

3M



HARTING

JAE



multicomp

tyco / *Electronics* / **ANSLEY**

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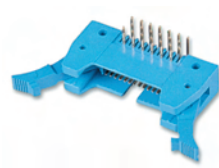
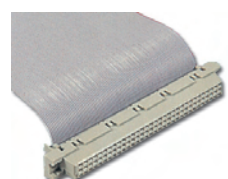


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Connectors - IDC

Cable Fabrication  SEE WEBSITE	Receptacle Connectors  SEE PAGE 293	IDT Systems  SEE PAGE 296	High Density 0.025  SEE THIS PAGE
High Density 0.8mm  SEE WEBSITE	IDC 0.1" Cable Pitch  SEE PAGE 293	HE 14 System  SEE WEBSITE	High Density 0.033  SEE PAGE 273
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IDC Tools  SEE PAGE 291	Mass Termination Assemblies  SEE PAGE 294	Multicomp IDC  SEE PAGE 283	Ribbon Cable  SEE SECTION 2 Cable & Wire

High Density IDC 0.025" Cable Pitch

- A range of high density IDC connectors and cable
- Ideally suited for miniature PCB application

Current rating	1A	Temperature range	-20°C to +80°C
Voltage rating	150V ac	Housing	Blue PBT UL94V-0
Contact resistance	<15mΩ @ 20mV dc 10mA	Contacts	IDC Beryllium Copper Headers Phosphor bronze 0.3-0.5μ Gold over Nickel
Insulation resistance	1000MΩ @ 500V dc	Plating	

208936

Female Sockets (Bump Polarisation)



- Height = 11.3mm Depth = 6.0mm
- Contact Pitch 1.27mm
- Flat cable pitch 0.635mm

Centre bump polarised female sockets with integral strain relief.

Mfrs. List No. NFSxxA0111, where xx=No. of ways

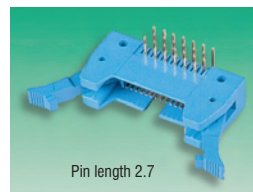
No. of Ways	L (mm)
10	11.08
16	14.89
20	17.43
26	21.24
40	30.13
50	36.48
60	42.83
64	45.37
80	55.53
100	68.23

208937

No. of Ways	Order Code	1+	50+	100+	500+
10	114-5887 ●	8.54	7.77	7.51	7.13
16	114-5888 ●	11.20	10.18	9.85	9.34
20	114-5889 ●	15.15	13.80	13.29	12.62
26	114-5877 ●	15.65	13.61	10.95	8.89
40	114-5879 ●	22.47	19.42	15.66	12.68

No. of Ways	Order Code	1+	50+	100+	500+
50	114-5890 ●	26.10	23.72	22.89	21.76
60	114-5891 ●	31.17	28.34	27.35	25.97
64	114-5880 ●	31.96	28.19	23.24	18.65
80	114-5881 ●	40.26	35.61	29.30	23.70
100	114-5892 ●	44.89	41.66	40.82	38.93

90° PCB Mounting Headers (Long Latch/Ejectors)



Pin length 2.7

Right angle PCB headers designed to mate with the female sockets above (with strain relief fitted).

- Contact pitch 1.27 mm
- Height 27.7 mm
- Depth 8.3 mm

Mfrs. List No. NFPxxA0122, where xx=No. of ways

No. of Ways	L (mm)	No. of Ways	L (mm)	No. of Ways	L (mm)	No. of Ways	L (mm)
10	24.28	26	34.44	60	56.03	80	68.73
16	28.09	40	43.33	64	58.57	100	81.43
20	30.63	50	49.68				

208938

No. of Ways	Order Code	1+	50+	100+	500+
10	114-3947 ●	6.93	6.32	6.07	5.78
16	114-3948 ●	8.95	8.30	8.14	7.78
20	114-3949 ●	10.35	9.57	9.41	8.98
26	114-5882 ●	15.79	13.67	11.04	8.96
40	114-5883 ●	23.07	19.97	16.11	13.03
50	114-3950 ●	25.04	22.76	21.96	20.86
60	417-9134 ▲	33.51	30.50	29.40	27.93
64	114-5884 ●	35.35	30.69	24.78	20.06
80	114-5886 ●	40.98	36.26	29.85	24.18
100	114-3951 ●	48.50	44.98	44.07	42.09

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

Nanoflex Grey 0.025" Pitch Cable



- Suitable for high density IDC connectors
- Flame retardant PVC insulation
- Red edge denotes first conductor
- UL approved (style 20536)

Wire gauge	30 AWG stranded	Impedance	71Ω
	7/0.1mm tinned copper	Capacitance	105pF/m
Temperature rating	105°C	Inductance	0.48μH/m
Voltage rating	150V	Propagation delay time	5.4ns/m
Current rating	0.5A		

Mfrs. List No. FLEX B2xx7/0.1, where xx=No. of conductors

208940

Cut Lengths in 30cm			61.0m Reel	
No. of Conductors	Order Code	Price Per 30cm	Order Code	Price Per Reel 1+
26	121-8353	14.05	121-8338	631.06
40	121-8354	21.04	121-8339	949.22
64	121-8355	33.63	121-8340	1,507.39
80	121-8356	40.78	121-8341	1,903.20
10			417-9158	482.26
16			417-9160	553.00
20			417-9171	578.73
50			417-9183	1,343.85
60			417-9195	1,586.37
100			417-9201	2,692.22

High Density IDC Headers and Sockets



TX1 to TX3 Series Connectors are 2 piece PCB connectors with 1.27mm contact spacing.

- Flat ribbon cable 0.635mm (TX1) and 1.27mm (TX2)
- Designed for board to cable applications
- TX1 can be terminated daisy chain style
- TX2 socket terminated at end of cable
- Sockets have a dual contact point tuning fork contact
- Straight or right angle pin headers

Current Rating	0.5A	Contact Resistance	≤25mΩ
Operating Voltage	250V AC rms	Dielectric Voltage	500V AC rms per minute
Insulation Resistance	100MΩ	PCB Thickness	1.6mm
Operating Temperature	-40° to 80°		

233431

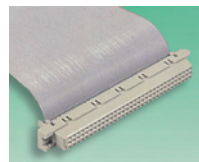
No. Contacts	Mfrs. List No.	Order Code	1+	100+	250+
TX1 Socket - 0.635mm cable					
40	TX1-40SD2P1-1D	388-6505	12.84	12.28	--
50	TX1-50SD2P1-1D	388-6517	14.80	13.23	11.65
60	TX1-60SD2P1-1D	388-6529	13.83	12.56	11.07
68	TX1-68SD2P1-1D	388-6530	15.41	14.72	--
80	TX1-80SD2P1-1D	388-6542	19.55	18.66	--
100	TX1-100SD2P1-1D	388-6554	22.89	20.42	18.00
TX2 Socket - 1.27mm cable					
40	TX2-40SD2P1-1C	388-6591▲±	12.71	12.16	--
40	TX2-40S-D2P1-1CE	996-4835●	12.71	12.16	--
50	TX2-50SD2P1-1C	388-6608▲±	14.80	14.12	--
50	TX2-50S-D2P1-1CE	996-4843●	14.80	14.12	--
80	TX2-80SD2P1-1C	388-6633▲±	19.36	18.48	--
80	TX2-80S-D2P1-1CE	996-4851●	19.36	18.48	--
100	TX2-100SD2P1-1C	388-6645▲±	22.89	21.87	--
100	TX2-100S-D2P1-1CE	996-4860●	22.89	21.87	--
RA Header					
40	TX3-40P-D2LT-LN1	388-6682▲±	12.03	11.48	--
40	TX3-40P-D2LT-LN1E	996-4878●	12.03	11.48	--
50	TX3-50P-D2LT-LN1	388-6694▲±	11.33	10.32	--
50	TX3-50P-D2LT-LN1E	996-4886●	11.33	10.32	--
68	TX3-68P-D2LT-LN1	388-6712▲±	13.67	13.06	--
68	TX3-68P-D2LT-LN1E	996-4894●	13.67	13.06	--
80	TX3-80P-D2LT-LN1	388-6724▲±	11.03	10.09	--
80	TX3-80P-D2LT-LN1E	996-4908●	11.03	10.09	--
100	TX3-100P-D2LT-LN1	388-6736▲±	15.34	14.67	--
100	TX3-100P-D2LT-LN1E	996-4916●	15.34	14.67	--
Straight Header					
40	TX3-40P-D2ST-LN1	388-6773▲±	12.03	11.48	--
40	TX3-40P-D2ST-LN1E	996-4924●	12.03	11.48	--
50	TX3-50P-D2ST-LN1	388-6785▲±	12.51	11.95	--
50	TX3-50P-D2ST-LN1E	996-4932●	12.51	11.95	--
68	TX3-68P-D2ST-LN1	388-6803▲±	13.81	13.19	--
68	TX3-68P-D2ST-LN1E	996-4940●	13.81	13.19	--
80	TX3-80P-D2ST-LN1	388-6815▲±	14.48	13.85	--
80	TX3-80P-D2ST-LN1E	996-4959●	14.48	13.85	--
100	TX3-100P-D2ST-LN1	388-6827▲±	15.34	14.67	--
100	TX3-100P-D2ST-LN1E	996-4967●	15.34	14.67	--

High Density IDC 0.033" Cable Pitch



96 way 'C' Body DIN41612

Class III



- Mates with standard headers
- Will interconnect fully populated 96 way 'C' body
- One shot IDC technique, uses special 0.033" pitch 96 way cable

Note: This connector can only be used with 0.033" pitch ribbon cable, Order code 153-461, see **BELOW**

Working voltage	150V	Housing	Grey PBT UL94V-0
Contact rating	1A	Contacts	Phosphor Bronze, Gold over Nickel Plating
Mating cycles	50		

Mfrs. List No. FNS13-09600-008F

208933

		Price Each			
Order Code	1+	50+	100+	500+	
'C' body a+b+c loaded 114-3945 ●	28.14	24.88	20.86	17.05	

Grey 0.033" Pitch Cable 96 way



- Use with Yamaichi DIN41612 IDC connector 'C' body 96 way fully populated
- Flame retardant PVC insulation
- Red edge denotes the first conductor

Mfrs. List No. TFC30-96C/0.847

Wire gauge	30 AWG, 7/0.1mm	Impedance	89Ω
Temperature rating	-20°C to +105°C	Capacitance	65pF/m
Voltage rating	150V	Inductance	0.48μH/m
Current rating	0.5A	Propagation delay time	4.9ns/m

208934

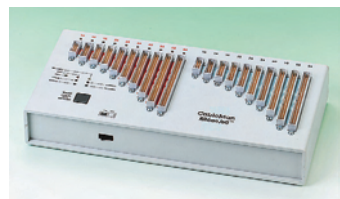
Cut Lengths in Metres		Price Per Metre	30.5m Reels	
No. of Conductors	Order Code		Order Code	Price Per Reel
7/0.1mm	121-8357●	43.43	121-8342●	1,324.93

Standard Density IDC 0.05" Cable Pitch

0.05" Ribbon Cable Checker



Microprocessor Controlled



- Easy to use, Programmable
- Microprocessor controlled
- Lightweight
- Cables fitted with 10 to 64 way headers can be checked
- Pass and Fail LED's
- Allows fault finding or quick checking of large numbers of IDC cable assemblies

219662

		Price Each	
Order Code	1+		+
IDC Cable Check 154-271	911.88	--	--

Scotchflex™ Interconnect



- An intermatable range of socket and headers
- Approvals, **BT224 Code T**, on Class II connectors
- Meets design criteria of **DIN41651**, **BS9525**, **F0023**, **F0026** and **MIL-C-83503**

Sockets. The cable mounted sockets are selected under 3 criteria.

Contact plating Class II or III: II=200 cycles, III=100 cycles.

Strain relief: yes or no

Polarisation: Bump/Click or just Click

All cable mounted sockets are open end style which allows "daisy chain" cable assemblies.

Headers. All board mounted headers accommodate both bump and click polarisation.

There are three types of header:-

Long latch, for use with sockets with strain relief

Short latch, for use with sockets without strain relief

Low profile, no latches for use with all socket types

Board mounted headers can have straight or right angle solder tails.

There is a single range of cable mounted headers with mounting lugs in Class II plating.

Transition Connectors. 2 and 4 row types for soldering into PCBs.

Body	Glass filled polyester (PBT)	
Housing	UL94V-0	
Flammability	Grey	
Colour	Grey	
Sockets	Class II	Class III
Contact Material	Beryllium Copper (C172)	Phosphor Bronze (C510)
IDC U slot/under plate	1.27μm Gold	0.76μm Gold
Wiping contact	0.76μm Gold	0.76μm Gold
Cycles	200	100

Boardmount Sockets

Contact Material
Under plate
Wiping Area
Solder tail
Cycles

Class II

Copper alloy
0.3µ Gold over 2µ Nickel
0.3µ Gold over 2µ Nickel
Tin lead
200

Class III

Phosphor Bronze (C510)
.76µm m Gold over 1.27µm m Nickel
.76µm m Gold over 1.27µm m Nickel
Tin lead
100

Headers

Contact Material
Under plate
Contact area
Solder tail
Cycles

Copper alloy
100µ Nickel
0.3µ Gold
5.08µm 60/40 tin lead
200

Phosphor Bronze (C510)
0.76µm Gold
0.76µm Gold
5.08µm 60/40 tin lead
100

Electrical specification

Current rating (all contacts simultaneously)
Insulation resistance
Withstanding voltage
Operating voltage
Contact resistance
Contacts

1A @ 70°C
>1 10⁹Ω at 500V dc
1000V rms at sea level
350V dc or ac peak
<20mΩ after conditioning
-55°C to +105°C

PCB

Maximum thickness
Hole diameter
Pin spacing

1.6mm
0.89 ±0.08mm
2.54mm (0.1")

208803

Female Socket (with & without strain relief)**Class II**

Bump/Click polarisation 525-390

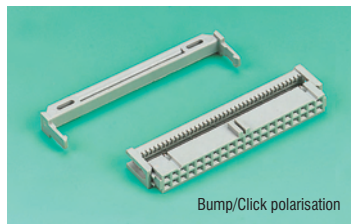


Bump/Click polarisation 468-034

BT224 Code T approved.

208802

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+	+
Bump/Click Polarisation (with strain relief)								
10	3473-6610	525-364	8.89	7.98	7.56	5.52	--	--
14	3385-6614	525-376	9.05	8.16	7.68	5.64	--	--
16	3452-6616	525-388	9.48	8.55	8.04	5.94	--	--
20	3421-6620	525-390	9.70	8.70	8.28	6.09	--	--
34	3414-6634	525-418	15.85	14.28	13.56	9.96	--	--
40	3417-6640	525-420	18.41	16.56	15.75	11.52	--	--
50	3425-6650	525-431	22.71	20.49	19.41	14.25	--	--
60	3334-6660	525-443	26.86	24.15	22.86	16.83	--	--
Bump/Click Polarisation (without strain relief)								
10	3473-6600	468-010	6.02	5.31	4.80	3.48	--	--
14	3385-6600	473-509	5.99	5.28	4.80	3.45	--	--
16	3452-6600	468-022	7.52	6.60	6.00	4.41	--	--
20	3421-6600	468-034	8.24	7.26	6.60	4.80	--	--
26	3399-6600	468-046	9.98	8.79	8.01	5.82	--	--
34	3414-6600	468-058	9.95	8.82	7.89	5.79	--	--
40	3417-6600	468-060	9.14	8.04	7.29	5.34	--	--
50	3425-6600	468-071	14.48	13.56	12.33	9.03	--	--
60	3334-6600	473-510	14.04	12.42	11.25	8.22	--	--
64	7964-6500EC	727-945	25.93	23.31	21.63	15.00	--	--

Female Socket with separate strain relief**Class III**

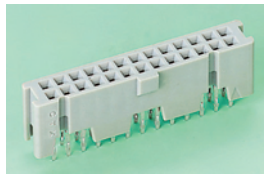
Bump/Click polarisation

Separate strain reliefs listed below

224239

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+	+
Bump/Click Polarisation								
10	89110-0101HA	300-3577	3.31	3.00	2.94	2.16	--	--
14	89114-0101HA	300-3589	3.53	3.15	3.03	2.28	--	--
16	89116-0101HA	300-3590	3.74	3.36	3.24	2.43	--	--
20	89120-0101HA	300-3607	4.02	3.66	3.54	2.61	--	--
24	89124-0101HA	326-2649	4.65	4.59	4.08	3.30	--	--
26	89126-0101HA	300-3619	4.71	4.23	4.14	3.09	--	--
30	89130-0101HA	326-2650	4.96	4.50	4.38	3.24	--	--
34	89134-0101HA	300-3620	5.24	4.71	4.59	3.39	--	--

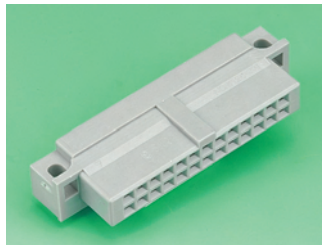
No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+	+
Bump/Click Polarisation								
40	89140-0101HA	300-3632	5.30	4.77	4.68	3.45	--	--
50	89150-0101HA	300-3644	6.58	5.91	5.70	4.26	--	--
60	89160-0101HA	300-3656	6.83	6.15	5.97	4.44	--	--
Strain Reliefs								
			5+	100+	300+			
10	3448-89110	300-3747	0.66	0.57	0.44			
14	3448-89114	300-3759	0.69	0.57	0.47			
16	3448-89116	300-3760	0.69	0.57	0.47			
20	3448-89120	300-3772	0.72	0.63	0.50			
24	3448-89124	326-2625	0.76	0.63	0.60			
26	3448-89126	300-3784	0.72	0.63	0.50			
30	3448-89130	326-2637	0.82	0.69	0.54			
34	3448-89134	300-3796	0.76	0.66	0.50			
40	3448-89140	300-3802	0.79	0.63	0.50			
50	3448-89150	300-3814	0.79	0.69	0.54			
60	3448-89160	300-3826	1.32	1.17	0.91			

Boardmount Sockets**Class II**

- For board to board applications
- Mates with Male PCB Mounting Headers

208877

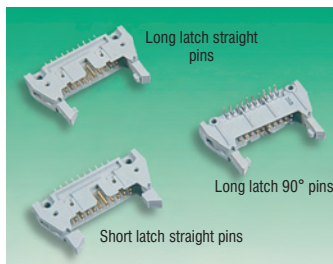
No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
10	8510-4500PL	913-8625	4.14	3.60	3.33	3.06	--
16	8516-4500JL	304-7490	6.58	5.97	5.58	4.56	--
16	8516-4500PL	913-8633	5.16	4.49	4.15	3.82	--
20	8520-4500PL	913-8641	5.76	5.01	4.64	4.26	--
26	8526-4500PL	913-8650	6.72	5.85	5.41	4.97	--
34	8534-4500PL	913-8668	7.92	6.89	6.38	5.86	--
40	8540-4500PL	913-8676	8.94	7.78	7.20	6.62	--
50	8550-4500PL	913-8684	10.44	9.08	8.40	7.73	--
60	8560-4500PL	913-8692	11.94	10.39	9.61	8.84	--
64	8564-4500PL	913-8706	20.23	16.84	15.34	13.37	--

90° Board Mount Sockets**Class II**

- Right angle boardmount sockets
- Mates with unlatched headers

208904

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+	+
20	5120-B7A2JL	326-2662	12.73	11.58	10.98	10.02	--	--
20	5120-B7A2PL	103-4414	12.61	10.97	10.15	9.33	--	--
26	5126-B7A2JL	326-2674	14.10	12.81	12.18	11.07	--	--
26	5126-B7A2PL	103-4415	13.97	12.15	11.24	10.34	--	--
34	5134-B7A2JL	326-2686	15.91	14.49	13.74	12.51	--	--
34	5134-B7A2PL	103-4416	15.76	13.71	12.69	11.66	--	--
40	5140-B7A2JL	326-2698	17.41	15.84	15.00	13.68	--	--
40	5140-B7A2PL	103-4417	17.24	15.00	13.88	12.76	--	--
50	5150-B7A2JL	326-2704	18.28	16.62	15.75	14.34	--	--
50	5150-B7A2PL	103-4419	18.11	15.75	14.58	13.40	--	--

Male PCB Mounting Headers (with latches)**Class II**

- Long latch headers used with strain relief sockets, short latch with sockets without strain relief
- Bump or click polarisation on 10 way only
- 10 way need one clip, two for the remainder

208965

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Long Latch 90° Pins click/bump						
10	3793-5602	439-915▲‡	6.74	6.03	5.70	4.20
10	N3793-5302RB	983-8023●	5.27	4.38	4.03	3.48
14	3314-5602	326-3058▲‡	4.99	4.56	4.32	3.93
14	N3314-5302RB	983-8430●	5.40	4.49	4.13	3.57
16	3408-5602	326-3060▲‡	5.55	5.04	4.77	4.38
16	N3408-5302RB	983-8449●	6.01	5.00	4.60	3.97
20	3428-5602	439-927▲‡	8.21	7.38	6.99	5.16
20	N3428-5302RB	983-8031●	6.41	5.34	4.91	4.24
26	3429-5602	439-939▲‡	8.99	8.07	7.65	5.61
26	N3429-5302RB	983-8040●	6.84	5.69	5.23	4.52
34	3431-5602	439-940▲‡	12.73	11.46	10.83	7.98
34	N3431-5302RB	983-8058●	9.73	8.10	7.45	6.43
40	3432-5602	439-952▲‡	12.92	11.64	10.95	8.07
40	N3432-5302RB	983-8066●	9.86	8.21	7.55	6.52
50	3433-5602	439-964▲‡	13.45	12.12	11.46	8.40
50	N3433-5302RB	983-8074●	10.26	8.53	7.85	6.78
60	3372-5602	439-976▲‡	14.51	12.57	12.33	9.09
60	N3372-5302RB	983-8082●	11.04	9.19	8.45	7.30
Long Latch Straight Pins click/bump						
10	3793-6602	439-988▲‡	6.74	6.03	5.70	4.20
10	N3793-6302RB	983-8090●	5.27	4.38	4.03	3.48
14	3314-6602	439-990▲‡	7.11	6.39	6.06	4.47
14	N3314-6302RB	983-8104●	5.54	4.61	4.24	3.66
16	3408-6602	440-000▲‡	7.32	6.57	6.24	4.72
16	N3408-6302RB	983-8112●	5.74	4.78	4.39	3.79
20	3428-6602	440-024▲‡	8.21	7.38	6.99	5.16
20	N3428-6302RB	983-8120●	6.41	5.34	4.91	4.24
26	3429-6602	440-036▲‡	8.99	8.07	7.65	5.61
26	N3429-6302RB	983-8139●	6.84	5.69	5.23	4.52
34	3431-6602	440-048▲‡	12.73	11.46	10.83	7.98
34	N3431-6302RB	983-8147●	9.73	8.10	7.45	6.43
40	3432-6602	440-050▲‡	12.92	11.64	10.95	8.07
40	N3432-6302RB	983-8155●	9.86	8.21	7.55	6.52
50	3433-6602	440-127▲‡	13.45	12.12	11.46	8.40
50	N3433-6302RB	983-8163●	10.26	8.53	7.85	6.78
60	3372-6602	440-139▲‡	14.51	12.57	12.33	9.09
60	N3372-6302RB	983-8171●	11.04	9.19	8.45	7.30
64	3764-6602	326-3125▲‡	21.15	19.26	18.24	16.62
64	N3764-6302RB	983-8457●	21.15	18.04	16.44	14.33
Short Latch 90° Pins click/bump						
10	3793-5502	413-9495▲‡	5.73	5.31	5.01	4.62
10	N3793-5202RB	983-8520●	6.21	5.17	4.75	4.11
14	3314-5502	413-9501▲‡	6.24	5.76	5.46	5.01
14	N3314-5202RB	983-8538●	6.57	5.47	5.03	4.34
16	3408-5502	413-9513▲‡	6.30	5.82	5.52	5.04
16	N3408-5202RB	983-8554●	6.64	5.53	5.08	4.39
20	3428-5502	413-9525▲‡	6.93	6.39	6.06	5.58
20	N3428-5202RB	983-8562●	7.30	6.07	5.59	4.82
34	3431-5502	413-9562▲‡	8.31	7.68	7.26	6.69
34	N3431-5202RB	983-8570●	8.74	7.28	6.69	5.78
50	3433-5502	413-9574▲‡	10.35	9.57	9.09	8.34
50	N3433-5202RB	983-8589●	10.91	9.08	8.35	7.21
Short Latch Straight Pins						
10	3793-6502	413-9434▲‡	5.94	5.46	5.19	4.77
10	N3793-6202RB	983-8490●	6.41	5.34	4.91	4.24
14	3314-6502	440-255▲‡	6.93	6.12	5.55	4.05
14	N3314-6202RB	983-8180●	5.06	4.21	3.88	3.35
16	3408-6502	413-9446▲‡	6.54	6.06	5.73	5.28
16	N3408-6202RB	983-8503●	6.90	5.74	5.28	4.56
20	3428-6502	440-292▲‡	8.33	7.32	6.69	4.86
20	N3428-6202RB	983-8198●	6.08	5.06	4.65	4.02
26	3429-6502	440-309▲‡	9.36	8.25	7.50	5.46
26	N3429-6202RB	983-8201●	6.64	5.53	5.08	4.39
34	3431-6502	440-334▲‡	8.77	8.22	7.47	5.43
34	N3431-6202RB	983-8210●	6.64	5.53	5.08	4.39
40	3432-6502	440-449▲‡	10.95	9.66	8.76	6.39
40	N3432-6202RB	983-8228●	7.82	6.51	5.99	5.17
50	3433-6502	440-486▲‡	18.66	16.44	14.97	10.89
50	N3433-6202RB	983-8236●	13.28	11.05	10.16	8.78
64	3764-6502	413-9483▲‡	14.67	13.56	12.84	11.82
64	N3764-6202RB	983-8511●	11.04	9.19	8.45	7.30
Ejectors						
3505-31		413-9173●	0.63	0.56	0.50	0.44



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

Advanced warning of obsolete components

Male PCB Mounting Headers (with latches)

Class III

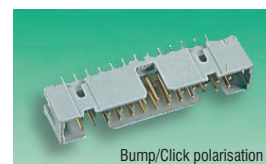
- Long latch headers are for use with sockets with strain relief, the short latch headers work with sockets without strain relief.
- All types are bump and click side polarised.

208964

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Long Latch 90° Pins click/bump							
14	3314-5602UG	440-504	6.83	6.15	5.73	3.93	--
16	3408-5602UG	440-516▲	9.05	7.98	7.05	4.86	--
60	3372-5602UG	440-784	14.45	12.99	12.03	8.37	--
Short Latches 90° Pins click/bump							
14	3314-5502UG	442-756	6.83	6.15	5.73	3.93	--
30	3440-5502UG	442-793	9.77	8.79	8.16	5.67	--

Male PCB Mounting Header (Optional Long Latches)

Low Profile - Class II



- Straight and 90° pins
- Low profile space saving design
- Optional snap in long latches for sockets using strain relief clip

208963

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+	+
90° Pins								
10	2510-5002	972-551▲‡	4.15	3.72	3.54	2.79	--	--
10	N2510-5002RB	983-8350●	3.24	2.70	2.48	2.14	--	--
14	2514-5002	972-563▲‡	4.84	4.38	4.11	3.27	--	--
14	N2514-5002RB	983-8368●	3.78	3.15	2.89	2.50	--	--
16	2516-5002	972-575▲‡	5.09	4.59	4.35	3.42	--	--
16	N2516-5002RB	983-8376●	3.98	3.31	3.05	2.63	--	--
20	2520-5002	972-587▲‡	5.24	4.71	4.47	3.54	--	--
20	N2520-5002RB	983-8384●	4.12	3.43	3.15	2.72	--	--
24	2524-5002	326-7192▲‡	5.05	4.59	4.38	3.96	--	--
24	N2524-5002RB	983-8465●	5.47	4.55	4.19	3.61	--	--
26	2526-5002	972-599▲‡	6.99	6.27	5.94	4.71	--	--
26	N2526-5002RB	983-8392●	5.47	4.55	4.19	3.61	--	--
30	2530-5002	326-7209▲‡	5.37	4.86	4.65	4.20	--	--
30	N2530-5002RB	983-8473●	5.81	4.83	4.44	3.84	--	--
34	2534-5002	972-605▲‡	7.74	6.96	6.57	5.22	--	--
34	N2534-5002RB	983-8406●	6.08	5.06	4.65	4.02	--	--
40	2540-5002	972-617▲‡	8.08	7.29	6.90	5.46	--	--
40	N2540-5002RB	983-8414●	6.35	5.28	4.86	4.19	--	--
60	2560-5002	972-630▲‡	11.39	10.23	9.66	7.68	--	--
60	N2560-5002RB	983-8422●	8.68	7.22	6.64	5.73	--	--
Straight Pins								
10	2510-6002	468-885▲‡	4.43	3.90	3.57	2.58	--	--
10	N2510-6002RB	983-8244●	3.24	2.70	2.48	2.14	--	--
14	2514-6002	468-897▲‡	5.18	4.56	4.14	3.03	--	--
14	N2514-6002RB	983-8252●	3.78	3.15	2.89	2.50	--	--
16	2516-6002	468-903▲‡	5.46	4.83	4.41	3.21	--	--
16	N2516-6002RB	983-8260●	3.98	3.31	3.05	2.63	--	--
20	2520-6002	468-915▲‡	5.62	4.95	4.53	3.27	--	--
20	N2520-6002RB	983-8279●	4.12	3.43	3.15	2.72	--	--
24	2524-6002	326-7210▲‡	4.74	4.32	4.08	3.75	--	--
24	N2524-6002RB	983-8481●	5.13	4.27	3.93	3.39	--	--
26	2526-6002	468-927▲‡	7.49	6.60	6.00	4.38	--	--
26	N2526-6002RB	983-8287●	5.47	4.55	4.19	3.61	--	--
30	2530-6002	727-600▲‡	7.43	6.69	6.21	4.32	--	--
30	N2530-6002RB	983-8333●	5.87	4.89	4.50	3.88	--	--
34	2534-6002	468-939▲‡	8.27	7.29	6.66	4.83	--	--
34	N2534-6002RB	983-8295●	6.08	5.06	4.65	4.02	--	--
40	2540-6002	468-940▲‡	8.61	7.65	6.93	5.01	--	--
40	N2540-6002RB	983-8309●	6.35	5.28	4.86	4.19	--	--
50	2550-6002	468-952▲‡	9.95	8.79	7.98	5.79	--	--
50	N2550-6002RB	983-8317●	7.10	5.91	5.43	4.69	--	--
60	2560-6002	468-964▲‡	12.17	10.77	9.78	7.11	--	--
60	N2560-6002RB	983-8325●	8.68	7.22	6.64	5.73	--	--
64	2564-6002	727-611▲‡	13.20	11.85	11.01	7.62	--	--
64	N2564-6002RB	983-8341●	9.86	8.21	7.55	6.52	--	--
Long Snap-in Latches								
			Order Code		1+	+	+	
Pack 20 (for 10 headers)			587-576●		5.12	--	--	--

Male PCB Mounting Header (Optional Long Latches)

Low Profile - Class III

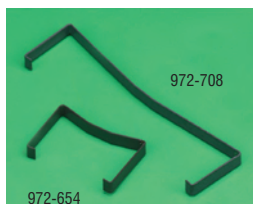
- All types will accommodate both bump and click polarisation.
- Optional long latches for sockets using strain relief

208962

No. of Mfrs. Ways	List No.	Order Code	1+	10+	Price Each		50+	100+	+	+
90° Pins										
10	2510-5002UG	443-396▲	3.31	2.97	2.82	2.07	--	--	--	--
16	2516-5002UG	443-440▲	4.02	3.66	3.42	2.52	--	--	--	--
20	2520-5002UG	443-451▲	3.90	3.72	3.48	2.55	--	--	--	--
26	2526-5002UG	443-463▲	4.68	4.20	3.99	2.94	--	--	--	--
34	2534-5002UG	443-610▲	5.43	4.89	4.83	3.39	--	--	--	--
40	2540-5002UG	443-621▲	5.74	5.49	5.22	3.81	--	--	--	--

No. of Ways	Mfrs.	Order	Price Each						
Straight Pins	List No.	Code	1+	10+	50+	100+			
10	2510-6002UG	443-657▲	3.31	2.97	2.82	2.07	--	--	
14	2514-6002UG	443-694▲	3.93	3.54	3.33	2.46	--	--	
16	2516-6002UG	443-700▲	4.02	3.66	3.42	2.52	--	--	
20	2520-6002UG	443-712▲	3.90	3.72	3.48	2.55	--	--	
26	2526-6002UG	443-785▲	4.68	4.20	3.99	2.94	--	--	
34	2534-6002UG	443-815▲	5.43	4.89	4.83	3.39	--	--	
40	2540-6002UG	443-827▲	5.74	5.49	5.22	3.81	--	--	
50	2550-6002UG	443-839▲	7.11	6.42	6.06	4.47	--	--	
				Price Per Pack					
Long Snap-in Latches				Order Code	1+	+	+		
Pack 20 (for 10 headers)				587-576●	5.12	--	--		

Retainer Clip



- Low profile header/socket retainer clip

3M

208960

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
For Sockets With Strain Relief's							
10	3505-8110	972-654●	2.02	1.83	1.64	1.55	--
14	3505-8114	972-666●	2.02	1.83	1.64	1.35	--
16	3505-8116	972-678●	2.02	1.83	1.64	1.35	--
20	3505-8120	972-680●	2.02	1.83	1.64	1.35	--
26	3505-8126	972-691●	2.02	1.83	1.64	1.35	--
34	3505-8134	972-708●	2.02	1.83	1.64	1.35	--
50	3505-8150	972-721●	2.05	1.83	1.64	1.32	--
For Sockets Without Strain Relief's							
10	3505-8010	326-9917●	1.64	1.48	1.42	1.32	--
14	3505-8014	326-9929●	1.64	1.48	1.42	1.32	--
16	3505-8016	326-9930●	1.64	1.48	1.42	1.32	--
20	3505-8020	326-9942●	1.64	1.48	1.42	1.32	--
26	3505-8026	326-9966●	1.64	1.48	1.42	1.32	--
34	3505-8034	326-9980●	1.64	1.48	1.42	1.32	--
40	3505-8040	326-9991●	1.64	1.48	1.42	1.32	--
50	3505-8050	327-0002●	1.64	1.48	1.42	1.32	--

208844

Male, Cable Mounted Header
Class II

- Cable mounted header with or without mounting lugs
- Headers are bump and click polarised (10 way is bump only).

3M

208961

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Straight Pins - With Mounting Lugs						
10	4610-6050	525-091●	11.58	10.41	9.84	7.23
14	4614-6000	727-556●	13.01	11.73	11.04	8.13
16	4616-6000	727-568●	13.98	12.60	11.85	8.73
20	4620-6000	469-166●	15.26	13.74	12.99	9.54
26	4626-6000	469-178●	18.00	16.23	15.33	11.25
30	4630-6000	727-570●	29.33	26.40	24.45	16.98
34	4634-6000	469-180●	17.85	16.08	15.15	11.13
40	4640-6000	469-191●	21.15	18.99	17.94	13.20
50	4650-6000	469-208●	23.59	21.24	20.04	14.76
60	4660-6000	727-581●	26.99	24.30	22.92	16.89
64	4664-6000	727-593●	31.39	28.26	26.19	18.15
Straight Pins - Without Mounting Lugs						
10	4610-6051	413-9045●	13.29	12.30	11.64	10.71
14	4614-6001	413-9057●	16.23	15.00	14.22	13.08
16	4616-6001	413-9069●	16.29	15.06	14.25	13.11
20	4620-6001	413-9070●	15.60	14.40	13.68	12.57
26	4626-6001	413-9082●	19.17	17.73	17.01	15.45
34	4634-6001	413-9094●	22.71	21.03	19.92	18.30
40	4640-6001	413-9100●	24.21	22.41	21.21	19.50
50	4650-6001	413-9112●	25.53	23.61	22.38	20.46
64	4664-6001	413-9124●	29.07	26.88	25.50	23.43
Strain Relief Clips						
10	3448-4610	327-1353●	2.24	2.14	--	--
16	3448-4616	327-1377●	4.00	3.65	3.56	3.21
20	3448-4620	327-1389●	3.09	2.84	2.68	2.43
26	3448-4626	413-9150●	2.39	2.20	2.08	1.92

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Strain Relief Clips						
34	3448-4634	327-1419●	2.68	2.46	2.33	2.19
40	3448-4640	327-1420●	4.32	4.00	3.78	3.46
50	3448-4650	327-1432●	1.67	1.54	1.45	1.35
Ejectors						
Short	3505-16	413-9136●	0.56	0.53	0.50	0.44
Long	3505-17	413-9148●	0.56	0.53	0.50	0.44

Polarisation Clip

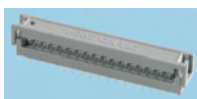


- Used with 3M headers for polarisation
- Use one clip for 10 way
- Use two clips for 14 way and above.

3M

20 Per Pack	Mfrs. List No.	Order Code	1+	10+	50+
	3518	468-423●	7.47	6.03	5.42

PCB Transition Connectors



- Used as a termination to hard wire ribbon cable into a PCB
- Phosphor bronze contact on 2 row, beryllium copper on 4 row

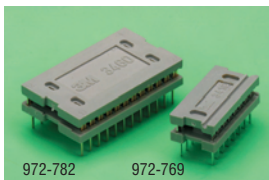
3M

2 row type pin-out is 2.54mm (0.1") plain grid.
4 row type pin-out is a staggered grid.

208959

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+	+
2 Row								
10	7810-0000PR	913-8714●	3.41	2.77	2.48	2.08	--	--
14	7814-0000PR	913-8722●	3.63	2.96	2.65	2.21	--	--
16	7816-0000PR	913-8730●	3.63	2.96	2.65	2.21	--	--
20	7820-0000PR	913-8749●	4.01	3.26	2.92	2.44	--	--
26	7826-0000PR	913-8757●	4.30	3.50	3.13	2.62	--	--
34	05113828408	469-269▲±	5.52	4.95	4.71	3.42	--	--
34	7834-0000PR	913-8765●	4.75	3.86	3.46	2.89	--	--
40	7840-0000PR	913-8773●	5.12	4.16	3.73	3.12	--	--
50	7850-0000PR	913-8781●	5.86	4.76	4.26	3.57	--	--
Strain Relief Clips for 2 Row Connectors								
64	3448-3964	327-1870▲	1.89	1.70	1.64	1.49	--	--
4 Row								
10	3474-0005VZB	469-300▲±	2.78	2.58	2.34	1.71	--	--
10	3474-0005PR	918-3990●	2.37	1.93	1.73	1.44	--	--
20	3422-0005PR	918-4015●	6.08	4.95	4.43	3.70	--	--
26	3434-0005PR	918-4023●	4.30	3.50	3.13	2.62	--	--
34	3402-0005VZB	469-348▲±	5.49	4.35	3.18	2.91	--	--
34	3402-0005PR	918-4031●	4.15	3.38	3.02	2.53	--	--
40	3418-0005VZB	327-1894▲±	8.49	7.74	7.32	6.69	--	--
40	3418-0005PR	918-4040●	5.79	4.70	4.21	3.52	--	--
50	3426-0005VZB	327-1900▲±	9.67	8.79	8.37	7.62	--	--
50	3426-0005PR	918-4058●	8.77	7.05	6.51	5.64	--	--

DIP Connectors



- Designed to mate with standard IC sockets
- Strong legs, less susceptible to bending or breaking
- Tin plating

Current rating 1A
Insulation resistance > 1 x 10⁹Ω @ 500V dc
Temperature range -55°C to +105°C
Material Glass Filled Polyester (PBT) UL94V-0
Contact Beryllium Copper, Tin Plated

208842

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+	+
14	3406-3010T	972-757▲±	6.02	5.43	5.16	3.81	--	--
14	3406-0000PR	103-4425●	6.19	5.03	4.50	3.77	--	--
24	3460-4000T	972-782▲	9.05	8.13	7.68	5.25	--	--
40	3508-4000T	972-800●	16.07	14.46	13.68	9.69	--	--

Gold DIP Connectors

0.100" x 0.300" (2.54 x 7.62mm)



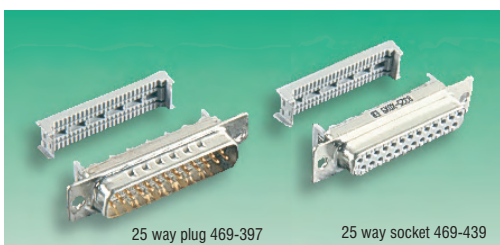
- Fits standard IC sockets
- Gold plated
- Low profile
- Rectangular PCB pins

3M

208905

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+	+
Dual in line connectors								
16	3416-3000	327-1924▲	4.12	3.78	3.57	3.24	--	--
16	3416-0000S/EC	103-4421●	5.04	4.10	3.67	3.07	--	--
Order Multiple=5			5+	10+	50+	100+	+	+
Strain Reliefs								
14	3448-7	868-6084●	1.24	1.11	1.07	0.98	--	--
16	3448-8	868-6092●	1.46	1.30	1.24	1.17	--	--

'D' Tin and Dimple



25 way plug 469-397

25 way socket 469-439

- Delta 'D' connectors have a steel shell, provides screening continuity when correctly mounted
- Contacts beryllium copper with gold plating
- UL recognised and CSA approved

Current rating	2A @ 70°C	Housing	Steel, tin Plating over copper
Contact resistance	20mΩ max.	Insulator	Grey Polyester, UL94V-0
Working voltage	350V ac/dc	Contacts	Formed, Beryllium Copper
Temperature range	-55°C to +125°C	Plating	(30μ") 0.76μ Gold over 1.27μ Nickel (Wiping area)
Mating Cycles	200		

208958

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Plugs							
9	8209-8009	469-373●	22.50	21.03	19.17	13.92	--
15	8215-8009	469-385●	26.68	23.55	21.36	15.60	--
25	8225-8009	469-397●	29.48	26.04	23.67	17.22	--
37	8237-8009	469-403●	44.46	39.27	35.70	25.98	--
50	8250-6005	727-507●	71.67	64.53	59.79	41.49	--
Sockets							
9	8309-8009	469-415●	25.71	22.71	20.61	15.00	--
15	8315-8009	469-427●	28.98	25.62	23.28	16.95	--
25	8325-8009	469-439●	32.29	28.53	25.89	18.84	--
37	8337-8009	469-440●	48.14	42.54	38.67	28.14	--
50	8350-6005	727-519●	77.91	70.11	64.98	45.09	--
Order Multiple=5			5+	10+	50+	100+	+
Strain Relief Clips							
9	3448-8D09A	972-812●	1.01	0.91	0.85	0.57	--
15	3448-8D15A	972-824●	0.98	0.91	0.88	0.60	--
25	3448-8D25A	972-836●	0.98	0.91	0.85	0.60	--
37	3448-8D37A	972-848●	0.98	0.91	0.85	0.60	--
50	3448-8D50A	972-850●	2.43	2.14	2.02	1.45	--

Metallised Plastic EMI Junction Shell



- Easy assemble
- Lightweight, compact design
- Supplied with hardware on 4-40 UNC thread, 2 x Jackscrews, 2 x Saddle washers and 2 nuts
- No tooling required for shielding

Material	ABS Thermoplastic
Plating	Nickel over Copper

210033

3M

No. of Mfrs. Ways List No.	Order Code	1+	10+	50+	+	+	+
9	3357-6509	300-0114▲	10.75	9.56	9.08	--	--
9	3357-6509-1C	111-6700●	10.75	9.56	9.08	--	--
15	3357-6515	300-0126▲	11.30	10.28	9.50	--	--
15	3357-6515-1C	111-6701●	11.30	10.28	9.50	--	--
25	3357-6525	300-0138▲	12.03	10.68	10.13	--	--
25	3357-6525-1C	111-6703●	11.82	10.88	10.14	--	--
37	3357-6537	300-0140▲	18.09	16.12	15.25	--	--
37	3357-6537-1C	111-6704●	18.09	16.12	15.25	--	--

IDC 'D' Type Ribbon Connectors
Centronics Style

- 0.05" pitch cable
- Low profile
- Plug and Socket connectors

Bailmount

208899

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Bailmount - Wiremount Plug							
24	3548-1001	327-3830●	19.72	17.97	17.01	15.51	--
36	3366-1001	327-3842●	24.46	22.26	21.09	19.23	--
50	3564-1001	327-3866●	27.83	25.32	24.00	21.84	--
Bailmount - Wiremount Socket							
24	3549-1000	413-9240●	20.64	19.08	18.09	16.62	--
Strain Relief Clips							
Order Multiple=5			5+	10+	50+	100+	+
24	3448-61	327-3880●	1.54	1.42	1.35	1.23	--

Plastic Junction Shells

Flat Cable Entry



- For use with flat cable
- Uses standard 'D' shell hardware
- Light weight, compact size

208900

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	+	+
9	3485-2100F	327-3738●	8.61	7.83	7.37	--	--
15	3485-2200F	327-3740●	9.44	8.49	8.09	--	--
25	3485-2300F	327-3751●	9.65	8.70	8.26	--	--
37	3485-2400F	327-3763●	9.86	8.95	8.43	--	--

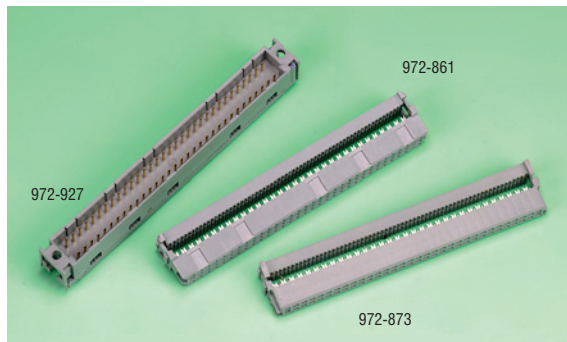
EMI Protecting 'D' Shell



- For use with flat and round cable
- Easy assembly
- High weight, compact design

208903

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	+	+
9	3357-9209	327-3672●	12.78	11.54	10.92	--	--
15	3357-9215	327-3684●	15.06	13.58	12.88	--	--
25	3357-9225	327-3696●	17.01	15.32	14.56	--	--
37	3357-9237	327-3702●	22.43	20.20	19.18	--	--
50	3357-9250	327-3714●	26.46	--	--	--	--
Latch bracket for 50 Way 3505-62			327-3726●	4.48	--	--	--

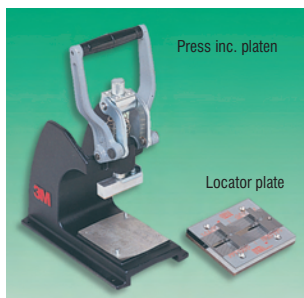
64 Way 'B' and 'C', 96 Way 'C' Body DIN41612 Class II**3M**

- DIN41612 compatible
- Mates with DIN41612 headers, types B and C
- High density, 96 position, on 0.033" pitch
- Strain relief clips available
- 64 Way 'C' bodies are not fully loaded

Current rating 1A Temperature range -55°C to +125°C
 Withstand voltage 1kV rms @ sea level Housing Glass Reinforced Polyester **UL94V-0**
 Insulation resistance >1 x 1000G Ω @ 500V dc Contact material Copper alloy, Gold Plated

208841

No. of Ways	Style / Loading	Mfrs. List No.	Order Code	1+	10+	Price Each 50+	100+	+
Sockets - Without Flange								
64	B body a+b	62B64-1000EC	935-9966	18.32	14.72	13.46	11.79	--
64	C body a+c	62C64-1100EC	935-9974	17.96	14.43	13.20	11.56	--
96	C body a+b+c	62C96-1200EC	935-9982	26.26	21.10	19.55	17.36	--
Sockets - With Flange								
64	B body a+b	62B64-1001EC	935-9990	18.32	14.72	13.46	11.79	--
64	C body a+c	62C64-1101EC	936-0000	17.96	14.43	13.20	11.56	--
96	C body a+b+c	62C96-1201EC	936-0018	26.44	21.24	19.68	17.47	--
Plug								
64	C body a+c	3695-0000	972-927	34.79	31.29	29.58	21.03	--
Strain Relief Clips								
For non flange types				3448-6201	972-940	1+	2.51	
						Price Each		
						1+		
						10+		
						50+		
						100+		
						+		
For flange types				3395-0000	972-939	4.66	4.38	4.13
For use with 'Europlug'				3448-3695	972-952	2.96	2.80	2.71

Assembly Tooling**3M**

- Bench fixed production press
- Press supplied with a 3442-9 platen

208957

Mfrs. List No.	Order Code	Price Each
Press Tool		1+
3640	469-531	1,012.17
Locator Plates - All Female Sockets		
3443-94	310-8533	1,355.66

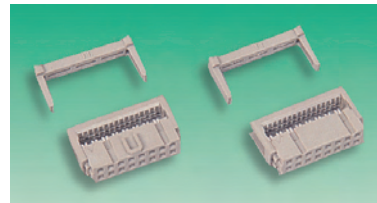
BT224 Type IDC Connectors

- Complies with **BS9525 F0026 type B**
- Meets dimensional requirements of various standards, including: **BT224, BS9525 F0023, NFC93-428 (HE10), MIL-C-83503 and DIN41651**
- Bump polarised female sockets used with the clip polarised header give bump and clip polarisation

Current rating 1A
 Voltage rating 350V
 Dielectric withstand voltage 1050Vac
 Housing Glass filled PBT polyester (Grey) **UL94V-0**
 Contacts Brass
 Contact resistance 20mΩmax
 Contact plating Hard acid Gold
 Contact plating 100 cycles (class III)
 200 cycles (class II)
 Operating temperature -40°C to +105°C (Limited by cable only)
 Max PCB thickness (mounting header pins) 2.4mm
 PCB pin spacing (headers) 2.54mm
 PCB hole size (headers) 0.9mm
 Dielectric withstanding voltage (sea level) 1050V min dc or ac peak
 Current rating (all contacts simultaneously) 1A @ 60°C
 Voltage rating 350V dc or ac peak
 Contact resistance, mated (after conditioning) <20mΩ
 Insulation resistance (initially) 1⁹Ω

Specifications common to all BT224 Type IDC connectors unless otherwise stated.

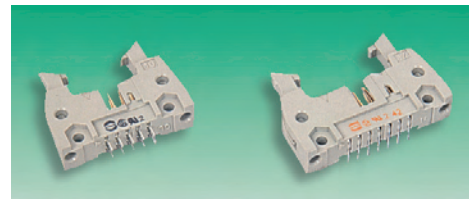
208939

Female Socket Connectors (with strain relief) Class II**HARTING**

Bump/Clip polarisation 248-988 Clip polarisation 249-063

208948

No. of Ways	Mfrs. List No.	Order Code	1+	25+	Price Each 50+	100+	+	+
Bump/Clip Polarisation								
10	0918 510 6813.	248-964	3.73	3.53	3.34	3.02	--	--
10	0918 510 6813	110-6726	3.73	3.53	3.34	3.02	--	--
14	0918 514 6813.	248-976	4.44	4.17	3.98	3.53	--	--
14	0918 514 6813	110-6728	4.44	4.17	3.98	3.53	--	--
16	0918 516 6813.	248-988	4.61	4.33	4.14	3.66	--	--
16	0918 516 6813	110-6729	4.61	4.33	4.14	3.66	--	--
20	0918 520 6813.	248-990	4.91	4.65	4.43	3.95	--	--
20	0918 520 6813	110-6730	4.91	4.65	4.43	3.95	--	--
26	0918 526 6813.	249-002	6.71	6.36	6.00	5.39	--	--
26	0918 526 6813	110-6731	6.71	6.36	6.00	5.39	--	--
34	0918 534 6813.	249-014	7.38	6.61	6.36	5.65	--	--
34	0918 534 6813	110-6732	7.38	6.61	6.36	5.65	--	--
40	0918 540 6813.	249-026	7.54	7.13	6.61	6.00	--	--
40	0918 540 6813	110-6733	7.54	7.13	6.61	6.00	--	--
50	0918 550 6813.	249-038	9.45	8.38	7.90	7.16	--	--
50	0918 550 6813	110-6734	9.45	8.38	7.90	7.16	--	--

Male PCB Mounting Headers (with latches) Class II**HARTING**Vertical PCB mounting 249-129 Right angle PCB mounting 249-210
Mounting holes accept M2.5 bolts or No. 4 self tappers

208949

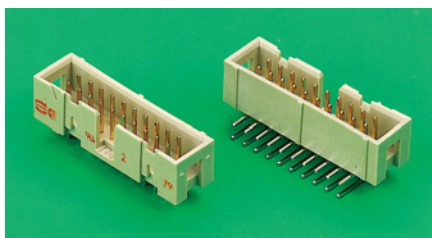
No. of Mfrs. Ways	List No.	Order Code	1 +	25 +	50 +	100 +	Price Each	+	+
Straight PCB Pins (Bump or Clip Polarisation)									
10	0918 510 6904.	249-129‡	2.94	2.82	2.73	2.50		--	--
10	0918 510 6904	109-6883●	2.94	2.82	2.73	2.50		--	--
14	0918 514 6904.	249-130‡	3.34	3.21	3.11	2.86		--	--
14	0918 514 6904	109-6884●	3.34	3.21	3.11	2.86		--	--
16	0918 516 6904.	249-142‡	3.47	3.37	3.27	2.99		--	--
16	0918 516 6904	109-6885●	3.47	3.37	3.27	2.99		--	--
20	0918 520 6904.	249-154‡	3.84	3.69	3.56	3.27		--	--
20	0918 520 6904	109-6887●	3.84	3.69	3.56	3.27		--	--
26	0918 526 6904.	249-166‡	4.44	4.27	4.14	3.82		--	--
26	0918 526 6904	109-6888●	4.44	4.27	4.14	3.82		--	--
34	0918 534 6904.	249-178‡	5.24	5.07	4.91	4.49		--	--
34	0918 534 6904	109-6889●	5.24	5.07	4.91	4.49		--	--
40	0918 540 6904.	249-180‡	5.61	5.39	5.23	4.78		--	--
40	0918 540 6904	109-6890●	5.61	5.39	5.23	4.78		--	--
50	0918 550 6904.	249-191‡	6.55	6.32	6.10	5.59		--	--
50	0918 550 6904	109-6891●	6.55	6.32	6.10	5.59		--	--
	0918 564 6904	120-7601●	9.57	8.27	7.52	6.48		--	--
90° PCB Pins (Bump or Clip Polarisation)									
10	0918 510 6903.	249-208‡	3.10	3.02	2.89	2.66		--	--
10	0918 510 6903	109-6892●	3.10	3.02	2.89	2.66		--	--
14	0918 514 6903.	249-210‡	3.47	3.37	3.27	2.99		--	--
14	0918 514 6903	109-6893●	3.47	3.37	3.27	2.99		--	--
16	0918 516 6903.	249-221‡	3.61	3.47	3.37	3.08		--	--
16	0918 516 6903	109-6894●	3.61	3.47	3.37	3.08		--	--
20	0918 520 6903	114-2806●	4.08	3.95	3.82	3.47		--	--
26	0918 526 6903.	249-245‡	4.64	4.46	4.30	3.98		--	--
26	0918 526 6903	109-6895●	4.64	4.46	4.30	3.98		--	--
34	0918 534 6903.	249-257‡	5.61	5.39	5.23	4.78		--	--
34	0918 534 6903	109-6896●	5.61	5.39	5.23	4.78		--	--
40	0918 540 6903.	249-269‡	6.28	6.07	5.87	5.36		--	--
40	0918 540 6903	109-6897●	6.28	6.07	5.87	5.36		--	--
50	0918 550 6903.	249-270‡	7.07	6.84	6.61	6.03		--	--
50	0918 550 6903	109-6899●	7.07	6.84	6.61	6.03		--	--
Polarisation Keys (Pair)						Price Per Pair			
	0918 500 9902	114-2807●					1.17		
Order polarisation keys 10 and 14 way require 1, 16 to 50 way require 2 (1 pair)									

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

Male PCB Mounting Headers (low profile)

Class II

HARTING



Straight Pins H=8.9mm,
D=9.2mm
90° Pins
H=9.2mm, D=8.9mm

- A range of straight and right angled box headers
- Fully shrouded, bump polarised

Dimensions								
No. of Ways	10	14	16	20	26	34	40	50
Length	20.3	25.4	27.9	33.0	40.6	50.8	58.4	71.3

208835

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Straight PCB Pins							
10	0918 510 6324.	864-687	4.71	4.14	3.60	2.79	--
10	0918 510 6324	110-6832 ●	4.71	4.14	3.60	2.79	--
14	0918 514 6324.	864-699	4.98	4.37	3.88	3.18	--
14	0918 514 6324	110-6833 ●	4.98	4.37	3.88	3.18	--
16	0918 516 6324.	864-705	5.97	5.26	4.56	3.53	--
16	0918 516 6324	110-6834 ●	5.97	5.26	4.56	3.53	--
20	0918 520 6324.	864-717	7.64	6.74	5.91	4.53	--
20	0918 520 6324	110-6835 ●	7.64	6.74	5.91	4.53	--
26	0918 526 6324.	864-729	8.28	7.29	6.36	4.91	--
26	0918 526 6324	110-6836 ●	8.28	7.29	6.36	4.91	--
34	0918 534 6324.	864-730	9.89	8.67	7.58	5.84	--
34	0918 534 6324	110-6837 ●	9.89	8.67	7.58	5.84	--
40	0918 540 6324.	864-742	10.52	9.28	8.09	6.23	--
40	0918 540 6324	110-6838 ●	10.52	9.28	8.09	6.23	--
50	0918 550 6324.	864-754	14.52	12.78	11.11	8.60	--
50	0918 550 6324	110-6839 ●	14.52	12.78	11.11	8.60	--
90° PCB Pins							
10	0918 510 6323.	864-766	4.71	4.14	3.60	2.79	--
10	0918 510 6323	110-6840 ●	4.71	4.14	3.60	2.79	--
14	0918 514 6323.	864-778	5.37	4.72	4.11	3.18	--
14	0918 514 6323	110-6841 ●	5.37	4.72	4.11	3.18	--
16	0918 516 6323.	864-780	5.97	5.26	4.56	3.53	--
16	0918 516 6323	110-6842 ●	5.97	5.26	4.56	3.53	--
20	0918 520 6323.	864-791	7.64	6.74	5.84	4.53	--
20	0918 520 6323	110-6844 ●	7.64	6.74	5.84	4.53	--
26	0918 526 6323.	864-808	8.69	7.65	6.68	5.16	--
26	0918 526 6323	110-6845 ●	8.69	7.65	6.68	5.16	--
34	0918 534 6323.	864-810	10.38	9.10	7.96	6.13	--
34	0918 534 6323	110-6846 ●	10.38	9.10	7.96	6.13	--
40	0918 540 6323.	864-821	10.52	9.28	8.09	6.23	--
40	0918 540 6323	110-6847 ●	10.52	9.28	8.09	6.23	--
50	0918 550 6323.	864-833	14.52	12.78	11.11	8.60	--
50	0918 550 6323	110-6848 ●	14.52	12.78	11.11	8.60	--
64	09185646323	120-0494 ●	9.31	--	--	--	--

Female Sockets (with & without Strain Relief)

Class III

HARTING



Mfrs. List No.
Sockets without strain relief 0918 5XX 7803
Where XX denotes number of ways
Sockets with strain relief 0918 5XX 7813

208896

No. of Ways	Order Code	1+	25+	50+	250+	+	+
Sockets Without Strain Relief							
6	302-2109	1.54	1.48	1.42	1.11	--	--
6	110-6769 ●	1.54	1.48	1.42	1.11	--	--
10	302-2110 ‡	1.86	1.75	1.68	1.34	--	--
10	109-7034 ●	1.86	1.75	1.68	1.34	--	--
14	302-2122 ‡	2.10	1.95	1.89	1.51	--	--
14	109-7035 ●	2.10	1.95	1.89	1.51	--	--
16	302-2134 ‡	2.25	2.09	2.03	1.62	--	--
16	109-7036 ●	2.25	2.09	2.03	1.62	--	--
20	302-2146 ‡	2.50	2.36	2.26	1.78	--	--
20	109-7037 ●	2.50	2.36	2.26	1.78	--	--
26	302-2158 ‡	2.81	2.62	2.53	1.98	--	--
26	109-7038 ●	2.81	2.62	2.53	1.98	--	--
34	302-2160 ‡	3.37	3.17	3.00	2.39	--	--
34	109-7041 ●	3.37	3.17	3.00	2.39	--	--

No. of Ways	Order Code	1+	25+	50+	250+	+	+
Sockets Without Strain Relief							
40	302-2171	3.75	3.51	3.37	2.67	--	--
40	110-6770 ●	3.75	3.51	3.37	2.67	--	--
50	302-2183 ‡	4.30	4.04	3.88	3.08	--	--
50	109-7042 ●	4.30	4.04	3.88	3.08	--	--
60	109-7043 ●	5.36	5.06	4.85	3.84	--	--
64	109-7044 ●	5.34	5.01	4.82	3.82	--	--
Socket With Strain Relief							
6	302-1993 ‡	1.72	1.62	1.55	1.22	--	--
6	109-7021 ●	1.72	1.62	1.55	1.22	--	--
10	302-2006 ‡	2.04	1.89	1.82	1.45	--	--
10	109-7022 ●	2.04	1.89	1.82	1.45	--	--
14	302-2018 ‡	2.35	2.23	2.09	1.68	--	--
14	109-7024 ●	2.35	2.23	2.09	1.68	--	--
16	302-2020 ‡	2.42	2.29	2.15	1.72	--	--
16	109-7025 ●	2.42	2.29	2.15	1.72	--	--
20	302-2031 ‡	2.73	2.56	2.46	1.95	--	--
20	109-7026 ●	2.73	2.56	2.46	1.95	--	--
26	302-2043 ‡	3.12	2.90	2.79	2.23	--	--
26	109-7028 ●	3.12	2.90	2.79	2.23	--	--
34	302-2055 ‡	3.64	3.43	3.31	2.62	--	--
34	109-7029 ●	3.64	3.43	3.31	2.62	--	--
40	302-2067 ‡	4.06	3.78	3.64	2.90	--	--
40	109-7030 ●	4.06	3.78	3.64	2.90	--	--
50	302-2079	4.91	4.59	4.42	3.51	--	--
50	302-2079	4.91	4.59	4.42	3.51	--	--
60	302-2080 ‡	5.85	5.46	5.26	4.18	--	--
60	109-7032 ●	5.85	5.46	5.26	4.18	--	--
64	302-2092 ‡	6.07	5.73	5.46	4.35	--	--
64	109-7033 ●	6.07	5.73	5.46	4.35	--	--
Locking Latches							
Pack 10		Price Per Pack					
		1+	5+	10+			
	963-458	13.77	12.24	12.24			

Male PCB Mounting Headers

Class III

HARTING



Mfrs' List No.
90° Box Headers 0918 5XX 7323
Where XX denotes number of ways
Straight Box Headers 0918 5XX 7324

208894

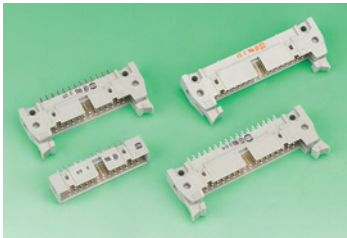
No. of Ways	Order Code	1+	25+	50+	250+	+	+
Straight PCB Header							
6	109-6984 ●	1.65	1.55	1.48	1.14	--	--
6	109-6984 ●	1.65	1.55	1.48	1.14	--	--
10	109-6984 ●	1.65	1.55	1.48	1.14	--	--
10	109-6985 ●	1.86	1.75	1.68	1.34	--	--
14	302-1440 ‡	2.17	2.03	1.95	1.55	--	--
14	109-6986 ●	2.17	2.03	1.95	1.55	--	--
16	302-1452 ‡	2.25	2.09	2.03	1.62	--	--
16	109-6987 ●	2.25	2.09	2.03	1.62	--	--
20	302-1464 ‡	2.50	2.36	2.26	1.78	--	--
20	109-6988 ●	2.50	2.36	2.26	1.78	--	--
26	302-1476 ‡	2.81	2.62	2.53	1.98	--	--
26	109-6991 ●	2.81	2.62	2.53	1.98	--	--
34	302-1488 ‡	3.26	3.10	2.93	2.36	--	--
34	109-6992 ●	3.26	3.10	2.93	2.36	--	--
40	302-1490 ‡	3.64	3.43	3.31	2.62	--	--
40	109-6993 ●	3.64	3.43	3.31	2.62	--	--
50	302-1506 ‡	4.20	3.98	3.78	3.00	--	--
50	109-6994 ●	4.20	3.98	3.78	3.00	--	--
60	302-1518	5.04	4.71	4.55	3.60	--	--
60	110-6742 ●	5.04	4.71	4.55	3.60	--	--
64	302-1520	5.29	4.99	4.76	3.78	--	--
64	110-6743 ●	5.29	4.99	4.76	3.78	--	--
90° PCB Header							
6	302-1312 ‡	1.65	1.55	1.48	1.14	--	--
6	109-6979 ●	1.65	1.55	1.48	1.14	--	--
10	302-1324 ‡	1.86	1.75	1.68	1.34	--	--
10	109-6980 ●	1.86	1.75	1.68	1.34	--	--
14	302-1336	3.04	2.67	2.43	1.95	--	--
14	110-6735 ●	3.04	2.67	2.43	1.95	--	--
16	302-1348 ‡	2.25	2.09	2.03	1.62	--	--
16	109-6981 ●	2.25	2.09	2.03	1.62	--	--
20	302-1350 ‡	2.50	2.36	2.26	1.78	--	--
20	109-6982 ●	2.50	2.36	2.26	1.78	--	--
26	302-1361 ‡	2.81	2.62	2.53	1.98	--	--
26	109-6983 ●	2.81	2.62	2.53	1.98	--	--
34	302-1373	3.26	3.10	2.93	2.36	--	--
34	110-6736 ●	3.26	3.10	2.93	2.36	--	--
40	302-1385	3.64	3.43	3.31	2.62	--	--

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

No. of Ways	Order Code	1+	25+	Price Each		+	+
				50+	250+		
40	110-6737	3.64	3.43	3.31	2.62	--	--
60	302-1403	5.04	4.71	4.55	3.60	--	--
60	110-6738	5.04	4.71	4.55	3.60	--	--
64	302-1415	5.29	4.99	4.76	3.78	--	--
64	110-6741	5.29	4.99	4.76	3.78	--	--

Male PCB Mounting Headers (with Latches)
Class III

HARTING



- Long Latch for sockets with strain relief
- 90° or Straight pin available

Mfrs. List No.
Straight Header with short latches 0918 5XX 7914 Where XX denotes number of ways
90° PCB headers with short latches 0918 5XX 7913
Straight Header with long latches 0918 5XX 7904
90° PCB headers with long latches 0918 5XX 7903

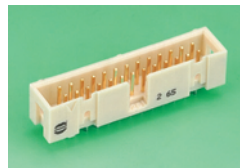
208895

No. of Ways	Order Code	1+	25+	Price Each		+	+
				50+	250+		
Straight PCB Header with Short Latches							
6	302-1889	2.04	1.89	1.82	1.45	--	--
6	110-6758	2.04	1.89	1.82	1.45	--	--
10	302-1890†	2.35	2.23	2.09	1.68	--	--
10	109-7016	2.35	2.23	2.09	1.68	--	--
14	302-1907	2.73	2.56	2.46	1.95	--	--
14	110-6760	2.73	2.56	2.46	1.95	--	--
16	302-1919	2.88	2.70	2.59	2.06	--	--
16	110-6761	2.88	2.70	2.59	2.06	--	--
20	302-1920†	3.19	2.96	2.87	2.29	--	--
20	109-7017	3.19	2.96	2.87	2.29	--	--
26	302-1932	3.57	3.37	3.23	2.56	--	--
26	110-6765	3.57	3.37	3.23	2.56	--	--
34	302-1944†	4.20	3.98	3.78	3.00	--	--
34	109-7018	4.20	3.98	3.78	3.00	--	--
40	302-1956†	4.54	4.24	4.08	3.78	--	--
40	109-7019	4.54	4.24	4.08	3.78	--	--
50	302-1968†	5.47	5.12	4.92	3.87	--	--
50	109-7020	5.47	5.12	4.92	3.87	--	--
60	302-1970	6.55	6.13	5.90	4.65	--	--
60	110-6766	6.55	6.13	5.90	4.65	--	--
64	302-1981	6.88	6.40	6.16	4.92	--	--
64	110-6767	6.88	6.40	6.16	4.92	--	--
90°C PCB Header with Short Latches							
6	302-1543	2.04	1.89	1.82	1.45	--	--
6	110-6744	2.04	1.89	1.82	1.45	--	--
10	302-1567	2.35	2.23	2.09	1.68	--	--
10	110-6745	2.35	2.23	2.09	1.68	--	--
14	302-1579	2.73	2.56	2.46	1.95	--	--
14	110-6746	2.73	2.56	2.46	1.95	--	--
16	302-1580	2.88	2.70	2.59	2.06	--	--
16	110-6747	2.88	2.70	2.59	2.06	--	--
20	302-1592	3.19	2.96	2.87	2.29	--	--
20	110-6748	3.19	2.96	2.87	2.29	--	--
26	302-1609	3.57	3.37	3.23	2.56	--	--
26	110-6749	3.57	3.37	3.23	2.56	--	--
34	302-1610†	4.20	3.98	3.78	3.00	--	--
34	109-6996	4.20	3.98	3.78	3.00	--	--
40	302-1622	3.87	3.68	3.58	3.12	--	--
40	110-6750	3.87	3.68	3.58	3.12	--	--
50	302-1634	5.47	5.12	4.92	3.87	--	--
50	110-6751	5.47	5.12	4.92	3.87	--	--
64	302-1658	6.88	6.40	6.16	4.92	--	--
64	110-6753	6.88	6.40	6.16	4.92	--	--
Straight PCB Header with Long Latches							
6	302-1774	2.04	1.89	1.82	1.45	--	--
6	110-6757	2.04	1.89	1.82	1.45	--	--
10	302-1786†	2.35	2.23	2.09	1.68	--	--
10	109-7005	2.35	2.23	2.09	1.68	--	--
14	302-1798†	2.73	2.56	2.46	1.95	--	--
14	109-7006	2.73	2.56	2.46	1.95	--	--
16	302-1804†	2.88	2.70	2.59	2.06	--	--
16	109-7007	2.88	2.70	2.59	2.06	--	--
20	302-1816†	3.19	2.96	2.87	2.29	--	--
20	109-7008	3.19	2.96	2.87	2.29	--	--
26	302-1828†	3.57	3.37	3.23	2.56	--	--
26	109-7009	3.57	3.37	3.23	2.56	--	--
34	302-1830†	4.20	3.98	3.78	3.00	--	--
34	109-7010	4.20	3.98	3.78	3.00	--	--
40	302-1841†	4.77	4.45	4.28	3.40	--	--
40	109-7011	4.77	4.45	4.28	3.40	--	--

No. of Ways	Order Code	1+	25+	Price Each		+	+
				50+	250+		
Straight PCB Header with Long Latches							
50	302-1853†	5.47	5.12	4.92	3.87	--	--
50	109-7012	5.47	5.12	4.92	3.87	--	--
60	302-1865†	6.55	6.13	5.90	4.65	--	--
60	109-7013	6.55	6.13	5.90	4.65	--	--
64	302-1877†	6.88	6.40	6.16	4.92	--	--
64	109-7014	6.88	6.40	6.16	4.92	--	--
90°C PCB Header with Long Latches							
6	302-1660	2.04	1.89	1.82	1.45	--	--
6	110-6755	2.04	1.89	1.82	1.45	--	--
10	302-1671†	2.35	2.23	2.09	1.68	--	--
10	109-6997	2.35	2.23	2.09	1.68	--	--
14	302-1683	2.73	2.56	2.46	1.95	--	--
14	110-6756	2.73	2.56	2.46	1.95	--	--
16	302-1695†	2.88	2.70	2.59	2.06	--	--
16	109-6998	2.88	2.70	2.59	2.06	--	--
20	302-1701†	3.19	2.96	2.87	2.29	--	--
20	109-6999	3.19	2.96	2.87	2.29	--	--
26	302-1713†	3.57	3.37	3.23	2.56	--	--
26	109-7000	3.57	3.37	3.23	2.56	--	--
40	302-1737†	4.77	4.45	4.28	3.40	--	--
40	109-7001	4.77	4.45	4.28	3.40	--	--
50	302-1749†	5.47	5.12	4.92	3.87	--	--
50	109-7002	5.47	5.12	4.92	3.87	--	--
64	302-1762†	6.88	6.40	6.16	4.92	--	--
64	109-7004	6.88	6.40	6.16	4.92	--	--

High Temperature PCB Mounting Headers
Class III

HARTING



- A range of high temperature SMC compatible connectors
- Ideally suited for PIHIR (Pin In Hole Intrusive Reflow) assembly
- Designed to withstand up to 225°C in reflow oven for 10-15 seconds
- Manual or pick and place insertion
- UL94V-0 rating

208897

No. of Ways	Mfrs. List No.	Order Code	1+	25+	Price Each		+	+
					50+	100+		
Right Angle with Long Latches								
40	0919 540 7903	318-0256	4.98	4.71	4.48	3.60	--	--
Straight with Long Latches								
10	0919 510 7904	318-0281	2.42	2.32	2.23	1.78	--	--
20	0919 520 7904	318-0311	3.37	3.20	2.96	2.46	--	--
26	0919 526 7904	318-0323	2.96	2.80	2.73	2.33	--	--
50	0919 550 7904	318-0359	5.44	5.11	4.92	4.23	--	--
Right Angle (No Latch)								
10	0919 510 7323	318-0372	2.00	1.89	1.75	1.45	--	--
10	0919 510 7323	110-6782	2.00	1.89	1.75	1.45	--	--
14	0919 514 7323	318-0384	2.15	2.02	1.95	1.66	--	--
20	0919 520 7323	318-0402	2.62	2.50	2.36	1.92	--	--
26	0919 526 7323	318-0414	2.98	2.84	2.70	2.15	--	--
26	0919 526 7323	110-6783	2.98	2.84	2.70	2.15	--	--
50	0919 550 7323	318-0440	4.45	4.24	4.01	3.23	--	--
Straight (No Latch)								
10	0919 510 7324	318-0463	1.90	1.80	1.67	1.38	--	--
10	0919 510 7324	110-6784	1.90	1.80	1.67	1.38	--	--
14	0919 514 7324	318-0475	2.17	2.05	1.96	1.57	--	--
14	0919 514 7324	110-6785	2.17	2.05	1.96	1.57	--	--
16	0919 516 7324	318-0487	2.27	2.18	2.02	1.67	--	--
16	0919 516 7324	110-6786	2.27	2.18	2.02	1.67	--	--
20	0919 520 7324	318-0499	2.62	2.50	2.36	1.92	--	--
20	0919 520 7324	110-6787	2.62	2.50	2.36	1.92	--	--
26	0919 526 7324	318-0505	2.80	2.70	2.64	2.28	--	--
34	0919 534 7324	318-0517	3.48	3.31	3.10	2.53	--	--
40	0919 540 7324	318-0529	3.85	3.67	3.48	2.79	--	--
50	0919 550 7324	318-0530	4.45	4.24	4.01	3.23	--	--
60	0919 560 7324	318-0542	5.32	5.09	4.79	3.84	--	--

64 way 'B' and 'C' Body DIN41612
Class II and Class III

HARTING



- Available in four options, with two contacts performance variant
 - i) a and b rows fully populated in a 2 row 'B' body housing
 - ii) a and c rows fully populated in a 3 row 'C' body housing

Working voltage 250Vac
Contact rating 1A
Mating cycles Class II (400) Class III (50)
Housing Thermoplastic
Contact material UL94V-0
Copper alloy, Gold plated

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

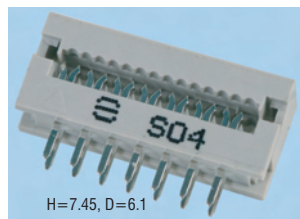
Mfrs. List No.B Body 0902-264-xx28 where xx=68 for Class II and 78 for Class III
Body 0903-264-xx28 where xx=68 for Class II and 78 for Class III

208932

	Order Code	1+	10+	50+	100+	+
Class II						
B body a/b	224-327‡	31.35	28.76	24.08	18.43	--
B body a/b	109-6875●	31.35	28.76	24.08	18.43	--
C body a/c	150-253‡	33.29	28.76	24.08	18.43	--
B body a/b	109-6867●	33.29	28.76	24.08	18.43	--
Class III						
	110-6725●	24.24	20.90	17.49	13.45	--
B body a/b	224-431	24.24	20.90	17.49	13.45	--
C body a/c	150-255‡	28.26	24.34	20.36	15.60	--
C body a/c	109-6868●	28.26	24.34	20.36	15.60	--

Mini DIP PCB Transition

HARTING



- Low cost, high quality IDC PCB 2 row connectors
- 10 through to 50 way

Mfrs. List No. 0918-1(xx)-9621.20
Where (xx) = No of ways

H=7.45, D=6.1

347395

No. of Ways	Width mm	Order Code	1+	10+	50+	100+	+
10	18	733-8210‡	3.32	2.93	2.67	2.18	--
10	18	109-7080●	3.32	2.93	2.67	2.18	--
14	23	733-8228‡	3.52	3.12	2.80	2.44	--
14	23	109-7081●	3.52	3.12	2.80	2.44	--
16	26	733-8236‡	3.68	3.32	2.93	2.47	--
16	26	109-7082●	3.68	3.32	2.93	2.47	--
20	31	733-8244‡	3.32	2.96	2.70	2.21	--
20	31	109-7083●	3.32	2.96	2.70	2.21	--
26	39	733-8252‡	4.85	4.26	3.78	3.12	--
26	39	109-7084●	4.85	4.26	3.78	3.12	--
34	49	733-8260‡	5.34	4.75	4.26	3.55	--
34	49	109-7085●	5.34	4.75	4.26	3.55	--
40	56	733-8279‡	6.32	5.58	5.02	4.17	--
40	56	109-7086●	6.32	5.58	5.02	4.17	--
50	69	733-8287‡	6.41	5.63	5.08	4.20	--
50	69	109-7087●	6.41	5.63	5.08	4.20	--

Quickie II IDC System



FCI's Quickie III female connectors and headers are designed to meet European standard specifications, including **DIN 41651**, **BT D2632** and **NFC/UTE 93428 (HE10)**

Body	Glass Filled Thermoplastic, UL94V-0	Temp Range	-65°C to +105°C
Colour	Sockets, Latching headers (Grey); Superslim headers (blue)	Withstand Voltage	1000Vrms
Contact Material	Phosphor Bronze	Current Rating	1A
Plating	Gold over Nickel GXT	Insulation	100000MRmin
Mechanical Endurance	>250 cycles	PCB	Max thickness 1.6mm; Hols Dia.1mm; Spacing 2.54mm (0.1") grid

208882

Female Sockets



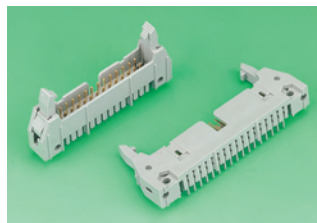
- Class II performance
- With or without strain relief clip
- Pre-loaded top cover
- Long contact wiping action
- Optional bump/clip polarisation

208884

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+
Bump/Click Polarisation (with standard strain relief)						
10	71600-010	322-6426▲	1.31	1.08	0.93	0.84
10	71600-010LF	110-3917●	1.40	1.16	1.00	0.90
14	71600-014	322-6438▲	1.40	1.14	0.99	0.87
14	71600-014LF	110-3918●	1.50	1.22	1.06	0.93
16	71600-016	322-6440▲	1.59	1.35	1.14	0.99
16	71600-016LF	110-3919●	1.70	1.44	1.22	1.06
20	71600-020	322-6451▲	1.78	1.47	1.29	1.11
20	71600-020LF	110-3920●	1.90	1.57	1.38	1.19
26	71600-026	322-6463▲	2.31	1.89	1.65	1.44
26	71600-026LF	110-3922●	2.47	2.02	1.77	1.54
34	71600-034	322-6475▲	3.00	2.49	2.16	1.86

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+
34	71600-034LF	110-3923●	3.21	2.66	2.31	1.99
40	71600-040	322-6487▲	3.53	2.94	2.52	2.22
40	71600-040LF	110-3924●	3.78	3.15	2.70	2.38
50	71600-050	322-6499▲	4.43	3.69	3.15	2.79
50	71600-050LF	110-3925●	4.74	3.95	3.37	2.99
60	71600-060	322-6505▲	5.30	4.41	3.78	3.30
60	71600-060LF	110-3926●	5.67	4.72	4.04	3.53
Bump/Click Polarisation (without strain relief)						
10	71600-110	322-6517▲	1.31	1.08	0.93	0.84
10	71600-110LF	110-3927●	1.40	1.16	1.00	0.90
14	71600-114	322-6529▲	1.40	1.14	0.99	0.87
14	71600-114LF	110-3928●	1.50	1.22	1.06	0.93
16	71600-116	322-6530▲	1.59	1.35	1.14	0.99
16	71600-116LF	110-3929●	1.70	1.44	1.22	1.06
20	71600-120	322-6542▲	1.78	1.47	1.29	1.11
20	71600-120LF	110-3930●	1.90	1.57	1.38	1.19
26	71600-126	322-6554▲	2.31	1.89	1.65	1.44
26	71600-126LF	110-3931●	2.47	2.02	1.77	1.54
34	71600-134	322-6566▲	3.00	2.49	2.16	1.86
34	71600-134LF	110-3932●	3.21	2.66	2.31	1.99
40	71600-140	322-6578▲	3.53	2.94	2.52	2.22
40	71600-140LF	110-3934●	3.78	3.15	2.70	2.38
50	71600-150	322-6580▲	4.43	3.69	3.15	2.79
50	71600-150LF	110-3936●	4.74	3.95	3.37	2.99
No Polarisation (with standard strain relief)						
10	71600-310	412-9106▲	1.32	1.08	0.93	0.84
10	71600-310LF	110-3961●	1.41	1.16	1.00	0.90
16	71600-316	412-9120▲	1.59	1.35	1.14	0.99
16	71600-316LF	110-3962●	1.70	1.44	1.22	1.06
26	71600-326	412-9143▲	2.31	1.89	1.65	1.44
26	71600-326LF	110-3963●	2.47	2.02	1.77	1.54
34	71600-334	412-9155▲	3.00	2.49	2.16	1.86
34	71600-334LF	110-3964●	3.21	2.66	2.31	1.99
40	71600-340	412-9167▲	3.54	2.94	2.52	2.22
40	71600-340LF	110-3965●	3.79	3.15	2.70	2.38

PCB Mounting Superslim Headers

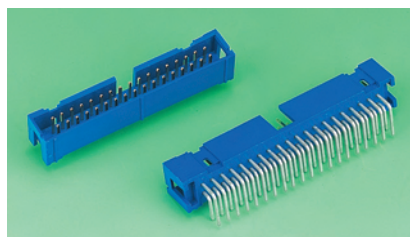


- Class II performance
- Long levers to suit strain relief clips
- 4 wall shielding for pin protection and alignment
- Straight and right angle types available
- Bump/clip polarisation

208883

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+
Straight PCB Header						
10	71918-110	322-6608▲	2.00	1.50	1.41	1.20
10	71918-110LF	110-3937●	2.14	1.61	1.51	1.28
14	71918-114	322-6610▲	2.78	2.10	1.98	1.65
14	71918-114LF	110-3938●	2.97	2.25	2.12	1.77
16	71918-116	322-6621▲	3.18	2.40	2.25	1.89
16	71918-116LF	110-3939●	3.40	2.57	2.41	2.02
20	71918-120	322-6633▲	3.96	3.00	2.82	2.40
20	71918-120LF	110-3940●	4.24	3.21	3.02	2.57
26	71918-126	322-6645▲	5.18	3.90	3.66	3.12
26	71918-126LF	110-3941●	5.54	4.17	3.92	3.34
34	71918-134	322-6657▲	6.77	5.10	4.80	4.05
34	71918-134LF	110-3942●	7.24	5.46	5.14	4.33
40	71918-140	322-6669▲	7.99	6.00	5.64	4.80
40	71918-140LF	110-3943●	8.55	6.42	6.03	5.14
50	71918-150	322-6670▲	9.98	7.50	7.05	6.00
50	71918-150LF	110-3944●	10.68	8.02	7.54	6.42
Right Angled PCB Header						
10	71922-110	322-6694▲	2.00	1.50	1.41	1.20
10	71922-110LF	110-3946●	2.14	1.61	1.51	1.28
16	71922-116	322-6712▲	3.18	2.40	2.25	1.89
16	71922-116LF	110-3947●	3.40	2.57	2.41	2.02
26	71922-126	322-6736▲	5.18	3.90	3.66	3.12
60	71922-160	322-6773▲	12.01	9.00	8.46	7.20
26	71922-126LF	110-3948●	5.54	4.17	3.92	3.34

PCB Mounting Superslim Headers



Compliant
Non-compliant
+ Limited stock - RoHS replacement available

RoHS

- Class II performance
- 4 wall shielding for pin protection and alignment
- Straight and right angle version available
- Bump/clip polarisation

208880

No. of Ways	Mfrs. List No.	Order Code	1+	50+	Price Each 100+	250+	500+
Straight PCB Header							
10	75869-101	322-6785▲	1.56	1.29	1.08	0.96	--
10	75869-101LF	110-3949●	1.67	1.38	1.16	1.03	--
14	75869-102	322-6797▲	1.78	1.47	1.29	1.11	--
14	75869-102LF	110-3950●	1.90	1.57	1.38	1.19	--
16	75869-103	322-6803▲	2.03	1.68	1.44	1.29	--
16	75869-103LF	110-3951●	2.17	1.80	1.54	1.38	--
20	75869-104	322-6815▲	2.18	1.80	1.56	1.38	--
20	75869-104LF	110-3952●	2.33	1.93	1.67	1.48	--
26	75869-105	322-6827▲	2.81	2.34	2.04	1.77	--
26	75869-105LF	110-3953●	3.01	2.50	2.18	1.89	--
34	75869-106	322-6839▲	3.68	3.09	2.64	2.31	--
34	75869-106LF	110-3954●	3.94	3.31	2.82	2.47	--
40	75869-107	322-6840▲	4.34	3.63	3.09	2.70	--
40	75869-107LF	110-3955●	4.64	3.88	3.31	2.89	--
Right Angled PCB Header							
10	75867-101	322-6876▲	1.62	1.35	1.14	1.02	--
10	75867-101LF	110-3956●	1.73	1.44	1.22	1.09	--
20	75867-104	322-6906▲	2.25	2.01	1.65	1.47	--
20	75867-104LF	110-3958●	2.41	2.15	1.77	1.57	--
26	75867-105	322-6918▲	3.03	2.52	2.16	1.89	--
26	75867-105LF	110-3959●	3.24	2.70	2.31	2.02	--
34	75867-106	322-6920▲	3.93	3.33	2.94	2.52	--
34	75867-106LF	110-3960●	4.21	3.56	3.15	2.70	--

IDC D Sub Connectors

Flat Cable



- For AWG 26/18 multistrand or AWG28/30 single strand cable

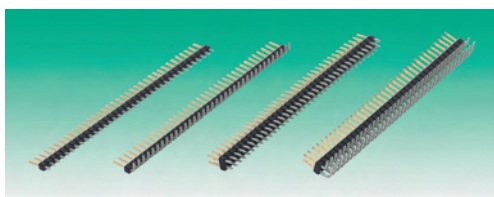
Current Rating	1.5A per contact	Contact Resistance	10mΩ max
Housing	Tin plated	Rated Voltage	300V rms at 50Hz
Contacts	Gold over Nickel plated	Mating Cycles	500≥
Temperature Range	-55°C to +125°C		

240072

No. of Ways	Mfrs. List No.	Order Code	1+	50+	Price Each 100+	500+
Sockets						
9	865709S065T	412-9520▲	6.33	6.15	5.97	5.58
9	865709S065TLF	109-7963●	6.77	6.58	6.39	6.32
15	865715S065T	412-9532▲	8.91	8.61	8.37	7.86
15	865715S065TLF	109-7964●	9.53	9.21	8.96	8.88
25	865725S065T	412-9544▲	9.36	9.09	8.76	8.28
25	865725S065TLF	109-7965●	10.02	9.73	9.37	9.25
37	865737S065T	412-9556▲	16.17	15.63	15.15	14.25
37	865737S065TLF	109-7966●	17.30	16.72	16.21	16.16
Plugs						
9	865709P065TX	412-9568▲	6.03	5.82	5.64	5.31
9	865709P065TXLF	109-7967●	6.45	6.23	6.03	6.03
15	865715P065TX	412-9570▲	8.46	8.22	7.92	7.47
15	865715P065TXLF	109-7968●	9.05	8.80	8.47	8.43
25	865725P065TX	412-9581▲	8.82	8.55	8.31	7.80
25	865725P065TXLF	109-7971●	9.44	9.15	8.89	8.74
37	865737P065TX	412-9593▲	15.33	14.82	14.34	13.50
37	865737P065TXLF	109-7972●	16.40	15.86	15.34	15.12

PCB Pin Strip Headers

Straight and 90° Pins



Current Rating	3A Continuous
Housing	High temp thermoplastic UL94V-0
	Black
Temperature Range	-65°C to +125°C
Insulation Resistance	5000MΩ for 1 min
Contacts	Gold or Tin Lead plated
Withstand Voltage	1500V min
Flammability Rating	UL94V-0

240064

Plating	Mfrs. List No.	Order Code	1+	50+	Price Each 100+	500+
36 Way Straight						
Tin-Lead	77311-401-36	412-9416▲	1.65	1.41	1.26	1.08
Tin-Lead	77311-401-36LF	109-7954●	1.77	1.51	1.35	1.16
Gold	77311-818-36	412-9428▲	2.13	1.80	1.59	1.41
Gold	77311-818-36LF	109-7955●	2.28	1.93	1.70	1.51
36 Way 90°						
Tin-Lead	77315-418-36	412-9430▲	2.70	2.34	2.04	1.80
Tin-Lead	77315-418-36LF	109-7956●	2.89	2.50	2.18	1.93
Gold	77315-818-36	412-9441▲	3.36	2.91	2.52	2.25
Gold	77315-818-36LF	109-7958●	3.60	3.11	2.70	2.41
72 Way Straight						
Tin-Lead	77313-418-72	412-9453▲	3.39	2.94	2.55	2.28
Tin-Lead	77313-418-72LF	109-7959●	3.63	3.15	2.73	2.44
Gold	77313-818-72	412-9465▲	4.23	3.63	3.18	2.82
Gold	77313-818-72LF	109-7960●	4.53	3.88	3.40	3.02
72 Way 90°						
Tin-Lead	77317-404-72	412-9477▲	7.80	6.72	5.88	5.22
Tin-Lead	77317-404-72LF	109-7961●	8.35	7.19	6.29	5.59
Gold	77317-804-72	412-9489▲	8.79	7.56	6.60	5.88
Gold	77317-804-72LF	109-7962●	9.41	8.09	7.06	6.29

QF50 Series IDC Connectors

- 0.76μm Gold Plating
- Available in circuits from 10 to 60
- Complies with industry-standard DIN 41651 and MIL-3-83503 keying

Housing	Black Glass-filled polyester, UL94V-0
Contact	Copper alloy
Plating	30μ Gold in contact area
Temperature	-25°C to +85°C
Mating Cycles	300 cycles max.
Voltage	250V
Current (Header)	2.5A
Current (Receptacle)	2.5A
Contact Resistance	20mΩ
Insulation Resistance	1000MΩ



208885

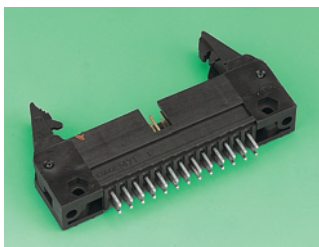
Female Sockets



208886

No. of Ways	Mfrs. List No.	Order Code	1+	50+	Price Each 100+	250+	500+
Bump/Click Polarisation without strain relief							
10	90635-1102	317-9849±	1.08	0.99	0.93	0.87	--
10	90635-1102	973-3175●	1.00	0.84	0.55	0.41	--
14	90635-1142	317-9850±	1.53	1.41	1.29	1.20	--
14	90635-1142	973-3183●	2.52	2.12	1.37	1.03	--
16	90635-1162	317-9862±	2.94	2.70	2.49	2.25	--
16	90635-1162	973-3191●	1.60	1.35	0.89	0.65	--
20	90635-1202	317-9874±	1.89	1.74	1.62	1.51	--
20	90635-1202	973-3205●	3.13	2.63	1.70	1.28	--
26	90635-1262	317-9886±	2.59	2.37	2.19	1.98	--
26	90635-1262	973-3213●	2.43	2.04	1.32	0.99	--
30	90635-1302	317-9898±	4.31	3.84	3.48	3.00	--
30	90635-1302	973-3221●	3.75	3.16	2.04	--	--
34	90635-1342	317-9904±	3.24	2.97	2.73	2.56	--
34	90635-1342	973-3230●	4.25	3.58	2.31	--	--
40	90635-1402	317-9916±	3.42	3.15	2.91	2.71	--
40	90635-1402	973-3248●	4.50	3.79	2.45	--	--
50	90635-1502	317-9928±	4.49	4.11	3.81	3.42	--
50	90635-1502	973-3256●	5.63	4.74	3.07	--	--
60	90635-1602	317-9930±	5.13	4.71	4.35	4.07	--
60	90635-1602	973-3264●	6.75	5.68	3.68	--	--
Strain Reliefs							
10	90170-0010	317-9941●	0.69	0.63	0.57	0.53	--
14	90170-0014	317-9953●	0.72	0.66	0.60	0.60	--
16	90170-0016	317-9965●	0.75	0.69	0.63	0.62	--
20	90170-0020	317-9977●	0.81	0.72	0.66	0.65	--
26	90170-0026	317-9989●	0.93	0.87	0.78	0.73	--
30	90170-0030	317-9990●	0.90	0.84	0.78	0.72	--
34	90170-0034	318-0001●	0.93	0.84	0.78	0.77	--
40	90170-0040	318-0013●	0.96	0.87	0.81	0.76	--
50	90170-0050	318-0025●	1.02	0.93	0.87	0.80	--
60	90170-0060	318-0037●	1.08	0.99	0.90	0.84	--

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

PCB Mounting Headers
(with Latches)

molex

208887

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+	+
Price Each							
10	90663-1102.	318-0049‡	1.23	1.11	1.02	0.97	--
10	90663-1102	101-2187●	1.60	1.35	0.89	--	--
14	90663-1142.	318-0050‡	2.01	1.83	1.71	1.60	--
14	90663-1142	101-2188●	1.47	1.24	0.82	--	--
16	90663-1162.	318-0062‡	2.41	2.22	2.04	1.83	--
16	90663-1162	101-2189●	3.03	2.55	1.65	--	--
20	90663-1202.	318-0074‡	3.71	3.39	3.15	2.85	--
20	90663-1202	101-2190●	3.29	2.77	1.79	--	--
26	90663-1262.	318-0086‡	3.00	2.76	2.58	--	--
26	90663-1262	101-2191●	4.27	3.60	2.33	--	--
30	90663-1302.	318-0098‡	3.75	3.42	3.18	2.97	--
30	90663-1302	101-2192●	4.93	4.15	2.69	--	--
34	90663-1342.	318-0104‡	4.43	4.05	3.75	3.39	--
34	90663-1342	101-2193●	5.59	4.70	3.04	--	--
40	90663-1402.	318-0116‡	4.50	4.11	3.81	3.57	--
40	90663-1402	101-2194●	5.92	4.98	3.22	--	--
50	90663-1502.	318-0128‡	5.90	5.40	4.98	4.50	--
50	90663-1502	101-2195●	7.40	6.23	4.03	--	--
60	90663-1602.	318-0130‡	6.75	6.18	5.70	5.35	--
60	90663-1602	101-2196●	8.88	7.47	4.84	--	--

QF50 Series Cable Assemblies



molex

227265

- Female to female cable assemblies utilising 90635 series sockets
- Four lengths available: 100mm, 200mm, 300mm and 400mm
- Eliminates tooling costs
- Ideal for low volume or trial applications
- Supplied without strain relief

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Price Each						
Female Cable Assembly - 100mm						
10	92321-1010.	352-5831‡	2.95	2.67	2.46	2.31
10	92321-1010	101-2202●	2.95	2.58	2.43	--
16	92321-1610.	352-5855‡	3.87	3.48	3.24	3.00
16	92321-1610	101-2203●	3.87	3.38	3.18	--
20	92321-2010.	352-5867‡	4.09	3.72	3.42	3.18
20	92321-2010	101-2205●	4.09	3.57	3.36	--
26	92321-2610.	352-5879‡	5.21	4.74	4.38	4.05
26	92321-2610	101-2206●	5.21	4.57	4.30	--
34	92321-3410.	352-5880‡	5.62	5.10	4.71	4.35
34	92321-3410	101-2207●	5.62	4.91	4.63	--
40	92321-4010.	352-5892‡	5.96	5.40	5.01	4.62
40	92321-4010	101-2208●	5.96	5.21	4.91	--
Female Cable Assembly - 200mm						
10	92321-1020.	352-5909‡	3.07	2.79	2.58	2.37
10	92321-1020	101-2209●	3.07	2.68	2.52	--
14	92321-1420.	352-5910‡	3.81	3.45	3.18	2.97
14	92321-1420	101-2210●	3.81	3.33	3.13	--
16	92321-1620.	352-5922‡	3.96	3.63	3.33	3.09
16	92321-1620	101-2211●	3.96	3.47	3.27	--
20	92321-2020.	352-5934‡	4.24	3.87	3.54	3.30
20	92321-2020	101-2212●	4.38	3.72	3.50	--
26	92321-2620.	352-5946‡	5.40	4.89	4.50	4.20
26	92321-2620	101-2213●	5.40	4.72	4.44	--
34	92321-3420.	352-5958‡	5.83	5.31	4.89	4.53
34	92321-3420	101-2214●	5.83	5.11	4.81	--
40	92321-4020.	352-5960‡	6.12	5.55	5.13	4.77
40	92321-4020	101-2215●	6.12	5.36	5.05	--
Female Cable Assembly - 300mm						
10	92321-1030.	352-5971‡	3.28	3.00	2.76	2.55
10	92321-1030	101-2217●	3.28	2.88	2.71	--
16	92321-1630.	352-5995‡	4.37	3.96	3.66	3.39
16	92321-1630	101-2218●	4.37	3.82	3.60	--
20	92321-2030.	352-6008‡	4.71	4.26	3.96	3.69
20	92321-2030	101-2219●	4.71	4.12	3.88	--
40	92321-4030.	352-6033‡	6.36	5.79	5.31	4.95
40	92321-4030	101-2220●	6.36	5.56	5.23	--
Female Cable Assembly - 400mm						
10	92321-1040.	352-6045‡	3.46	3.15	2.91	2.70
10	92321-1040	101-2221●	3.46	3.03	2.85	--
14	92321-1440.	352-6057‡	4.24	3.87	3.54	3.30

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Price Each						
Female Cable Assembly - 400mm						
14	92321-1440	101-2222●	4.24	3.72	3.50	--
16	92321-1640.	352-6069‡	4.49	4.08	3.78	3.48
16	92321-1640	101-2223●	4.49	3.92	3.69	--
20	92321-2040.	352-6070‡	4.87	4.41	4.08	3.81
20	92321-2040	101-2224●	4.87	4.27	4.02	--
26	92321-2640.	352-6082‡	5.83	5.31	4.89	4.53
26	92321-2640	101-2225●	5.83	5.11	4.81	--
40	92321-4040.	352-6100‡	6.52	5.94	5.46	5.07
40	92321-4040	101-2226●	6.52	5.71	5.37	--

IDC Sockets and Headers

multicomp

- IDC sockets and headers conforming to the requirements of DIN 41651 and MILC-83503/7C
- Bump polarisation on sockets and headers
- Female sockets supplied with strain relief which can be discarded if not required
- UL Recognised

Housing	Glass filled polyester resin	Contact plating	Gold over Nickel
Termination	UL94V-0	Termination	Tin - lead over nickel
Contact rating	1A	Insulation resistance	1000MΩ @ 500V dc
Cycles	100Cycles min (class III)	Contact resistance (mated)	20mΩ max
Temperature range	-55°C to +105°C		

208893

Female Socket - With Strain relief
Class III

multicomp

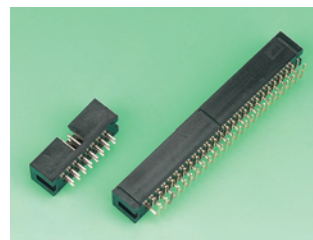


208892

No. of Ways	Order Code	1+	25+	50+	250+	+
Price Each						
Bump Polarisation						
10	316-6855‡	0.66	0.55	0.45	0.35	--
10	109-9236●	0.66	0.55	0.45	0.35	--
14	316-6867‡	0.72	0.58	0.48	0.39	--
14	109-9237●	0.72	0.58	0.48	0.39	--
16	316-6879‡	0.78	0.60	0.52	0.42	--
16	109-9238●	0.78	0.60	0.52	0.42	--
20	316-6880‡	0.84	0.63	0.52	0.45	--
20	109-9239●	0.84	0.63	0.52	0.45	--
26	316-6892‡	0.94	0.75	0.58	0.48	--
26	109-9240●	0.94	0.75	0.58	0.48	--
34	316-6909‡	1.00	0.78	0.60	0.52	--
34	109-9241●	1.00	0.78	0.60	0.52	--
40	316-6910‡	1.41	1.17	0.93	0.78	--
40	109-9242●	1.41	1.17	0.93	0.78	--
50	316-6922‡	1.77	1.47	1.23	0.99	--
50	109-9244●	1.77	1.47	1.23	0.99	--
60	324-6280‡	2.44	2.13	2.10	1.74	--

Male PCB Mounting Box Headers
Class III

multicomp



208889

No. of Ways	Order Code	1+	25+	50+	250+	+
Price Each						
90° Pins						
10	316-6934‡	0.89	0.75	0.60	0.52	--
10	109-9245●	0.89	0.75	0.60	0.52	--
14	316-6946‡	1.14	0.96	0.87	0.78	--
14	109-9246●	1.14	0.96	0.87	0.78	--
16	316-6958‡	1.01	0.85	0.78	0.63	--
16	109-9247●	1.01	0.85	0.78	0.63	--
20	316-6960‡	1.30	1.09	0.97	0.85	--
20	109-9248●	1.30	1.09	0.97	0.85	--

Compliant
Non-compliant
+ Limited stock - RoHS replacement available

RoHS

No. of Ways	Order Code	1+	25+	Price Each 50+	250+	+
90° Pins						
26	316-6971‡	1.42	1.27	1.06	0.97	--
26	109-9249●	1.42	1.27	1.06	0.97	--
34	316-6983‡	1.83	1.62	1.41	1.23	--
34	109-9250●	1.83	1.62	1.41	1.23	--
40	316-6995‡	2.32	2.10	1.77	1.50	--
40	109-9251●	2.32	2.10	1.77	1.50	--
50	316-7008‡	2.64	2.31	2.01	1.77	--
50	109-9252●	2.64	2.31	2.01	1.77	--
60	316-7010‡	3.12	2.76	2.43	2.13	--
60	109-9253●	3.12	2.76	2.43	2.13	--
Straight Pins						
10	316-7033‡	0.60	0.52	0.45	0.35	--
10	109-9254●	0.60	0.52	0.45	0.35	--
14	316-7045‡	0.81	0.66	0.58	0.45	--
14	109-9256●	0.81	0.66	0.58	0.45	--
16	316-7057‡	1.01	0.82	0.67	0.59	--
16	109-9257●	1.01	0.82	0.67	0.59	--
20	316-7069‡	1.15	0.94	0.82	0.67	--
20	109-9258●	1.15	0.94	0.82	0.67	--
26	316-7070‡	1.35	1.14	0.96	0.81	--
26	109-9259●	1.35	1.14	0.96	0.81	--
34	316-7082‡	1.77	1.50	1.29	1.08	--
34	109-9260●	1.77	1.50	1.29	1.08	--
40	316-7094‡	2.25	1.86	1.53	1.35	--
40	109-9261●	2.25	1.86	1.53	1.35	--
50	316-7100‡	2.54	2.13	1.77	1.53	--
50	109-9262●	2.54	2.13	1.77	1.53	--
60	316-7112‡	2.70	2.28	1.89	1.74	--
60	109-9263●	2.70	2.28	1.89	1.74	--
64	316-7124‡	2.74	2.31	1.92	1.77	--
64	109-9264●	2.74	2.31	1.92	1.77	--

Male PCB Mounting Headers with Latches Class III

multicomp



- Bump Polarisation
- Long latch for sockets with strain relief

208890

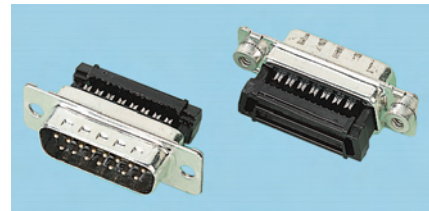
No. of Ways	Order Code	1+	25+	Price Each 50+	250+	+
Long Latch 90° Pins						
10	316-6338‡	0.94	0.81	0.75	0.63	--
10	109-9015●	0.94	0.81	0.75	0.63	--
14	316-6340‡	0.39	--	--	--	--
14	109-9016●	0.39	--	--	--	--
16	316-6351‡	1.26	1.05	0.90	0.78	--
16	109-9017●	1.26	1.05	0.90	0.78	--
20	316-6363‡	1.64	1.35	1.17	0.99	--
20	109-9018●	1.64	1.35	1.17	0.99	--
26	316-6375‡	2.12	1.80	1.53	1.32	--
26	109-9019●	2.12	1.80	1.53	1.32	--
34	316-6387‡	2.32	2.01	1.80	1.59	--
34	109-9020●	2.32	2.01	1.80	1.59	--
40	316-6399‡	2.70	2.37	2.13	1.83	--
40	109-9021●	2.70	2.37	2.13	1.83	--
50	316-6405‡	3.46	3.06	2.76	2.37	--
50	109-9022●	3.46	3.06	2.76	2.37	--
60	316-6417	3.59	3.12	2.82	2.43	--
64	316-6429	3.84	3.33	3.06	2.67	--
Long Latch Straight Pins						
10	316-6466‡	0.81	0.72	0.60	0.52	--
10	109-9023●	0.81	0.72	0.60	0.52	--
14	316-6478‡	0.89	0.81	0.66	0.58	--
14	109-9025●	0.89	0.81	0.66	0.58	--
16	316-6480‡	1.03	0.90	0.81	0.66	--
16	109-9027●	1.03	0.90	0.81	0.66	--
20	316-6491‡	1.26	1.08	0.96	0.84	--
20	109-9028●	1.26	1.08	0.96	0.84	--
26	316-6508‡	1.48	1.29	1.17	0.99	--
26	109-9029●	1.48	1.29	1.17	0.99	--
34	316-6510‡	2.02	1.79	1.61	1.36	--
34	109-9030●	2.02	1.79	1.61	1.36	--
40	316-6521‡	2.35	2.10	1.86	1.62	--
40	109-9031●	2.35	2.10	1.86	1.62	--
50	316-6533‡	3.01	2.61	2.36	2.03	--
50	109-9032●	3.01	2.61	2.36	2.03	--
60	316-6545‡	3.37	3.09	2.85	2.46	--

No. of Ways	Order Code	1+	25+	Price Each 50+	250+	+
Long Latch 90° Pins						
60	109-9033●	3.37	3.09	2.85	2.46	--
64	316-6557‡	3.40	3.12	2.88	2.52	--
64	109-9034●	3.40	3.12	2.88	2.52	--
Short Latch 90° Pins						
10	316-6570‡	0.94	0.81	0.75	0.63	--
10	109-9035●	0.94	0.81	0.75	0.63	--
16	316-6594	1.26	1.05	0.90	0.78	--
20	316-6600	1.64	1.35	1.17	0.99	--
26	316-6612	2.12	1.80	1.53	1.32	--
34	316-6624	2.70	2.37	2.13	1.83	--
40	316-6636	2.70	2.37	2.13	1.83	--
50	316-6648	3.46	3.06	2.76	2.37	--
60	316-6650	3.60	3.12	2.82	2.43	--
64	316-6661	3.84	3.33	3.06	2.67	--
Short Latch Straight Pins						
10	316-6752‡	0.81	0.72	0.60	0.52	--
10	109-9037●	0.81	0.72	0.60	0.52	--
16	316-6776‡	1.03	0.90	0.81	0.66	--
16	109-9038●	1.03	0.90	0.81	0.66	--
20	316-6788‡	1.26	1.08	0.96	0.84	--
20	109-9039●	1.26	1.08	0.96	0.84	--
26	316-6790‡	1.48	1.29	1.17	0.99	--
26	109-9040●	1.48	1.29	1.17	0.99	--
34	316-6806‡	2.00	1.77	1.59	1.35	--
34	109-9041●	2.00	1.77	1.59	1.35	--
40	316-6818‡	2.35	2.10	1.86	1.62	--
40	109-9042●	2.35	2.10	1.86	1.62	--
60	316-6831	3.37	3.09	2.85	2.46	--

Metal 'D' Tin & Dimple

Commercial IDC Connectors

multicomp



- A range of commercial IDC 'D' connectors
- Available with or without 4-40 UNC threads
- Design allows use with standard backshells

Current Rating	1.5A	Materials	
Dielectric Withstand Voltage	1000V	Insulator	Glass filled polyester resin
Insulation Resistance	5000MR	Flammability rating	UL94V-0
Contact Resistance	Less than 10mR	Contact	Copper alloy
Operating Temperature	-55°C to 105°C	Contact - Plating	Gold over Nickel
Durability	100 Cycles min.		

219661/406801

No. of Ways	Order Code	1+	25+	Price Each 50+	100+	+
Plugs - Unthreaded						
9	154-805●	8.21	7.74	7.35	6.45	--
15	154-817●	9.98	9.45	9.00	7.89	--
25	154-829●	11.73	11.10	10.56	9.24	--
37	154-830●	17.47	16.53	15.72	13.80	--
Sockets - Unthreaded						
9	154-842●	8.21	7.74	7.35	6.45	--
15	154-854●	9.98	9.45	9.00	7.89	--
25	154-866●	11.73	11.10	10.56	9.24	--
37	154-878●	17.47	16.53	15.72	13.80	--
Plugs - 4-40 UNC Threaded						
9	154-880●	9.58	9.06	8.61	7.56	--
15	154-891●	11.56	10.94	10.39	9.12	--
25	154-908●	13.17	12.48	11.85	10.38	--
37	154-910●	18.84	17.88	16.98	14.88	--
Sockets - 4-40 UNC Threaded						
9	154-921●	9.58	9.06	8.61	7.56	--
15	154-933●	11.45	10.83	10.29	9.03	--
25	154-945●	13.17	12.48	11.85	10.38	--
37	154-957●	18.84	17.88	16.98	14.88	--

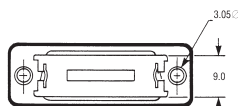
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Metal 'D' IDC Connectors



- Compact crimp mechanism, 13.0mm depth behind mounting flange, 1mm wide including cable wrap over
- Suitable for shielded or non-shielded shells of narrow profile



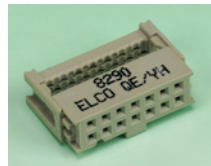
Contact rating	1A	Housing	Steel yellow chromate plated
Contact resistance	15mR		or steel tin plated
Insulation resistance	1000MΩ min.	Insulation	Glass filled polyester (UL94V-0)
Working voltage	350V dc/ac peak	Contact material	Beryllium Copper
Temperature range	-55°C to 85°C limited by PVC ribbon cable	Wire size	gold over nickel plating 28-26AWG
Mating cycles	250		

208927

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Yellow Chromate							
Plugs							
9	FC9P	460-060▲	8.22	6.58	6.16	5.75	--
9	FC9P-LF	111-4138●	8.22	6.58	6.16	5.75	--
15	FC15P	460-072▲	10.82	10.40	8.63	7.83	--
15	FC15P-LF	111-4139●	10.82	10.40	8.63	7.83	--
25	FC25P	460-084▲	13.42	12.07	10.63	9.76	--
25	FC25P-LF	111-4140●	13.42	12.07	10.63	9.76	--
37	FC37P	460-096▲	16.60	14.54	13.29	12.01	--
37	FC37P-LF	111-4142●	16.60	14.54	13.29	12.01	--
Sockets							
9	FC9S	460-102▲	9.01	8.12	7.19	6.48	--
9	FC9S-LF	111-4143●	9.01	8.12	7.19	6.48	--
15	FC15S	460-114▲	11.89	11.33	9.50	8.60	--
15	FC15S-LF	111-4144●	11.89	11.33	9.50	8.60	--
25	FC25S	460-126▲	14.79	13.51	11.72	10.72	--
25	FC25S-LF	111-4145●	14.79	13.51	11.72	10.72	--
37	FC37S	460-138▲	19.73	17.90	15.79	14.30	--
37	FC37S-LF	111-4146●	19.73	17.90	15.79	14.30	--
Tin & Dimple							
Plugs							
9	FC9PTI	460-140▲	8.74	8.12	7.64	5.91	--
9	FC9PTI-LF	111-4147●	8.74	8.12	7.64	5.91	--
15	FC15PTI	460-151▲	10.75	9.98	9.34	7.22	--
15	FC15PTI-LF	111-4148●	10.75	9.98	9.34	7.22	--
25	FC25PTI	460-163▲	13.69	12.71	11.94	9.21	--
25	FC25PTI-LF	111-4149●	13.69	12.71	11.94	9.21	--
37	FC37PTI	460-175▲	17.76	16.53	15.50	11.94	--
37	FC37PTI-LF	111-4150●	17.76	16.53	15.50	11.94	--
Sockets							
9	FC9ST	460-187▲	9.15	8.47	8.12	6.61	--
9	FC9ST-LF	111-4151●	9.15	8.47	8.12	6.61	--
15	FC15ST	460-199▲	11.29	10.08	9.66	7.86	--
15	FC15ST-LF	111-4152●	11.29	10.08	9.66	7.86	--
25	FC25ST	460-205▲	14.19	13.19	12.62	10.30	--
25	FC25ST-LF	111-4154●	14.19	13.19	12.62	10.30	--
37	FC37ST	460-217▲	19.86	18.46	17.66	14.44	--
37	FC37ST-LF	111-4155●	19.86	18.46	17.66	14.44	--

Female Socket Connectors (Bump/Clip Polarised)

Class II



Housing material	Glass Filled Polyester,UL94V-0
Contact material	Gold over Nickel,Copper alloy
Contact rating	1A @70°C

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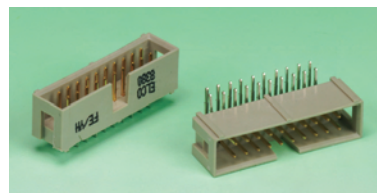
No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
Without Strain Relief							
10	008290010000011	636-034●	2.93	2.79	2.58	2.07	--
14	008290014000011	636-046●	3.21	3.06	2.88	2.25	--
16	008290016000011	636-058●	3.49	3.30	3.12	2.46	--
20	008290020000011	636-060●	3.81	3.54	3.36	2.67	--
26	008290026000011	636-071●	4.09	3.87	3.72	2.88	--
34	008290034000011	636-083●	4.68	4.44	4.14	3.27	--
40	008290040000011	636-095●	5.83	5.52	5.22	4.11	--
50	008290050000011	636-101●	6.95	6.62	6.16	4.90	--
With Strain Relief							
10	008290010001011	636-113●	4.09	3.93	3.48	2.88	--
14	008290014001011	636-125●	4.37	4.11	3.90	3.06	--
16	008290016001011	636-137●	4.68	4.38	4.14	3.27	--
20	008290020001011	636-149●	5.27	4.98	4.68	3.69	--

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
With Strain Relief							
26	008290026001011	636-150●	5.27	4.95	4.68	3.69	--
34	008290034001011	636-162●	6.15	5.91	5.46	4.32	--
40	008290040001011	636-174●	7.36	6.84	6.48	5.19	--
50	008290050001011	636-186●	8.17	7.62	7.26	5.73	--
60	008290060001011	636-198●	8.91	8.25	7.90	6.36	--

Male PCB Mounting Headers (Low Profile)

Class II

ELCO



Straight Pins H=9.55, D=8.5 90° Pins H=8.5, D=9.55

Housing material	Glass Filled Polyester,UL94V-0	Contact rating	1A
Contact material	Gold over Nickel,Copper alloy		

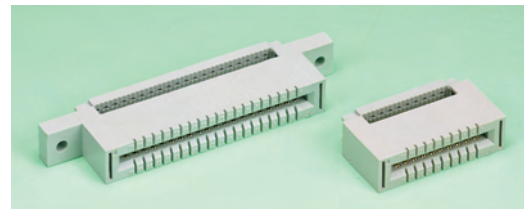
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No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
Straight PCB Pins							
10	008380010000010	636-332●	2.56	2.40	2.28	1.80	--
14	008380014000010	636-344●	2.81	2.64	2.49	1.98	--
16	008380016000010	636-356●	3.06	2.91	2.70	2.16	--
20	008380020000010	636-368●	3.59	3.39	3.18	2.52	--
26	008380026000010	636-370●	4.64	4.33	4.14	3.24	--
34	008380034000010	636-381●	5.37	5.01	4.77	3.78	--
40	008380040000010	636-393●	6.15	5.79	5.46	4.32	--
90° PCB Pins							
20	008380020002010	636-411●	3.59	3.39	3.18	2.52	--
26	008380026002010	636-423●	4.34	4.02	3.87	3.03	--
40	008380040002010	636-447●	6.15	5.79	5.46	4.32	--
50	008380050002010	636-459●	7.43	7.05	6.57	5.22	--

Card Edge

2.54 Pitch

ELCO



H=18.0, D=10.0 Without mounting flange H=18.0, D=10.0 With mounting flange

- Suitable for printed circuit boards of 1.6mm thickness
- Polarisering key available separately
- UL recognised and CSA Approved

No. of Ways	Body Length	Fixing Centres	Housing material	Glass Filled Polyester,UL94V-0
20	37.06	48.26	Contact material	Gold over Nickel, Copper alloy
26	44.68	52.88	Contact rating	1A @70°C
34	54.84	66.04		
40	62.46	73.66		
50	75.16	86.36		

208860

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
Without Mounting Flanges							
20	006338020000040	635-730●	4.96	4.65	4.47	3.99	--
26	006338026000040	635-741●	5.90	5.61	5.28	4.71	--
34	006338034000040	635-753●	6.93	6.45	6.21	5.55	--
40	006338040000040	635-765●	7.96	7.50	7.14	6.36	--
50	006338050000040	635-777●	9.30	8.79	8.37	7.47	--
With Mounting Flanges							
20	006338020000042	635-789●	4.96	4.65	4.47	3.99	--
26	006338026000042	635-790●	5.90	5.61	5.28	4.71	--
34	006338034000042	635-807●	6.93	6.48	6.21	5.55	--
40	006338040000042	635-819●	7.96	7.59	7.14	6.36	--
50	006338050000042	635-820●	9.30	8.70	8.37	7.47	--
Polarising Key							
	606338440400000	635-832●			10+		
					0.25		

Compliant
Non-compliant
Limited stock - RoHS replacement available

RoHS

Standard Density IDC 0.05" Cable Pitch

Fujitsu

- A range of high quality ribbon cable connectors manufactured to comply with UL recognised and CSA specifications.
- Bump polarised female sockets used with the clip polarised header give both bump and clip polarisation.

Housing	PBT and Polycarbonate, UL94V-0
Contact material	Phosphor Bronze, Gold palladium over nickel plating
Mechanical endurance	500 cycles
Operating temperature	-55°C to +105°C
Max PCB thickness (header pins)	1.6mm
PCB pin spacing (headers)	(0.1")2.54mm
PCB hole size (headers)	Min0.8mm
Dielectric withstanding voltage	500Vac for 1 minute
Current rating	1Adc unless otherwise stated
Voltage rating	250Vac max
Contact resistance, mated	20mRmax @ 5V dc, 0.3A
Insulation resistance	1000MRmin @ 500V dc

208805

Female Socket (with strain relief)

Fujitsu



Bump/clip polarisation 145-004

Clip polarisation 145-011

Mfrs. List No. Bump/clip = FCN707B0xxAU0, Clip = FCN707J0xxAU0 where xx = No of ways
Polarisation Key = FCN700A1

No. of Ways	Order Code	1+	25+	100+	250+	+	+
Bump/clip Polarisation							
10*	145-001	4.44	3.73	3.30	2.69	--	--
10*	109-7316	5.01	4.20	3.81	3.39	--	--
16	145-002	6.94	5.77	5.09	4.18	--	--
16	109-7317	7.88	6.54	5.86	5.34	--	--
20	145-003	7.32	6.13	5.41	4.44	--	--
20	109-7318	8.33	6.97	6.31	5.63	--	--
26	145-004	8.69	7.26	6.45	5.28	--	--
26	109-7319	9.86	8.24	7.49	6.71	--	--
34	145-005	10.31	8.60	7.62	6.26	--	--
34	109-7320	11.72	9.73	8.82	7.97	--	--
40	145-006	11.06	9.21	8.20	6.71	--	--
40	109-7321	12.53	10.45	9.50	8.50	--	--
50	145-007	13.13	10.96	9.76	7.91	--	--
50	109-7322	14.88	12.40	11.33	10.06	--	--
Clip Polarisation							
10	145-009	4.25	3.50	3.21	2.60	--	--
10	109-7323	4.82	3.94	3.71	3.32	--	--
16	145-010	6.62	5.58	4.90	4.02	--	--
16	109-7324	7.52	6.35	5.66	5.05	--	--
34	145-013	9.76	8.12	7.25	5.87	--	--
34	109-7326	11.16	9.31	8.50	7.58	--	--
40	152-277	10.45	8.70	7.74	6.36	--	--
40	109-7371	10.90	9.08	8.24	7.36	--	--

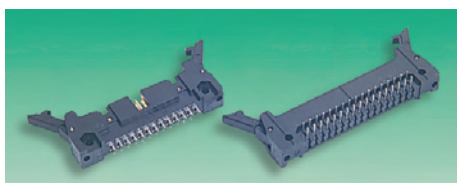
219648

	Order Code	1+	50+	100+
Polarisation Key for insertion into individual sockets (strip of 10)	150-663	1.97	1.80	1.60
*Bump polarisation only	109-7369	2.25	2.05	1.86

Male PCB Mounting Headers (with latches)

Bump and Clip Polarisation

Fujitsu



Vertical PCB mounting 145-020

Right angle PCB mounting 145-029

Mounting holes accept M2.5 bolts or No 4 self tappers

Fixing Centres							
No. of Ways	10	15	20	26	34	40	50
Vertical	27.9	35.5	40.6	48.3	58.4	66	78.7
90°	21.8	29.4	34.5	42.2	52.3	59.9	72.6

Mfrs. List No. Straight = FCN704Q0xxAUM except 145-025 = FCN704G010-AUM,
90° = FCN705G0xxAUM where xx = No of ways Key = FCN700A2

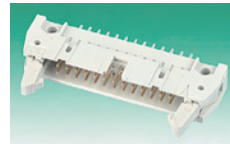
208808

No. of Ways	Order Code	1+	25+	100+	250+	+	+
Straight PCB Pins (Bump or Clip Polarisation) bump only							
10	145-025	4.58	3.64	2.98	2.20	--	--
10	109-7332	5.21	4.10	3.45	2.80	--	--
16	145-018	7.00	5.54	4.53	3.34	--	--
16	109-7327	7.94	6.31	5.27	4.30	--	--
20	145-019	7.35	5.81	4.77	3.50	--	--
20	109-7328	8.37	6.58	5.50	4.49	--	--
26	145-020	9.33	7.32	6.06	4.47	--	--
26	109-7329	10.58	8.33	7.00	5.73	--	--
34	152-278	11.22	8.82	7.32	5.31	--	--
34	109-7372	12.73	10.03	8.46	6.90	--	--
40	145-022	12.51	9.83	8.14	5.93	--	--
40	109-7330	14.19	11.13	9.44	7.71	--	--
50	145-023	14.42	11.31	9.33	6.88	--	--
50	109-7331	16.37	12.82	10.77	8.89	--	--
90° PCB Pins (Bump and Clip Polarisation) bump only							
10	145-034	4.58	3.64	2.98	2.20	--	--
10	109-7338	5.21	4.10	3.45	2.80	--	--
16	145-027	7.00	5.54	4.53	3.34	--	--
16	109-7333	7.94	6.31	5.27	4.30	--	--
20	152-279	7.28	5.75	4.72	3.47	--	--
20	109-7373	8.33	6.61	5.53	4.49	--	--
34	145-030	11.11	8.73	7.25	5.26	--	--
34	109-7334	12.73	10.03	8.46	6.90	--	--
40	145-031	12.51	9.83	8.14	5.93	--	--
40	109-7335	14.19	11.13	9.44	7.71	--	--
50	145-032	14.42	11.31	9.33	6.88	--	--
50	109-7336	16.37	12.86	10.77	8.89	--	--
Order polarisation key separately, 2 off for 16-60 way, 1 off for 10 way							
	Order Code	10+	50+	100+			
Polarisation Key	150-664	0.19	0.16	0.16			
Polarisation Key	109-7370	0.27	0.23	0.23			

Latch

PCB Mounting Headers with Lever

tyco Electronics AMP



- Latch PCB mounting headers in accordance with DIN41651
- Polarization ribs
- 2.54 x 2.54 mm grid
- Fluxproof
- Requirement level 1 (500 insertion cycles)
- Approvals: CSA, UL Recognised

NEW

Contacts:	CuSn, 0.8 µm gold	Volume resistance:	≤30 mΩ
Housing:	Polyester, UL94V-0	Test voltage:	1 kV
Insulation resistance:	10 ¹⁰ Ω	Temperature range:	-55°C to +125°C

239294

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Straight with short lever						
10	1-828588-0.	381-5857	1.68	1.41	1.29	1.23
10	1-828588-0	118-7830	1.66	1.49	--	--
14	1-828588-4.	381-5869	1.98	1.62	1.47	1.41
14	1-828588-4	118-7832	1.94	1.75	--	--
16	1-828588-6.	381-5870	2.04	1.65	1.50	1.44
16	1-828588-6	118-7833	2.00	1.79	--	--
20	2-828588-0.	381-5882	2.16	1.74	1.59	1.50
20	2-828588-0	118-7834	2.11	1.90	--	--
26	2-828588-6.	381-5894	2.34	1.89	1.71	1.65
26	2-828588-6	118-7835	2.30	2.07	--	--
34	3-828588-4.	381-5900	2.79	2.28	2.07	1.98
34	3-828588-4	118-7836	2.70	2.43	--	--
40	4-828588-0.	381-5912	3.00	2.43	2.22	2.10
40	4-828588-0	118-7837	3.01	2.71	--	--
50	5-828588-0	381-5924	3.42	2.82	2.52	2.40
90° with short lever						
10	1-828584-0.	381-5936	1.80	1.47	1.35	1.29
10	1-828584-0	118-7838	1.83	1.65	--	--
14	1-828584-4.	381-5948	2.13	1.71	1.56	1.47
14	1-828584-4	118-7839	2.11	1.90	--	--
16	1-828584-6.	381-5950	2.31	1.89	1.71	1.65
16	1-828584-6	118-7840	2.25	2.03	--	--
20	2-828584-0.	381-5961	2.43	2.01	1.80	1.71
20	2-828584-0	118-7841	2.36	2.12	--	--
26	2-828584-6.	381-5973	2.70	2.22	2.01	1.89
26	2-828584-6	118-7842	2.65	2.38	--	--
34	3-828584-4.	381-5985	3.06	2.49	2.25	2.16
34	3-828584-4	118-7844	3.01	2.71	--	--
40	4-828584-0.	381-5997	3.36	2.79	2.52	2.40
40	4-828584-0	118-7845	3.35	3.02	--	--
50	5-828584-0	381-6000	3.90	3.21	2.91	2.79
Straight with long lever						
10	1-828590-0.	381-6011	1.89	1.56	1.41	1.35
10	1-828590-0	118-7846	1.88	1.69	--	--
14	1-828590-4.	381-6023	2.16	1.74	1.59	1.50
14	1-828590-4	118-7847	2.11	1.90	--	--
16	1-828590-6.	381-6035	2.31	1.86	1.68	1.62

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

No. of Ways	Mfrs. List No.	Order Code	1 +	10 +	50 +	100 +
Straight with long lever						
16	1-828590-6	118-7848	2.30	2.07	--	--
20	2-828590-0	381-6047	2.55	2.10	1.89	1.80
20	2-828590-0	118-7849	2.47	2.22	--	--
26	2-828590-6	381-6059	2.79	2.28	2.07	1.98
26	2-828590-6	118-7850	2.70	2.43	--	--
34	3-828590-4	381-6060	3.30	2.70	2.46	2.34
40	4-828590-0	381-6072	3.48	2.88	2.58	2.46
40	4-828590-0	118-7851	3.43	3.09	--	--
50	5-828590-0	381-6084	3.75	3.06	2.79	2.61
50	5-828590-0	118-7852	3.71	3.34	--	--
90° with long lever						
14	1-828586-4	381-6102	2.10	1.71	1.56	1.47
14	1-828586-4	118-7853	2.05	1.85	--	--
16	1-828586-6	381-6114	2.19	1.77	1.62	1.53
16	1-828586-6	118-7854	2.19	1.97	--	--
20	2-828586-0	381-6126	2.31	1.89	1.71	1.65
20	2-828586-0	118-7856	2.30	2.07	--	--
26	2-828586-6	381-6138	2.46	2.04	1.83	1.74
26	2-828586-6	118-7857	2.42	2.18	--	--
34	3-828586-4	381-6140	2.97	2.43	2.22	2.10
34	3-828586-4	118-7858	2.89	2.61	--	--
40	4-828586-0	381-6151	3.27	2.67	2.43	2.31
40	4-828586-0	118-7859	3.23	2.91	--	--
50	5-828586-0	381-6163	3.69	3.03	2.76	2.58
50	5-828586-0	118-7860	3.65	3.28	--	--

Latch**PCB Mounting Headers without lever**

- Latch, PCB mounting headers
- 2.54 x 2.54 mm grid
- Requirement level 1 (500 insertion cycles)

Contacts: CuSn, 2.5 µm to 5.1 µm Sn
Housing: Polyester, **UL94V-0**
Insulation resistance: 10⁹Ω

Volume resistance: ≤30 mΩ
Test voltage: 1 kV
Temperature range: -55°C to +125°C



No. of Ways	Mfrs. List No.	Order Code	1 +	10 +	50 +	100 +
Straight PCB Pins						
10	0-281271-1	381-6254	1.26	0.87	0.81	--
14	0-281272-1	381-6266	1.65	1.11	1.03	--
16	0-281273-1	381-6278	1.74	1.20	1.11	--
20	0-281274-1	381-6280	2.04	1.41	1.29	1.29
26	0-281275-1	381-6291	2.46	1.68	1.53	1.50
34	0-281276-1	381-6308	3.06	2.10	1.93	--
40	0-281277-1	381-6310	3.60	2.46	2.25	2.23
50	0-281278-1	381-6321	4.44	3.03	2.79	--
90° PCB Pins						
10	0-281279-1	381-6333	1.41	1.14	1.05	0.99
14	0-281280-1	381-6345	1.80	1.50	1.38	1.29
16	0-281281-1	381-6357	1.98	1.62	1.47	1.41
20	0-281282-1	381-6369	2.25	1.83	1.68	1.59
26	0-281283-1	381-6370	2.91	2.37	2.16	2.04
34	0-281284-1	381-6382	3.36	2.79	2.52	2.40
40	0-281285-1	381-6394	4.08	3.36	3.06	2.91
50	0-281286-1	381-6400	5.10	4.17	3.78	3.60

Latch**Female Sockets**

- Manufactured in accordance with **DIN41651**
- Polarization slots
- Centre polarization
- Class 3 (50 insertion cycles) or class 1 (500 insertion cycles)
- Cable grid 1.27 mm 30AWG (0.05 mm²)

Single conductor, 32AWG (0.03 mm²) braid

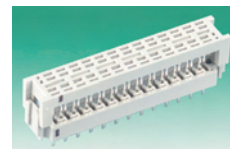
- Approvals: **UL, CSA**

Contacts: CuSn, 0.2 µm gold
Requirement level 1
CuSn, 0.8 µm gold
Requirement level 3
Housing: Polyester, **UL94V-0**

Insulation resistance: 10⁹Ω
Volume resistance: ≤30 mΩ
Test voltage: 1 kV
Temperature range: -55°C to +105°C

No. of Ways	Mfrs. List No.	Order Code	1 +	10 +	50 +	100 +
Strain relief						
10	1-100103-0	381-5614	0.28	0.22	0.20	0.19
14	1-100103-4	381-5626	0.28	0.22	0.20	0.19
16	1-100103-6	381-5638	0.28	0.22	0.20	0.19
20	2-100103-0	381-5640	0.28	0.22	0.20	0.19
26	2-100103-6	381-5651	0.32	0.25	0.23	0.21

No. of Ways	Mfrs. List No.	Order Code	1 +	10 +	50 +	100 +
Strain relief						
34	3-100103-4	381-5663	0.32	0.25	0.23	0.21
40	4-100103-0	381-5675	0.32	0.25	0.23	0.21
50	5-100103-0	381-5687	0.32	0.25	0.23	0.21
Socket, class 3						
10	1-215911-0	381-5699	1.13	0.94	0.88	0.84
14	1-215911-4	381-5705	1.33	1.07	0.97	0.94
16	1-215911-6	381-5717	1.45	1.17	1.07	1.02
20	2-215911-0	381-5729	1.59	1.33	1.20	1.13
26	2-215911-6	381-5730	1.88	1.59	1.45	1.39
34	3-215911-4	381-5742	2.04	1.72	1.56	1.49
40	4-215911-0	381-5754	2.33	1.91	1.75	1.66
50	5-215911-0	381-5766	2.73	2.27	2.04	1.95
Socket, class 1						
10	1-215882-0	381-5778	1.20	1.01	0.91	0.88
14	1-215882-4	381-5780	1.41	1.12	1.03	1.00
16	1-215882-6	381-5791	1.53	1.29	1.17	1.10
20	2-215882-0	381-5808	1.70	1.41	1.28	1.19
26	2-215882-6	381-5810	2.07	1.72	1.56	1.49
34	3-215882-4	381-5821	2.30	1.88	1.72	1.63
40	4-215882-0	381-5833	2.57	2.14	1.91	1.86
50	5-215882-0	381-5845	3.08	2.53	2.30	2.28

Latch**PCB Solder Transition Connector****NEW**

- 2.54 x 2.54 mm grid
- 1.27 mm cable grid

Contacts: CuSn, 2.5 µm to 5.1 µm Sn
Housing: Polyester, **UL94V-0**
Insulation resistance: 10⁹Ω

Volume resistance: ≤30 mΩ
Test voltage: 1 kV
Temperature range: -55°C to +105°C

No. of Ways	Mfrs. List No.	Order Code	1 +	10 +	50 +	100 +
Transition Connector						
10	1-216093-0	381-6175	1.10	0.91	0.84	0.81
14	1-216093-4	381-6187	1.39	1.13	1.04	1.01
16	1-216093-6	381-6199	1.45	1.17	1.07	1.01
20	2-216093-0	381-6205	1.66	1.36	1.20	1.17
26	2-216093-6	381-6217	2.07	1.72	1.56	1.49
34	3-216093-4	381-6229	2.34	1.93	1.77	1.67
40	4-216093-0	381-6230	2.98	2.43	2.20	2.07
50	5-216093-0	381-6242	3.50	2.85	2.60	2.56

Commercial Performance IDC**636 Series**

A series of **UL** recognised and **CSA** approved ribbon cable connectors manufactured to comply with **DIN41651 class 3**, **MIL-C-83503**, **BS9525 F0023** and **HE10**. Self aligning cable grooves moulded into the top cover assures accurate cable to contact alignment.

Housing: Glass reinforced thermo plastic
UL94V-0
Colour: Black
Contact material: Phosphor Bronze
Contact plating: Gold over Nickel (mating area)
Tin/lead over nickel (termination area)

Mechanical endurance: >200 cycles
Operating temperature: -55°C to +105°C
Dielectric withstanding voltage: >1000V rms
Contact rating: 1A
Insulation resistance: >1 10⁹Ω@500V

208943

PCB Mounting Headers (with latches)**Bump and Clip Polarisation**

Both types can be secured by the use of a No. 4 x 9.5mm self-tapping screw or M2.5 x 10mm bolt.

Dimensions	10	16	20	26	34	40	50	60
No. of Ways	32.1	32.1	44.8	44.8	95.6	70.2	82.9	95.6
Length								
Fixing Hole								
Centres	27.94	27.94	40.04	40.04	91.44	66.04	78.74	91.44
90°	21.84	29.46	34.54	42.16	52.32	59.94	72.64	85.34

7

Connectors - IDC

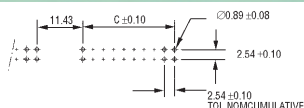
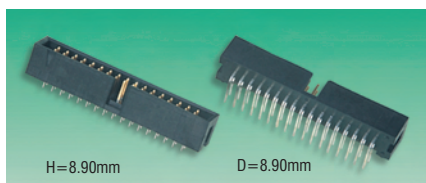
Compliant
Non-compliant
RoHS
Limited stock - RoHS replacement available

208945

No. of Mfrs. Ways	List No.	Order Code	1+	50+	100+	500+	+
Straight PCB Pins							
10	636-1024ES	208-887▲	1.73	1.54	1.33	--	--
10	5499922-1	110-7827●	1.73	1.54	1.33	--	--
16	636-1624ES	208-905▲	1.83	1.65	--	--	--
16	5499922-3	110-7828●	1.83	1.65	--	--	--
20	636-2024ES	208-917▲	1.96	1.78	--	--	--
20	5499922-4	110-7829●	1.96	1.78	--	--	--
26	636-2624ES	208-929▲	2.18	1.89	1.57	1.44	--
26	5499922-6	110-7830●	2.18	1.89	1.57	1.53	--
40	636-4024ES	208-942▲	3.57	3.15	2.93	--	--
40	5499922-9	110-7831●	3.57	3.15	2.93	--	--
50	636-5024ES	208-954▲	4.30	3.72	3.15	2.71	--
50	1-5499922-0	110-7832●	4.30	3.72	3.15	2.71	--
90° PCB Pins							
10	5499786-1	110-7833●	1.67	1.58	--	--	--
16	636-1604ES	208-991▲	1.88	1.66	1.53	--	--
16	5499786-3	110-7834●	1.88	1.66	1.53	--	--
20	5499786-4	110-7836●	1.96	1.95	--	--	--
26	636-2604ES	209-016▲	2.46	2.17	1.79	1.50	--
26	5499786-6	110-7837●	2.46	2.17	1.79	1.50	--
34	636-3404ES	209-028▲	3.05	2.63	2.21	1.95	--
34	5499786-8	110-7838●	3.05	2.63	2.21	2.05	--
40	636-4004ES	209-030▲	3.31	2.89	2.41	2.05	--
40	5499786-9	110-7839●	3.31	2.89	2.41	2.14	--
50	636-5004ES	209-041▲	4.14	3.60	3.02	2.92	--
50	1-5499786-0	110-7840●	4.14	3.60	3.02	2.92	--

PCB Mounting Box Headers (low profile)

Bump Polarisation



208816

No. of Mfrs. Ways	List No.	Order Code	1+	50+	100+	500+	+
Straight PCB Pins							
10	636-1027	618-068▲	0.96	0.87	0.74	0.60	--
10	1761602-3	110-7923●	0.96	0.87	0.74	0.60	--
14	636-1427	618-070▲	1.43	1.28	1.09	0.91	--
14	1761602-5	110-7925●	1.43	1.28	1.09	0.91	--
16	636-1627	618-081▲	1.37	1.19	1.06	0.87	--
16	1761602-6	110-7927●	1.37	1.19	1.06	0.88	--
20	636-2027	618-093▲	1.57	1.38	1.16	1.08	--
20	1761602-7	110-7928●	1.57	1.38	1.16	1.08	--
26	636-2627	618-100▲	1.73	1.54	1.48	--	--
26	1761602-9	110-7929●	1.73	1.54	1.48	--	--
34	636-3427	618-111▲	1.93	1.77	--	--	--
34	1-1761602-1	110-7930●	1.93	1.77	--	--	--
40	636-4027	618-123▲	2.05	1.83	1.70	--	--
40	1-1761602-3	110-7931●	2.05	1.83	1.72	--	--
50	636-5027	618-135▲	2.57	2.28	2.24	--	--
50	1-1761602-5	110-7932●	2.57	2.28	2.24	--	--
90° PCB Pins							
10	636-1007	618-159▲	1.11	1.06	--	--	--
10	1761604-3	110-7933●	1.11	1.06	--	--	--
14	636-1407	618-160▲	1.19	1.06	1.02	--	--
14	1761604-5	110-7934●	1.19	1.06	1.02	--	--
20	636-2007	618-184▲	1.60	1.41	1.22	--	--
26	1761604-8	110-7936●	3.42	--	--	--	--
34	1-1761604-1	110-7937●	1.98	1.72	1.67	--	--
34	636-3407	618-202▲	1.98	1.72	1.67	--	--
40	1-1761604-3	110-7939●	2.76	2.46	2.14	2.00	--
40	636-4007	618-214▲	2.76	2.46	2.14	2.00	--
50	1-1761604-5	110-7941●	2.34	2.05	2.05	--	--

Industrial Performance IDC

- One piece connector
- Reduces installation time and misalignment errors

Housing	Glass Reinforced Thermoplastic, UL94V-0
Contacts	Phosphor Bronze, 0.75µ Gold over Nickel
Mechanical endurance	200 cycles
Operating temperature	-55°C to +125°C
Dielectric withstanding voltage	500V rms @ sea level
Contact rating	1A
Insulation resistance	>1 10 ⁹ Ω @500V dc

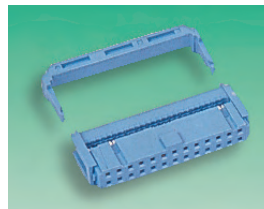
tyco / Electronics / ANSLEY

Specifications common to all Industrial Performance Standard Density IDC 0.05" Cable Pitch Connectors unless otherwise stated.

208854

Female Socket Fork Type ID

tyco / Electronics / ANSLEY



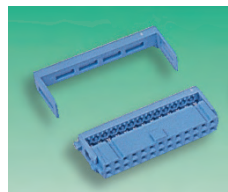
- Tuning fork type insulation displacement (ID)
- Dual polarising bar
- Mates with PCB Headers with latches only

219676

No. of Mfrs. Ways	List No.	Order Code	1+	50+	100+	500+	+
Bump/Clip Polarisation							
10	622-1041	152-718▲	3.01	2.73	2.44	2.15	--
10	1658624-1	110-7818●	3.01	2.73	2.44	2.15	--
14	622-1441	152-719▲	3.37	3.05	2.73	2.46	--
14	1658624-2	110-7819●	3.37	3.05	2.73	2.46	--
16	622-1641	152-720▲	3.67	3.31	2.99	2.63	--
16	1658624-3	110-7820●	3.67	3.31	2.99	2.63	--
20	622-2041	152-721▲	5.64	5.10	4.53	4.04	--
20	1658624-4	110-7821●	5.64	5.10	4.53	4.04	--
26	622-2641	152-722▲	5.84	5.30	4.72	4.21	--
26	1658624-6	110-7822●	5.84	5.30	4.72	4.21	--
34	622-3441	152-723▲	6.85	6.16	5.52	4.91	--
34	1658624-8	110-7824●	6.85	6.16	5.52	4.91	--
40	622-4041	152-724▲	8.68	7.83	7.00	6.23	--
40	1658624-9	110-7825●	8.68	7.83	7.00	6.23	--
50	622-5041	152-725▲	9.18	8.28	7.42	6.58	--
50	1-1658624-0	110-7826●	9.18	8.28	7.42	6.58	--

Female Socket (with Strain Relief) Tulip Contacts

tyco / Electronics / ANSLEY



- Four point insulation displacement (IDC)
- Mates with all header types
- Dual slot polarisation

Bump/Clip polarisation 311-054

219660

No. of Mfrs. Ways	List No.	Order Code	1+	50+	100+	500+	+
Bump/Clip Polarisation							
10	609-1041	311-017▲	6.24	5.46	4.62	3.63	--
10	1658526-5	110-7841●	6.24	5.46	4.62	3.63	--
14	609-1441	311-029▲	6.62	5.77	4.93	4.46	--
14	1658526-9	110-7842●	6.62	5.77	4.93	4.46	--
16	609-1641	311-030▲	7.22	6.32	5.39	4.79	--
16	1-1658526-1	110-7843●	7.22	6.32	5.39	4.79	--
20	609-2041	311-042▲	11.51	10.08	8.60	6.74	--
20	1-1658526-3	110-7844●	11.51	10.08	8.60	6.74	--
26	609-2641	311-054▲	11.72	10.30	8.80	6.87	--
26	1-1658526-6	110-7845●	11.72	10.30	8.80	6.87	--
34	609-3441	311-066▲	14.66	12.87	10.98	8.60	--
34	1-1658526-9	110-7846●	14.66	12.87	10.98	8.60	--
40	609-4041	311-078▲	18.73	16.44	14.00	10.98	--
40	2-1658526-1	110-7848●	18.73	16.44	14.00	10.98	--
50	609-5041	311-080▲	21.67	19.00	16.18	12.71	--
50	2-1658526-4	110-7850●	21.67	19.00	16.18	12.71	--

PCB Mounting Headers - Vertical With - Latches (Bump/Clip Polarisation)

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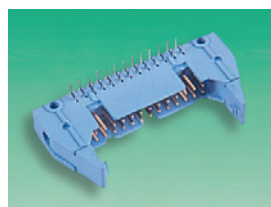
208859

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

No of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
10	622-1024ES	460-461▲	4.73	4.18	3.60	3.02	--
10	5499206-1	110-7905●	4.73	4.18	3.60	3.02	--
14	622-1424ES	460-473▲	4.72	4.24	3.82	3.35	--
14	5499206-2	110-7906●	4.72	4.24	3.82	3.53	--
16	622-1624ES	460-485▲	5.09	4.58	4.15	3.98	--
16	5499206-3	110-7907●	5.09	4.58	4.15	3.98	--
20	622-2024ES	460-497▲	5.73	5.15	4.67	4.02	--
20	5499206-4	110-7908●	5.73	5.15	4.67	4.02	--
26	622-2624ES	460-503▲	7.76	6.97	6.29	5.44	--
26	5499206-6	110-7909●	7.76	6.97	6.29	5.44	--
34	622-3424ES	460-515▲	8.77	7.91	7.10	6.22	--
34	5499206-8	110-7910●	8.77	7.91	7.10	6.22	--
40	622-4024ES	460-527▲	11.13	10.05	9.01	7.85	--
40	5499206-9	110-7911●	11.13	10.05	9.01	7.85	--
50	622-5024ES	460-539▲	12.14	10.96	9.86	8.43	--
50	1-5499206-0	110-7912●	12.14	10.96	9.86	8.43	--
60	622-6024ES	460-540▲	14.41	12.65	10.75	9.34	--
60	3-5499206-1	110-7913●	14.41	12.65	10.75	9.58	--

● 90° version require no 4 x 9.5mm self taper or 2.5mmx12mm long screw

90° PCB Mounting Headers With Latches (Bump/Clip Polarisation)

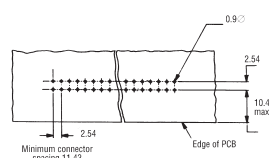
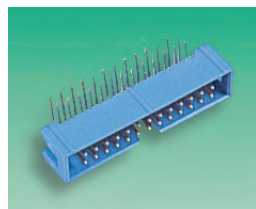


- Secured by a no. 4 x 6.5mm self-taper

208870

No of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
10	622-1004ES	460-631▲	4.38	3.96	3.54	3.02	--
10	5499141-1	110-7915●	4.38	3.96	3.54	3.02	--
14	622-1404ES	460-643▲	4.69	4.24	3.79	3.39	--
14	5499141-2	110-7916●	4.69	4.24	3.79	3.39	--
16	5499141-3	110-7917●	5.01	4.49	4.08	3.47	--
26	622-2604ES	460-680▲	7.76	6.97	6.29	5.44	--
26	5499141-6	110-7918●	7.76	6.97	6.29	5.44	--
34	622-3404ES	460-692▲	8.77	7.91	7.10	6.22	--
34	5499141-8	110-7919●	8.77	7.91	7.10	6.22	--
40	5499141-9	110-7920●	11.02	9.95	8.92	7.90	--
50	1-5499141-0	110-7921●	12.01	10.85	9.76	8.60	--
50	622-5004ES	460-710▲	12.01	10.85	9.76	8.60	--
60	3-5499141-1	110-7922●	14.41	12.65	10.75	10.40	--

PCB Mounting Low Profile Headers



Recommended PCB drilling pattern

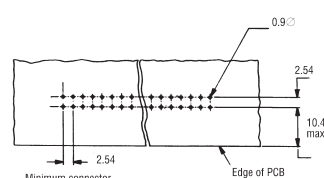
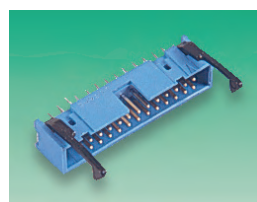
- Fully Shrouded
- Bump polarised headers
- Mates with Female socket with strain relief and tulip contacts

208881

No of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
Straight PCB Pins							
10	609-1027	312-046▲	2.66	2.43	2.20	1.91	--
10	1761603-3	110-7851●	2.66	2.43	2.20	1.91	--
14	609-1427	312-058▲	3.04	2.73	2.46	2.23	--
14	1761603-5	110-7852●	3.04	2.73	2.46	2.23	--
16	609-1627	312-060▲	3.37	3.02	2.73	2.43	--
16	1761603-6	110-7853●	3.37	3.02	2.73	2.43	--
20	609-2027	312-071▲	3.37	3.02	2.73	2.40	--
20	1761603-7	110-7854●	3.37	3.02	2.73	2.40	--
26	609-2627	312-083▲	5.03	4.50	4.08	3.60	--
26	1761603-9	110-7855●	5.03	4.50	4.08	3.60	--
34	609-3427	312-095▲	6.07	5.41	4.93	4.31	--
34	1-1761603-1	110-7856●	6.07	5.41	4.93	4.31	--
40	609-4027	312-101▲	7.68	6.87	6.23	5.49	--
40	1-1761603-3	110-7857●	7.68	6.87	6.23	5.49	--
50	609-5027	312-113▲	8.77	7.82	7.07	6.56	--
50	1-1761603-5	110-7858●	8.77	7.82	7.07	6.56	--

No of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
90° PCB Pins							
10	609-1007	312-137▲	2.66	2.43	2.20	1.95	--
10	1761605-3	110-7861●	2.66	2.43	2.20	1.95	--
14	609-1407	312-149▲	3.04	2.73	2.46	2.23	--
14	1761605-5	110-7862●	3.04	2.73	2.46	2.23	--
16	609-1607	312-150▲	3.37	3.02	2.73	2.46	--
16	1761605-6	110-7863●	3.37	3.02	2.73	2.46	--
20	609-2007	312-162▲	3.37	3.02	2.73	2.46	--
20	1761605-7	110-7864●	3.37	3.02	2.73	2.46	--
26	609-2607	312-174▲	4.98	4.46	4.04	3.58	--
26	1761605-9	110-7865●	4.98	4.46	4.04	3.58	--
34	609-3407	312-186▲	5.66	5.14	4.72	4.28	--
34	1-1761605-1	110-7866●	5.66	5.14	4.72	4.28	--
40	609-4007	312-198▲	7.76	6.94	6.29	5.54	--
40	1-1761605-3	110-7867●	7.76	6.94	6.29	5.54	--
50	609-5007	312-204▲	8.68	7.74	7.00	6.23	--
50	1-1761605-5	110-7868●	8.68	7.74	7.00	6.23	--

PCB Mounting Headers Side Lock/Eject and Bump/Clip Polarising (replaces 500-xx27/07 Series)



H=9.2, W=X, D=10.3 (excl. stand-offs)

- Low profile, with positive stop, side lock/eject latches
 - End stackable
 - Improved stand-offs and bump*/clip polarisation (order clip separately)
 - Suitable for mating with female sockets with strain relief and tulip contacts
- *10 way, bump polarisation only.

Contacts: Phosphor bronze, 0.75μ" gold over nickel.
Operating temperature: -55°C to +125°C

208891

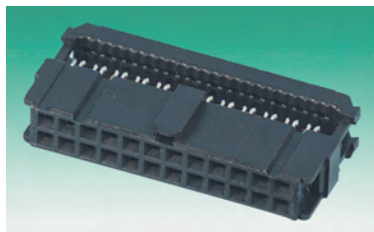
No of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
Straight PCB Pins							
10	501-1027ES	152-009▲	4.51	4.05	3.64	3.24	--
10	2-1761606-3	110-7788●	4.51	4.05	3.64	3.24	--
14	501-1427ES	152-010▲	4.85	4.37	3.96	3.60	--
14	2-1761606-5	110-7791●	4.85	4.37	3.96	3.60	--
16	501-1627ES	152-011▲	5.06	4.50	4.08	3.60	--
16	2-1761606-6	110-7792●	5.06	4.50	4.08	3.60	--
20	501-2027ES	152-012▲	6.37	5.77	5.15	4.53	--
20	2-1761606-7	110-7794●	6.37	5.77	5.15	4.53	--
26	501-2627ES	152-013▲	6.68	6.03	5.38	4.83	--
26	2-1761606-9	110-7795●	6.68	6.03	5.38	4.83	--
34	501-3427ES	152-014▲	7.28	6.54	5.90	5.22	--
34	3-1761606-1	110-7796●	7.28	6.54	5.90	5.22	--
40	501-4027ES	152-015▲	8.13	7.32	6.59	5.84	--
40	3-1761606-3	110-7797●	8.13	7.32	6.59	5.84	--
50	501-5027ES	152-016▲	8.49	7.66	6.88	6.13	--
50	3-1761606-5	110-7798●	8.49	7.66	6.88	6.13	--
60	501-6027ES	152-017▲	9.54	8.33	7.44	--	--
60	3-1761606-6	110-7799●	9.54	8.33	7.44	--	--

No of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
90°PCB Pins							
10	501-1007ES	152-018▲	4.51	4.05	3.64	3.24	--
10	2-1761607-3	110-7801●	4.51	4.05	3.64	3.24	--
14	501-1407ES	152-019▲	4.80	4.33	3.92	3.56	--
14	2-1761607-5	110-7802●	4.80	4.33	3.92	3.56	--
16	501-1607ES	152-020▲	5.06	4.50	4.08	3.60	--
16	2-1761607-6	110-7803●	5.06	4.50	4.08	3.60	--
20	501-2007ES	152-021▲	6.37	5.77	5.15	4.53	--
20	2-1761607-7	110-7804●	6.37	5.77	5.15	4.53	--
26	501-2607ES	152-022▲	6.68	6.03	5.38	4.83	--
26	2-1761607-9	110-7805●	6.68	6.03	5.38	4.83	--
34	501-3407ES	152-023▲	7.28	6.54	5.90	5.22	--
34	3-1761607-1	110-7806●	7.28	6.54	5.90	5.22	--
40	501-4007ES	152-024▲	8.13	7.32	6.59	5.84	--
40	3-1761607-3	110-7807●	8.13	7.32	6.59	5.84	--
50	501-5007ES	152-025▲	8.41	7.58	6.81	6.07	--
50	3-1761607-5	110-7808●	8.41	7.58	6.81	6.07	--

7

Connectors - IDC

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

Amp-Latch
Female Socket**tyco** / Electronics / **AMP**

- Female socket, IDC termination
- Dual slot polarisation
- Wire pitch 1.27mm, 30AWG (0.05mm²) single strand, 32AWG (0.03mm²) stranded
- UL recognised and CSA approved
- Kinked solder tails for board retention during soldering
- Pitch 2.54mm x 2.54mm

Contact Material Beryllium Copper, single piece, 15µm Gold in contact area
Housing Material Black thermoplastic, **UL94V-0**

231799

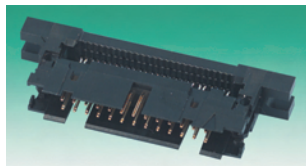
No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+	+
Price Each								
10	746285-1	335-6243 ▲‡	2.01	1.95	1.77	1.38	--	--
10	1658621-1	109-8498 ●	3.17	2.73	2.02	1.58	--	--
14	746285-2	335-6255 ▲‡	2.22	2.16	1.95	1.53	--	--
14	1658621-2	109-8499 ●	3.53	3.04	2.24	1.76	--	--
16	1658621-3	109-8501 ●	4.00	3.44	2.54	1.99	--	--
20	746285-4	335-6279 ▲‡	2.52	2.46	2.22	1.74	--	--
20	1658621-4	109-8503 ●	4.94	4.25	3.14	2.46	--	--
24	746285-5	335-6280 ▲‡	2.58	2.49	2.25	1.77	--	--
24	1658621-5	109-8507 ●	5.05	4.35	3.21	2.52	--	--
26	746285-6	335-6292 ▲‡	2.70	2.61	2.37	1.86	--	--
26	1658621-6	109-8511 ●	5.33	4.58	3.39	2.65	--	--
30	746285-7	335-6309 ▲‡	2.97	2.88	2.61	2.06	--	--
30	1658621-7	109-8518 ●	5.41	4.65	3.44	2.69	--	--
34	746285-8	335-6310 ▲‡	3.09	3.00	2.70	2.14	--	--
34	1658621-8	109-8521 ●	3.38	2.91	2.15	1.68	--	--
40	746285-9	335-6322 ▲‡	3.33	3.24	2.94	2.31	--	--
40	1658621-9	109-8522 ●	6.75	5.81	4.29	3.36	--	--

Strain Reliefs

No. of Ways	Mfrs. List No.	Order Code	10+	50+	100+	500+	+
10	499252-5	131-544 ●	0.33	0.30	0.27	0.23	--
14	499252-9	131-556 ●	0.33	0.30	0.27	0.23	--
16	499252-8	131-568 ●	0.33	0.30	0.27	0.23	--
20	499252-2	131-570 ●	0.33	0.30	0.27	0.23	--
26	499252-3	131-593 ●	0.33	0.30	0.27	0.22	--
30	1-499252-2	131-600 ●	0.33	0.30	0.27	0.21	--
34	499252-6	131-611 ●	0.33	0.30	0.27	0.23	--
40	499252-1	131-623 ●	0.33	0.30	0.27	0.23	--
50	499252-4	131-635 ●	0.33	0.30	0.27	0.23	--

Amp-Latch

Male Cable Mount Headers with Ears

tyco / Electronics / **AMP**

- Novolatch flat ribbon IDC connectors
- With ears, suitable for #UNC4-40 screw
- Available with or without eject latches
- Square 0.64mm pins
- Wire pitch 1.27mm (AWG 28-26)
- Pitch 2.54mm x 2.54mm
- UL Recognised and CSA approved

Contact Material Phosphor Bronze, 30µm Gold over Nickel
Housing Material Black thermoplastic, **UL94V-0**

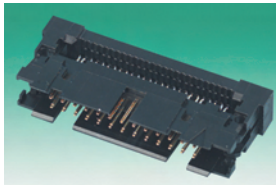
232132

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
Price Each							
Without Latches							
10	111448-1	366-8824 ▲‡	6.96	5.25	4.74	4.08	--
10	5111448-1	109-8605 ●	6.96	6.48	4.87	4.13	--
14	5111448-2	966-2596 ●	10.83	10.04	7.55	6.39	--
16	5111448-3	966-2600 ●	14.85	13.79	10.37	8.78	--
20	111448-4	366-8885 ▲‡	7.32	5.52	4.98	4.26	--
20	5111448-4	109-8606 ●	7.32	6.81	5.12	4.33	--
24	111448-5	366-8897 ▲‡	16.98	12.81	11.55	9.93	--
24	5111448-5	109-8608 ●	16.98	15.76	11.85	10.03	--
34	111448-8	366-8927 ▲‡	9.60	7.26	6.54	5.64	--
34	5111448-8	109-8609 ●	9.60	8.95	6.73	5.70	--
40	111448-9	366-8939 ▲‡	10.65	8.01	7.23	6.24	--
40	5111448-9	109-8610 ●	10.65	9.88	7.43	6.29	--
44	1-111448-0	366-8952 ▲	17.88	13.50	12.18	10.14	--
60	1-111448-2	366-8976 ▲	14.67	11.07	9.99	8.58	--
With Long Latches							
10	111506-1	381-5420 ▲‡	9.72	8.46	7.20	6.18	--
10	1-111506-6	109-8626 ●	11.83	10.65	8.01	6.78	--
16	111506-3	381-5444 ▲‡	10.92	9.69	8.25	6.93	--
16	1-111506-8	109-8628 ●	13.24	11.91	8.96	7.59	--
20	1-111506-9	966-2561 ●	14.37	12.93	9.73	8.24	--
26	111506-6	381-5468 ▲‡	10.92	9.69	8.25	6.93	--
26	2-111506-1	109-8629 ●	15.62	14.05	10.57	8.95	--

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
Price Each							
With Long Latches							
34	2-111506-3	966-2588 ●	16.07	14.47	10.88	9.21	--
40	111506-9	381-5481 ▲‡	14.82	12.90	10.95	9.24	--
40	2-111506-4	109-8630 ●	17.96	16.17	12.16	10.30	--
50	1-111506-1	381-5493 ▲‡	17.16	14.91	12.69	10.71	--
50	1-111506-4	109-8631 ●	20.80	18.72	14.08	11.92	--

Amp-Latch

Male Cable Mount Headers W/O Ears

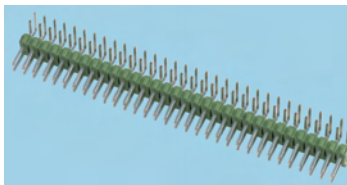
tyco / Electronics / **AMP**

- Novolatch flat ribbon IDC connectors
- Without ears
- Available with or without eject latches
- Square 0.64mm pins
- Wire pitch 1.27mm (AWG 28-26)
- Pitch 2.54mm x 2.54mm
- UL Recognised and CSA approved

Contact Material Phosphor Bronze, 30µm Gold over Nickel
Housing Material Black thermoplastic, **UL94V-0**

232134

No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+	500+	+
Price Each							
Without Latches							
10	111446-1	366-8691 ▲‡	6.06	4.56	4.11	3.54	--
10	1-111446-4	109-8589 ●	6.06	5.63	4.23	3.58	--
14	111446-2	366-8708 ▲‡	6.30	4.77	4.32	3.69	--
14	1-111446-5	109-8595 ●	6.30	5.87	4.42	3.74	--
16	111446-3	366-8710 ▲‡	6.57	4.98	4.50	3.87	--
16	1-111446-6	109-8596 ●	6.57	6.12	4.60	3.90	--
20	111446-4	366-8721 ▲‡	7.86	5.97	5.37	4.62	--
20	1-111446-8	109-8598 ●	7.86	7.33	5.51	4.67	--
24	1-111446-9	966-2618 ●	16.04	14.89	11.20	9.48	--
26	111446-6	366-8745 ▲‡	16.32	12.33	11.10	9.54	--
26	2-111446-0	109-8599 ●	16.32	15.15	11.40	9.65	--
30	111446-7	366-8757 ▲‡	16.80	12.66	11.43	9.84	--
30	2-111446-1	109-8600 ●	16.80	15.56	11.71	9.91	--
34	111446-8	366-8769 ▲‡	6.87	5.19	4.68	4.02	--
34	2-111446-2	109-8601 ●	6.87	6.40	4.81	4.07	--
40	111446-9	366-8770 ▲‡	7.80	5.88	5.31	4.56	--
40	2-111446-3	109-8602 ●	6.53	5.87	4.42	3.74	--
50	1-111446-1	366-8794 ▲‡	8.25	6.24	5.61	4.83	--
50	1-111446-7	109-8604 ●	8.25	7.66	5.76	4.88	--
60	1-111446-2	366-8800 ▲	16.59	12.54	11.28	9.72	--
With Long Latches							
10	111504-1	381-5500 ▲‡	7.02	6.09	5.19	4.38	--
10	1-111504-4	109-8632 ●	8.51	7.66	5.76	4.88	--
14	111504-2	381-5511 ▲‡	7.80	6.78	5.76	4.86	--
14	1-111504-5	109-8633 ●	9.46	8.51	6.40	5.42	--
16	111504-3	381-5523 ▲‡	8.58	7.47	6.33	5.34	--
16	1-111504-6	109-8634 ●	10.40	9.36	7.04	5.96	--
20	111504-4	381-5535 ▲‡	9.36	8.10	6.93	5.82	--
20	1-111504-7	109-8635 ●	11.35	10.21	7.68	6.50	--
26	1-11154-9	966-2570 ●	12.29	11.06	8.32	7.04	--

PCB Pin Strip Headers
Straight and 90° PCB Pins**tyco** / Electronics / **AMP**

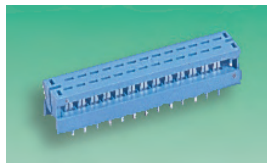
- Space saving board to board or wire to board interconnect system
- Mates directly with female sockets and shorting links
- Easy to subdivide. Straight or 90° PCB versions
- Gold or tin over nickel plating

Flammability rating UL94V-0 Housing material Thermoplastic polyester, Green
Pitch 2.54 Contact material Brass

344233

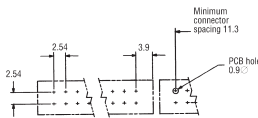
Mfrs. List No.	Order Code	1+	50+	100+	500+
Price Each					
Single Row					
32 Way Straight PCB Pins					
Tin 3-826936-2	521-7805 ●	4.07	3.78	3.39	2.93
Gold 3-826646-2	521-7817 ●	8.14	7.55	6.77	5.89
32 Way 90° PCB Pins					
Tin 3-826949-2	521-7829 ●	4.07	3.78	3.39	2.93
Gold 3-826652-2	521-7830 ●	8.14	7.55	6.77	5.89
Double Row					
32 + 32 Way Straight PCB Pins					
Tin 3-826942-2	521-7842 ●	8.14	7.55	6.77	5.89
Gold 3-826656-2	521-7854 ●	13.25	12.34	11.03	9.63
32 + 32 Way 90° PCB Pins					
Tin 3-826955-2	521-7866 ●	7.39	6.90	6.15	5.37
Gold 3-826662-2	521-7878 ●	12.21	11.36	10.16	8.89

Low Profile Mini DIP Transition 0.1" x 0.1" Pitch (Replaces 609-xx53 Series)



H=6.5, D=7.11
PCB pins 2.5mm long

tyco Electronics ANSLEY



Recommended PCB hole pattern viewed
from components side of board

219666

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+	+
10	622-1053	152-029▲	3.05	2.69	2.43	2.23	--
10	2-746610-1	110-7809●	3.05	2.69	2.43	2.23	--
14	622-1453	152-030▲	2.69	2.43	2.20	2.00	--
14	2-746610-2	110-7810●	2.69	2.43	2.20	2.00	--
16	622-1653	152-031▲	3.05	2.73	2.43	2.23	--
16	1-746610-4	110-7812●	3.05	2.73	2.43	2.23	--
20	622-2053	152-032▲	3.34	3.02	2.69	2.51	--
20	1-746610-5	110-7813●	3.34	3.02	2.69	2.51	--
26	622-2653	152-033▲	5.03	4.50	4.05	3.77	--
26	1-746610-6	110-7814●	5.03	4.50	4.05	3.77	--
34	622-3453	152-034▲	5.90	5.28	4.77	4.15	--
34	1-746610-8	110-7815●	5.90	5.28	4.77	4.15	--
40	622-4053	152-035▲	7.45	6.64	5.97	5.66	--
40	1-746610-9	110-7816●	7.45	6.64	5.97	5.66	--
50	622-5053	152-036▲	7.59	6.78	6.09	5.25	--
50	2-746610-0	110-7817●	7.59	6.78	6.09	5.25	--

'D' Range Locking Accessories

tyco Electronics ANSLEY



Free knurled male jackscrew plastic 'D' connection (pair)
Fixed hexagonal female jack socket, front mounting connector (pair)
Free knurled male jackscrew for 'D' with plastic backshell (pair)
Fixed hexagonal female jack socket, rear mounting connector (pair)
Fixed hexagonal female jack socket, rear mounting connector (pair)

No. of Ways	Order Code
9 to 37	312-915
9 to 37	312-927
9 to 37	312-939
9 to 37	*312-952
9 to 37	*312-964

*The 312-952 is designed for 0.062" thick panels and the 312-964 for 0.125" thick panels.

208924

Mftrs. List No.	Order Code	1+	50+	100+	500+	+
609002	312-915●	6.27	6.15	--	--	--
609003	312-927●	8.04	--	--	--	--
609004	312-939●	12.19	10.90	9.92	9.35	--
609006	312-952●	7.81	6.87	5.83	5.07	--
6090071	312-964●	6.21	5.58	5.01	4.74	--

Hand Ribbon Cable Cutter



- Hand cable cutter with built-in cable guide
- Gives clean perpendicular cuts to cable with up to 64 conductors (82mm wide) 28AWG

Note: The flat platen is not replaced as it is plastic, but acquires a slot over the cutter's life which does not normally affect the efficiency of the blade. If it does affect the cutting efficiency, replace the whole tool.

208852

	Order Code	1+	5+	10+
Cutter	147-824	118.29	--	--
Spare Blades	150-077	2.85	2.64	2.31

Hand Tool (IDC)

multicomp



- Economy IDC hand tool
- Ideal for flat cable and connector assemblies

Crimping distance = 6mm to 27.5mm (with adaptor)

208935

	Order Code	1+	Price Each	5+
Hand Tool	963-010	25.09		23.01

Amplimite HDF-20

tyco Electronics AMP



- Metal and all plastic shell versions
- Tin plated steel front shell on metal version
- UL recognised, CSA certified

Contact rating	1.25A	Insert	Black Thermoplastic
Contact resistance	25mΩ max.	Shell	
		Contacts	Phosphor Bronze, duplex plated

208847

No. of Ways	Mftrs. List No.	Order Code	1+	10+	25+	50+	+
Plugs (Metal Shell)							
9	747306-4	177-0056▲‡	8.21	7.74	7.35	6.87	--
9	1658613-4	109-8449●	10.74	8.22	6.81	5.84	--
15	747306-3	134-6076▲‡	12.29	11.97	11.73	10.71	--
15	1658613-3	109-8393●	12.93	9.89	8.20	7.03	--
25	747306-2	134-6088▲‡	15.23	14.88	14.64	13.29	--
25	1658613-2	109-8394●	14.34	10.97	9.09	7.80	--
37	747306-1	134-6090▲‡	21.53	21.12	20.61	18.81	--
37	1658613-1	109-8395●	16.69	12.77	10.58	9.08	--
50	1658607-1	116-2478●	23.96	21.59	19.58		--
Sockets (Metal Shell)							
9	747303-4	177-0068▲‡	10.86	10.65	10.50	9.54	--
9	1658612-4	109-8450●	10.63	8.13	6.74	5.78	--
15	747303-3	134-6106▲‡	12.76	12.60	12.24	11.19	--
15	1658612-3	109-8396●	9.52	7.28	6.04	5.18	--
25	747303-2	134-6180▲‡	16.85	16.65	16.20	14.73	--
25	1658612-2	109-8397●	11.40	8.72	7.23	6.20	--
37	747303-1	134-6192▲‡	24.02	23.73	23.07	21.06	--
37	1658612-1	109-8398●	14.46	11.06	9.17	7.86	--
50	1658606-1	116-2477●	23.96	21.59	19.58		--
Plugs (All Plastic)							
9	747321-4	177-0032▲‡	8.52	8.28	8.01	7.38	--
9	1658615-4	109-8447●	22.20	16.99	13.95	12.08	--
15	747321-3	134-5965▲‡	10.44	10.08	9.90	9.03	--
15	1658615-3	109-8382●	26.80	20.51	16.83	14.58	--
25	747321-2	134-5977▲‡	13.17	12.75	12.60	11.55	--
25	1658615-2	109-8383●	21.86	16.73	13.73	11.89	--
37	747321-1	134-5989▲‡	18.50	18.06	17.82	16.23	--
37	1658615-1	109-8384●	37.37	27.82	23.04	20.33	--
Sockets (All Plastic)							
9	747318-4	177-0044▲‡	9.57	9.36	9.18	8.52	--
9	1658614-4	109-8448●	13.40	10.25	8.49	7.29	--
15	747318-3	134-6040▲‡	9.99	9.49	9.02	8.57	--
15	1658614-3	109-8388●	17.75	13.58	11.15	9.65	--
25	747318-2	134-6052▲‡	13.79	11.37	10.56	8.88	--
25	1658614-2	109-8390●	8.70	6.66	5.51	4.73	--
37	747318-1	134-6064▲‡	19.41	18.44	17.52	17.46	--
37	1658614-1	109-8392●	9.28	7.10	5.89	5.05	--
Strain Reliefs							
9	747275-4	348-2510●	0.93	0.75			
15	747275-3	348-2522●	1.14	0.93			
25	747275-2	348-2534●	1.32	1.08			
37	747275-1	348-2546●	2.31	1.89			

Miniature Delta Ribbon

Mini D Ribbon (MDR) Connectors

NEW

3M

The MDR connector system features high density shielded I/O connectors with a broad range of boardmount, wiremount and cabling components in sizes ranging from 14 -50 positions. The MDR connectors are a reliable system for repetitive plugging and unplugging in I/O applications such as the IEEE 1284 interface. This system also features excellent electrical performance in high data rate, low voltage and

7

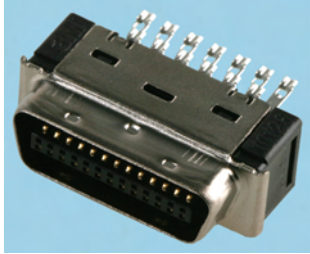
Connectors - IDC

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

differential signal transmission application such as high-speed digital video interconnects for desktop LCDs.

411220

Solder Plug Connector - Shielded



- Wiper-on-wiper contact for reliable repetitive plugging
- Solder cup termination requires no special tooling
- Accepts a wide variety of discrete wire (24 to 30 AWG) cable construction

3M
NEW

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
14	10114-3000PE	929-2624	14.67	13.44	12.72	11.97
20	10120-3000PE	929-2632	14.85	13.59	12.90	12.18
26	10126-3000PE	929-2640	15.27	14.58	13.83	12.93
36	10136-3000PE	929-2659	18.21	17.61	16.83	15.69
50	10150-3000PE	929-2667	21.42	20.52	19.62	18.90

411229

Wiremount Plug - Shielded



- Wiper-on-wiper contact for reliable repetitive plugging
- MDR digital LCD interface as a 20 or 26 contact connector
- IEEE 1284C Interface as a 36 contact connector
- Accepts a wide variety of cable constructions including flat, round, twisted pair and twinax cables

3M
NEW

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
20	10120-6000EL	929-2675	11.52	10.68	10.23	9.48
26	10126-6000EL	929-2683	11.91	11.07	10.53	9.66
36	10136-6000EL	929-2691	12.78	11.88	11.28	10.47
50	10150-6000EL	929-2705	17.22	15.96	15.21	14.13
68	10168-6000EL	929-2713	17.91	16.71	15.96	15.00

411259

Right Angle Receptacle - Shielded



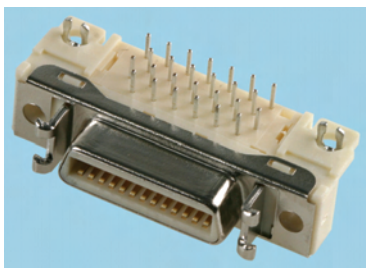
- Wiper-on-wiper contact for reliable repetitive plugging
- Ultra-low signal skew for high data rate transmission
- Suitable for MDR digital LCD interface connectors

3M
NEW

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
20	10220-1210PE	929-2721	24.41	21.71	20.34	19.53
26	10226-1210PE	929-2730	25.55	22.72	21.32	20.44

411584

Right Angled Receptacle



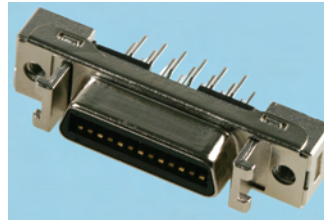
- Wiper-on-wiper contact for reliable repetitive plugging
- SMT compatible PCT insulator material
- Ground lock PCB retention - 55G3PL
- Screw lock retention - 5212PL
- Interface latch design for connection stability
- Glass reinforced polyester
- UL 94V-0
- MDR digital LCD interface as a 20 or 26 contact connector

3M
NEW

411669

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Reflow solder Compatible						
14	10214-5212PL	929-2748	8.59	7.65	7.16	6.87
20	10220-5212PL	929-2756	8.92	7.94	7.45	7.13
26	10226-5212PL	929-2764	9.57	8.50	7.97	7.65
36	10236-5212PL	929-2772	10.61	9.44	8.85	8.50
50	10250-5212PL	929-2780	11.10	9.90	9.28	8.89
68	10268-5212PL	929-2799	14.45	12.86	12.04	11.56
Surface mount compatible						
20	10220-55G3PL	929-2802	6.87	6.12	5.73	5.50
26	10226-55G3PL	929-2810	7.19	6.41	6.02	5.76
36	10236-55G3PL	929-2829	7.78	6.93	6.48	6.22

Thru Hole Receptacle - Shielded



- Wiper-on-wiper contact for reliable repetitive plugging
- SMT compatible
- PCT insulator material
- Screw lockdown for reliable PCB retention
- Interface latch design for connection stability
- IEEE 1284C Interface as a 36 contact connector
- UL 94V-0
- Contacts: 20, 26, 36, 50 and 68 way

3M
NEW

411676

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
20	10220-6212PL	929-2837	8.10	7.19	6.77	6.48
26	10226-6212PL	929-2845	8.43	7.49	7.03	6.74
36	10236-6212PL	929-2853	9.57	8.50	7.97	7.65
50	10250-6212PL	929-2861	9.80	8.72	8.17	7.84
68	10268-6212PL	929-2870	12.50	11.10	10.42	9.99

Plastic Junction Shell



- Durable two-piece glass reinforced polyester backshell with ground strap
- Round straight exit
- Reliable metal strain relief clamp provides grounding for cable shield
- Quick release latching mechanism or screw release
- Positions: 20, 26, 36, 50

3M
NEW

411673

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Quick release						
20	10320-52F0-008	929-2926	10.98	9.78	9.18	--
26	10326-52F0-008	929-2934	12.12	10.77	10.11	--
36	10336-52F0-008	929-2942	12.27	10.92	10.23	--
50	10350-52F0-008	929-2950	12.42	11.04	10.35	--
Screw release						
20	10320-52A0-008	929-2888	9.12	8.10	7.62	--
26	10326-52A0-008	929-2896	10.23	9.12	8.55	--
36	10336-52A0-008	929-2900	10.32	9.18	8.61	--
50	10350-52A0-008	929-2918	10.53	9.39	8.79	--

Metal Junction Shell



- Metal junction shell for round cable
- Rugged two-piece die cast metal shell with round straight exit
- Reliable metal strain relief clamp provides grounding for cable shield
- Excellent EMI/ESD protection
- Quick release latching mechanism
- 1.27mm (0.050") nickel plated aluminum casing

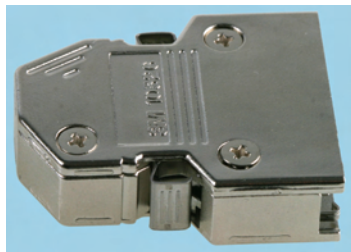
3M
NEW

411672

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
20	10320-A200-00	929-3019	23.84	22.16	20.89	--
26	10326-A200-00	929-3027	24.17	22.50	21.26	--
36	10336-A200-00	929-3043	24.84	22.90	21.80	--
50	10350-A200-00	929-3051	30.23	27.92	26.72	--
68	10368-A200-00	929-3060	32.78	30.23	28.76	--

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

60° Metal Junction Shell



- 60° metal junction shell for round cable
- Rugged two-piece die cast metal shell with 60° round exit
- Reliable metal strain relief clamp provides grounding for cable shield
- Excellent EMI/ESD protection
- Quick release latching mechanism
- 1.27mm (0.050") nickel plated aluminum casing
- Positions: 26, 36 and 50

3M

NEW

411670

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
26	10326-A500-00	929-3078	24.17	22.23	20.96	--
36	10336-A500-00	929-3086	24.41	22.43	21.13	--
50	10350-A500-00	929-3094	30.47	27.96	26.35	--

Plastic Shielded Junction Shell



- Durable one piece plastic over two piece metal junction shell for straight round cable
- Reliable metal strain relief clamp provides grounding for cable shield
- MDR digital LCD Interface as a 20 or 26 contact connector
- Quick release latching mechanism
- 1.27mm (0.050") nickel plated aluminum casing

3M

NEW

411674

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
20	10320-3210-000	929-2969	8.22	7.68	7.23	--
26	10326-3210-000	929-2977	8.31	7.83	7.50	--
36	10336-3210-000	929-2985	9.93	9.06	8.85	--
50	10350-3210-000	929-2993	10.59	9.78	9.39	--
68	10368-3210-000	929-3000	10.89	9.99	9.60	--

Accessories - Screw Lock

- I/O Mounting hardware for MDR
- Use 2 screw locks per connector
- Thread size: M2.5

411602

Mfrs. List No.	Order Code	1+	10+	50+	100+
3341-31	929-3108	4.98	4.62	4.43	4.37

Receptacle Connectors

Bump Polarised (not IDC)



- Female sockets with removable crimp contacts
- Single or twisted pair cable applications
- Bump polarised, mates with 0.1" pitch headers with or without latch ejectors

Contact rating	3A dc	Housing	Nylon UL94V-1
Voltage rating	250Vac	Cover	Nylon 6, UL94V-2
Contact resistance	20mΩ max.	Contacts	copper alloy
Wire size	24-32AWG		gold over palladium
Mfrs. List No.	Connectors=FCN723B0xx2, Crimp tool = FCN723T007H,	Covers=FCN720C0xx25 where xx = No of ways	Contacts=FCN723J-AUQ

208812

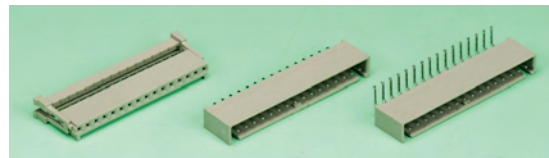
No. of Ways	Order Code	1+	25+	Price Each	100+	250+	+	+
Receptacle Connectors (Bump Polarised)								
20	145-106	2.23	1.85	1.62	1.36	--	--	--
20	109-7347	2.54	2.08	1.86	1.69	--	--	--
26	145-107	2.54	--	--	--	--	--	--
26	109-7348	2.83	2.44	2.18	1.89	--	--	--
34	145-108	3.00	2.49	2.27	1.82	--	--	--
34	109-7351	3.42	2.80	2.64	2.28	--	--	--
40	145-109	3.50	2.99	2.66	2.15	--	--	--
40	109-7352	4.00	3.42	3.09	2.73	--	--	--
50	152-280	3.88	3.24	2.89	2.34	--	--	--
50	109-7375	4.43	3.71	3.39	2.99	--	--	--

No. of Ways	Order Code	1+	25+	100+	250+	+	+
Receptacle Covers							
20	145-112	8.50	7.04	6.23	--	--	--
20	109-7353	9.24	7.67	6.93	--	--	--
26	145-113	9.08	7.52	6.68	--	--	--
26	109-7354	9.88	8.20	7.40	--	--	--
34	152-281	10.27	8.53	7.55	--	--	--
34	109-7376	10.84	9.02	8.17	7.32	--	--
Crimp Tool							
Crimp Contacts							
100 per pack	145-118	51.94					
100 per pack	109-7356	61.94					

IDC 0.1" Cable Pitch

Single Row IDC Sockets and Headers

ELCO



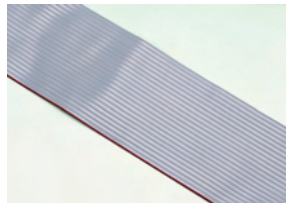
Socket Straight PCB Pins: H=9.55, D=5.5 90° PCB Pins: H=5.5, D=9.55

- Single row 2.54mm pitch
- Mass termination
- Cable notching eliminated
- Suitable for 26/28AWG stranded ribbon cable

208866

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	+
Socket							
8	208284008000030	636-502	3.03	2.88	2.67	2.16	--
14	208284014000030	636-514	3.18	3.00	2.82	2.22	--
18	208284018000030	636-538	3.78	3.60	3.36	2.64	--
24	208284024000030	636-551	4.09	3.96	3.63	2.88	--
Straight PCB Pins							
8	108284008000030	636-563	2.28	2.16	2.04	1.59	--
14	108284014000030	636-575	2.50	2.37	2.22	1.74	--
18	108284018000030	636-599	2.96	2.79	2.61	2.10	--
24	108284024000030	636-629	3.65	3.39	3.24	2.58	--
90° PCB Pins							
8	108284008002030	636-630	2.28	2.16	2.04	1.59	--
14	108284014002030	636-642	2.50	2.37	2.22	1.80	--
18	108284018002030	636-666	2.96	2.82	2.67	2.10	--
24	108284024002030	636-680	3.65	3.45	3.24	2.55	--

0.1" Pitch Ribbon Cable



- Suitable for 8284 series single row IDC sockets

208867

100m Reels	No. of Conductors	Order Code	1+	Price Per Reel	5+	10+
	8	636-691	208.00	199.97	192.60	
	14	636-710	227.50	218.73	210.63	
	18	636-721	292.50	281.22	270.82	
	24	636-733	344.50	338.00	328.25	

Mass Termination Assemblies

MTA Connector System

tyco Electronics AMP

MTA is a complete printed circuit board interconnection system, offering design versatility and low applied cost. A variety of wire sizes and types from discrete to ribbon cable can be mass terminated in one step without wire stripping. Mass termination drastically reduces the labour content of virtually any cable or harness. Labour savings from 50% to 95% are attainable depending on application. Other benefits include:

- Increased quality
- One step assembly
- No wire stripping
- No crimp height control
- No contact damage
- No tooling wear
- Ease of handling
- Reduced wiring errors
- Preloaded contacts
- Easy to use tooling
- Simple maintenance and repair
- UL Recognised, CSA approvals

208804

7

Connectors - IDC

Compliant
Non-compliant
RoHS

Limited stock - RoHS replacement available

0.1" Pitch MTA Housings

tyco Electronics AMP

24 AWG Housing
588-21026 AWG Housing
588-271Dust Cover
588-386

- MTA 100 housings with preloaded contacts on 0.1" (2.54mm) pitch
- Housings colour coded by wire size:
 - 22 AWG (0.3mm²) = red
 - 24 AWG (0.2mm²) = natural
 - 26 AWG (0.12 - 0.15mm²) = blue
- Mates with all available 0.1" (2.54mm) pitch MTA post headers
- Current rating 4A

208807

No. of Ways	Mfrs. List No.	Order Code	5+	25+	50+	100+
22 AWG Housings						
2	640440-2	182-0539▲‡	0.31	0.31	0.31	0.28
2	3-640440-2	109-8459●	0.52	0.44	0.39	0.32
3	640440-3	155-482▲‡	0.48	0.47	0.44	0.44
3	3-640440-3	109-8438●	0.24	0.21	0.18	0.15
4	640440-4	182-0424▲‡	0.63	0.63	0.59	0.56
4	3-640440-4	109-8455●	1.12	0.95	0.84	0.68
5	640440-5	155-494▲‡	0.81	0.75	0.75	0.72
5	3-640440-5	109-8439●	1.42	1.21	1.07	0.87
6	640440-6	182-0448▲‡	0.97	0.93	0.90	0.84
6	3-640440-6	109-8456●	1.55	1.31	1.14	0.95
7	640440-7	155-500▲‡	1.10	1.08	1.05	0.99
7	3-640440-7	109-8440●	1.91	1.63	1.41	1.17
8	640440-8	155-512▲‡	1.28	1.26	1.20	1.11
8	3-640440-8	109-8442●	2.17	1.85	1.61	1.33
10	1-640440-0	182-0485▲‡	1.59	1.56	1.50	1.44
10	4-640440-0	109-8458●	3.56	3.03	2.63	2.18
12	1-640440-2	155-536▲‡	1.90	1.83	1.80	1.68
12	4-640440-2	109-8443●	3.22	2.74	2.38	1.97
24 AWG Housings						
2	640441-2	588-155▲‡	0.81	0.69	0.47	0.38
2	3-640441-2	109-8685●	0.52	0.44	0.39	0.32
3	640441-3	588-167▲‡	1.10	0.90	0.72	0.59
3	3-640441-3	109-8686●	0.92	0.78	0.69	0.56
4	640441-4	588-179▲‡	1.59	1.26	0.99	0.75
4	3-640441-4	109-8687●	1.11	0.94	0.83	0.68
5	640441-5	588-180▲‡	1.72	1.32	1.08	0.87
5	3-640441-5	109-8689●	1.41	1.20	1.06	0.86
6	640441-6	588-192▲‡	2.43	1.98	1.50	1.08
6	3-640441-6	109-8692●	1.91	1.63	1.41	1.17
7	640441-7	588-209▲‡	2.84	2.28	1.71	1.29
7	3-640441-7	109-8693●	2.22	1.89	1.64	1.36
8	640441-8	588-210▲‡	3.21	2.58	2.01	1.47
8	3-640441-8	109-8694●	2.72	2.31	2.01	1.66
9	640441-9	588-222▲‡	2.95	2.51	2.18	1.80
9	3-640441-9	109-8695●	2.95	2.51	2.18	1.80
10	1-640441-0	589-500▲‡	4.02	3.18	2.43	1.83
10	4-640441-0	109-8745●	3.43	2.91	2.53	2.10
12	1-640441-2	589-512▲‡	5.21	4.43	3.85	3.19
12	4-640441-2	109-8746●	5.21	4.43	3.85	3.19
15	1-640441-5	588-234▲‡	6.02	4.80	3.69	2.79
15	4-640441-5	109-8698●	6.53	5.56	4.83	4.00
20	2-640441-0	588-246▲‡	8.02	6.45	4.89	3.72
20	5-640441-0	109-8702●	8.74	7.43	6.46	5.35
26 AWG Housings						
2	640442-2	588-258▲‡	0.81	0.69	0.47	0.38
2	3-640442-2	109-8708●	0.60	0.51	0.45	0.37
3	640442-3	588-260▲‡	1.26	0.99	0.78	0.59
3	3-640442-3	109-8711●	1.01	0.86	0.76	0.62
4	640442-4	588-271▲‡	1.65	1.32	1.02	0.75
4	3-640442-4	109-8712●	1.31	1.11	0.99	0.80
5	640442-5	588-283▲‡	2.06	1.65	1.26	0.96
5	3-640442-5	109-8713●	0.71	0.60	0.53	0.43
6	640442-6	588-295▲‡	2.46	2.01	1.50	1.08
6	3-640442-6	109-8714●	1.97	1.67	1.45	1.20
7	640442-7	588-301▲‡	2.84	2.28	1.71	1.29
7	3-640442-7	109-8716●	2.42	2.06	1.79	1.48
8	640442-8	588-313▲‡	3.21	2.58	2.01	1.47
8	3-640442-8	109-8717●	2.62	2.23	1.93	1.60
10	1-640442-0	588-325▲‡	4.02	3.18	2.49	1.83
MT100 Dust Covers						
2	640550-2	588-337●	0.34	0.30	0.27	0.20
3	640550-3	588-349●	0.41	0.37	0.33	0.27
4	640550-4	588-350●	0.44	0.40	0.37	0.30
5	640550-5	588-362●	0.51	0.47	0.44	0.37

No. of Ways	Mfrs. List No.	Order Code	5+	25+	50+	100+
MT100 Dust Covers						
6	640550-6	588-374●	0.52	0.47	0.42	0.37
7	640550-7	588-386●	0.59	0.53	0.47	0.42
8	640550-8	589-524●	1.03	0.94	0.85	0.75
9	640550-9	589-536●	1.05	0.94	0.83	0.74
10	1-640550-0	589-548●	1.25	1.14	1.04	0.85

0.1" Pitch MTA Post Headers

tyco Electronics AMP

Straight
588-416Polarised Straight
588-490Friction Lock, Straight
588-593Right Angle
588-660Friction Lock, Right Angle
588-738

- MTA post header assemblies, pins 0.025" (0.64mm) square on 0.1" (2.54mm) centres
- Current rating 4A

208814

No. of Ways	Mfrs. List No.	Order Code	5+	50+	500+	1K+
Straight						
2	640452-2	588-398●	0.47	0.41	0.31	0.25
3	640452-3	588-404●	0.72	0.56	0.44	0.34
4	640452-4	588-416●	0.97	0.78	0.63	0.44
5	640452-5	588-428●	1.20	0.93	0.78	0.56
6	640452-6	588-430●	1.44	1.14	0.87	0.69
9	640452-9	588-441●	2.15	1.71	1.32	1.02
10	1-640452-0	588-453●	2.40	1.92	1.50	1.08
20	2-640452-0	588-465●	4.80	3.81	2.94	2.25
Polarised Straight						
2	640454-2	588-477‡	0.38	0.28	0.22	0.16
2	640454-2	105-6394●	0.59	0.50	0.44	0.36
3	640454-3	588-489●	0.75	0.56	0.44	0.34
4	640454-4	588-490●	0.97	0.78	0.63	0.44
5	640454-5	588-507●	0.98	0.84	0.74	0.60
6	640454-6	588-519●	1.44	1.14	0.87	0.69
8	640454-8	588-532●	1.57	1.34	1.16	0.96
10	1-640454-0	588-544●	1.96	1.67	1.45	1.20
15	1-640454-5	588-556●	3.62	2.88	2.22	1.65
20	2-640454-0	588-568●	4.80	3.81	2.94	2.25
Friction Lock, Straight						
2	640456-2	588-570●	0.47	0.41	0.28	0.25
3	640456-3	588-581●	0.72	0.56	0.44	0.34
4	640456-4	588-593●	0.97	0.78	0.63	0.44
5	640456-5	588-600●	1.10	0.87	0.72	0.53
6	640456-6	588-611●	1.44	1.14	0.87	0.66
8	640456-8	588-635●	1.93	1.56	1.14	0.90
Right Angled						
2	640453-2	588-647●	0.47	0.41	0.31	0.25
3	640453-3	588-659●	0.75	0.56	0.44	0.34
4	640453-4	588-660●	0.97	0.78	0.63	0.44
5	640453-5	588-672●	1.20	0.93	0.78	0.59
9	640453-9	588-684●	2.15	1.71	1.32	0.99
12	1-640453-2	588-696●	2.90	2.34	1.74	1.35
15	1-640453-5	588-702●	3.62	2.88	2.22	1.65
Friction Lock, Right Angled						
2	640457-2	588-714●	0.53	0.44	0.31	0.28
3	640457-3	588-726●	0.81	0.63	0.47	0.38
4	640457-4	588-738●	1.04	0.84	0.69	0.47
5	640457-5	588-740●	1.31	1.02	0.93	0.87
6	640457-6	588-751●	1.59	1.26	0.93	0.75
7	640457-7	588-763●	1.38	1.17	1.03	0.84
8	640457-8	588-775●	2.12	1.71	1.29	0.99

0.156" Pitch MTA Housings

tyco Electronics AMP



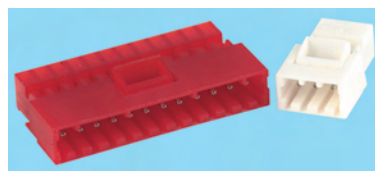
- MTA 156 Housing with lock
- Preloaded contacts on 0.156" (3.96mm) pitch
- Housings colour coded by wire size:
 - 20 AWG (0.5-0.6mm²) = yellow
 - 22 AWG (0.3-0.4mm²) = red
 - 24 AWG (0.2mm²) = natural
- Mates with all available 0.156" (3.96mm) pitch MTA post headers
- Current rating 5A

208825

No. of Ways	Mftrs. List No.	Order Code	5+	25+	50+	100+
20 AWG Housings						
2	3-640427-2	109-8453●	1.27	1.00	0.88	0.71
2	3-640427-2	109-8453●	1.27	1.00	0.88	0.71
4	640427-4	182-4132▲‡	1.26	0.99	0.78	0.75
4	3-640427-4	109-8462●	1.81	1.43	1.24	1.01
6	640427-6	182-4260▲‡	1.83	1.47	1.11	1.10
6	3-640427-6	109-8463●	2.72	2.15	1.86	1.52
10	1-640427-0	182-4004▲‡	3.45	2.72	2.36	1.92
10	4-640427-0	109-8461●	3.45	2.72	2.36	1.92
22 AWG Housings						
2	640428-2	588-787▲‡	0.78	0.66	0.47	0.38
2	3-640428-2	109-8721●	1.14	0.90	0.80	0.64
3	640428-3	588-799▲‡	1.23	0.93	0.72	0.59
3	3-640428-3	109-8722●	2.28	1.80	1.56	1.27
4	640428-4	588-805▲‡	1.59	1.26	0.90	0.75
4	3-640428-4	109-8723●	2.27	1.79	1.55	1.26
5	640428-5	588-817▲‡	2.00	1.59	1.14	0.96
5	3-640428-5	109-8724●	1.41	1.11	0.98	0.79
6	640428-6	588-829▲‡	2.40	1.83	1.44	1.14
6	3-640428-6	109-8726●	2.61	2.01	1.59	1.29
8	640428-8	588-830▲‡	2.52	1.99	1.72	1.40
8	3-640428-8	109-8727●	2.52	1.99	1.72	1.40
9	640428-9	588-842▲‡	3.56	2.88	2.13	1.74
9	3-640428-9	109-8728●	3.33	2.98	2.65	2.38
10	1-640428-0	588-854▲‡	3.99	3.18	2.34	1.92
10	4-640428-0	109-8729●	4.23	3.34	2.89	2.36
12	1-640428-2	588-866▲‡	4.74	3.78	2.82	2.31
12	4-640428-2	109-8730●	3.71	2.93	2.54	2.07
15	1-640428-5	588-878▲‡	5.93	4.74	3.48	2.64
15	4-640428-5	109-8732●	5.55	4.97	4.42	3.96
20	2-640428-0	588-880▲‡	7.86	6.27	4.68	3.81
20	5-640428-0	109-8733●	7.41	6.64	5.90	5.29
24 AWG Housings						
2	640429-2	588-891▲‡	0.78	0.63	0.47	0.38
2	3-640429-2	109-8734●	1.13	0.89	0.79	0.63
3	640429-3	588-908▲‡	1.11	1.00	0.88	0.79
3	3-640429-3	109-8735●	1.11	1.00	0.88	0.79
4	640429-4	588-910▲‡	1.59	1.26	0.90	0.75
4	3-640429-4	109-8736●	2.27	1.79	1.55	1.26
5	640429-5	588-921▲‡	1.97	1.56	1.14	0.96
5	3-640429-5	109-8737●	1.86	1.67	1.48	1.33
6	640429-6	588-933▲‡	2.22	1.99	1.77	1.58
6	3-640429-6	109-8738●	2.22	1.99	1.77	1.58
7	640429-7	588-945▲‡	2.78	2.19	1.62	1.35
7	3-640429-7	109-8739●	2.58	2.31	2.05	1.84
8	640429-8	588-957▲‡	3.15	2.52	1.89	1.56
8	3-640429-8	109-8740●	2.97	2.66	2.37	2.12
10	1-640429-0	588-969▲‡	3.10	2.48	2.14	1.75
10	4-640429-0	109-8742●	3.10	2.48	2.14	1.75
12	1-640429-2	588-970▲‡	4.44	3.98	3.54	3.17
12	4-640429-2	109-8744●	4.44	3.98	3.54	3.17
MTA 156 Dust Covers						
2	640551-2	588-982●	0.47	0.40	0.30	0.27
3	640551-3	588-994●	0.61	0.47	0.33	0.30
4	640551-4	589-007●	0.78	0.60	0.44	0.37
5	640551-5	589-019●	0.84	0.68	0.50	0.40
6	640551-6	589-020●	0.95	0.81	0.54	0.47
7	640551-7	589-032●	1.11	0.88	0.68	0.50
8	640551-8	589-251●	1.19	0.94	0.75	0.57
9	640551-9	589-263●	1.32	1.04	0.78	0.68
10	1-640551-0	589-275●	2.50	1.98	1.43	1.20

0.156" Pitch Posted Connectors

tyco Electronics AMP



- Wire to wire application
- MTA posted connector, 0.156" (3.96mm) pitch
- Housings colour coded by wire size
 - 22 AWG (0.3-0.4mm²) = Red
 - 24AWG(0.2mm²) = Natural
- Mate with 640428-x and 640429-x housings dependant on wire size

230767

No. of Ways	Mftrs. List No.	Order Code	5+	Price Each	50+	500+
22 AWG Posted Connector						
3	641437-3	319-4759▲‡	1.33	1.16	—	—
3	3-641437-3	109-8493●	1.33	1.16	—	—
4	641437-4	319-4760	1.89	1.54	—	1.22
6	641437-6	319-4772	2.21	1.77	—	1.49
9	641437-9	319-4784	3.34	2.66	—	2.15
12	1-641437-2	319-4796▲	4.50	3.60	—	3.07
24 AWG Posted Connector						
3	641438-3	319-4826	1.70	1.38	—	1.16

0.156" Pitch MTA Post Headers

tyco Electronics AMP



Straight 589-317 Friction Lock, Straight 589-056 Friction Lock, Right Angled 589-202

- MTA post header assemblies, pins 0.044" (1.14mm) square on 0.156" (3.96mm) centres
- Current rating 5A

208914

No. of Ways	Mftrs. List No.	Order Code	5+	25+	50+
Straight					
2	640383-2	589-299●	0.30	0.23	0.20
4	640383-4	589-317●	0.94	0.75	0.56
5	640383-5	589-329●	0.74	0.57	0.50
6	640383-6	589-330●	1.44	1.11	0.81
9	640383-9	589-354●	1.33	1.02	0.90
10	1-640383-0	589-366●	1.35	1.03	0.91
12	1-640383-2	589-378●	1.78	1.36	1.21
20	2-640383-0	589-380●	4.56	3.69	2.70
Friction Lock, Straight					
2	640445-2	589-044●	0.47	0.41	0.31
3	640445-3	589-056●	0.75	0.59	0.44
4	640445-4	589-068●	0.97	0.75	0.53
5	640445-5	589-070●	1.26	0.99	0.75
6	640445-6	589-081●	1.47	1.14	0.81
7	640445-7	589-093●	1.72	1.38	1.02
8	640445-8	589-100●	2.00	1.59	1.14
Right Angled					
10	1-640385-0	589-160●	1.52	1.16	1.03
12	1-640385-2	589-172●	2.93	2.34	1.71
Friction Lock, Right Angled					
2	640389-2	589-184●	0.47	0.41	0.31
3	640389-3	589-196●	0.75	0.59	0.44
4	640389-4	589-202●	0.61	0.46	0.41
5	640389-5	589-214●	0.76	0.58	0.52
6	640389-6	589-226●	0.91	0.69	0.62

MTA Tooling

tyco Electronics AMP

Pistol Style Tool

The appropriate modular receptacle head is fitted into the manually actuated handle assembly. It is capable of terminating 600 wires an hour typically.

Maintenance Hand Tools

A Simple T-handle tool is used to insert unstripped wires, one at a time, into the connector slotted beam contacts. Useful for prototypes, maintenance and repair.

208916

	Mftrs. List No.	Order Code	Price Each
Hand Assembly	58074-1.	589-457	186.72
MTA 100 receptacle head	58246-1	589-469	604.84
MTA 156 receptacle head	58247-1	589-470	604.84
Maintenance Hand Tools			
0.1" pitch	59803-1	589-494	87.81
0.156" pitch	59804-1	589-482	87.81

7

Connectors - IDC

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

IDT Connector Systems

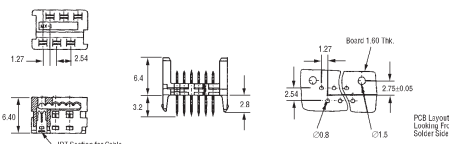
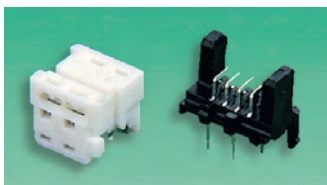
Picoflex PF-50

- Max 1.2A
- Wire to board interconnect system
- Used in single and double-ended, as well as daisy chain application
- 50% less space when mated
- Female connector is a single moulded piece
- Integral strain relief system on female connector
- Polarising end walls on header
- SMT header available



208833

0.05" (1.27mm) Pitch Connectors and Headers



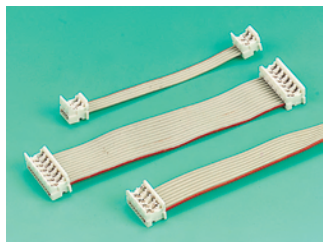
Maximum Voltage 250V ac Housing White, Polyester (female) UL94V-0
 Current Conductor (cable dependant) 1.2A Black, Polyester (male) UL94V-0
 Contact Resistance 10mΩ (max.) Contact Phosphor bronze alloy (female)
 (female) Dielectric withstand voltage 750V rms Brass, (male) Tin
 Cable size 28 or 26 AWG (7 strand) ribbon cable Temperature -25°C to +105°C

Mfrs. List No. Female Connector = 90327-03xx, Male Header = 90325-00xx
 where xx = No. of ways

208829

No. of Ways	Order Code	5+	100+	250+	500+	+	+
Female Connector							
4	90327-0304	673-146	1.50	1.14	0.96	0.69	--
6	90327-0306	673-158	2.07	1.59	1.38	0.98	--
8	90327-0308	673-160	2.25	1.74	1.50	1.06	--
10	90327-0310	673-171	2.50	1.92	1.65	1.20	--
12	90327-0312	865-345	2.31	1.80	1.62	1.17	--
14	90327-0314	673-183	3.21	2.49	2.16	1.53	--
16	90327-0316	673-195	3.65	2.85	2.43	1.71	--
		1+	100+	250+	500+	+	+
18	90327-0318	865-357	3.34	2.61	2.34	1.68	--
20	90327-0320	673-201	3.87	3.09	2.76	1.92	--
26	90327-0326	865-369	4.77	3.75	3.33	2.42	--
		10+	100+	250+	500+	+	+
Male Header							
4	90325-0004	673-213	1.07	0.84	0.72	0.50	--
6	90325-0006	673-225	1.35	1.02	0.90	0.64	--
8	90325-0008	673-237	1.56	1.23	1.05	0.75	--
10	90325-0010	673-249	1.80	1.41	1.20	0.86	--
12	90325-0012	865-370	1.56	1.29	1.14	0.83	--
14	90325-0014	673-250	2.25	1.74	1.50	1.07	--
16	90325-0016	673-262	2.59	2.07	1.83	1.32	--
18	90325-0018	865-382	2.25	1.74	1.56	1.13	--
20	90325-0020	673-274	2.96	2.34	2.10	1.50	--
26	90325-0026	865-394	2.13	1.65	1.50	1.08	--

0.05" (1.27mm) Pitch Pre-Assembled Cables



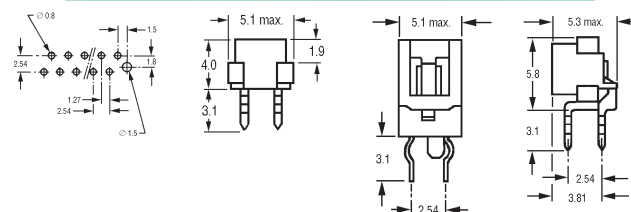
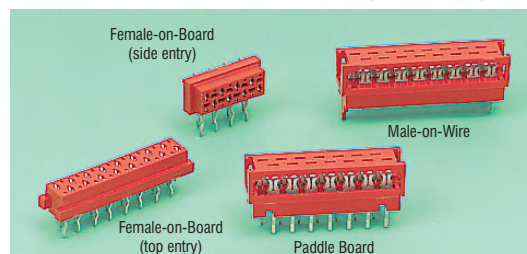
- Female to Female ribbon assembly
- Low volume or trial applications
- No tooling expense

208879

No. of Ways	Mfrs. List No.	Order Code	1+	5+	10+
Female Cable Assembly - 10cm Length					
4	92315-0410	303-2036	1.65	1.41	1.23
6	92315-0610	303-2048	2.25	1.95	1.71
8	92315-0810	303-2050	2.50	2.16	1.89
10	92315-1010	303-2061	2.71	2.37	2.07
12	92315-1210	303-2073	2.90	2.46	2.17
14	92315-1410	303-2085	3.53	3.06	2.70

No. of Ways	Mfrs. List No.	Order Code	1+	5+	10+
Female Cable Assembly - 10cm Length					
16	92315-1610	303-2097	3.99	3.45	3.03
18	92315-1810	303-2103	4.49	3.90	3.39
20	92315-2010	303-2115	4.96	4.29	3.78
26	92315-2610	303-2127	5.83	5.10	4.44
Female Cable Assembly - 15cm Length					
4	92315-0415	303-2139	1.68	1.44	1.26
6	92315-0615	303-2140	2.28	1.98	1.74
8	92315-0815	303-2152	2.46	2.13	1.86
10	92315-1015	303-2164	2.75	2.37	2.07
12	92315-1215	303-2176	3.09	2.70	2.34
14	92315-1415	303-2188	3.56	3.09	2.70
16	92315-1615	303-2190	4.02	3.48	3.03
20	92315-2015	303-2218	4.99	4.32	3.78
26	92315-2615	303-2220	6.08	5.31	4.62
Female Cable Assembly - 25cm Length					
4	92315-0425	303-2231	1.72	1.47	1.29
6	92315-0625	303-2243	2.31	2.01	1.77
8	92315-0825	303-2255	2.50	2.16	1.89
10	92315-1025	303-2267	2.78	2.43	2.13
12	92315-1225	303-2279	3.15	2.76	2.40
14	92315-1425	303-2280	3.59	3.12	2.73
16	92315-1625	303-2292	4.06	3.51	3.06
20	92315-2025	303-2310	5.02	4.35	3.81
26	92315-2625	303-2322	6.40	5.61	4.92

Micro-MaTch



- One of the smallest systems available on 1.27mm
- Board and wire connectors
- Contact spring available in board connector
- Tin plated contact design
- UL Recognised

Nominal voltage 100V
 220V (double contact spacing)
 Current rating 1.5A max.
 Contact resistance 10m Ohm (max.)
 Insulation resistance 1000M Ohm (min.)
 Temperature range -40°C to +105°C

Housing Red Thermoplastic polyester, GF UL94V-0
 Contact Phosphor Bronze, Tin plated

208869/406802

0.05" (1.27mm) Pitch Female-on-Board



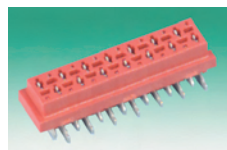
208871/406803

No. of Ways	Mfrs. List No.	Order Code	10+	250+	500+	1K+
Top Entry						
4	7-215079-4	148-507	0.81	0.47	0.41	0.38
6	7-215079-6	148-519	1.10	0.66	0.56	0.53
8	7-215079-8	148-593	1.40	0.78	0.69	0.63
10	8-215079-0	148-600	1.75	0.96	0.87	0.78
12	8-215079-2	148-635	2.03	1.11	0.99	0.93
14	8-215079-4	148-647	2.34	1.32	1.11	1.02

No. of Ways	Mfrs. List No.	Order Code	10+	250+	500+	1K+
Top Entry						
16	8-215079-6	148-659	2.62	1.47	1.32	1.14
18	8-215079-8	148-660	3.03	1.68	1.47	1.35
20	9-215079-0	148-672	3.40	1.89	1.65	1.50
Side Entry						
4	7-215460-4	148-684	1.59	0.90	0.78	0.72
6	7-215460-6	148-696	2.06	1.14	1.02	0.93
8	7-215460-8	148-751	2.53	1.41	1.26	1.11
10	8-215460-0	148-763	3.03	1.68	1.47	1.35
12	8-215460-2	148-799	3.62	2.01	1.77	1.62
Order Multiple = 1			1+	250+	500+	1K+
14	8-215460-4	148-891	4.15	2.31	2.04	1.83
16	8-215460-6	148-908	4.71	2.61	2.31	2.10
18	8-215460-8	148-910	5.37	3.00	2.61	2.40
20	9-215460-0	149-020	5.96	3.33	2.94	2.67

Micro-MaTch

Female-On-Board Connector - SMT



- Female-On-board connector SMT
- 1.27mm pitch
- Polarised
- Top entry

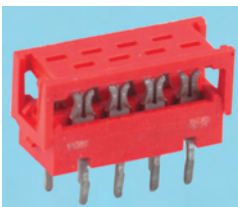
232136/406804

No. of Ways	Mfrs. List No.	Order Code	10+	250+	900+
4	7-188275-4	378-4710	1.01	0.91	0.84
6	7-188275-6	378-4721	1.12	1.06	0.96
6	7-188275-6	105-6234	1.12	1.06	0.96
8	7-188275-8	378-4733	1.59	1.36	1.20
10	8-188275-0	378-4745	1.72	1.49	1.36
12	8-188275-2	378-4757	2.02	1.86	1.70
14	8-188275-4	378-4769	2.33	2.20	1.98
16	8-188275-6	378-4770	2.73	2.54	2.31
18	8-188275-8	378-4782	3.05	2.79	2.54
20	9-188275-0	378-4794	3.37	3.11	2.89

0.05" (1.27mm) Pitch Male-on-Wire

208872/406805

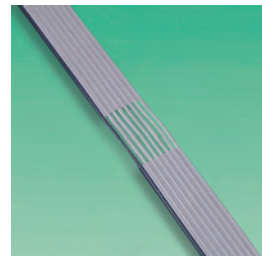
No. of Ways	Mfrs. List No.	Order Code	10+	250+	500+	1K+
4	7-215083-4	149-032	1.23	0.66	0.59	0.56
6	7-215083-6	149-068	1.47	0.81	0.72	0.66
8	7-215083-8	149-070	1.75	0.96	0.87	0.78
10	8-215083-0	149-081	2.09	1.11	0.99	0.93
12	8-215083-2	149-093	2.53	1.41	1.26	1.11
14	8-215083-4	149-135	2.84	1.59	1.41	1.29
16	8-215083-6	149-147	3.15	1.77	1.56	1.41
18	8-215083-8	149-184	3.53	2.01	1.74	1.59
20	9-215083-0	149-251	4.02	2.25	1.98	1.77

0.05" (1.27mm) Pitch Paddle Board

208873/406807

No. of Ways	Mfrs. List No.	Order Code	10+	250+	500+	1K+
4	7-215570-4	149-299	1.26	0.69	0.63	0.56
6	7-215570-6	149-317	1.56	0.87	0.75	0.69
8	7-215570-8	149-366	1.90	0.99	0.93	0.81
10	8-215570-0	149-380	2.18	1.26	1.08	0.99

12	8-215570-2	149-445	2.68	1.50	1.32	1.23
14	8-215570-4	149-597	3.00	1.65	1.47	1.35
16	8-215570-6	149-810	3.34	1.83	1.65	1.47
18	8-215570-8	149-822	3.71	2.10	1.80	1.68
20	9-215570-0	149-834	4.18	2.34	2.07	1.89

0.1" Pitch IDT Notched Ribbon Cable

Single 25mm notch 152.4mm (6") between notching

7307 — 28 AWG 0.5ACable size 0.086mm² stranded (7/36 AWG) Connector **7720S** - Colour code (Brown)

Colour Grey

Mfrs. List No. 888-xx-0016 where xx = number of ways

208855

No. of Ways	Order Code	Price Per 5' Coil	No. of Ways	Order Code	Price Per 30.5m Reel
5	148-008	10.50	3	148-013	100.44
6	148-009	11.41	4	148-014	113.39
8	148-010	11.77	5	148-015	128.57
10	148-011	11.80	6	148-016	143.52
12	148-631	13.78	8	148-017	173.37
			10	148-018	202.81
			12	148-634	228.12

7234 — 26 AWG 1.4ACable size 0.124mm² solid (1/26 AWG) Connector **7720S** - Colour code (Green)

Colour Light Grey

Mfrs. List No. 882-xx-0016 where xx = number of ways

No. of Ways	Order Code	Price Per 5' Coil	No. of Ways	Order Code	Price Per 30.5m Reel
6	147-435	11.31	6	147-140	130.27
8	147-436	9.07	8	147-141	146.77

HE 14 Connector System**2.54mm (0.1") Pin Headers and Sockets**

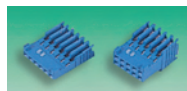
- Board to board interconnection system
- PCB headers shrouded with polarised friction locks, for excellent connector retention



- Sockets used with 2.54mm pitch IDT ribbon cable or discrete wire
- Complies with European standards **HE1402** and **NFC93401**

Current rating 3A @ 20°C Housing Blue Glass filled polyester, UL94V-0
 Contact resistance 30mΩ max. Contacts Phosphor Bronze
 Insulation resistance 1000MΩ Plating Tin
 Proof voltage 500V rms Insertion/withdrawal force 3N max.
 Mating cycles 30 Temperature range -40°C to +105°C

208950

IDT Socket Housings

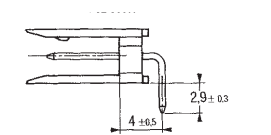
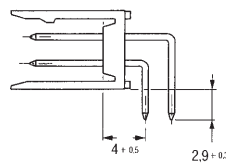
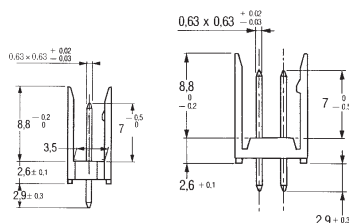
- Polarised sockets, mates with HE14 headers
- Used with discrete wires or IDT ribbon cable
- Quick termination of IDT cables as single or double row assembly

H=17.8, W=5.1 (single row), 7.54 (double row), D=(No. of ways)x2.54
 Suitable cable size 28-26 AWG, 0.08 - 0.12mm2s

219679

No. of Ways	Mfrs. List No.	Order Code	5+	100+	250+
Single Row					
3	281786-3	429-442	1.08	0.96	0.87
4	281786-4	429-454	1.21	1.15	1.08
5	281786-5	429-466	1.68	1.44	1.32
6	281786-6	429-478	2.04	1.71	1.59
8	281786-8	429-480	2.19	2.16	2.01
12	1-281786-2	429-508	3.07	2.92	2.85
Double Row					
3+3	281792-3	429-510	1.44	1.32	1.23
4+4	281792-4	429-521	1.72	1.68	1.56
5+5	281792-5	429-533	2.15	2.10	2.04
6+6	281792-6	429-545	2.69	2.64	2.40
8+8	281792-8	429-557	3.40	3.30	3.03

Compliant
 Non-compliant
 Limited stock - RoHS replacement available
RoHS

Pin Headers
(with Friction Lock)

Length = (no. of ways) x 2.54, Pitch = 2.54,
PCB hole dia. = 1.0 + 0.1 - 0.05

208951

No. of Ways	Mfrs. List No.	Order Code	5+	25+	50+
Straight Single Row					
3	281695-3	120-5983	0.84	0.80	0.77
4	281695-4	120-5984	0.93	0.88	0.85
5	281695-5	120-5986	1.14	1.04	0.98
6	281695-6	120-5987	1.35	1.28	1.24
8	281695-8	120-5988	1.17	1.11	1.07
10	1-281695-0	120-5989	1.98	1.88	1.82
12	1-281695-2	120-5990	3.00	2.85	2.75
90° Single Row					
3	281698-3	120-5991	0.81	0.80	0.77
4	281698-4	120-5992	0.90	0.88	0.85
5	281698-5	120-5993	1.14	1.08	1.05
6	281698-6	120-5994	1.35	1.28	1.24
8	281698-8	120-5995	1.86	1.63	1.56
10	1-281698-0	120-5996	2.07	1.97	1.90
12	1-281698-2	120-5998	2.40	2.28	2.20
Straight Double Row					
3+3	281739-3	120-5999	1.05	1.00	0.96
4+4	281739-4	120-6001	1.44	1.37	1.32
5+5	281739-5	120-6002	1.44	1.37	1.32
6+6	281739-6	120-6003	1.86	1.77	1.71
8+8	281739-8	120-6004	2.49	2.37	2.28
90° Double Row					
3+3	281742-3	120-6005	1.00	1.00	0.96
4+4	281742-4	120-6006	1.44	1.37	1.32
5+5	281742-5	120-6007	1.56	1.48	1.43
6+6	281742-6	120-6008	2.22	2.11	2.04
8+8	281742-8	120-6009	2.28	2.17	2.09

Crimp Terminal Housing



- Polarised sockets for mating with HE14 headers
- A window in the body aids contact removal after assembly

H=15, W=5 (single row), 7.54 (double row), D=(No. of ways)x2.54

208954

No. of Ways	Mfrs. List No.	Order Code	10+	100+	250+
Single Row					
3	281838-3	429-582	0.56	0.47	0.41
4	281838-4	429-594	0.66	0.56	0.53
5	281838-5	429-600	0.75	0.66	0.59
6	281838-6	429-612	0.87	0.75	0.69
8	281838-8	429-624	0.97	0.81	0.75
10	1-281838-0	429-636	1.07	0.93	0.87
12	1-281838-2	429-648	1.26	1.05	0.99
Double Row					
3+3	281839-3	429-650	0.72	0.63	0.56
4+4	281839-4	429-661	0.94	0.81	0.75
5+5	281839-5	429-673	1.04	0.93	0.87
6+6	281839-6	429-685	1.03	0.90	0.81
8+8	281839-8	429-697	1.26	1.05	0.99

Crimp Terminal for HE 14



Wire Size (AWG) 28 - 24 Wire Size (mm²) 0.08 - 0.22 Insulation Diameter (mm) 0.8 - 1.2 Mfrs. List No. 182734-2

208955

Pack Qty.	Order Code	1+	5+	10+	25+
10	429-703	3.31	3.09	2.67	2.43
200	429-715	60.40	48.06	34.32	30.21

Crimp Tool for HE 14 Terminals



- A full cycling ratchet crimp tool with manual release and contact retaining bar
- Suitable for loose piece crimp terminals. Supplied with full instructions

Mfrs. List No. 947679-1

208956

Order Code

429-727

Price Each

1+

441.81

Distribution Systems

Protection Magazine



- Mounts directly onto Krone terminal modules
- Each magazine holds up to ten 14A transient suppressors

Mfrs. List No.
6535/1/010/00=109-298,
6A816H200FNS=453-444.

208824

BT Type	Order Code	1+	25+	100+	250+
5B	121-6374	56.09	50.69	44.07	38.87
21A	453-444	8.42	7.56	6.65	5.98

IDC Hand Tool

(Outlet socket and terminal tooling)



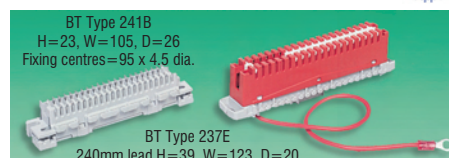
- Plastic bodied with hardened steel jaws
- Terminates and trims wire to correct length in one movement
- Pull out wire extractor housed in the body

Mfrs. List No. 6417/1/810/02

208821

BT Type	Order Code	1+	5+	10+	+
2A	147-894	69.66	67.59	65.04	--

Terminal Modules



The 237A disconnection modules are suitable for mounting in the Krone connection boxes and are colour coded for various applications, e.g. Cream - voice/data, Red - earth, Blue - voice/data/distribution/customer. Each module has two rows of twenty IDC terminals, one for permanent wiring and the other for jumper wires. Centre contacts provide a continuous link between permanent and jumper wiring. Test leads and protection magazines can be inserted across these contacts.

The 237E earth module provides a common earth for up to 20 wires and has a grounding strap for earthing to the chassis.

The 241B connection module is a surface or panel mounting version of the 237A. However, it will not accept a label holder, test leads or protection magazine.

All contacts can accept two wires of equal size with a conductor diameter between 0.4mm and 0.65mm (26 - 22 AWG)

Mfrs. List No.	Order Code	Mfrs. List No.	Order Code
6089/1/810/00	109-288	6196/1/007/11	225-990
6089/2/011/21	109-290	6092/1/810/00	109-292
6089/2/038/02	109-291	6534/1/001/00	109-293

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Colour	Order Code	1+	10+	Price Each 50+	100+	+
10 Pair Module - BT Type 237A						
Cream	120-7124	24.41	21.84	17.84	15.23	--
Blue	120-7125	22.56	21.06	19.53	18.26	--
20 Way Earthing Module - BT Type 237E						
Red	120-7126	23.63	21.62	--	--	--
10 Pair Module - BT Type 241B						
Grey	120-7127	21.16	19.69	17.28	16.24	--
Label Holder - BT Type 51A (10 per pack)						
	109-292	1+	5+	+	+	+
		33.41	31.62	--	--	--

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