATRIX 50 RECEPTACLES (CONT.)

70928 SERIES RIGHT-ANGLE SHIELDED RECEPTACLES

Mfg. Part No.	Contacts	Tail Length mm (in)	Stock No.	Price Each	
				1-24	25-49
● 70928-2000	60	2.01(.079)	59H3365	14.25	12.61
● 51-24-1040	160	2.01(.079)	57H2208	29.88	26.43
● 71626-4000	160	2.34 (.092)	59H4065	37.68	33.33

71626 SERIES RIGHT-ANGLE SHIELDED PLUGS

● 51-25-1040	160	2.34 (.092)	57H2218	32.87	29.08
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71626 SERIES RIGHT-ANGLE SHIELDED RECEPTACLES

● 71626-1001	160	2.34 (.092)	59H4059	26.89	23.79
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70929/70984 SERIES SUBASSEMBLY AND TERMINAL STICKS 60 CIRCUITS

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	25-49
● 70929-2000	60-circuit I/O Plug Connector Subassembly	92C2175	5.26	4.65
● 51242022	Trimmed to length w/o carrier, 3.30mm(.130")	86C7401	2.58	2.29

71624/70984 SERIES SUBASSEMBLY AND TERMINAL STICKS 160 CIRCUITS

● 70984-4009	Trimmed to length w/o carrier, 3.30mm(.130")	59H3385	3.90	3.45
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ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each	
			1-24	25-49
57352-5000	Hand Crimp Tool for 50641-8041	03H3686	1170.00	1035.00
● 709821003	3/16 HEX SCREWLOCK M3 EXT THRD	01J9321	1.48	1.31
● 71629-4000	LFH Mtx50&75 Dkg Hdw Guide Sleeve	59H4070	1.64	1.45

1.27mm (0.050") PITCH TDP™ TRIAD™ DIFFERENTIAL PAIR CONNECTORS AND CABLE ASSEMBLIES



molex

- Voltage rating: 40V
- Current rating: 1.5A
- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 500V
- Insulation resistance: 100MΩ min.
- Differential impedance: 2.5Gbps: 100 ± 10Ω @ 150pssec risetime; 5.0Gbps: 100 ± 18Ω @ 75pssec risetime
- Cycle-life: 5000 cycles min.



Uses the Triad design of differential signal and ground lines to achieve optimal bandwidths up to 5.0Gbps and beyond for cable-to-board interconnections. Shielded, dual row interface offers high speed and 100Ω controlled impedance. Comprised of a fully shielded receptacle and plug to provide maximum EMI/RFI protection. Inline SMT receptacle optimizes PCB routing, low profile of 7.0mm (0.276") for where height considerations are a factor. Low Force Helix™ (LFH) contact design provides long term performance and reliability. Recessed contacts protect signal lines from ESD, support mating alignment and provide added contact protection during operating handling.

PCB RECEPTACLES

Mfg. Part No.	Circuits	Stock No.	Price Each	
			1-9	10-24
74960-2018	18	76K0284	14.45	
74960-2028	28	82K9063	17.49	
74960-2048	48	82K9064	21.87	

PLUG CABLE CONNECTORS WITH CARRIER STRIP

● 75000-0028	28	29M8612	19.20	
● 75000-0048	28	18M8252	21.06	

BLACK CABLE PLUG KITS WITH 4-40 JACKSCREWS

● 75115-0018	18	07J2504	16.33	
● 75115-0028	28	07J2505	16.77	
● 75115-0048	48	28M9484	15.69	
● 75115-0072	72	07J2508	14.76	

3.0M STANDARD CABLE ASSEMBLIES

Mfg. Part No.	Circuits	No. of Differential Pairs	Stock No.	Price Each	
				1-9	10-24
79925-0002	18	4	07J2509	118.88	
79925-0006	28	6	07J2510	111.63	
79925-0010	38	8	07J2511	126.59	
79925-0014	48	12	07J2512	147.76	
● 79925-0018	72	24	07J2513	215.18	

(79298)

0.50mm LANELINK™ I/O RECEPTACLE



molex

Right angle surface mount Lane-Link™ I/O wire-to-board latch receptacles, 4 lane, InfiBand™, Cx4 ethernet feature diecast frames with solder posts for strain relief. Max. voltage: 30V, Max. current: 0.5A.



Just Added

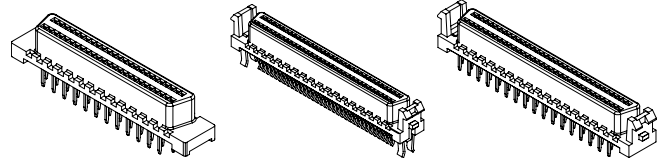
Mfg. Part No.	Description	Circuits	Stock No.	Price Each	
				1-9	10-24
● 91804-8451	2 solder posts	8	84K7557	16.33	
● 91804-8453	4 solder posts, rear mounts	8	84K7558	16.43	

(88591)

1.27mm (0.050") PITCH SCSI+ RECEPTACLES AND CABLE ASSEMBLY



molex



- Current Rating: 1A
- Voltage Rating: 30V
- Withstanding Voltage: 500VAC

- Contact Resistance: 25mΩ max.
- Insulation Resistance: 1000MΩ min.

70491 SERIES UNSHIELDED RECEPTACLE — VERTICAL PC BOARD THRU-HOLE MOUNT, WITHOUT LATCHES

Mfg. Part No.	Fig.	Circuits	Stock No.	Price Each	
				1-24	25-49
● 01587-0205	1	68	28M9321	6.47	

73631 SERIES UNSHIELDED RECEPTACLE — STRADDLE MOUNT, WITH LATCHES

● 73631-1002	2	68	28M9472	7.45	
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73631 SERIES UNSHIELDED RECEPTACLE — VERTICAL PC BOARD THRU-HOLE MOUNT, WITH LATCHES AND POLARIZING PEG

● 73631-3002	3	68	18M8250	6.94	
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73976 SERIES RECEPTACLE — STRADDLE MOUNT

● 73976-0002	...	68	28M9473	7.18	
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CABLE ASSEMBLY

Mfg. Part No.	Cable Length (m)	Wire Size (AWG)	Connects	Stock No.	Price Each	
					1-24	25-49
79913-0044	9.8	30	SCSI Plug-to-SCSI Plug	09J7625	99.74	

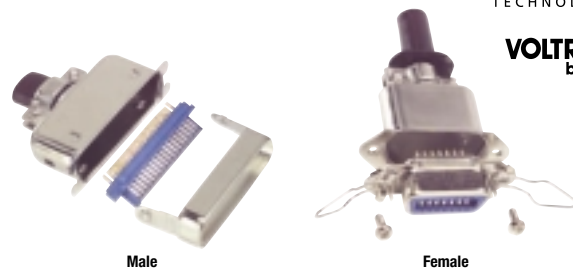
(83444)

CENTRONICS® PARALLEL CONNECTORS



SPC TECHNOLOGY

VOLTREX® brand



Centronics®-type connector offers a fast, economical method to achieve electrical interconnection. A trapezoidal-shape shell provides correct polarity. Shell: nickel-plated steel. Insulator: glass-filled thermoplastic. Insulator resistance: 1000MΩ min. @ 500VDC. UL94V-0. Working voltage: 500VDC. Current rating: 5 amps per contact. Copper alloy contacts with gold plating over nickel. Operating temperature range: -55°C to +105°C.

Mfg. Part No.	Description	Pins	Stock No.	Price Each			
				1-24	25-49	50-99	100-249
● SPC15257	Male	14	79K4854	6.21	4.85	3.80	3.49
● SPC15189	Female	14	79K4792	6.90	5.39	4.22	3.87
● SPC15336	Male	24	79K4928	6.54	5.10	3.99	3.67
● SPC15302	Female	24	79K4896	6.86	5.35	4.19	3.85

» CONTINUED »

I/O CONNECTORS • MOD JACKS & PLUGS

CENTRONICS® PARALLEL CONNECTORS (CONT.)

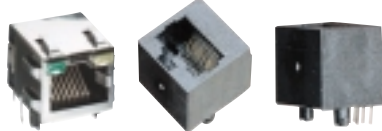
Mfg. Part No.	Description	Pins	Stock No.	Price Each			
				1-24	25-49	50-99	100-249
● SPC15407	Male	36	79K4989	3.48	2.72	2.13	1.95
● SPC15263	Female	36	79K4860	4.28	3.34	2.62	2.40
● SPC15366	Male	50	79K4952	6.86	5.35	4.19	3.85
● SPC15337	Female	50	79K4929	7.64	5.96	4.67	4.29

(8877)

SINGLE MODULAR JACKS



- Shielded, grounded with PCB grounds
- Solder contacts
- Sold as 1 each
- Recommended applications: Fast ethernet, 10 Base-T ethernet, 10/100 Base-T ethernet



SHIELDED—CAT-3

Mfg. Part No.	Positions	Config.	Termination	Features	Stock No.	Price Each
● 2-5338556-1	8	1 x 1	PCB Right Angle Thru Hole	RJ45	16M2849	2.56
● 555050-1	6	1 x 1	Snap In	RJ45	92F4798	3.81
● 5555153-1	8	1 x 1	PCB Right Angle Thru Hole	RJ45	42K8753	1.01
● 5406298-1	8	1 x 1	PCB Right Angle Thru Hole	RJ45	12M6391	2.58
● 5557789-1	8	1 x 1	PCB Right Angle Thru Hole	RJ48X	16M3301	19.84
● 5557791-1	8	1 x 1	PCB Right Angle Thru Hole	RJ48X	16M3302	8.11
● 5520259-4*	8	1 x 1	PCB Straight Thru Hole	RJ45	42K7228	0.72
● 5556416-1*	8	1 x 1	PCB Straight Thru Hole	RJ45	42K7302	0.72
● 5558070-1	1	1 x 1	PCB Right Angle Thru Hole	RJ45	16M3303	4.94

SHIELDED—CAT-5

● 5558344-1	8	1 x 1	PCB Right Angle Thru Hole	RJ45	42K7310	3.50
● 1116503-2	8	1 x 1	PCB Right Angle Thru Hole	Low Profile	16M2706	3.69
1658868-1	8	1 x 1	PCB Right Angle Thru Hole	...	57J1342	3.36
● 1116202-1	8	1 x 1	PCB Straight Thru Hole	Press Fit, RJ45	10H8534	3.01

SHIELDED WITH PANEL GROUND—CAT-3, W/LED

Mfg. Part No.	Positions	Config.	Termination	LED Color	Stock No.	Price Each
● 5569564-1	8	1 x 1	PCB Right Angle Thru Hole	w/LED, Pos.1-Green, Pos.2-Yellow	42K7318	4.83
● 5569564-4	8	1 x 1	PCB Right Angle Thru Hole	w/LED, Pos.1-Green, Pos.2-Green	16M3305	10.53

SHIELDED WITH PANEL GROUND—CAT-5, W/LED

● 1-406507-4	8	1 x 1	PCB Right Angle Thru Hole	w/LED, Pos.1-Yellow, Pos.2-Green	16M2656	3.23
● 2-406549-4	8	1 x 1	PCB Right Angle Thru Hole	w/LED, Pos.1-Yellow, Pos.2-Green	79K5147	2.58
● 2-406549-5	8	1 x 1	PCB Right Angle Thru Hole	w/LED, Pos.1-Green, Pos.2-Green	16M2835	2.58
● 2-406549-1	8	1 x 1	PCB Right Angle Thru Hole	w/LED, Pos.1-Green, Pos.2-Yellow	16M2834	2.58

*Unshielded (83016)

AMP LOW PROFILE RJ45 MODULE JACKS



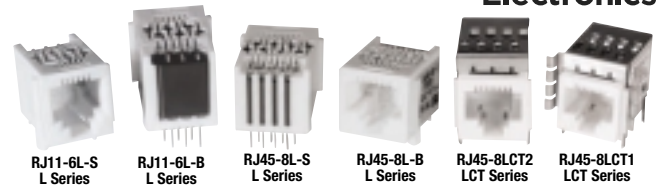
- Contact finish: Gold over nickel
- Contact material: Phosphor bronze
- Solder tail contact plating: Tin over nickel
- Thru-hole mounting

Just Added

Mfg. Part No.	No. of Positions	Jack Configuration	No. of LEDs	Stock No.	Price Each	
● 1888250-1	8	1 x 1	2	42M9893	1-24	25-49
● 1888250-3	8	1 x 1	0	42M9894	3.15	2.85
● 1888250-4	8	1 x 1	2	42M9895	4.00	3.63
● 1888251-1	8	1 x 4	2	42M9896	13.20	11.97

(94351)

FILTERED MODULAR JACKS



Cost-effective, space-saving solutions to the problems of RFI on signal lines. "Signal Sentry" filtered modular jacks are ideal for telecommunications equipment, computers, terminals and peripherals. Inductive and optional capacitive elements effectively remove common-mode noise from incoming signals and limits unwanted signal line emissions. **N series** jacks offer inductance and optional shielding plus a lower profile for board stacking applications. **L series** jacks, available with or without a shield, are offered with standard ferrite sleeve inductors or higher performance ferrite blocks. **LCT series** jacks provide improved performance over **L series** models without impact on the signal, making them suited for Ethernet applications. Type numbers with **S suffix** incorporate sleeve ferrites for handling crosstalk problems, while type numbers with **B suffix** incorporate block ferrites for higher performance. UL recognized, CSA certified.

RJ11 L SERIES FILTERED MODULAR JACKS

Mfg. Part No.	Inductors Ferrite	Shield*	Positions-Contacts	Stock No.	Price Each		
● RJ11-2L-B	Block	Unshielded	6-2	83F4463	3.25	2.93	2.82
● RJ11-4L2-B	Block+	Shielded 2	6-4	50F8856	5.13	4.54	4.34
● RJ11-4L2-S	Sleeves+	Shielded 2	6-4	50F8855	4.75	4.21	4.02
● RJ11-4L-B	Block	Unshielded	6-4	52K3315	3.92	3.54	3.40
● RJ11-6L2-B	Block+	Shielded 2	6-6	50F8860	5.13	4.54	4.34
● RJ11-6L-B	Block	Unshielded	6-6	52K3613	3.88	3.50	3.36
● RJ11-6L-S	Sleeves	Unshielded	6-6	50F1358	3.98	3.52	3.37

RJ11 N SERIES FILTERED MODULAR JACKS

● RJ11-6N3-B	Block	Shielded 3	6-6	52K3910	4.09	3.62	3.47
● RJ11-6N3-S	Sleeves	Shielded 3	6-6	52F7839	4.28	3.79	3.63
● RJ11-6N4-B	Block	Shielded 4	6-6	52K3911	4.09	3.62	3.47
● RJ11-6N-B	Block	Unshielded	6-6	52K4539	3.22	2.85	2.73
● RJ11-6N-S	Sleeves	Unshielded	6-6	52F7837	3.14	2.78	2.66

RJ45 L SERIES FILTERED MODULAR JACKS

● RJ45-8L2-B	Block+	Shielded 2	8-8	52K3810	5.38	4.85	4.66
● RJ45-8L2-S	Sleeves+	Shielded 2	8-8	52K4446	5.74	5.18	4.97
● RJ45-8L-B	Block	Unshielded	8-8	52K4445	4.08	3.68	3.53

RJ45 LCT SERIES FILTERED MODULAR JACKS

● RJ45-8LCT1-B	Block	Shielded 1	8-8	52K3316	19.27	17.38	16.69
● RJ45-8LCT2-B	Block	Shielded 2	8-8	91F7263	8.50	7.52	7.20

RJ45 N SERIES FILTERED MODULAR JACKS

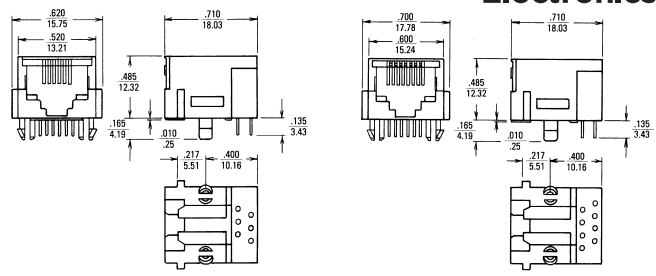
● RJ45-8N3-B	Block	Shielded 3	8-8	52K3318	4.09	3.62	3.47
● RJ45-8N3-S	Sleeves	Shielded 3	8-8	52F7845	4.70	4.16	3.98
● RJ45-8N4-B	Block	Shielded 4	8-8	52K3319	4.02	3.55	3.40
● 1-6609212-6	Sleeves	Shielded 4	8-8	69K5773	4.70	4.16	3.98
● RJ45-8N-B	Block	Unshielded	8-8	52K3317	3.48	3.08	2.95
● RJ45-8N-S	Sleeves	Unshielded	8-8	52F7843	2.92	2.58	2.47

RJH L SERIES FILTERED MODULAR JACK

● RJH-4L-B	Block	Filtered	4-4	52K4458	3.79	3.42	3.28
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*Shield: 1 = Panel- and board-grounded, 2 = Board-grounded only, 3 = Panel-, board- and cable-grounded, 4 = Board- and cable-grounded; +Board-grounded (pins only) (75522)

FILTERED MODULAR JACKS



Cost-effective, space-saving solutions to the problems of RFI on signal lines. "Signal Sentry" filtered modular jacks are ideal for telecommunications equipment, computers, terminals and peripherals. Inductive and optional capacitive elements effectively remove common-mode noise from incoming signals and limits unwanted signal line emissions. **N series** offer inductance and optional shielding plus a lower profile for board stacking applications. Mfg. part nos. with **S suffix** incorporate sleeve ferrites for handling crosstalk problems, while mfg. part nos. with **B suffix** incorporate block ferrites for higher performance. UL recognized and CSA certified.

➤ CONTINUED ➤