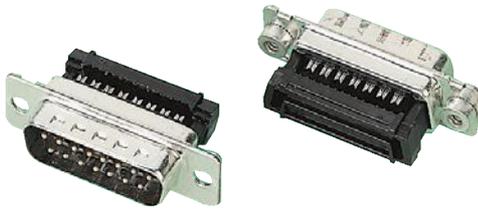


## Latest Products from...

### IDC D Sub Connectors



See page 1528

### IDC Sockets & Headers



Pushing Performance



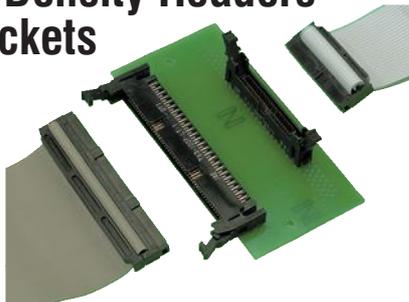
See page 1523

### IDT Micro-MaTch Sockets & Headers



See page 1542

### High Density Headers & Sockets



See page 1517

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IDC

256339

<p><b>Cable Fabrication</b></p>  <p>SEE PAGE 1515</p>	<p><b>IDC Tools</b></p>  <p>SEE PAGE 1534</p>	<p><b>IDC 0.1" Cable Pitch</b></p>  <p>SEE PAGE 1537</p>	<p><b>HE 14 System</b></p>  <p>SEE PAGE 1546</p>
<p><b>High Density 0.8mm</b></p>  <p>SEE PAGE 1517</p>	<p><b>Receptacle Connectors</b></p>  <p>SEE PAGE 1538</p>	<p><b>Discrete IDC D-Sub</b></p>  <p>SEE PAGE 1538</p>	<p><b>Distribution Systems</b></p>  <p>SEE PAGE 1547</p>
<p><b>High Density 1mm</b></p>  <p>SEE PAGE 1517</p>	<p><b>Discrete PCB Mounted IDC</b></p>  <p>SEE PAGE 1538</p>	<p><b>Mass Termination Assemblies</b></p>  <p>SEE PAGE 1539</p>	<p><b>Mini Clamp</b></p>  <p>SEE PAGE 1545</p>
<p><b>Cable Checker</b></p>  <p>SEE PAGE 1518</p>	<p><b>Miniature Delta Ribbon</b></p>  <p>SEE PAGE 1535</p>	<p><b>IDT Systems</b></p>  <p>SEE PAGE 1540</p>	<p><b>1.27mm Micromodule</b></p>  <p>SEE PAGE 1544</p>

## IDC Cable Assembly Service

We offer a service on fabrication of customised cable assemblies covering selected ranges of Insulation Displacement Connectors. Cable assemblies are electronically tested and are available on a 48 hour service by prior arrangement for all orders for R & D and pre-production quantities. Large quantity enquiries are welcomed, but are obviously dependant on batch size in respect to production turnaround. Trade counter orders accepted subject to prior arrangement.

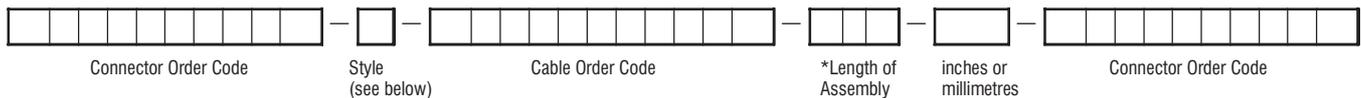


### Advantages - reduced costs:

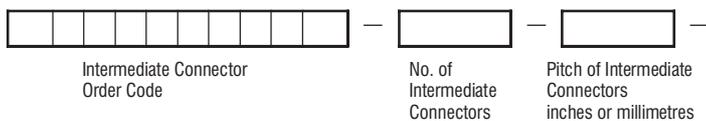
- No tooling
- No connector stock holding
- No cable stock holding
- No cable wastage
- No operator training
- No rejects
- No delays - 48 hour service available by prior arrangement for all orders on R & D/pre-production quantities

**Note: The cable fabrication service is not applicable to Round/Flat cable**

### Ordering procedure



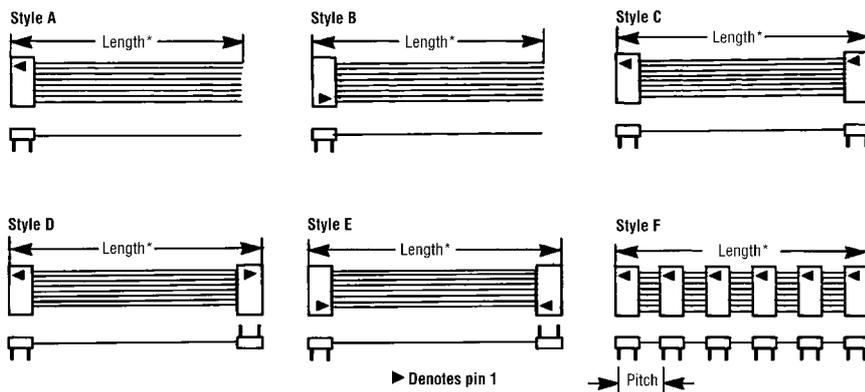
### Additional information, Style F only (insert between inches or millimetres box and last Connector Order Codes box)



**Note:** If intermediate connectors are of unequal pitch please supply drawing.

**\*Note:** Please mark clearly when ordering, whether length of assembly is in inches or millimetres, if connectors require strain relief an additional 25.4mm (1") of cable per termination must be specified when quoting 'Length of Assembly'.

To avoid possible confusion or misinterpretation of fabrication requirements, detailed drawings of a similar nature to those shown below enable us to fabricate assemblies to your exact requirements and also provide a faster turn round on your order.



### Pricing

To place an order or obtain a quote, please contact your local sales office

240710

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**High Density IDC 0.025" Cable Pitch**

**Female Sockets (Bump Polarisation)**



Centre bump polarised female sockets with integral strain relief.

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

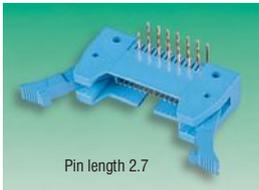
Mfrs. List No. NFSxxA0111, where xx=No. of ways

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

208937

No. of Ways	Order Code	Price Each			
		1+	50+	100+	500+
10	114-5887●	3.02	2.78	2.73	2.57
20	114-5889●	5.31	4.94	4.85	4.55
26	114-5877●	5.50	4.87	4.01	3.21
40	114-5879●	7.89	6.94	5.71	4.57
50	114-5890●	9.16	8.49	8.33	7.86
60	114-5891●	10.92	10.15	9.95	9.37
64	114-5880●	11.95	10.53	8.69	6.90
80	114-5881●	15.05	13.30	10.94	8.75
100	114-5892●	16.79	15.58	15.26	14.37

**90° PCB Mounting Headers (Long Latch/Ejectors)**



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)						
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						

208938

No. of Ways	Order Code	Price Each			
		1+	50+	100+	500+
10	114-3947●	2.43	2.27	2.22	2.09
16	114-3948●	3.34	3.11	3.06	2.87
20	114-3949●	3.88	3.57	3.51	3.32
26	114-5882●	5.54	4.90	4.04	3.23
40	114-5883●	8.10	7.15	5.89	4.71
64	114-5884●	12.41	10.98	9.06	7.24
80	114-5886●	12.25	10.85	8.92	7.17
100	114-3951●	16.36	15.18	14.88	14.03

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

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

208940

Cut Lengths in 30cm	No. of Conductors	Order Code	Price Per 30cm	61.0m Reel Order Code	Price Per Reel
	26	121-8353●	4.37	121-8338●	204.93
	40	121-8354●	6.56	121-8339●	308.24
	64	121-8355●	7.74	121-8340●	489.49
	80	121-8356●	10.40	121-8341●	618.02

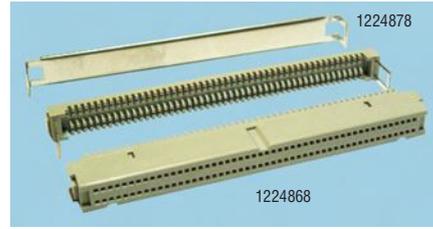
**REACH - SVHCs**



Products containing **Substances of Very High Concern** under REACH can now be easily identified online. Look for this logo to access supporting safety datasheets at [www.farnell.co.uk](http://www.farnell.co.uk)

**Tripolarized Wiremount Socket**

**IDC Socket & Strain Relief**



- Tripolarized mating
- Hill-n-dale design provides a high performance IDC termination
- Insert-moulded copper alloy contacts for superior strength and reliability
- Metal cover latch and cable strain relief for long term reliability (sold separately)
- Contacts: 20 to 100
- RoHS compliant
- UL & CSA recognised

Current rating	0.5A	Contacts material	Copper Alloy
Insulation resistance	10Mohm	Plating	Nickel, Matte Tin U-slot
Withstand voltage	500V rms @ sea level	Wiping area	(30μ") 0.76μm Gold
Temperature range	-55°C to +105°C	Cable size	30AWG
Housing material	Glass Filled Polyester	Cable Pch	0.64mm (0.025")
Flammability	UL94V-0		

440337

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>IDC Socket</b>						
20	82020-6000RB	122-4859●	4.96	4.46	4.31	4.14
26	82026-6000RB	122-4860●	5.06	4.57	4.39	4.23
36	82036-6000RB	122-4861●	5.79	5.21	5.00	4.83
40	82040-6000RB	122-4862●	6.07	5.45	5.25	5.05
50	82050-6000RB	122-4863●	6.54	5.87	5.65	5.44
60	82060-6000RB	122-4865●	5.06	4.57	4.38	4.23
68	82068-6000RB	122-4866●	7.75	6.98	6.73	6.46
80	82080-6000RB	122-4867●	7.44	--	--	--
100	82100-6000RB	122-4868●	8.66	8.43	8.21	8.00
<b>Metal Strain Relief Clip</b>						
20	3858-020	122-4869●	1.53	1.37	1.32	1.27
26	3858-026	122-4870●	2.20	1.97	1.90	1.85
36	3858-036	122-4871●	2.70	2.43	2.35	2.25
40	3858-040	122-4872●	1.62	1.45	1.40	1.35
50	3858-050	122-4873●	2.36	2.11	2.05	1.97
60	3858-060	122-4874●	2.81	2.51	2.42	2.34
68	3858-068	122-4875●	2.93	2.62	2.52	2.43
80	3858-080	122-4877●	3.19	2.88	2.76	2.66
100	3858-100	122-4878●	3.13	2.83	2.71	2.62

**Tripolarized Header**

**Through Hole straight & 90°**



- Tripolarized mating
- Latch and eject for rugged high performance applications (sold separately)
- High temp. plastic
- Four-wall shroud provides contact protection
- Contacts: 20 to 100
- Suitable for 1.57mm PCB thickness
- RoHS compliant
- UL & CSA recognised

Current rating	0.5A	Flammability	UL94V-0
Insulation resistance	10Mohm	Contacts material	Copper Alloy
Withstand voltage	500V rms @ sea level	Under plating	Matte Tin Solder tail
Temperature range	-55°C to +105°C	Wiping area	(30μ") 0.76μm Gold
Housing material	High Temp. Plastic (LCP)		

440365

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>90° Header</b>						
68	81068-500203RB	122-4886●	12.68	11.40	10.97	10.56
100	81100-500203RB	122-4889●	13.50	12.15	11.69	11.25
<b>Straight Header</b>						
20	81020-600203RB	122-4891●	4.91	4.42	4.26	4.10
26	81026-600203RB	122-4892●	5.24	4.71	4.54	4.37
36	81036-600203RB	122-4893●	4.41	3.97	3.81	3.69
40	81040-600203RB	122-4894●	5.65	5.07	4.90	4.71
50	81050-600203RB	122-4895●	6.48	5.83	5.60	5.39
60	81060-600203RB	122-4896●	7.50	6.77	6.50	6.27
68	81068-600203RB	122-4897●	7.11	6.40	6.17	5.93
68	81080-600203RB	122-4898●	7.28	6.55	6.30	6.07
68	81100-600203RB	122-4899●	8.33	7.48	7.21	6.94
<b>Ejector and Latch</b>						
Short Ejector	3505-29B	122-4900●	0.79	0.69	0.67	0.66
Latched Ejector	3505-28B	122-4901●	0.72	0.63	0.61	0.60



**40,000 PRICES REDUCED**



**IDC Sockets and plugs for cable and boardmounting**  
1.27mm



For generic use across applications in many electronics markets the 1.27mm (0.050") cable mount IDC sockets assemble to either 0.635mm (0.025") or 1.27mm (0.050") flat ribbon cable. Mating through-hole plated boardmount plug connectors allow for wire-to-board applications. Also features board-mount sockets and plugs to satisfy board-to-board applications.

- 1.27mm Pitch
- Audible tactile "click" for blind-mating

Current Rating 0.5 A  
Operating Temperature -55° to 85°

**Mating Chart - Board to Board**

Part Number	Mfrs. Part No.	Sockets Part No.	Mfrs. List No.
142-8397	P50-020P-R1-EA	142-8392	P50-020S-R1-EA
142-8398	P50-026P-R1-EA		
142-8399	P50-050P-R1-EA	142-8394	P50-050S-R1-EA
142-8400	P50-080P-R1-EA	142-8395	P50-080S-R1-EA
142-8401	P50-100P-R1-EA	142-8396	P50-100S-R1-EA
142-8402	P50-020P-RR1-EA	142-8392	P50-020S-R1-EA
142-8403	P50-026P-RR1-EA		
142-8404	P50-050P-RR1-EA	142-8394	P50-050S-R1-EA
142-8405	P50-080P-RR1-EA	142-8395	P50-080S-R1-EA
142-8406	P50-100P-RR1-EA	142-8396	P50-100S-R1-EA
142-8369	P50E-050P1-S1-EA	142-8394	P50-050S-R1-EA
142-8370	P50E-068P1-S1-EA	142-8394	P50-050S-R1-EA
142-8371	P50E-100P1-S1-EA	142-8396	P50-100S-R1-EA
142-8372	P50E-050P1-SR1-EA	142-8394	P50-050S-R1-EA
142-8373	P50E-060P1-SR1-EA	142-8394	P50-050S-R1-EA
142-8374	P50E-080P1-SR1-EA	142-8395	P50-080S-R1-EA
142-8375	P50E-100P1-SR1-EA	142-8376	P50-100S-R1-EA

**Cable to Board**

**Boardmount Plugs**

142-8369	P50E-050P1-S1-EA
142-8372	P50E-050P1-SR1-EA
142-8373	P50E-060P1-SR1-EA
142-8374	P50E-080P1-SR1-EA
142-8371	P50E-100P1-S1-EA
142-8375	P50E-100P1-SR1-EA
142-8373	P50E-060P1-SR1-EA
142-8374	P50E-080S-EA
142-8371	P50E-100P1-S1-EA
142-8375	P50E-100P1-SR1-EA

**Tooling**

142-8382	3443-127C
142-8385	3443-128
142-8386	3442-126

**Wiremount Sockets**

142-8376	P25E-050S-EA
142-8376	P25E-050S-EA
142-8374	P50E-080P1-SR1-EA
142-8379	P25E-080S-EA
142-8381	P25E-100S-EA
142-8381	P25E-100S-EA
142-8387	P50E-060S-EA
142-8388	P50E-080S-EA
142-8389	P50E-100S-EA
142-8389	1428389

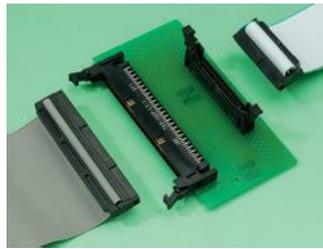
**For use with All P25E and P50E Sockets**

142-8376, 142-8377, 142-8379, 142-8381, 142-8387, 142-8388, 142-8389

490263

No. of Ways	Mfrs. List No.	Order Code	1+	Price Each		
				10+	50+	100+
<b>Boardmount Plugs</b>						
<b>Verticle without retaining clip</b>						
50	P50E-050P1-S1-EA	142-8369●	4.63	4.06	3.60	3.25
68	P50E-068P1-S1-EA	142-8370●	5.58	4.89	4.35	3.90
100	P50E-100P1-S1-EA	142-8371●	7.94	6.94	6.18	5.54
<b>Right Angle without retaining clip</b>						
50	P50E-050P1-SR1-EA	142-8372●	5.72	5.01	4.45	4.00
60	P50E-060P1-SR1-EA	142-8373●	5.92	5.17	4.61	4.13
80	P50E-080P1-SR1-EA	142-8374●	7.15	6.24	5.56	4.99
100	P50E-100P1-SR1-EA	142-8375●	8.45	7.39	6.58	5.92
<b>Verticle with retaining clip</b>						
20	P50-020P-R1-EA	142-8397●	2.99	2.63	2.34	2.09
26	P50-026P-R1-EA	142-8398●	3.48	3.05	2.71	2.43
50	P50-050P-R1-EA	142-8399●	4.83	4.23	3.75	3.38
80	P50-080P-R1-EA	142-8400●	5.32	4.65	4.13	3.72
100	P50-100P-R1-EA	142-8401●	6.83	5.98	5.33	4.79
<b>Right Angle with retaining clip</b>						
20	P50-020P-RR1-EA	142-8402●	3.85	3.38	3.00	2.70
26	P50-026P-RR1-EA	142-8403●	3.71	3.25	2.88	2.59
50	P50-050P-RR1-EA	142-8404●	5.32	4.65	4.13	3.72
80	P50-080P-RR1-EA	142-8405●	6.03	5.28	4.69	4.22
100	P50-100P-RR1-EA	142-8406●	6.22	5.44	4.84	4.35
<b>Boardmount Sockets</b>						
20	P50-020S-R1-EA	142-8392●	3.26	2.87	2.55	2.28
50	P50-050S-R1-EA	142-8394●	4.83	4.23	3.75	3.38
80	P50-080S-R1-EA	142-8395●	4.88	4.27	3.79	3.41
100	P50-100S-R1-EA	142-8396●	6.83	5.98	5.33	4.79
<b>Wiremount Sockets</b>						
0.025" Cable						
50	P25E-050S-EA	142-8376●	11.52	10.08	8.97	8.06
60	P25E-060S-EA	142-8377●	12.71	11.12	9.89	8.89
80	P25E-080S-EA	142-8379●	12.46	10.90	9.68	8.71
100	P25E-100S-EA	142-8381●	14.69	12.85	11.45	10.29
0.05" Cable						
60	P50E-060S-EA	142-8387●	11.85	10.38	9.21	8.31
80	P50E-080S-EA	142-8388●	15.59	13.64	12.13	10.90
100	P50E-100S-EA	142-8389●	16.57	14.49	12.87	11.59
<b>Tooling Locator Plates</b>						
Locator Plate	3443-127C	142-8382	118.80	--	--	--
20 to 100 way	3443-128	142-8385	456.00	--	--	--
Insertion Platen	3442-126	142-8386	108.01	--	--	--

**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  
Operating Voltage 250V AC rms  
Insulation Resistance 100MΩ  
Operating Temperature -40° to 80°

Contact Resistance ≤25mΩ  
Dielectric Voltage 500V AC rms per minute  
PCB Thickness 1.6mm

233431

No. Contacts	Mfrs. List No.	Order Code	Price Each		
			1+	100+	250+
<b>TX2 Socket - 1.27mm cable</b>					
40	TX2-40S-D2P1-1CE	996-4835●	4.29	3.93	3.46
50	TX2-50S-D2P1-1CE	996-4843●	5.01	4.57	4.02
80	TX2-80S-D2P1-1CE	996-4851●	6.03	5.55	5.31
100	TX2-100S-D2P1-1CE	996-4860●	7.06	6.50	6.22
<b>RA Header</b>					
40	TX3-40P-D2LT-LN1E	996-4878●	4.03	3.68	3.24
68	TX3-68P-D2LT-LN1E	996-4894●	4.26	3.92	3.75
80	TX3-80P-D2LT-LN1E	996-4898●	4.29	3.94	3.77
100	TX3-100P-D2LT-LN1E	996-4916●	4.78	4.40	4.21
<b>Straight Header</b>					
40	TX3-40P-D2ST-LN1E	996-4924●	4.03	3.68	3.24
50	TX3-50P-D2ST-LN1E	996-4932●	4.19	3.82	3.37
68	TX3-68P-D2ST-LN1E	996-4940●	4.26	3.92	3.75
80	TX3-80P-D2ST-LN1E	996-4959●	4.51	4.15	3.97
100	TX3-100P-D2ST-LN1E	996-4967●	4.54	4.18	4.00

**High Density Connector System 0.8mm Pitch**



**IDC Harnesses**



0.8mm pitch IDC connector system for wire to board applications

- Low profile top entry type
- 1.75mm High
- Internal Locking Device
- 150mm or 300mm long harnesses
- SMT Headers

13

Current Rating 0.5A AC DC  
Voltage 30V AC DC  
Contacts Phosphor Bronze  
Plating Tin

Housing UL94V-0  
Applicable Wire 32 AWG  
Temperature Range 0.38 mm OD  
-25°C to +85°C

**Harness**

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			5+	25+	50+	100+
<b>Order Multiple=5</b>						
<b>0.8mm Pitch IDC Harness - 150mm Long</b>						
2	02SUR-02SUR-32W150	385-2313●	2.43	2.36	2.29	2.14
4	04SUR-04SUR-32W150	384-9661●	2.97	2.88	2.82	2.63
8	08SUR-08SUR-32W150	384-9673●	4.31	4.19	4.05	3.81
16	16SUR-16SUR-32W150	384-9697●	5.78	5.63	5.44	5.11
<b>0.8mm Pitch IDC Harness - 300mm Long</b>						
4	04SUR-04SUR-32W300	384-9727●	3.72	3.62	3.49	3.29
8	08SUR-08SUR-32W300	384-9739●	5.77	5.59	5.42	5.09

**Header**

231762

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			10+	25+	50+	100+	500+
<b>Order Multiple=10</b>							
<b>SUR 0.8mm Pitch SMT Header</b>							
2	SM02B-SURS-TF(LF)(SN)	949-1953●	0.36	0.35	0.34	0.33	0.31
4	SM04B-SURS-TF(LF)(SN)	949-1961●	0.52	0.51	0.50	0.47	0.42
8	SM08B-SURS-TF(LF)(SN)	949-1970●	0.73	0.72	0.70	0.64	0.59
14	SM14B-SURS-TF(LF)(SN)	949-1988●	0.99	0.97	0.95	0.89	0.83

**High Density Connector System 1.0mm Pitch**



**Latch / Eject Header and Socket**  
Straight and Right Angle Through Hole



- Latch/Eject mechanism maintains a secure connection
- Roll pins retain latches to body in high vibration environments
- Latch design helps resist breakage during eject



## High Density Connector System 1.0mm Pitch - continued

### Latch / Eject Header and Socket - continued

#### Straight and Right Angle Through Hole - continued

Current Rating	1A	Contact Material	Copper Alloy
Insulation Resistance	1 x 10 <sup>9</sup> Ω at 500 V <sub>DC</sub>	Temperature Range	-40 °C to +105 °C
Housing Material	Glass filled polyester/UL 94V-0		

478224

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
<b>Header, Vertical</b>						
10	155210-6302-RB	142-5543	2.94	2.61	2.32	2.14
12	155212-6302-RB	142-5544	2.84	2.52	2.25	2.09
20	155220-6302-RB	142-5545	2.95	2.61	2.34	2.16
26	155226-6302-RB	142-5546	4.03	3.56	3.18	2.95
40	155240-6302-RB	142-5548	5.22	4.61	4.13	3.81
44	155244-6302-RB	142-5549	7.29	6.45	5.77	5.34
50	155250-6302-RB	142-5550	6.08	5.36	4.81	4.44
<b>Header, Right Angle</b>						
10	155210-5302-RB	142-5551	2.02	1.78	1.60	1.48
12	155212-5302-RB	142-5552	2.10	1.85	1.66	1.53
20	155220-5302-RB	142-5553	3.22	2.83	2.55	2.34
26	155226-5302-RB	142-5554	3.56	3.24	3.15	3.07
40	155240-5302-RB	142-5555	4.05	3.58	3.20	2.97
44	155244-5302-RB	142-5556	4.67	4.10	3.68	3.40
50	155250-5302-RB	142-5557	5.00	4.43	3.97	3.65
<b>Socket, with Strain Relief</b>						
10	152210-0113GB	142-5558	3.17	2.80	2.51	2.32
12	152212-0113GB	142-5561	3.63	3.22	2.88	2.65
20	152220-0113GB	142-5562	4.60	4.08	3.65	3.37
26	152226-0113GB	142-5563	4.45	3.92	3.51	3.26
40	152240-0113GB	142-5564	5.03	4.42	3.98	3.67
44	152244-0113GB	142-5565	4.37	3.84	3.45	3.19
50	152250-0113GB	142-5566	4.46	3.95	3.52	3.27

### Round Conductor Flat Cable

1mm Pitch



- 28 AWG stranded conductors on 1mm wire spacing is designed for mass termination to metric connectors
- Stranded wire provides flexibility and extended product life
- Zippable for branching or discrete termination



478242

No. of Conductors	Order Code	Mftrs. List No.	1+	10+	50+	100+
10	142-5567	3625-10 30MTR	26.48	23.40	20.96	19.35
12	142-5568	3625-12 30MTR	30.95	27.36	24.50	22.62
20	142-5569	3625-20 30MTR	52.90	46.75	41.88	38.66
26	142-5570	3625-26 30MTR	65.97	58.30	52.24	48.22
40	142-5571	3625-40 30MTR	99.73	88.14	78.96	72.89
44	142-5573	3625-44 30MTR	114.43	101.12	90.59	83.61
50	142-5574	3625-50 30MTR	125.00	110.46	98.96	91.34

## 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		

Mftrs. List No. FNS13-0960-00BF

208933

	Order Code	1+	50+	100+	500+
'C' body a+b+c loaded	114-3945	9.88	8.91	7.61	6.16

### 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

Mftrs. 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



Cut Lengths in Metres	No. of Conductors	Order Code	Price Per Metre	30.5m Reels Order Code	Price Per Reel
7/0.1mm		121-8357	13.51	121-8342	430.24

208934

## 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

IDC Cable Check	Order Code	1+	Price Each	3+
	154-271	312.49		287.33

### 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 Housing	Glass Filled Polyester (PBT)	Body Flammability	UL94V-0	Body Colour	Grey
<b>Sockets</b>		<b>Class II</b>	<b>Class III</b>		
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			
<b>Boardmount Sockets</b>		<b>Class II</b>	<b>Class III</b>		
Contact Material	Phosphor Bronze (C510)	Phosphor Bronze (C510)			
Under plate	0.76μm Gold over 1.27μm Nickel	0.76μm Gold over 1.27μm Nickel			
Wiping Area	0.76μm Gold over 1.27μm Nickel	0.76μm Gold over 1.27μm Nickel			
Solder tail	Tin lead	Tin lead			
Cycles	100	100			
<b>Headers</b>		Contact area Gold	0.76μm Gold		
Contact Material	Copper Alloy	Copper Alloy	Solder tail	5.08μm 60/40 tin lead	5.08μm 60/40 tin lead
Under plate	100μ Nickel	0.76μm Gold	Cycles	200	200

Electrical specification  
 Current rating (all contacts simultaneously) 1A @ 70°C  
 Insulation resistance >1 10<sup>9</sup>Ω at 500V dc  
 Withstanding voltage 1000V rms at sea level  
 Operating voltage 350V dc or ac peak  
 Contact resistance <20mΩ after conditioning  
 Contacts -55°C to +105°C

PCB	PCB	PCB			
Maximum thickness	1.6mm	Hole diameter	0.89 ±0.08mm	Pin spacing	2.54mm (0.1")

208803

### Female Socket (with & without strain relief)

Class II



Bump/Click polarisation 468-034

Bump/Click polarisation 525-390

BT224 Code T approved.

208802

No. of Ways	Mftrs. List No.	Order Code	Price Each					
			1+	10+	50+	100+	300+	500+
<b>Bump/Click Polarisation (with strain relief)</b>								
10	3473-6610	525-364	2.98	2.75	2.63	2.48	2.05	1.96
14	3385-6614	525-376	3.03	2.79	2.67	2.51	2.09	2.01
16	3452-6616	525-388	3.20	2.94	2.83	2.66	2.34	2.25
20	3421-6620	525-390	3.39	3.12	2.99	2.81	2.34	2.26
34	3414-6634	525-418	5.51	5.09	4.86	4.59	3.96	3.77
36	9436-6636	142-8325	6.38	5.84	5.65	5.32	5.01	4.86
44	9444-6644	142-8326	6.49	6.01	5.79	5.51	5.23	5.07
40	3417-6640	525-420	9.57	8.82	8.43	7.95	5.60	5.36
50	3425-6650	525-431	7.93	7.30	6.98	6.59	5.75	5.50
60	3334-6660	525-443	14.16	12.96	12.53	10.26	8.51	8.21
<b>Bump/Click Polarisation (without strain relief)</b>								
10	3473-6600	468-010	2.11	1.96	1.00	0.97	0.95	0.92
14	3385-6600	473-509	2.19	2.05	1.26	1.05	1.03	1.00
16	3452-6600	468-022	2.32	2.16	1.27	1.23	1.20	1.17
20	3421-6600	468-034	2.44	2.28	1.72	1.33	1.31	1.21
26	3399-6600	468-046	2.86	2.67	2.29	1.77	1.49	1.45
34	3414-6600	468-058	3.97	3.70	2.29	2.17	2.11	2.06
40	3417-6600	468-060	4.62	3.93	2.70	2.44	1.69	1.54
50	3425-6600	468-071	5.81	5.41	3.37	3.05	2.23	2.17
60	3334-6600	473-510	6.05	5.63	4.34	4.22	4.11	4.00
64	7964-6500EC	727-945	7.59	7.15	6.84	6.53	4.88	4.75

**Boardmount Sockets Class II**



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

208877

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	300+
10	8510-4500PL	913-8625	1.94	1.72	1.05	1.02	0.98
16	8516-4500PL	913-8633	2.48	2.19	1.44	1.40	1.36
20	8520-4500PL	913-8641	2.78	2.46	1.51	1.47	1.43
26	8526-4500PL	913-8650	3.29	2.91	1.72	1.67	1.64
34	8534-4500PL	913-8668	3.90	3.63	3.47	3.29	2.74
40	8540-4500PL	913-8676	4.03	3.56	2.46	2.39	2.33
50	8550-4500PL	913-8684	5.21	4.86	2.90	2.74	2.61
60	8560-4500PL	913-8692	6.00	5.30	3.10	3.02	2.99
64	8564-4500PL	913-8706	5.43	4.55	4.11	3.73	3.50

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



Bump/Click polarisation

Separate strain reliefs listed below

224239

No. of Ways	Mftrs. List No.	Order Code	Price Each					
			1+	10+	50+	100+	300+	500+
<b>Bump/Click Polarisation</b>								
10	89110-0101HA	300-3577	1.060	0.980	0.940	0.910	0.870	0.850
14	89114-0101HA	300-3589	1.110	1.060	1.020	0.990	0.950	0.930
16	89116-0101HA	300-3590	1.200	1.140	1.090	1.030	1.000	0.950
20	89120-0101HA	300-3607	1.310	1.230	1.180	1.140	1.100	1.040
24	89124-0101HA	326-2649	1.570	1.540	1.390	1.350	1.260	1.200
26	89126-0101HA	300-3619	1.660	1.540	1.480	1.420	1.370	1.310
30	89130-0101HA	326-2650	1.840	1.730	1.640	1.560	1.490	1.420
34	89134-0101HA	300-3620	1.870	1.740	1.680	1.620	1.570	1.510
40	89140-0101HA	300-3632	1.920	1.790	1.730	1.660	1.620	1.560
50	89150-0101HA	300-3644	2.390	2.200	2.100	1.980	1.890	1.810
60	89160-0101HA	300-3656	2.480	2.290	2.180	2.080	1.960	1.860
<b>Strain Reliefs</b>								
<b>Order Multiple=5</b>			<b>5+</b>	<b>100+</b>	<b>300+</b>			
10	3448-89110	300-3747	0.230	0.200	0.182			
14	3448-89114	300-3759	0.230	0.200	0.182			
16	3448-89116	300-3760	0.230	0.200	0.182			
20	3448-89120	300-3772	0.230	0.200	0.182			
24	3448-89124	326-2625	0.410	0.380	0.350			
26	3448-89126	300-3784	0.220	0.193	0.170			
30	3448-89130	326-2637	0.620	0.480	0.350			
34	3448-89134	300-3796	0.230	0.200	0.182			
40	3448-89140	300-3802	0.220	0.193	0.170			
50	3448-89150	300-3814	0.220	0.193	0.182			
60	3448-89160	300-3826	0.230	0.220	0.193			

**90° Board Mount Sockets Class II**



- Right angle boardmount sockets
- Mates with unlatched headers

208904

No. of Ways	Mftrs. List No.	Order Code	Price Each					
			1+	10+	50+	100+	300+	500+
20	5120-B7A2PL	103-4414	5.53	5.14	4.83	4.62	4.36	4.05
26	5126-B7A2PL	103-4415	6.15	5.70	5.46	5.14	4.94	4.38
34	5134-B7A2PL	103-4416	6.85	6.45	6.17	5.82	5.53	4.98
40	5140-B7A2PL	103-4417	7.52	7.02	6.74	6.40	6.11	5.48
50	5150-B7A2PL	103-4419	9.19	8.09	7.80	7.69	7.35	6.68

13

**Polarized Wiremount Sockets 2.54mm Pitch**



- Military / DIN 41612 compatibility
- Double row, polarised body
- Mates to 3M long latch / eject headers and plugs
- 12 standard sizes, 10-64 positions
- Twin slot IDC provides four points of contact
- Exclusive L/H 4-wipe contact
- Accepts discrete wire or notched ribbon cable

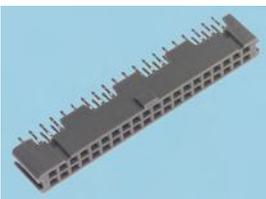


<b>Specifications:-</b>			
Current Rating	2A	Flammability Rating	UL 94V-0
Contact Material	Copper Alloy	Contact Plating	Gold over Nickel
Wire Size	22-24AWG	Insulation Material	PBT
Pitch	2.54mm	Pitch Row	2.54mm
Operating Temp.	-55°C to 105°C	Withstanding Voltage	1000Vrms

527684

No. of Ways	Mftrs. Part No.	Order Code	Price Each			
			1+	10+	25+	50+
16	CHG-2016-J01010-KEP	167-2011	3.21	3.01	2.75	2.54
20	CHG-2020-J01010-KEP	167-2012	3.69	3.46	3.20	2.91
26	CHG-2026-J01010-KEP	167-2013	4.81	4.51	4.16	3.80
34	CHG-2034-J01010-KEP	167-2014	5.24	4.92	4.54	4.14
40	CHG-2040-J01010-KEP	167-2015	5.54	5.20	4.79	4.37
50	CHG-2050-J01010-KEP	167-2016	9.34	8.75	8.08	7.38
<b>Tools for CHG series</b>			1+	5+		
3586-12 PISTOL GRIP			167-2017	94.05	87.74	
3624-42 ASSEMBLY HEAD			167-2018	618.21	549.39	

**Straight Boardmount Sockets 2.54mm x 2.54mm**



- Low profile 9mm socket body height
- Standard centrebump polarisation
- Straight solder tails
- 5 contact counts - 20,26,34,40 and 50 position
- Board retention feature to aid production

482872

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	300+
20	9120-4500PL	142-8320	2.80	2.60	2.50	2.36	2.20
26	9126-4500PL	142-8321	3.30	3.07	2.96	2.70	2.60
34	9134-4500PL	142-8322	3.93	3.65	3.48	3.29	3.07
40	9140-4500PL	142-8323	4.44	4.13	3.97	3.73	3.50
50	9150-4500PL	142-8324	5.22	4.86	4.65	4.39	4.12

**Cable Mounted Header Lugged**



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

Pitch	Current Rating	Voltage Rating	Contact Material	Contact Plating	Operating Temperature
2.54mm	1A	30V AC/DC	Copper Alloy	Selective Gold Plating	-40°C to 105°C



£ € **40,000 PRICES REDUCED**

**Standard Density IDC 0.05" Cable Pitch - continued**

**Cable Mounted Header - continued**

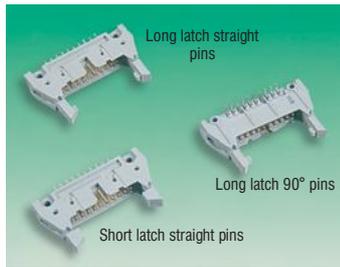
Lugged - continued

No. of Ways	Mfrs. List No.	Order Code	1+	25+	50+	100+	250+
10	4406-10SR	156-5511	1.26	1.06	0.85	0.76	0.63
14	4406-14SR	156-5512	1.31	1.10	0.89	0.80	0.66
16	4406-16SR	156-5513	1.37	1.14	0.92	0.84	0.68
20	4406-20SR	156-5514	1.44	1.20	0.97	0.88	0.72
26	4406-26SR	156-5516	1.44	1.20	0.97	0.88	0.72
30	4406-30SR	156-5517	1.55	1.29	1.03	0.94	0.77
34	4406-34SR	156-5518	1.55	1.29	1.03	0.94	0.77
40	4406-40SR	156-5519	1.60	1.34	1.08	0.98	0.80
50	4406-50SR	156-5520	2.01	1.67	1.34	1.22	1.01
60	4406-60SR	156-5521	2.29	1.91	1.54	1.39	1.14

516227

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

Class II



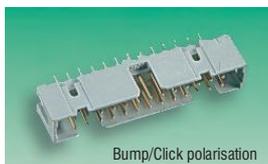
- Long latch headers used with strain relief sockets, short latch with sockets without strain relief
- Bump or click polarisation on 10 way only
- 10 way need one clip, two for the remainder
- High Temperature plastic insulator for vapour phase reflow process
- Glass-filled Polyester (PCT)

208965

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
<b>Long Latch 90° Pins click/bump</b>						
10	N3793-5302RB	983-8023	2.020	1.880	1.800	1.720
14	N3314-5302RB	983-8430	2.140	1.990	1.900	1.810
16	N3408-5302RB	983-8449	2.250	2.090	2.000	1.910
20	N3428-5302RB	983-8031	2.380	2.220	2.120	2.030
26	N3429-5302RB	983-8040	2.660	2.480	2.360	2.260
34	N3431-5302RB	983-8058	3.800	3.530	3.380	3.240
40	N3432-5302RB	983-8066	3.850	3.580	3.420	3.280
50	N3433-5302RB	983-8074	4.010	3.730	3.570	3.420
60	N3372-5302RB	983-8082	4.330	4.020	3.850	3.700
<b>Long Latch Straight Pins click/bump</b>						
10	N3793-6302RB	983-8090	2.020	1.880	1.800	1.720
14	N3314-6302RB	983-8104	2.060	1.910	1.830	1.750
16	N3408-6302RB	983-8112	2.140	1.990	1.900	1.810
20	N3428-6302RB	983-8120	2.400	2.230	2.140	2.050
26	N3429-6302RB	983-8139	2.660	2.480	2.360	2.260
34	N3431-6302RB	983-8147	3.800	3.530	3.380	3.240
40	N3432-6302RB	983-8155	3.840	3.570	3.420	3.290
50	N3433-6302RB	983-8163	4.030	3.750	3.590	3.450
60	N3372-6302RB	983-8171	4.350	4.050	3.880	3.720
64	N3764-6302RB	983-8457	8.760	8.020	7.640	7.490
<b>Short Latch 90° Pins click/bump</b>						
10	N3793-5202RB	983-8520	2.390	2.210	2.110	2.080
14	N3314-5202RB	983-8538	2.590	2.410	2.280	2.240
16	N3408-5202RB	983-8554	2.630	2.430	2.320	2.260
20	N3428-5202RB	983-8562	2.870	2.670	2.550	2.500
34	N3431-5202RB	983-8570	3.440	3.190	3.040	2.980
40	N3432-5202RB	NEW 142-8327	3.800	3.560	3.400	3.290
50	N3433-5202RB	983-8589	4.300	4.000	3.800	3.730
<b>Short Latch Straight Pins</b>						
10	N3793-6202RB	983-8490	2.480	2.270	2.180	2.150
14	N3314-6202RB	983-8180	2.710	2.510	2.400	2.270
16	N3408-6202RB	983-8503	2.720	2.540	2.410	2.360
20	N3428-6202RB	983-8198	2.630	2.430	2.350	2.280
26	N3429-6202RB	983-8201	2.880	2.680	2.560	2.500
34	N3431-6202RB	983-8210	4.450	4.200	3.820	2.960
40	N3432-6202RB	983-8228	4.830	4.500	4.290	3.220
50	N3433-6202RB	983-8236	4.420	4.110	3.930	3.830
64	N3764-6202RB	983-8511	8.340	7.730	7.360	7.210
<b>Ejectors</b>						
3505-31		413-9173	0.176	0.157	0.140	0.134

**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+	300+	500+
<b>90° Pins</b>								
10	N2510-5002RB	983-8350	1.19	1.11	0.75	0.73	0.71	0.70
14	N2514-5002RB	983-8368	1.64	1.53	1.45	1.39	1.34	1.22
16	N2516-5002RB	983-8376	1.66	1.55	0.99	0.97	0.94	0.92
20	N2520-5002RB	983-8384	1.74	1.61	0.94	0.89	0.85	0.81
24	N2524-5002RB	983-8465	1.88	1.73	1.63	1.58	1.53	1.49
26	N2526-5002RB	983-8392	2.14	1.99	1.90	1.81	1.73	1.65
30	N2530-5002RB	983-8473	2.49	2.32	2.21	2.11	2.04	1.86
34	N2534-5002RB	983-8406	2.41	2.24	2.15	2.06	1.98	1.90
40	N2540-5002RB	983-8414	2.49	2.32	2.22	2.11	2.02	1.94
<b>Straight Pins</b>								
10	N2510-6002RB	983-8244	1.19	1.11	0.72	0.70	0.68	0.66
14	N2514-6002RB	983-8252	1.42	1.32	0.85	0.83	0.81	0.79
16	N2516-6002RB	983-8260	1.56	1.45	0.95	0.93	0.90	0.88
20	N2520-6002RB	983-8279	1.58	1.47	0.94	0.89	0.88	0.82
24	N2524-6002RB	983-8481	1.71	1.65	1.61	1.57	1.53	1.49
26	N2526-6002RB	983-8287	2.14	1.99	1.90	1.80	1.73	1.65
30	N2530-6002RB	983-8333	2.49	2.32	2.21	2.11	2.04	1.86
34	N2534-6002RB	983-8295	2.41	2.24	2.17	2.13	2.10	1.18
40	N2540-6002RB	983-8309	2.60	2.42	2.32	2.25	2.12	2.04
50	N2550-6002RB	983-8317	2.93	2.72	1.77	1.68	1.64	1.51
60	N2560-6002RB	983-8325	3.92	3.65	2.72	2.64	2.57	2.51
64	N2564-6002RB	983-8341	3.61	3.32	3.21	3.13	3.05	2.98
<b>Long Snap-in Latches</b>								
		Order Code	1+	5+	10+			
Pack 20 (for 10 headers)		587-576	4.23	3.71	2.99			

**SMT Headers**

2500 Series



- Low profile, space saving design
- Center slot polarisation prevents mis-insertions and reduces insertion time
- High temperature insulator suitable for "paste in hole" reflow soldering techniques
- Exposed solder tails (on R/A version) provide ease of cleaning and reduced re-pair costs

Colour: Black  
 Current Rating: 2A  
 Contact Material: Copper Alloy  
 Insulator Material: Glass Filled Polyester  
 Operating Temperature: -55°C to 105°C

486931

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
10	N2510-6VOC-RB-WD	142-8501	1.47	1.29	1.16	1.08
14	N2514-6VOC-RB-WD	142-8502	1.77	1.56	1.41	1.30
16	N2516-6VOC-RB-WE	142-8503	1.68	1.49	1.33	1.23
20	N2520-6VOC-RB-WE	142-8504	1.74	1.54	1.39	1.27
24	N2524-6VOC-RB-WE	142-8505	2.77	2.44	2.19	2.02
26	N2526-6VOC-RB-WF	142-8506	1.89	1.68	1.50	1.40
30	N2530-6VOC-RB-WF	142-8507	2.57	2.26	2.03	1.87
34	N2534-6VOC-RB-WF	142-8508	2.12	1.87	1.68	1.55
40	N2540-6VOC-RB-WG	142-8509	2.24	1.98	1.78	1.64
50	N2550-6VOC-RB-WG	142-8511	3.10	2.74	2.47	2.26
60	N2560-6VOC-RB-WH	142-8513	2.84	2.51	2.25	2.08
64	N2564-6VOC-RB-WH	142-8514	3.42	3.03	2.71	2.50

**Retainer Clip**



- Low profile header/socket retainer clip

208844

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	300+
<b>For Sockets With Strain Relief's</b>							
10	3505-8110	972-654	0.80	0.72	0.65	0.59	0.55
14	3505-8114	972-666	0.80	0.72	0.65	0.59	0.55
16	3505-8116	972-678	0.80	0.72	0.65	0.59	0.55
20	3505-8120	972-680	0.80	0.72	0.65	0.59	0.55
26	3505-8126	972-691	0.80	0.72	0.65	0.59	0.55
34	3505-8134	972-708	0.80	0.72	0.65	0.59	0.55
50	3505-8150	972-721	0.81	0.72	0.65	0.59	0.54
<b>For Sockets Without Strain Relief's</b>							
10	3505-8010	326-9917	0.63	0.57	0.55	0.54	0.53
14	3505-8014	326-9929	0.63	0.57	0.55	0.54	0.53
16	3505-8016	326-9930	0.63	0.57	0.55	0.54	0.53
20	3505-8020	326-9942	0.63	0.57	0.55	0.54	0.53
26	3505-8026	326-9966	0.63	0.57	0.55	0.54	0.53
34	3505-8034	326-9980	0.63	0.57	0.55	0.54	0.53

Over 480,000 products online



**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).

208961

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Straight Pins - With Mounting Lugs</b>						
10	4610-6050	525-091●	3.200	2.840	2.120	2.070
14	4614-6000	727-556●	4.470	3.310	2.870	2.720
16	4616-6000	727-568●	4.860	3.760	2.370	2.030
20	4620-6000	469-166●	5.480	5.050	2.990	2.920
26	4626-6000	469-178●	6.210	5.000	3.130	3.040
30	4630-6000	727-570●	6.040	5.650	5.130	4.380
34	4634-6000	469-180●	6.800	6.080	3.630	3.530
40	4640-6000	469-191●	7.670	7.060	4.680	4.010
50	4650-6000	469-208●	8.420	7.840	4.420	4.300
60	4660-6000	727-581●	10.230	9.410	5.760	5.620
64	4664-6000	727-593●	8.680	7.930	7.710	7.500
<b>Straight Pins - Without Mounting Lugs</b>						
10	4610-6051	413-9045●	3.700	3.410	2.290	2.250
16	4616-6001	413-9069●	5.570	5.190	2.990	2.920
20	4620-6001	413-9070●	5.830	4.750	2.990	2.920
26	4626-6001	413-9082●	6.440	5.990	3.250	3.160
34	4634-6001	413-9094●	8.060	6.700	5.790	5.490
40	4640-6001	413-9100●	9.470	8.800	4.170	4.090
50	4650-6001	413-9112●	11.810	10.820	4.400	4.310
<b>Strain Relief Clips</b>						
10	3448-4610	327-1353●	0.760	0.730	0.710	0.700
16	3448-4616	327-1377●	0.920	0.680	0.650	0.640
20	3448-4620	327-1389●	1.220	1.090	1.030	0.970
26	3448-4626	413-9150●	0.990	0.940	0.920	0.880
34	3448-4634	327-1419●	1.260	1.120	1.060	1.000
40	3448-4640	327-1420●	1.190	1.170	1.130	1.110
50	3448-4650	327-1432●	0.800	0.780	0.750	0.730
<b>Ejectors</b>						
Short	3505-16	413-9136●	0.146	0.138	0.133	0.130
Long	3505-17	413-9148●	0.155	0.143	0.139	0.135

**Polarisation Clip**



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

208960

20 Per Pack	Mftrs. List No.	Order Code	Price Per Pack		
			1+	10+	50+
	3518	468-423●	2.60	2.12	1.71

**PCB Transition Connectors**

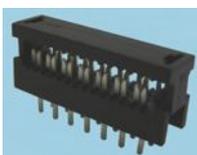


- Used as a termination to hard wire ribbon cable into a PCB
  - Phosphor bronze contact on 2 row, beryllium copper on 4 row
- 4 row pin-out is 2.54mm (0.1") plain grid.  
4 row type pin-out is a staggered grid.

208959

No. of Ways	Mftrs. List No.	Order Code	Price Each					
			1+	10+	50+	100+	300+	500+
<b>2 Row</b>								
10	7810-0000PR	913-8714●	1.12	1.09	1.06	1.03	1.01	0.98
14	7814-0000PR	913-8722●	1.39	1.22	1.15	1.11	1.09	1.05
16	7816-0000PR	913-8730●	1.44	1.22	1.15	1.11	1.09	1.05
20	7820-0000PR	913-8749●	1.64	1.47	1.41	1.40	1.32	1.22
26	7826-0000PR	913-8757●	1.79	1.59	1.51	1.36	1.30	1.21
34	7834-0000PR	913-8765●	1.98	1.85	1.67	1.66	1.58	1.51
40	7840-0000PR	913-8773●	2.14	1.97	1.81	1.80	1.71	1.64
50	7850-0000PR	913-8781●	2.44	1.95	1.90	1.85	1.80	1.75
<b>4 Row</b>								
10	3474-0005PR	918-3990●	1.17	1.14	1.11	1.07	--	--
20	3422-0005PR	918-4015●	3.39	3.15	3.02	2.87	--	--
26	3434-0005PR	918-4023●	2.01	1.88	1.79	1.68	--	--
34	3402-0005PR	918-4031●	1.81	1.70	1.62	1.54	--	--
40	3418-0005PR	918-4040●	3.09	2.88	2.76	2.60	--	--
50	3426-0005PR	918-4058●	5.25	4.88	4.68	4.43	--	--

**PCB Transition Connectors**

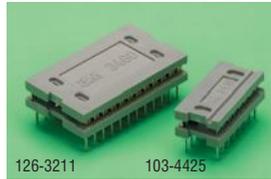


- Used as a termination to hard wire ribbon cable into a PCB

Pitch	Current Rating	Voltage Rating	Contact Material	Contact Plating	Operating Temperature
2.54mm	1A	30V AC/DC	Copper Alloy	Selective Gold Plating	-40°C to 105°C

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	25+	50+	100+	250+
10	4403-10-LP-6	156-5522●	0.220	0.194	0.160	0.149	0.114
14	4403-14-LP-6	156-5523●	0.290	0.240	0.194	0.183	0.149
16	4403-16-LP-6	156-5524●	0.290	0.240	0.194	0.183	0.149
20	4403-20-LP-6	156-5525●	0.350	0.290	0.220	0.220	0.172
26	4403-26-LP-6	156-5526●	0.460	0.390	0.310	0.290	0.220
34	4403-34-LP-6	156-5528●	0.520	0.440	0.350	0.330	0.270
40	4403-40-LP-6	156-5529●	0.630	0.530	0.430	0.390	0.330
50	4403-50-LP-6	156-5530●	0.740	0.630	0.510	0.460	0.380

**DIP Connectors**



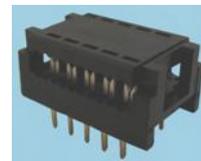
- Designed to mate with standard IC sockets
- Strong legs, less susceptible to bending or breaking
- Tin plating

Current rating 1A  
Insulation resistance > 1 x 10<sup>9</sup>Ω @ 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	Mftrs. List No.	Order Code	Price Each					
			1+	10+	50+	100+	300+	500+
14	3406-0000PR	103-4425●	2.95	2.74	2.64	2.48	2.42	2.30
24	3460-0000PR	126-3211●	4.25	3.93	3.78	3.56	3.26	2.96

**IDC Plugs**



Pitch	Current Rating	Voltage Rating	Contact Material	Contact Plating	Operating Temperature
2.54mm	1A	30V AC/DC	Copper Alloy	Selective Gold Plating	-40°C to 150°C

516292

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	25+	50+	100+	250+
10	4404A-10	156-5531●	0.63	0.53	0.43	0.39	0.33
16	4404A-16	156-5532●	0.68	0.57	0.46	0.43	0.35
20	4404A-20	156-5533●	0.80	0.67	0.54	0.49	0.40

13

**Gold DIP Connectors**



0.100" x 0.300" (2.54 x 7.62mm)



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

208905

No. of Ways	Mftrs. List No.	Order Code	Price Each					
			1+	10+	50+	100+	300+	500+
<b>Dual in line connectors</b>								
16	3416-0000S/EC	103-4421●	1.88	1.75	1.67	1.59	1.53	1.48
<b>Order Multiple=5</b>			5+	10+	50+	100+	300+	500+
<b>Strain Reliefs</b>								
16	3448-8	868-6092●	0.60	0.53	0.51	0.48	0.44	0.43

**'D' Tin and Dimple**



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



**Standard Density IDC 0.05" Cable Pitch - continued**

**'D' Tin and Dimple - continued**

Current rating 2A @ 70°C  
 Contact resistance 20mΩ max.  
 Working voltage 350V ac/dc  
 Temperature range -55°C to +125°C  
 Mating Cycles 200

Housing Steel, tin Plating over copper  
 Insulator Grey Polyester, **UL94V-0**  
 Contacts Formed, Beryllium Copper (30µ") Gold / Nickel Plating

208958

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	300+
<b>Plugs</b>							
9	8209-8009	469-373	10.890	10.220	9.360	7.220	7.080
15	8215-8009	469-385	11.070	9.810	8.950	6.930	6.790
25	8225-8009	469-397	12.680	11.250	10.270	7.940	7.780
37	8237-8009	469-403	18.430	16.360	14.930	11.540	11.310
50	8250-6005	727-507	25.380	23.610	14.230	13.850	13.500
<b>Sockets</b>							
9	8309-8009	469-415	10.660	9.460	8.630	6.660	6.530
15	8315-8009	469-427	12.020	10.680	9.750	7.520	7.380
25	8325-8009	469-439	13.370	11.870	10.850	8.380	8.200
37	8337-8009	469-440	19.950	17.700	16.180	12.500	12.260
50	8350-6005	727-519	26.100	22.590	14.100	13.740	13.380
<b>Order Multiple=5</b>							
<b>Strain Relief Clips</b>			5+	10+	50+	100+	500+
9	3448-8D09A	972-812	0.290	0.270	0.230	0.200	0.193
15	3448-8D15A	972-824	0.470	0.420	0.350	0.330	0.320
25	3448-8D25A	972-836	0.260	0.240	0.230	0.220	0.210
37	3448-8D37A	972-848	0.310	0.270	0.230	0.200	0.193
50	3448-8D50A	972-850	0.850	0.780	0.750	0.720	0.690

**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

No. of Ways	Mftrs. List No.	Order Code	Price Each					
			1+	10+	50+	100+	300+	500+
9	3357-6509-1C	111-6700	3.91	3.48	3.33	2.79	2.55	2.37
15	3357-6515-1C	111-6701	4.07	3.79	3.62	3.22	3.04	2.79
25	3357-6525-1C	111-6703	4.29	3.99	3.82	3.46	3.22	2.97
37	3357-6537-1C	111-6704	5.37	4.99	4.78	4.24	3.99	3.78

**IDC 'D' Type Ribbon Connectors Centronics Style**



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

Bailmount



208899

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	300+
<b>Bailmount - Wiremount Plug</b>							
24	3548-1001	327-3830	7.30	6.80	4.33	4.22	4.11
36	3366-1001	327-3842	7.65	6.98	4.57	4.44	4.34
50	3564-1001	327-3866	8.51	8.03	4.18	4.10	3.91
<b>Bailmount - Wiremount Socket</b>							
24	3549-1000	413-9240	6.91	6.43	4.20	4.09	3.98
<b>Strain Relief Clips</b>			5+	10+	50+	100+	300+
24	3448-61	327-3880	0.72	0.71	0.68	0.67	0.66

**700 products added online every week**



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**Plastic Junction Shells Flat Cable Entry**



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

208900

No. of Ways	Mftrs. List No.	Order Code	Price Each					
			1+	10+	50+	100+	300+	500+
9	3485-2100F	327-3738	3.40	3.18	2.93	2.68	2.56	2.49
15	3485-2200F	327-3740	4.33	3.91	3.66	3.53	3.42	3.32
25	3485-2300F	327-3751	3.64	3.38	2.80	2.78	2.74	2.68
37	3485-2400F	327-3763	3.98	3.79	3.60	3.50	3.45	3.37

**EMI Protecting 'D' Shell**



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

208903

No. of Ways	Mftrs. List No.	Order Code	Price Each						
			1+	10+	50+	100+	300+	500+	
9	3357-9209	327-3672	4.24	3.94	3.27	3.17	3.09	3.01	
15	3357-9215	327-3684	4.91	4.56	3.40	3.32	3.23	3.15	
25	3357-9225	327-3696	5.56	5.17	4.80	4.67	4.55	4.43	
37	3357-9237	327-3702	8.22	7.64	6.24	6.07	5.92	5.76	
50	3357-9250	327-3714	13.15	12.53	11.96	11.64	11.33	11.04	
Latch bracket for 50 Way 3505-62			327-3726	3.30	3.07	2.80	2.77	2.65	2.53

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



- 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  
 Withstand voltage 1kV rms @ sea level  
 Insulation resistance >1 x 1000G Ω @ 500V dc

Temperature range -55°C to +125°C  
 Housing Glass Reinforced Polyester **UL94V-0**  
 Contact material Copper Alloy, Gold Plated

208841

No. of Ways	Style / Loading	Mftrs. List No.	Order Code	Price Each					
				1+	10+	50+	100+	500+	
<b>Sockets - Without Flange</b>									
64	B body a+b	62B64-1000EC	935-9966	6.80	6.33	6.06	5.72	5.55	
64	C body a+c	62C64-1100EC	935-9974	6.68	6.22	5.94	5.61	5.44	
96	C body a+b+c	62C96-1200EC	935-9982	11.11	10.54	10.25	9.98	9.73	
<b>Sockets - With Flange</b>									
64	B body a+b	62B64-1001EC	935-9990	6.80	6.33	6.06	5.72	5.55	
64	C body a+c	62C64-1101EC	936-0000	6.68	6.22	5.94	5.61	5.44	
96	C body a+b+c	62C96-1201EC	936-0018	11.18	10.40	9.94	9.39	9.10	
<b>Plug</b>									
64	C body a+c	3695-0000	972-927	12.20	11.36	10.87	10.26	9.96	
<b>Strain Relief Clips</b>				Price Per Pack Qty = 10					
For non flange types 3448-6201				972-940	1.74	+	+	+	
				Price Each					
For flange types 3395-0000				972-939	1.84	1.74	1.64	1.50	1.39

Over 480,000 products online



Assembly Tooling



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

Mftrs. List No.	Order Code	Price Each
<b>Press Tool</b>		1+
3640	469-531	385.36
<b>Locator Plates - All Female Sockets</b>		
3443-94	310-8533	407.00

208957

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)	1 <sup>9</sup> Ω

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

208939

Female Socket Connectors (with strain relief)

Class II

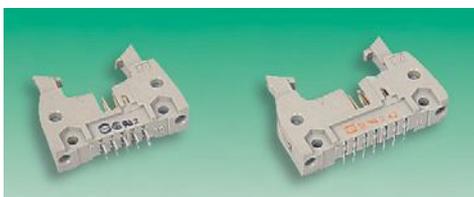


No. of Ways	Mftrs. List No.	Order Code	1+	25+	50+	100+	500+	1K+
<b>Bump/Clip Polarisation</b>								
10	0918 510 6813	110-6726●	1.20	1.10	1.08	1.04	1.01	0.99
14	0918 514 6813	110-6728●	1.89	1.74	1.68	1.59	1.54	1.47
16	0918 516 6813	110-6729●	2.08	1.93	1.80	1.73	1.64	1.55
20	0918 520 6813	110-6730●	2.26	2.11	1.95	1.88	1.78	1.68
26	0918 526 6813	110-6731●	3.15	2.87	2.76	2.64	2.51	2.43
34	0918 534 6813	110-6732●	3.82	3.49	3.35	3.19	3.02	2.75
40	0918 540 6813	110-6733●	4.53	3.84	3.62	3.38	2.28	2.07
50	0918 550 6813	110-6734●	5.13	4.61	4.33	4.17	3.93	3.55

208948

Male PCB Mounting Headers (with latches)

Class II



Vertical PCB mounting 109-6883 Right angle PCB mounting 109-6893  
Mounting holes accept M2.5 bolts or No. 4 self tappers

No. of Ways	Mftrs. List No.	Order Code	1+	25+	50+	100+	500+	1K+
<b>Straight PCB Pins (Bump or Clip Polarisation)</b>								
10	0918 510 6904	109-6883●	1.63	1.55	1.52	1.41	1.35	1.24
14	0918 514 6904	109-6884●	1.84	1.78	1.75	1.62	1.57	1.40
16	0918 516 6904	109-6885●	1.87	1.82	1.80	1.71	1.65	1.45
20	0918 520 6904	109-6887●	2.15	2.06	2.00	1.90	1.82	1.63
26	0918 526 6904	109-6888●	2.41	2.34	2.27	2.16	2.09	1.83
34	0918 534 6904	109-6889●	2.90	2.82	2.75	2.58	2.48	2.22
40	0918 540 6904	109-6890●	3.10	2.97	2.92	2.73	2.63	2.38
50	0918 550 6904	109-6891●	3.57	3.46	3.37	3.19	3.06	2.76
	0918 564 6904	120-7601●	3.71	3.46	3.12	2.78	2.62	
<b>90° PCB Pins (Bump or Clip Polarisation)</b>								
10	0918 510 6903	109-6892●	1.72	1.68	1.61	1.52	1.46	1.29
14	0918 514 6903	109-6893●	1.89	1.85	1.82	1.74	1.67	1.46
16	0918 516 6903	109-6894●	1.60	1.53	1.52	1.46	1.37	1.22
20	0918 520 6903	114-2806●	2.26	2.20	2.12	2.00	1.92	1.74
26	0918 526 6903	109-6895●	2.55	2.42	2.37	2.26	2.18	1.95
34	0918 534 6903	109-6896●	3.14	3.00	2.94	2.76	2.56	2.31
40	0918 540 6903	109-6897●	3.48	3.34	3.26	3.07	2.83	2.57
50	0918 550 6903	109-6899●	3.87	3.76	3.65	3.44	3.09	2.75

Order polarisation keys 10 and 14 way require 1, 16 to 50 way require 2 (1 pair)

FOR MORE INFORMATION & CHOICE

Product Search

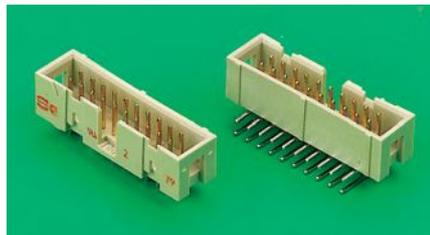
IDC Headers



RoHS Compliant Items Only | Advanced Search

Male PCB Mounting Headers (low profile)

Class II



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

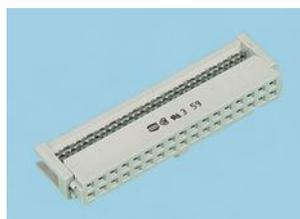
Dimensions	10	14	16	20	26	34	40	50
No. of Ways	10.3	25.4	27.9	33.0	40.6	50.8	58.4	71.3
Length	20.3	25.4	27.9	33.0	40.6	50.8	58.4	71.3

208835

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
<b>Straight PCB Pins</b>							
10	0918 510 6324	110-6832●	2.08	1.81	1.61	1.37	1.23
14	0918 514 6324	110-6833●	2.28	1.99	1.80	1.58	1.48
16	0918 516 6324	110-6834●	2.70	2.37	2.11	1.76	1.60
20	0918 520 6324	110-6835●	3.35	2.96	2.65	2.18	2.00
26	0918 526 6324	110-6836●	3.73	3.26	2.89	2.39	2.22
34	0918 534 6324	110-6837●	3.85	3.39	3.01	2.50	2.28
40	0918 540 6324	110-6838●	4.69	4.16	3.69	3.03	2.79
50	0918 550 6324	110-6839●	5.73	5.05	4.48	3.72	3.40
<b>90° PCB Pins</b>							
10	0918 510 6323	110-6840●	2.08	1.81	1.61	1.37	1.23
14	0918 514 6323	110-6841●	2.43	2.15	1.94	1.58	1.48
16	0918 516 6323	110-6842●	2.70	2.37	2.11	1.76	1.60
20	0918 520 6323	110-6844●	3.35	2.96	2.63	2.18	2.00
26	0918 526 6323	110-6845●	3.18	2.80	2.49	2.05	1.89
34	0918 534 6323	110-6846●	3.73	3.27	2.92	2.43	2.21
40	0918 540 6323	110-6847●	4.69	4.16	3.69	3.03	2.79
50	0918 550 6323	110-6848●	6.49	5.72	5.07	4.22	3.85
64	09185646323	120-0494●	3.41	2.93	2.67	2.30	2.07

Female Sockets (with & without Strain Relief)

Class III



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



**Standard Density IDC 0.05" Cable Pitch - continued**

**Female Sockets (with & without Strain Relief) - continued**

Class III - continued

No. of Ways	Order Code	Price Each					
		1+	25+	50+	250+	500+	1K+
<b>Sockets Without Strain Relief</b>							
6	110-6769●	0.60	0.57	0.56	0.50	0.45	0.37
10	109-7034●	0.84	0.78	0.77	0.67	0.59	0.50
14	109-7035●	0.94	0.89	0.88	0.76	0.69	0.56
16	109-7036●	0.99	0.94	0.92	0.80	0.70	0.59
20	109-7037●	1.12	1.05	1.02	0.90	0.79	0.66
26	109-7038●	1.27	1.20	1.18	1.01	0.90	0.73
34	109-7041●	1.46	1.39	1.32	1.18	1.02	0.86
40	110-6770●	1.54	1.44	1.42	1.23	1.09	0.91
50	109-7042●	1.92	1.81	1.75	1.54	1.39	1.14
60	109-7043●	2.13	2.02	1.98	1.70	1.54	1.29
64	109-7044●	2.40	2.26	2.23	1.96	1.74	1.46
<b>Socket With Strain Relief</b>							
6	109-7021●	0.75	0.71	0.70	0.60	0.53	0.46
10	109-7022●	0.98	0.92	0.90	0.76	0.70	0.59
14	109-7024●	1.13	1.03	1.00	0.90	0.79	0.66
16	109-7025●	1.14	1.05	1.02	0.91	0.81	0.66
20	109-7026●	1.31	1.23	1.20	1.05	0.94	0.75
26	109-7028●	1.36	1.25	1.23	1.08	0.95	0.81
34	109-7029●	1.65	1.57	1.54	1.33	1.21	0.98
40	109-7030●	1.87	1.73	1.71	1.51	1.33	1.11
50	110-6768●	2.05	1.92	1.90	1.66	1.47	1.21
60	109-7032●	2.64	2.43	2.37	2.11	1.86	1.56
64	109-7033●	2.61	2.45	2.36	2.09	1.85	1.55
<b>Locking Latches Pack 10</b>		<b>Price Per Pack</b>					
		1+	5+	10+			
	963-458	6.66	5.90	5.90			

208896

**Male PCB Mounting Headers Class III**

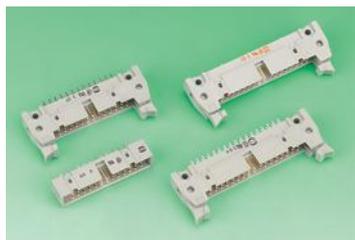


Mfrs' List No.  
90°C Box Headers 0918 5XX 7323  
Where XX denotes number of ways  
Straight Box Headers 0918 5XX 7324

208894

No. of Ways	Order Code	Price Each					
		1+	25+	50+	250+	500+	1K+
<b>Straight PCB Header</b>							
6	109-6984●	0.66	0.61	0.60	0.55	0.47	0.41
10	109-6985●	0.92	0.86	0.84	0.73	0.65	0.56
14	109-6986●	1.03	0.97	0.96	0.84	0.73	0.61
16	109-6987●	1.04	0.97	0.96	0.84	0.73	0.62
20	109-6988●	1.18	1.11	1.05	0.93	0.84	0.70
26	109-6991●	1.37	1.30	1.29	1.11	0.98	0.78
34	109-6992●	1.49	1.42	1.36	1.21	1.09	0.88
40	109-6993●	1.65	1.57	1.54	1.33	1.21	0.98
50	109-6994●	1.77	1.69	1.64	1.43	1.27	1.04
60	110-6742●	2.12	1.97	1.94	1.70	1.50	1.25
64	110-6743●	2.17	2.04	2.00	1.73	1.56	1.30
<b>90°C PCB Header</b>							
6	109-6979●	0.66	0.61	0.60	0.55	0.47	0.41
10	109-6980●	0.85	0.78	0.77	0.68	0.60	0.51
14	110-6735●	1.25	1.09	0.99	0.85	0.80	0.70
16	109-6981●	1.21	1.11	1.07	0.96	0.85	0.72
20	109-6982●	1.31	1.26	1.20	1.04	0.92	0.77
26	109-6983●	1.37	1.30	1.29	1.11	0.98	0.78
34	110-6736●	1.34	1.27	1.23	1.07	0.97	0.80
40	110-6737●	1.49	1.42	1.40	1.20	1.07	0.88
64	110-6741●	1.92	1.81	1.75	1.53	1.37	1.14

**Male PCB Mounting Headers (with Latches) Class III**



- 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	Price Each					
		1+	25+	50+	250+	500+	1K+
<b>Straight PCB Header with Short Latches</b>							
6	110-6758●	0.85	0.78	0.77	0.66	0.59	0.50
10	109-7016●	1.11	1.03	1.00	0.90	0.80	0.64
14	110-6760●	1.14	1.06	1.04	0.93	0.84	0.67
16	110-6761●	1.20	1.12	1.11	0.97	0.86	0.72
20	109-7017●	1.48	1.35	1.33	1.18	1.02	0.86
26	110-6765●	1.45	1.39	1.35	1.17	1.02	0.86
34	109-7018●	1.84	1.74	1.70	1.48	1.31	1.09
40	109-7019●	2.04	1.91	1.88	1.63	1.46	1.22
50	109-7020●	2.46	2.32	2.26	2.00	1.76	1.48
60	110-6766●	2.47	2.31	2.26	1.99	1.75	1.46
64	110-6767●	2.81	2.64	2.59	2.26	2.02	1.68
<b>90°C PCB Header with Short Latches</b>							
6	110-6744●	0.85	0.78	0.77	0.66	0.59	0.50
10	110-6745●	0.96	0.89	0.86	0.77	0.69	0.56
14	110-6746●	0.82	0.77	0.75	0.67	0.61	0.48
16	110-6747●	1.20	1.12	1.11	0.97	0.86	0.72
20	110-6748●	1.21	1.10	1.09	0.95	0.86	0.71
26	110-6749●	1.45	1.39	1.35	1.17	1.02	0.86
34	109-6996●	1.82	1.71	1.65	1.46	1.29	1.07
40	110-6750●	1.83	1.72	1.69	1.46	1.32	1.09
50	110-6751●	2.04	1.93	1.86	1.64	1.45	1.21
64	110-6753●	2.86	2.69	2.65	2.29	2.06	1.71
<b>Straight PCB Header with Long Latches</b>							
6	110-6757●	0.85	0.78	0.77	0.66	0.59	0.50
10	109-7005●	1.00	0.95	0.91	0.82	0.71	0.58
14	109-7006●	1.24	1.17	1.13	1.00	0.89	0.72
16	109-7007●	1.29	1.21	1.20	1.03	0.92	0.76
20	109-7008●	1.42	1.30	1.29	1.12	0.99	0.85
26	109-7009●	1.53	1.45	1.43	1.24	1.09	0.90
34	109-7010●	1.82	1.71	1.65	1.46	1.29	1.07
40	109-7011●	2.05	1.93	1.89	1.65	1.47	1.21
50	109-7012●	2.33	2.20	2.16	1.88	1.67	1.40
60	109-7013●	2.84	2.67	2.64	2.28	2.03	1.69
64	109-7014●	3.01	2.82	2.78	2.40	2.17	1.79
<b>90°C PCB Header with Long Latches</b>							
6	110-6755●	0.87	0.80	0.79	0.67	0.60	0.52
10	109-6997●	1.03	0.97	0.94	0.84	0.74	0.60
14	110-6756●	1.12	1.05	1.02	0.91	0.82	0.66
16	109-6998●	1.29	1.21	1.20	1.03	0.92	0.76
20	109-6999●	1.42	1.30	1.29	1.12	0.99	0.85
26	109-7000●	1.53	1.45	1.43	1.24	1.09	0.90
34	109-7001●	2.05	1.93	1.89	1.65	1.47	1.21
40	109-7002●	2.33	2.20	2.16	1.88	1.67	1.40
50	109-7003●	2.84	2.67	2.64	2.28	2.03	1.69
64	109-7004●	3.01	2.82	2.78	2.40	2.17	1.79

**High Temperature PCB Mounting Headers Class III**



- 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	Price Each					
			1+	25+	50+	100+	500+	1K+
<b>Right Angle (No Latch)</b>								
10	0919 510 7323	110-6782●	0.82	0.77	0.72	0.61	0.58	0.54
26	0919 526 7323	110-6783●	0.97	0.94	0.92	0.78	0.70	0.67
<b>Straight (No Latch)</b>								
10	0919 510 7324	110-6784●	0.82	0.77	0.72	0.61	0.58	0.54
14	0919 514 7324	110-6785●	0.96	0.91	0.89	0.74	0.68	0.62
16	0919 516 7324	110-6786●	1.00	0.95	0.89	0.78	0.73	0.66
20	0919 520 7324	110-6787●	1.07	1.02	0.98	0.85	0.79	0.71

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



- 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 Housing Thermoplastic UL94V-0  
Contact rating 1A Contact material Copper Alloy, Gold plated  
Mating cycles Class II (400) Class III (50)

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	Price Each				
		1+	10+	50+	100+	250+
<b>Class II</b>						
B body a/b	109-6875●	14.90	12.89	10.98	9.04	8.25
B body a/b	109-6867●	14.54	12.57	10.71	8.81	8.05
<b>Class III</b>						

	Order Code	1+	10+	50+	100+	250+
B body a/b	<b>110-6725</b>	10.86	9.36	8.00	6.61	6.01
C body a/b	<b>110-6725</b>	10.86	9.36	8.00	6.61	6.01
C body a/c	<b>109-6868</b>	12.07	10.38	8.86	7.32	6.66

**DIL Plugs**



- Designed to mate with standard IC sockets
- 28 pin version ideally suited to applications within the BBC Micro eg remote EPROM memory extensions



Pushing Performance

This connector has no facility for strain relief.

**Note:** Pin 1 does not connect to line 1 of the ribbon cable.

208931

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
14	0917 014 9622	<b>109-6869</b>	1.88	1.76	1.65	1.58	1.53
16	0917 016 9622	<b>109-6870</b>	2.11	1.96	1.87	1.77	1.71
24	0917 024 9622	<b>110-6723</b>	2.41	2.25	2.17	2.05	1.97
28	0917 028 9622	<b>110-6722</b>	2.67	2.49	2.36	2.24	2.16
40	0917 040 9622	<b>110-6724</b>	3.23	3.00	2.88	2.70	2.60

**Mini PCB Low Profile Transition Headers**



Pushing Performance

- Low cost, high quality IDC PCB 2 row connectors
- 6 - 40 way
- UL recognised
- Solder Pin termination
- 2.54mm pitch on PCB side and 1.27mm on cable side
- Height 5.5mm

Mfrs. List No. 0918-1(xx)-9622  
Where (xx) = No of ways

435117

No. of Ways	Width mm	Order Code	1+	10+	50+	100+	250+
6	12.92	<b>118-8909</b>	1.11	0.96	0.91	0.79	0.72
14	23	<b>118-8911</b>	1.28	1.15	1.02	0.88	0.78
16	25.62	<b>118-8912</b>	1.31	1.18	1.05	0.87	0.79
20	30.74	<b>118-8913</b>	1.50	1.33	1.21	1.01	0.90
26	38.32	<b>118-8915</b>	1.76	1.56	1.37	1.15	1.06
34	48.48	<b>118-8916</b>	1.95	1.73	1.56	1.29	1.21
40	56.10	<b>118-8917</b>	2.19	1.94	1.74	1.44	1.32

**'D' Tin and Dimple Class III**



Pushing Performance

- Metal shell IDC 'D' Connectors ideal for EMI/RFI application
- Optional strain relief clamp
- UL recognised and CSA approved

Contact rating 2A  
Contact resistance <math>\leq 20m\Omega</math>  
Temperature range -55°C to +105°C

208831

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
<b>Plugs</b>							
9	0966 128 7700.	<b>109-7045</b>	6.33	5.58	5.06	4.45	4.07
15	0966 228 7700.	<b>109-7046</b>	7.56	6.66	6.03	5.28	4.86
25	0966 328 7700.	<b>109-7047</b>	9.46	8.32	7.52	6.61	6.04
37	0966 428 7700.	<b>109-7048</b>	11.91	10.55	9.51	8.34	7.65
<b>Socket</b>							
9	0966 118 7500.	<b>109-7049</b>	7.03	6.18	5.61	4.94	4.52
15	0966 218 7500.	<b>109-7050</b>	7.36	6.50	5.85	5.15	4.70
25	0966 318 7500.	<b>109-7051</b>	10.37	9.14	8.28	7.27	6.64
37	0966 418 7500.	<b>109-7053</b>	13.10	11.51	10.40	9.18	8.38
<b>Strain Relief Clamp</b>							
9	0966 108 0000.	<b>109-7054</b>	0.51	0.48	0.46	0.44	0.37
15	0966 208 0000.	<b>110-6811</b>	0.51	0.48	0.46	0.44	0.37
25	0966 308 0000.	<b>109-7055</b>	0.51	0.48	0.46	0.44	0.37
37	0966 408 0000.	<b>110-6812</b>	0.51	0.48	0.46	0.44	0.37

**Quickie II IDC System**



FCI's Quickie II 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	Copper Alloy	Current Rating	1A
Plating	Gold	Insulation	10000Mohmmin
Mechanical Endurance	>250 cycles	PCB	Max thickness 1.6mm; Hols Dia. 1mm; Spacing 2.54mm (0.1") grid

208882

**Female Sockets**



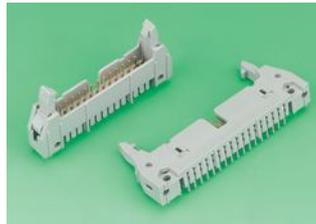
- Class II performance
- With or without strain relief clip
- Pre-loaded top cover
- Long contact wiping action
- Optional bump/clip polarisation



208884

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+
<b>Bump/Click Polarisation (with standard strain relief)</b>						
10	71600-010LF	<b>110-3917</b>	1.12	0.73	0.61	0.51
14	71600-014LF	<b>110-3918</b>	0.68	0.56	0.50	0.48
16	71600-016LF	<b>110-3919</b>	0.88	0.82	0.69	0.63
20	71600-020LF	<b>110-3920</b>	1.20	0.59	0.49	0.41
26	71600-026LF	<b>110-3922</b>	1.19	1.12	0.94	0.85
34	71600-034LF	<b>110-3923</b>	1.45	1.35	1.14	1.03
40	71600-040LF	<b>110-3924</b>	1.66	0.90	0.73	0.65
50	71600-050LF	<b>110-3925</b>	2.21	1.21	1.02	0.87
60	71600-060LF	<b>110-3926</b>	2.97	2.53	2.19	2.04
<b>Bump/Click Polarisation (without strain relief)</b>						
10	71600-110LF	<b>110-3927</b>	0.86	0.54	0.42	0.37
14	71600-114LF	<b>110-3928</b>	0.80	0.68	0.60	0.55
16	71600-116LF	<b>110-3929</b>	0.76	0.71	0.60	0.54
20	71600-120LF	<b>110-3930</b>	0.57	0.49	0.43	0.39
26	71600-126LF	<b>110-3931</b>	1.24	0.60	0.51	0.45
34	71600-134LF	<b>110-3932</b>	1.07	0.93	0.80	0.73
<b>No Polarisation (with standard strain relief)</b>						
10	71600-310LF	<b>110-3961</b>	0.59	0.50	0.45	0.40
16	71600-316LF	<b>110-3962</b>	0.56	0.49	0.40	0.38
26	71600-326LF	<b>110-3963</b>	1.02	0.85	0.76	0.70
34	71600-334LF	<b>110-3964</b>	1.31	1.12	0.96	0.90
40	71600-340LF	<b>110-3965</b>	1.17	0.99	0.86	0.81

**PCB Mounting Superslim Headers**

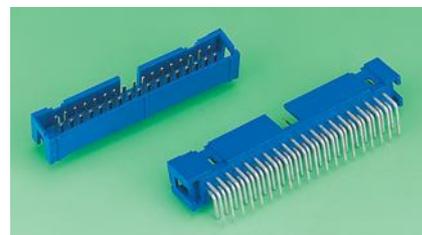


- Class II performance
- Long levers to suit strain relief clips
- 4 wall shielding for pin protection and alignment
- Straight and right angle types available
- Bump/clip polarisation

208883

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+
<b>Straight PCB Header</b>						
10	71918-110LF	<b>110-3937</b>	1.19	0.61	0.50	0.44
14	71918-114LF	<b>110-3938</b>	1.68	1.32	1.21	1.13
16	71918-116LF	<b>110-3939</b>	1.39	0.71	0.58	0.51
20	71918-120LF	<b>110-3940</b>	1.59	1.00	0.94	0.89
26	71918-126LF	<b>110-3941</b>	1.78	1.34	1.29	1.18
34	71918-134LF	<b>110-3942</b>	2.19	1.67	1.61	1.52
40	71918-140LF	<b>110-3943</b>	2.45	1.88	1.79	1.69
<b>Right Angled PCB Header</b>						
10	71922-110LF	<b>110-3946</b>	0.95	0.62	0.52	0.47
16	71922-116LF	<b>110-3947</b>	1.48	1.39	1.17	1.06
26	71922-126LF	<b>110-3948</b>	1.78	1.31	1.21	1.15

**PCB Mounting Superslim Headers**



**Standard Density IDC 0.05" Cable Pitch - continued**

**PCB Mounting Superslim Headers - continued**

- 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+	100+	250+	500+
<b>Straight PCB Header</b>							
10	75869-101LF	<b>110-3949</b>	0.88	0.66	0.55	0.47	0.45
14	75869-102LF	<b>110-3950</b>	0.79	0.66	0.57	0.52	0.50
16	75869-103LF	<b>110-3951</b>	1.18	0.81	0.68	0.60	0.57
20	75869-104LF	<b>110-3952</b>	1.18	0.60	0.49	0.43	0.39
26	75869-105LF	<b>110-3953</b>	1.35	0.80	0.66	0.62	0.60
34	75869-106LF	<b>110-3954</b>	1.60	1.37	1.17	1.11	1.06
40	75869-107LF	<b>110-3955</b>	2.08	1.19	1.03	0.98	0.92
<b>Right Angled PCB Header</b>							
10	75867-101LF	<b>110-3956</b>	0.85	0.50	0.40	0.38	0.37
20	75867-104LF	<b>110-3958</b>	1.04	0.63	0.54	0.52	0.50
26	75867-105LF	<b>110-3959</b>	0.87	0.73	0.63	0.60	0.56
34	75867-106LF	<b>110-3960</b>	1.19	1.04	0.92	0.84	0.81

**IDC 2 Row PCB Transition Connectors**  
2.54mm x 2.54mm Pitch



- Ideal for daisy chain applications
- Single piece design for low applied costs
- Suitable for wave and vapour phase soldering

Current Rating 1A Continuous  
Housing Blue Thermoplastic  
Temperature Range -65°C to +105°C  
Insulation Resistance 50,000MΩ for 1 min  
Contact Resistance 15mΩ max  
Contacts Phosphor Bronze/Tin / Lead over Nickel plated  
Withstand Voltage 1000V min  
Flammability Rating UL94V-0

240057

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
<b>Transition Connector</b>							
10	69830-010LF	<b>109-7949</b>	0.58	0.57	0.56	0.48	0.46
14	69830-014LF	<b>109-7950</b>	0.66	0.60	0.56	0.52	0.51
16	69830-016LF	<b>109-7951</b>	0.66	0.61	0.55	0.51	0.48
20	69830-020LF	<b>109-7952</b>	0.80	0.75	0.70	0.65	0.60
26	69830-026LF	<b>109-7953</b>	1.06	0.97	0.88	0.82	0.78

13

**IDC D Sub Connectors**  
Flat Cable



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

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

240072

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+
<b>Sockets</b>						
9	865709S065TLF	<b>109-7963</b>	2.74	2.65	2.62	2.48
15	865715S065TLF	<b>109-7964</b>	3.68	3.62	3.55	3.37
25	865725S065TLF	<b>109-7965</b>	3.88	3.81	3.72	3.55
37	865737S065TLF	<b>109-7966</b>	7.02	6.88	6.72	6.39
<b>Plugs</b>						
9	865709P065TXLF	<b>109-7967</b>	2.63	2.56	2.50	2.40
15	865715P065TXLF	<b>109-7968</b>	3.63	3.56	3.48	3.31
25	865725P065TXLF	<b>109-7971</b>	3.84	3.74	3.66	3.51
37	865737P065TXLF	<b>109-7972</b>	6.64	6.51	6.40	6.05

**QF50™ Series IDC Connectors**  
2.54mm Pitch



- 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

**QF-50™ 1.27mm (0.050") Flat-Ribbon Cable Receptacles**



208886

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
<b>Bump/Click Polarisation without strain relief</b>							
10	90635-1102	<b>973-3175</b>	0.56	0.51	0.49	0.46	0.45
14	90635-1142	<b>973-3183</b>	0.66	0.60	0.56	0.52	0.51
16	90635-1162	<b>973-3191</b>	1.28	1.18	1.08	1.01	0.99
20	90635-1202	<b>973-3205</b>	0.83	0.77	0.69	0.65	0.63
26	90635-1262	<b>973-3213</b>	1.11	1.04	0.97	0.91	0.86
30	90635-1302	<b>973-3221</b>	1.88	1.67	1.52	1.41	1.30
34	90635-1342	<b>973-3230</b>	1.42	1.29	1.19	1.10	1.07
40	90635-1402	<b>973-3248</b>	1.50	1.36	1.26	1.18	1.13
50	90635-1502	<b>973-3256</b>	1.96	1.78	1.66	1.54	1.50
60	90635-1602	<b>973-3264</b>	2.22	2.05	1.90	1.74	1.70
<b>Strain Reliefs</b>							
10	90170-0010	<b>317-9941</b>	0.29	0.27	0.22	0.21	0.20
14	90170-0014	<b>317-9953</b>	0.31	0.29	0.27	0.24	0.21
20	90170-0020	<b>317-9977</b>	0.34	0.31	0.28	0.27	0.25
26	90170-0026	<b>317-9989</b>	0.39	0.37	0.33	0.32	0.31
50	90170-0050	<b>318-0025</b>	0.34	0.31	0.30	0.28	0.27
60	90170-0060	<b>318-0037</b>	0.34	0.31	0.29	0.28	0.26

**QF-50™ 2.54mm PCB Headers (with Latches)**



208887

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	250+	500+
10	90663-1102	<b>101-2187</b>	0.51	0.46	0.43	0.40	0.39
14	90663-1142	<b>101-2188</b>	1.06	0.98	0.92	0.86	0.84
16	90663-1162	<b>101-2189</b>	1.07	1.00	0.92	0.85	0.83
20	90663-1202	<b>101-2190</b>	1.65	1.52	1.41	1.32	1.26
26	90663-1262	<b>101-2191</b>	1.34	1.22	1.11	1.05	1.02
30	90663-1302	<b>101-2192</b>	1.67	1.53	1.42	1.32	1.26
34	90663-1342	<b>101-2193</b>	1.97	1.79	1.67	1.55	1.52
40	90663-1402	<b>101-2194</b>	2.00	1.82	1.69	1.57	1.53
50	90663-1502	<b>101-2195</b>	2.38	2.17	2.00	1.88	1.81

**QF-50™ Series Cable Assemblies**



- 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

227265

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
<b>Female Cable Assembly - 100mm</b>						
10	92321-1010	<b>101-2202</b>	1.18	1.07	0.99	0.94
16	92321-1610	<b>101-2203</b>	1.56	1.41	1.32	1.20
20	92321-2010	<b>101-2205</b>	1.63	1.50	1.39	1.30
26	92321-2610	<b>101-2206</b>	2.10	1.91	1.77	1.62
40	92321-4010	<b>101-2208</b>	2.40	2.17	2.02	1.86
<b>Female Cable Assembly - 200mm</b>						
10	92321-1020	<b>101-2209</b>	1.20	1.09	1.01	0.93
14	92321-1420	<b>101-2210</b>	1.54	1.40	1.30	1.19
16	92321-1620	<b>101-2211</b>	1.59	1.46	1.35	1.23
20	92321-2020	<b>101-2212</b>	1.70	1.56	1.43	1.34
26	92321-2620	<b>101-2213</b>	2.17	1.97	1.82	1.69
<b>Female Cable Assembly - 300mm</b>						
10	92321-1030	<b>101-2217</b>	1.33	1.20	1.11	1.02
16	92321-1630	<b>101-2218</b>	1.77	1.59	1.47	1.37
40	92321-4030	<b>101-2220</b>	2.56	2.34	2.13	2.00

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Female Cable Assembly - 400mm</b>						
10	92321-1040	101-2221●	1.40	1.26	1.16	1.09
14	92321-1440	101-2222●	1.70	1.56	1.43	1.34
16	92321-1640	101-2223●	1.82	1.63	1.53	1.41
20	92321-2040	101-2224●	1.96	1.78	1.63	1.54
26	92321-2640	101-2225●	2.35	2.13	1.97	1.83

**IDC Sockets and Headers**



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

Housing	Glass filled polyester resin UL94V-0	Contact plating Termination	Gold over Nickel Tin
Contact rating	1A	Insulation resistance	1000MΩ @ 500V dc
Cycles	100Cycles min (class III)	Contact resistance (mated)	30mΩ max
Temperature range	-55°C to +105°C		

208893

**Female Socket - With Strain relief Class III**



208892

No. of Ways	Order Code	Price Each				
		1+	25+	50+	250+	500+
<b>Bump Polarisation</b>						
10	109-9236●	0.270	0.200	0.177	0.149	0.138
14	109-9237●	0.290	0.220	0.192	0.160	0.151
16	109-9238●	0.360	0.290	0.250	0.200	0.191
20	109-9239●	0.390	0.310	0.260	0.220	0.200
26	109-9240●	0.370	0.300	0.250	0.200	0.189
34	109-9241●	0.350	0.310	0.280	0.240	0.200
40	109-9242●	0.530	0.450	0.390	0.340	0.320
50	109-9244●	0.680	0.550	0.490	0.410	0.400

**Male PCB Mounting Box Headers Class III**



208889

No. of Ways	Order Code	Price Each				
		1+	25+	50+	250+	500+
<b>90° Pins</b>						
10	109-9245●	0.330	0.300	0.260	0.230	0.200
14	109-9246●	0.440	0.380	0.370	0.330	0.310
16	109-9247●	0.460	0.390	0.370	0.300	0.270
20	109-9248●	0.490	0.420	0.400	0.350	0.340
26	109-9249●	0.530	0.480	0.430	0.390	0.380
34	109-9250●	0.700	0.630	0.550	0.490	0.480
40	109-9251●	0.880	0.820	0.700	0.630	0.580
50	109-9252●	1.010	0.890	0.800	0.720	0.690
60	109-9253●	0.440	0.390	0.350	0.320	0.310
<b>Straight Pins</b>						
10	109-9254●	0.250	0.200	0.177	0.149	0.138
14	109-9256●	0.320	0.270	0.250	0.188	0.173
16	109-9257●	0.390	0.330	0.270	0.250	0.220
20	109-9258●	0.440	0.370	0.350	0.290	0.270
26	109-9259●	0.510	0.440	0.400	0.350	0.340
34	109-9260●	0.680	0.580	0.510	0.450	0.430
40	109-9261●	0.860	0.720	0.610	0.530	0.520
50	109-9262●	0.970	0.830	0.700	0.640	0.600
60	109-9263●	1.090	0.930	0.800	0.750	0.720
64	109-9264●	1.120	0.970	0.820	0.780	0.750

**Male PCB Mounting Headers with Latches Class III**



- Bump Polarisation
- Long latch for sockets with strain relief

208890

No. of Ways	Order Code	Price Each				
		1+	25+	50+	250+	500+
<b>Long Latch 90° Pins</b>						
10	109-9015●	0.370	0.330	0.320	0.280	0.270
14	109-9016●	0.200	0.176	0.165	0.140	0.128
16	109-9017●	0.480	0.410	0.380	0.340	0.330
20	109-9018●	0.630	0.510	0.470	0.410	0.400
26	109-9019●	0.820	0.700	0.610	0.530	0.510
34	109-9020●	0.920	0.820	0.750	0.680	0.640
40	109-9021●	1.100	0.980	0.900	0.820	0.780
50	109-9022●	1.450	1.300	1.190	1.070	1.020
<b>Long Latch Straight Pins</b>						
10	109-9023●	0.330	0.300	0.260	0.220	0.200
14	109-9025●	0.370	0.340	0.290	0.270	0.250
16	109-9027●	0.400	0.360	0.350	0.300	0.280
20	109-9028●	0.480	0.420	0.400	0.350	0.340
26	109-9029●	0.550	0.490	0.470	0.400	0.390
34	109-9030●	0.820	0.750	0.670	0.570	0.550
40	109-9031●	0.980	0.890	0.810	0.750	0.680
50	109-9032●	1.150	0.990	0.930	0.840	0.790
60	109-9033●	0.640	0.600	0.580	0.520	0.480
64	109-9034●	0.700	0.660	0.630	0.570	0.540
<b>Short Latch 90° Pins</b>						
10	109-9035●	0.370	0.330	0.320	0.280	0.270
<b>Short Latch Straight Pins</b>						
10	109-9037●	0.330	0.300	0.260	0.210	0.200
16	109-9038●	0.400	0.360	0.350	0.290	0.270
20	109-9039●	0.480	0.420	0.400	0.350	0.340
26	109-9040●	0.550	0.490	0.470	0.400	0.390
34	109-9041●	0.820	0.750	0.670	0.570	0.550
40	109-9042●	0.980	0.890	0.810	0.750	0.680

**Economy Metal 'D' Type 0.05" (1.27mm) IDC Connectors**



- A range of economy IDC, 'D' connectors
- Available with or without 4-40 UNC threads
- Metal front shells, shield against EMI
- UL Recognised

- Fully interchangeable with other standard D-Subminiature connectors

Current Rating	1A	<b>Materials</b>	
Dielectric Withstand Voltage	500V ac for 1 minute	Insulator	PBT Glass fibre reinforced UL94V-0
Insulation Resistance	1000Mohm min. @500V dc	Contact - Plug	Brass
Contact Resistance	15mohm max. mated	Contact - Socket	Phosphor Bronze
Operating Temperature	-55°C to 105°C	Contact - Finish	Gold over Nickel
Durability	100 Cycles min.	IDC Terminal	Tin-lead over nickel

368074

No. of Ways	Order Code	Price Each				
		1+	25+	50+	100+	250+
<b>Plugs - Unthreaded</b>						
9	109-9298●	1.710	1.630	1.590	1.490	1.400
15	109-9299●	2.160	2.080	2.000	1.940	1.870
25	109-9300●	2.750	2.690	2.570	2.440	2.340
37	109-9301●	3.340	3.230	3.140	2.980	2.750
<b>Sockets - Unthreaded</b>						
9	109-9302●	1.710	1.630	1.590	1.490	1.400
15	109-9303●	2.160	2.080	2.000	1.940	1.870
25	109-9304●	2.750	2.690	2.570	2.440	2.340
37	109-9305●	5.510	5.360	5.140	4.880	4.530
<b>Plugs - 4-40 UNC Threaded</b>						
9	109-9306●	1.880	1.830	1.730	1.560	1.510
15	109-9307●	2.300	2.250	2.200	2.080	1.980
25	109-9308●	2.930	2.860	2.720	2.590	2.480
37	109-9311●	5.720	5.530	5.310	5.090	4.660
<b>Sockets - 4-40 UNC Threaded</b>						
9	109-9312●	1.880	1.830	1.730	1.560	1.510
15	109-9313●	1.840	1.810	1.770	1.660	1.580
25	109-9314●	2.930	2.860	2.720	2.590	2.480
37	109-9315●	5.720	5.530	5.310	5.090	4.660
<b>Strain Relief</b>						
9	109-9316●	0.300	0.280	0.260	0.250	0.200
15	109-9317●	0.145	0.134	0.122	0.117	0.106
25	109-9318●	0.145	0.134	0.122	0.117	0.106
37	109-9319●	0.300	0.280	0.260	0.250	0.200

£ € **40,000 PRICES REDUCED**

**Standard Density IDC 0.05" Cable Pitch - continued**



**Metal 'D' Tin & Dimple**  
Commercial IDC Connectors



- 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	5000Mohm	Flammability rating	UL94V-0
Contact Resistance	Less than 10mohm	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+	500+
<b>Plugs - Unthreaded</b>						
9	154-805●	3.07	2.89	2.74	2.68	2.42
15	154-817●	3.72	3.53	3.38	3.25	2.95
25	154-829●	4.36	4.13	3.95	3.84	3.47
37	154-830●	6.49	6.14	5.87	5.70	5.13
<b>Sockets - Unthreaded</b>						
9	154-842●	3.07	2.88	2.74	2.68	2.42
15	154-854●	3.72	3.53	3.38	3.25	2.95
25	154-866●	4.36	4.13	3.95	3.84	3.47
37	154-878●	6.49	6.14	5.87	5.70	5.13
<b>Plugs - 4-40 UNC Threaded</b>						
9	154-880●	3.57	3.39	3.21	3.14	2.82
15	154-891●	4.18	3.95	3.77	3.67	3.32
25	154-908●	4.89	4.64	4.42	4.29	3.89
37	154-910●	6.98	6.63	6.32	6.15	5.54
		1+	10+	<b>Price per Pack (5 pieces)</b>		
<b>Strain Relief</b>						
9	129-1756●	2.57	2.36			
15	129-1757●	2.67	2.46			
25	129-1758●	2.89	2.67			
37	129-1759●	3.10	2.89			

**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

208863

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+	1K+
<b>Without Strain Relief</b>							
10	008290010000011	636-034●	1.38	1.32	1.24	0.99	0.84
14	008290014000011	636-046●	1.52	1.48	1.38	1.07	0.91
16	008290016000011	636-058●	1.65	1.60	1.51	1.18	0.98
20	008290020000011	636-060●	1.79	1.68	1.63	1.26	1.06
26	008290026000011	636-071●	1.93	1.84	1.78	1.36	1.14
34	008290034000011	636-083●	2.22	2.12	2.01	1.60	1.30
40	008290040000011	636-095●	2.76	2.63	2.54	1.95	1.64
<b>With Strain Relief</b>							
10	008290010001011	636-113●	1.93	1.88	1.67	1.36	1.14
14	008290014001011	636-125●	2.08	1.97	1.89	1.47	1.22
16	008290016001011	636-137●	2.22	2.10	2.01	1.60	1.30
20	008290020001011	636-149●	2.51	2.36	2.26	1.75	1.45
26	008290026001011	636-150●	2.51	2.35	2.26	1.75	1.45
34	008290034001011	636-162●	2.91	2.82	2.66	2.05	1.73
40	008290040001011	636-174●	3.49	3.25	3.13	2.46	2.00
50	008290050001011	636-186●	3.86	3.63	3.51	2.71	2.28

**Vertical Mounting Male PCB Headers**  
Class II



- Long latches suitable for 8290 series sockets with strain relief
- Moulded in polarising key
- UL recognised and CSA Approved

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

208862

No. of Ways	Mftrs. List No.	Order Code	1+	25+	50+	100+	500+	1K+
<b>Straight PCB Pins (Long Latches)</b>								
10	008289010006113	636-204●	1.16	1.10	1.06	0.81	0.69	0.55
14	008289014006113	636-216●	1.73	1.63	1.57	1.20	1.03	0.81
16	008289016006113	636-228●	1.24	1.21	1.14	0.90	0.75	0.59
20	008289020006113	636-230●	1.47	1.37	1.33	1.04	0.86	0.67
34	008289034006113	636-253●	1.82	1.71	1.67	1.31	1.08	0.87

**Male PCB Mounting Headers (Low Profile)**  
Class II



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

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

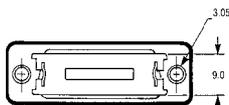
208864

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+	1K+
<b>Straight PCB Pins</b>							
10	008380010000010	636-332●	1.20	1.15	1.11	0.86	0.72
14	008380014000010	636-344●	1.34	1.24	1.20	0.94	0.79
16	008380016000010	636-356●	1.45	1.37	1.31	1.04	0.86
20	008380020000010	636-368●	1.71	1.63	1.53	1.19	1.01
26	008380026000010	636-370●	2.07	1.94	1.87	1.44	1.20
34	008380034000010	636-381●	2.56	2.39	2.30	1.80	1.51
40	008380040000010	636-393●	2.91	2.76	2.66	2.05	1.73
<b>90° PCB Pins</b>							
20	008380020002010	636-411●	1.71	1.63	1.53	1.19	1.01
26	008380026002010	636-423●	1.33	1.22	1.20	0.92	0.77
40	008380040002010	636-447●	1.97	1.86	1.80	1.38	1.16
50	008380050002010	636-459●	3.52	3.36	3.16	2.47	2.07

**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 or steel tin plated
Contact resistance	15mohm	Insulation	Glass Filled Polyester (UL94V-0)
Insulation resistance	1000MΩ min.	Contact material	Beryllium Copper gold over nickel plating
Working voltage	350V dc/ac peak	Wire size	28-26AWG
Temperature range	-55°C to 85°C limited by PVC ribbon cable		
Mating cycles	250		

208927

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
<b>Yellow Chromate</b>							
<b>Plugs</b>							
9	FC9P-LF	111-4138●	4.45	3.78	3.64	3.44	3.36
15	FC15P-LF	111-4139●	7.07	6.78	5.76	5.48	5.34
25	FC25P-LF	111-4140●	7.28	6.53	6.03	5.72	5.57
37	FC37P-LF	111-4142●	7.69	6.73	6.30	5.97	5.83
<b>Sockets</b>							
9	FC9S-LF	111-4143●	5.52	5.03	4.58	4.24	4.10
15	FC15S-LF	111-4144●	7.39	7.07	6.33	5.91	5.72
25	FC25S-LF	111-4145●	5.53	5.09	4.69	4.39	4.28
37	FC37S-LF	111-4146●	8.34	7.59	7.17	6.62	6.46
<b>Tin &amp; Dimple</b>							
<b>Plugs</b>							
9	FC9PTI-LF	111-4147●	4.90	4.54	4.49	3.87	3.58
15	FC15PTI-LF	111-4148●	7.33	6.83	6.64	5.81	5.36
25	FC25PTI-LF	111-4149●	7.49	6.97	6.72	5.93	5.47
37	FC37PTI-LF	111-4150●	7.80	7.73	7.14	6.50	6.05
<b>Sockets</b>							
9	FC9ST-LF	111-4151●	5.01	4.66	4.59	4.25	3.92
15	FC15ST-LF	111-4152●	7.73	7.02	6.75	6.10	5.63
25	FC25ST-LF	111-4154●	5.38	4.92	4.82	4.51	4.16
37	FC37ST-LF	111-4155●	8.24	7.67	7.52	7.02	6.50

**Mini DIP PCB Solder Transition**  
2.54 x 2.54 Pitch



- Two row transition connectors
- UL and CSA Approved

Housing material Glass Filled Polyester, UL94V-0  
Contact material Copper Alloy  
Contact rating 1A

H=10.3, D=7.1 Without Strain Relief  
H=12.0, D=7.1 With Strain Relief

208861

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	1K+
<b>Without Strain Relief</b>							
14	008399014000302	635-856●	2.30	1.97	1.79	1.37	1.14
16	008399016000302	635-868●	2.47	2.14	1.89	1.42	1.21
20	008399020000302	635-870●	1.33	1.14	1.01	0.77	0.65
26	008399026000302	635-881●	1.40	1.22	1.10	0.82	0.68
64	008399064000302	635-923●	2.00	1.72	1.54	1.16	0.97
<b>With Strain Relief</b>							
10	008399010010302	635-935●	1.26	1.17	1.05	0.87	0.73
14	008399014010302	635-947●	1.35	1.28	1.25	1.04	0.90
16	008399016010302	635-959●	1.42	1.38	1.31	1.09	0.95
20	008399020010302	635-960●	1.57	1.52	1.45	1.21	1.04
26	008399026010302	635-972●	1.77	1.69	1.63	1.34	1.15
34	008399034010302	635-984●	1.90	1.84	1.76	1.44	1.25
40	008399040010302	635-996●	1.57	1.44	1.38	1.10	0.94
50	008399050010302	636-009●	2.96	2.69	2.63	2.13	1.94
60	008399060010302	636-010●	3.32	3.01	2.94	2.38	2.22
64	008399064010302	636-022●	3.59	3.25	3.18	2.61	2.38

**Card Edge**  
2.54 Pitch



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
- Polarisng key available separately
- UL recognised and CSA Approved

No. of Ways	Body Length	Fixing Centres	Housing material	Contact material	Contact rating
20	37.06	48.26	Glass Filled Polyester, UL94V-0	Gold over Nickel, Copper Alloy	1A @70°C
26	44.68	52.88			
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+	1K+
<b>Without Mounting Flanges</b>							
20	006338020000040	635-730●	5.740	5.440	5.320	4.280	3.880
26	006338026000040	635-741●	1.530	1.460	1.390	1.130	1.020
34	006338034000040	635-753●	4.300	4.040	3.920	3.180	2.900
40	006338040000040	635-765●	4.600	4.380	4.220	3.420	3.080
50	006338050000040	635-777●	10.760	10.200	9.880	8.040	7.220
<b>With Mounting Flanges</b>							
20	006338020000042	635-789●	4.600	4.360	4.260	3.420	3.120
26	006338026000042	635-790●	3.960	3.800	3.620	2.920	2.640
34	006338034000042	635-807●	8.040	7.520	7.340	5.960	5.420
40	006338040000042	635-819●	3.340	3.190	3.050	2.480	2.220
50	006338050000042	635-820●	10.760	10.100	9.880	8.040	7.220
<b>Order Multiple=10</b>			<b>Price Each</b>				
<b>Polarising Key</b>			<b>10+</b>				
606338440400000	635-832●		0.056				

**32 Way '1/2C' and 64 Way 'C' DIN41612 Sockets**  
Class II and III



Housing material Polyester, UL94V-0  
Contact material Gold over Nickel, Copper Alloy  
Contact rating 1.5A

208865

Class	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
<b>32 Way without Strain Relief</b>							
II	208459048002026	636-460●	5.22	5.10	4.99	4.08	3.39

Class	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
<b>64 Way with Strain Relief</b>							
II	208459096001026	117-6698●	3.23	3.16	3.09	2.53	2.11
III	208459096001002	117-6700●	5.22	5.10	5.00	4.08	3.38

**Standard Density IDC 0.05" Cable Pitch**



- 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, Nickel  
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 20mohmmax @ 5V dc, 0.3A  
Insulation resistance 1000Mohmmin @ 500V dc

208805

**Female Socket (with strain relief)**



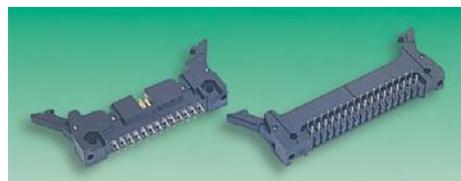
Mfrs. List No. Bump/clip = FCN707B0xxAU0, where xx = No of ways  
Polarisation Key = FCN700A1

No. of Ways	Order Code	1+	25+	100+	250+	500+	1K+
<b>Bump/clip Polarisation</b>							
10*	109-7316●	1.76	1.48	1.35	1.19	1.11	0.95
16	109-7317●	2.01	1.67	1.49	1.37	1.27	1.09
20	109-7318●	2.93	2.44	2.22	1.98	1.85	1.57
26	109-7319●	3.47	2.89	2.63	2.36	2.20	1.89
34	109-7320●	3.20	2.66	2.40	2.17	2.02	1.73
40	109-7321●	3.20	2.68	2.44	2.17	2.04	1.73
50	109-7322●	5.22	4.35	3.98	3.53	3.28	2.82

219848

Order Code	1+	50+	100+
<b>Polarisation Key for insertion into individual sockets (strip of 10)</b>			
109-7369●	0.79	0.71	0.65

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



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	16	20	26	34	40	50
Vertical	90°	109-7332	109-7327	109-7328	109-7329	109-7372	109-7330	109-7331
	90°	109-7338					109-7335	109-7336

Mfrs. List No. Straight = FCN70400xxAUM except 145-025 = FCN704G010-AUM, 90° = FCN705G0xxAUM where xx = No of ways Key = FCN700A2

208808

No. of Ways	Order Code	1+	25+	100+	250+	500+	1K+
<b>Straight PCB Pins (Bump or Clip Polarisation) bump only</b>							
10	109-7332●	1.830	1.450	1.220	0.990	0.900	0.770
16	109-7327●	2.160	1.720	1.440	1.180	1.070	0.830
20	109-7328●	2.940	2.310	1.940	1.580	1.450	1.110
26	109-7329●	2.980	2.340	1.970	1.610	1.500	1.240

**Standard Density IDC 0.05" Cable Pitch - continued**

**Male PCB Mounting Headers (with latches) - continued**

Bump and Clip Polarisation - continued

No. of Ways	Order Code	Price Each					
		1+	25+	100+	250+	500+	1K+
<b>Straight PCB Pins (Bump or Clip Polarisation) bump only</b>							
34	109-7372●	3.470	2.740	2.310	1.880	1.720	1.460
40	109-7330●	3.870	3.030	2.580	2.100	1.910	1.620
50	109-7331●	4.180	3.270	2.750	2.260	2.080	1.740
<b>90° PCB Pins (Bump and Clip Polarisation) bump only</b>							
10	109-7338●	1.830	1.450	1.220	0.990	0.900	0.770
40	109-7335●	4.990	3.900	3.320	2.700	2.460	2.090
50	109-7336●	5.750	4.520	3.780	3.110	2.850	2.400
Order polarisation key separately, 2 off for 16-60 way, 1 off for 10 way Order Multiple=10							
Polarisation Key		Order Code	10+	50+	100+		
		109-7370●	0.067	0.060	0.059		

**Mini-Female Socket (Bump or Clip Polarisation)**



- Low profile, fully shrouded and polarised
- Matable with male headers without latches, mini headers and plug connectors

Clip polarisation 145-055

Mfrs. List No. Bump = FCN747B0xxAU0, Clip = FCN747J0xxAU0 where xx = No of ways  
Polarisation Key = FCN700A1

219650

No. of Ways	Order Code	Price Each					
		1+	25+	100+	250+	500+	1K+
<b>Bump Polarisation</b>							
10	109-7363●	1.22	1.03	0.94	0.85	0.79	0.67
16	109-7364●	2.42	2.03	1.84	1.66	1.54	1.33
20	109-7365●	2.06	1.73	1.55	1.39	1.30	1.13
26	109-7366●	3.20	2.65	2.42	2.17	2.01	1.73
34	109-7367●	3.76	3.14	2.85	2.55	2.39	2.04
<b>Clip Polarisation</b>							
10	109-7339●	1.15	0.97	0.89	0.80	0.75	0.63
26	109-7340●	2.34	1.93	1.77	1.58	1.46	1.27

Polarisation Key	Order Code	Price Each		
		1+	50+	100+
for insertion into individual sockets (strip of 10)	109-7369●	0.79	0.71	0.65

**Mini-Male PCB Mounting Headers (Bump and Clip Polarisation)**



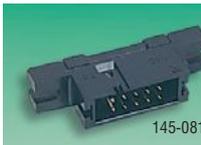
- Fully shrouded
- Accepts bump or clip polarised mini-female sockets
- Integrally moulded latches, prevents accidental extraction

Mfrs. List No. FCN744P0xxAUR where xx=No of ways

208811

No. of Ways	Order Code	Price Each					
		1+	25+	100+	250+	500+	1K+
10	109-7341●	1.58	1.26	1.07	0.85	0.79	0.65
16	109-7342●	2.54	1.98	1.68	1.37	1.26	1.06
20	109-7343●	2.82	2.25	1.89	1.55	1.40	1.19
26	109-7344●	3.52	2.76	2.36	1.92	1.75	1.47
34	109-7368●	4.24	3.32	2.81	2.29	2.11	1.77

**Male with Half Ears (Bump and Clip Polarisation)**



- Fully shrouded, ideal for front or rear panel mounting
- Mates with clip or bump polarised female sockets
- 10 way allows clip polarisation only

Mfrs. List No. FCN707P0xxAU2 where xx=No of ways

219649

No. of Ways	Order Code	Price Each					
		1+	25+	100+	250+	500+	1K+
26	109-7345●	5.16	4.70	4.37	4.24	3.89	3.49
34	109-7346●	4.45	4.06	3.75	3.57	3.36	3.02

Order polarisation separately, Order Code 150-664, 2 Off for 16-50 way, 1 Off for 10 way

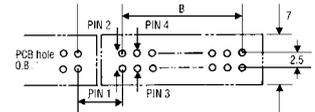
**Mini DIP PCB Transition Gold Plated Terminals**



755-7469

Mfrs. List No. FCN754P0(xx)AU/O (xx) = Number of ways

No. of Ways	Body Length	Length "B"	Order Code
10	19.2	10.16	109-7379
16	26.18	17.78	109-7380
20	31.9	22.86	109-7381
26	39.5	30.48	109-7382
34	49.7	40.64	109-7384

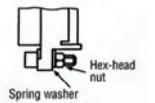
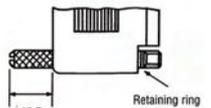
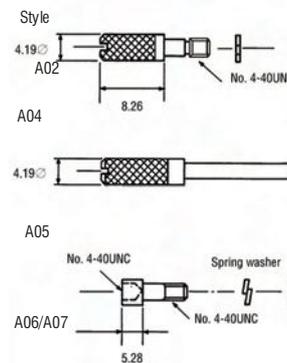


Minimum Connector Spacing

No. of Ways	Order Code	Price Each					
		1+	50+	100+	250+	500+	1K+
10	109-7379●	1.39	1.25	1.07	0.88	0.80	0.69
16	109-7380●	1.84	1.63	1.38	1.16	1.07	0.91
20	109-7381●	2.11	1.90	1.59	1.34	1.25	1.06
26	109-7382●	2.61	2.29	1.97	1.65	1.51	1.30
34	109-7384●	3.00	2.65	2.27	1.91	1.75	1.50

347396

**'D' Fixing Accessories**



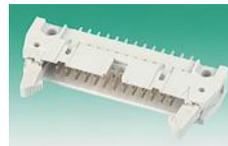
Accessories  
D Fixing Accessory - Jack screw, for connector without cover  
D Fixing Accessory - Jack screw, for connector with cover  
D Fixing Accessory - Jack female, for free connector

Mfrs. List No. Order Code  
FCN770-A02 109-7357  
FCN770-A04 109-7358  
FCN770-A05 109-7359

208850

Style	Order Code	Price Each					
		1+	25+	100+	250+	500+	1K+
A02	109-7357●	0.49	0.48	0.47	0.46	0.45	0.45
A04	109-7358●	0.49	0.48	0.47	0.46	0.45	0.45
A05	109-7359●	0.50	--	--	--	--	--

**Latch PCB Mounting Headers with Lever**



- Latch PCB mounting headers in accordance with DIN1651
- Polarization ribs
- 2.54 x 2.54 mm grid
- Fluxproof
- Requirement level 1 (500 insertion cycles)
- Approvals: CSA, UL Recognised

Contacts: CuSn, 0.8 μm gold  
Housing: Polyester, UL94V-0  
Insulation resistance: 10<sup>9</sup>Ω  
Volume resistance: ≤30 mΩ  
Test voltage: 1 kV  
Temperature range: -55°C to +125°C



239294

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Straight with short lever</b>						
10	1-828588-0	118-7830●	0.70	0.59	0.56	0.54
14	1-828588-4	118-7832●	0.83	0.69	0.63	0.60
16	1-828588-6	118-7833●	0.85	0.70	0.65	0.62
20	2-828588-0	118-7834●	0.92	0.75	0.68	0.65
26	2-828588-6	118-7835●	0.99	0.81	0.72	0.70
34	3-828588-4	118-7836●	1.17	0.98	0.91	0.85
40	4-828588-0	118-7837●	1.27	1.03	0.97	0.92
<b>90° with short lever</b>						
10	1-828584-0	118-7838●	0.76	0.62	0.58	0.56
14	1-828584-4	118-7839●	0.91	0.72	0.67	0.63
16	1-828584-6	118-7840●	0.98	0.81	0.72	0.70
20	2-828584-0	118-7841●	1.02	0.85	0.79	0.72
26	2-828584-6	118-7842●	1.12	0.95	0.87	0.82
40	4-828584-0	118-7845●	1.42	1.18	1.08	1.03

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Straight with long lever</b>						
10	1-828590-0	118-7846	0.80	0.67	0.60	0.58
14	1-828590-4	118-7847	0.92	0.75	0.68	0.65
16	1-828590-6	118-7848	0.98	0.80	0.71	0.69
20	2-828590-0	118-7849	1.07	0.91	0.82	0.79
26	2-828590-6	118-7850	1.17	0.98	0.91	0.85
40	4-828590-0	118-7851	1.47	1.22	1.10	1.06
50	5-828590-0	118-7852	1.57	1.30	1.19	1.11
<b>90° with long lever</b>						
14	1-828586-4	118-7853	0.89	0.72	0.67	0.63
16	1-828586-6	118-7854	0.93	0.76	0.69	0.66
20	2-828586-0	118-7856	0.98	0.81	0.72	0.70
26	2-828586-6	118-7857	1.03	0.87	0.80	0.75
34	3-828586-4	118-7858	1.26	1.03	0.97	0.92
40	4-828586-0	118-7859	1.37	1.12	1.05	1.00
50	5-828586-0	118-7860	1.54	1.29	1.18	1.10

**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: 10<sup>9</sup>Ω

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

239303

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Straight PCB Pins</b>						
10	0-281271-1	381-6254	0.67	0.46	0.44	0.42
14	0-281272-1	381-6266	0.90	0.59	0.56	0.54
16	0-281273-1	381-6278	0.93	0.62	0.59	0.56
20	0-281274-1	381-6280	0.77	0.54	0.51	0.48
26	0-281275-1	381-6291	1.31	0.93	0.87	0.81
34	0-281276-1	381-6308	1.63	1.14	1.03	0.99

**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 mm<sup>2</sup>) Single conductor, 32AWG (0.03 mm<sup>2</sup>) 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: 10<sup>9</sup>Ω  
 Volume resistance: ≤30 mΩ  
 Test voltage: 1 kV  
 Temperature range: -55°C to +105°C

239314

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Strain relief</b>						
10	1-100103-0	381-5614	0.126	0.114	0.101	0.089
14	1-100103-4	381-5626	0.126	0.114	0.101	0.089
16	1-100103-6	381-5638	0.126	0.114	0.101	0.089
20	2-100103-0	381-5640	0.126	0.114	0.101	0.089
26	2-100103-6	381-5651	0.146	0.133	0.120	0.107
34	3-100103-4	381-5663	0.146	0.133	0.120	0.107
40	4-100103-0	381-5675	0.160	0.146	0.131	0.116
50	5-100103-0	381-5687	0.146	0.133	0.120	0.107
			1+	10+	50+	100+
<b>Socket, class 3</b>						
10	1-215911-0	381-5699	0.560	0.470	0.440	0.420
14	1-215911-4	381-5705	0.650	0.540	0.500	0.480
16	1-215911-6	381-5717	0.710	0.570	0.550	0.520
20	2-215911-0	381-5729	0.800	0.650	0.600	0.570
26	2-215911-6	381-5730	0.930	0.790	0.720	0.690
34	3-215911-4	381-5742	1.020	0.900	0.810	0.750
40	4-215911-0	381-5754	1.160	0.980	0.910	0.870
50	5-215911-0	381-5766	1.350	1.140	1.030	0.990
<b>Socket, class 1</b>						
10	1-215882-0	381-5778	0.600	0.500	0.470	0.440
14	1-215882-4	381-5780	0.690	0.560	0.540	0.520
16	1-215882-6	381-5791	0.730	0.620	0.590	0.560
20	2-215882-0	381-5808	0.870	0.690	0.630	0.600
26	2-215882-6	381-5810	1.030	0.900	0.810	0.750
34	3-215882-4	381-5821	1.120	0.930	0.850	0.810
40	4-215882-0	381-5833	1.270	1.060	0.960	0.930
50	5-215882-0	381-5845	1.510	1.270	1.160	1.120

**Latch PCB Solder Transition Connector**



- 2.54 x 2.54 mm grid
- 1.27 mm cable grid
- Hole diameter  $\varnothing = 0.8$  mm
- Approvals: **CSA, UL** Recognised

Contacts: CuSn, 2.5 µm to 5.1 µm Sn  
 Housing: Polyester, **UL94V-0**  
 Insulation resistance: 10<sup>9</sup>Ω

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

239301

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Transition Connector</b>						
10	1-216093-0	381-6175	0.56	0.46	0.44	0.42
14	1-216093-4	381-6187	0.68	0.56	0.54	0.52
16	1-216093-6	381-6199	0.71	0.57	0.55	0.52
20	2-216093-0	381-6205	0.83	0.67	0.60	0.59
26	2-216093-6	381-6217	1.04	0.90	0.81	0.75
34	3-216093-4	381-6229	1.17	0.99	0.92	0.88

**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 10<sup>9</sup>Ω@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	40	50
No. of Ways	32.1	32.1	44.8	44.8	70.2	82.9
Length						
Fixing Hole						
Centres	27.94	27.94	40.04	40.04	66.04	78.74
90°	21.84	29.46	34.54	42.16	59.94	72.64

208945

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	50+	100+	500+	1K+
<b>Straight PCB Pins</b>							
10	5499922-1	110-7827	0.80	0.72	0.70	0.68	0.65
16	5499922-3	110-7828	1.42	1.38	1.35	1.31	1.28
20	5499922-4	110-7829	1.05	0.98	0.94	0.90	0.87
26	5499922-6	110-7830	1.20	1.12	1.08	1.04	0.95
40	5499922-9	110-7831	1.61	1.50	1.44	1.38	1.33
50	1-5499922-0	110-7832	2.02	1.88	1.78	1.69	1.60
<b>90° PCB Pins</b>							
10	5499786-1	110-7833	0.83	0.77	0.73	0.71	0.65
26	5499786-6	110-7837	1.13	1.05	1.01	0.97	0.94
34	5499786-8	110-7838	1.45	1.35	1.30	1.23	1.13
40	5499786-9	110-7839	2.12	2.00	1.64	1.31	1.24

**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<sup>9</sup>Ω @500V dc

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

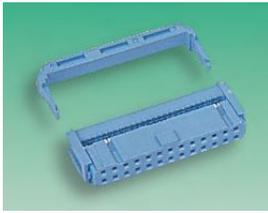
208854

Over 480,000 products online



**Standard Density IDC 0.05" Cable Pitch - continued**

**Female Socket Fork Type ID**



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

219676

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
<b>Bump/Clip Polarisation</b>							
10	1658527-4	129-8776	1.28	1.17	1.10	0.99	0.94
14	2-1658527-2	129-8777	1.45	1.35	1.30	1.16	1.00
16	1658527-7	129-8778	1.58	1.38	1.36	1.14	1.08
20	1658527-8	129-8779	2.36	2.12	2.00	1.84	1.55
26	1-1658527-0	129-8780	2.72	2.46	2.35	2.19	2.02
34	2-1658527-8	129-8782	2.76	2.53	2.42	2.29	2.17
40	1-1658527-3	129-8783	3.87	3.46	3.37	3.14	3.01
50	1-1658527-5	129-8784	3.71	3.24	3.17	3.02	2.86

**Female Socket (with Strain Relief) Tulip Contacts**



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

Bump/Clip polarisation 1107845

219660

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	50+	100+	500+
<b>Bump/Clip Polarisation</b>						
10	1658526-5	110-7841	2.72	2.43	2.06	1.72
14	1658526-9	110-7842	3.00	2.63	2.24	1.86
16	1-1658526-1	110-7843	3.15	2.82	2.41	1.99
20	1-1658526-3	110-7844	5.17	4.63	3.96	3.32
26	1-1658526-6	110-7845	5.08	4.58	3.93	3.24
34	1-1658526-9	110-7846	6.57	5.92	5.05	4.17
40	2-1658526-1	110-7848	8.14	7.32	6.25	5.18
50	2-1658526-4	110-7850	8.84	7.96	6.78	5.62

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



- 90° version require no 4 x 9.5mm self tapper or 2.5mmx12mm long screw

208859

No of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
10	2-5499206-1	110-7901	1.84	1.67	1.60	1.53	--
26	2-5499206-6	129-8804	3.19	2.97	2.80	2.16	2.05
34	2-5499206-8	129-8805	3.73	3.35	3.16	2.81	2.71
50	3-5499206-0	109-8638	4.72	4.32	4.12	3.94	--
10	2-5499141-1	129-8807	1.81	1.65	1.50	1.42	1.37
26	2-5499141-6	129-8808	2.45	2.18	2.05	1.97	1.78
34	2-5499141-8	129-8809	2.62	2.35	2.17	2.04	1.98

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

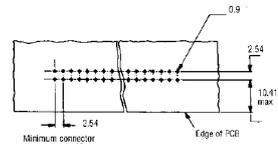
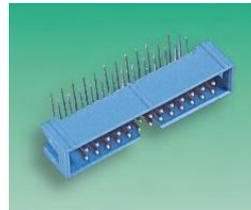


- Secured by a no. 4 x 6.5mm self-tapper

208870

No of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
10	2-5499141-1	129-8807	1.81	1.65	1.50	1.42	1.37
26	2-5499141-6	129-8808	2.45	2.18	2.05	1.97	1.78
34	2-5499141-8	129-8809	2.62	2.35	2.17	2.04	1.98

**PCB Mounting Low Profile Headers**



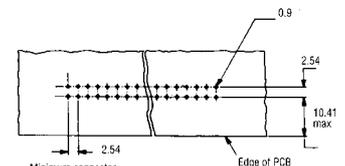
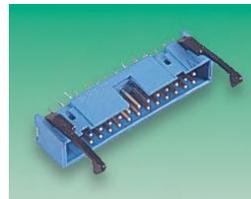
Recommended PCB drilling pattern

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

208881

No of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
<b>Straight PCB Pins</b>							
10	2-1761603-3	129-8785	1.15	1.06	1.03	0.95	0.91
14	2-1761603-5	129-8786	1.62	1.51	1.43	1.32	1.24
16	2-1761603-6	129-8788	1.53	1.42	1.36	1.22	1.15
20	2-1761603-7	129-8789	1.46	1.35	1.28	0.97	0.94
26	2-1761603-9	129-8790	2.05	1.94	1.82	1.71	1.62
34	3-1761603-1	129-8791	2.50	2.28	2.21	2.04	1.90
40	3-1761603-3	129-8792	3.19	2.89	2.75	2.60	2.47
50	3-1761603-5	129-8794	7.89	7.31	6.98	6.52	6.25
<b>90° PCB Pins</b>							
10	2-1761605-3	129-8795	1.48	1.38	1.31	1.19	1.16
14	2-1761605-5	129-8796	1.46	1.34	1.31	1.22	1.15
16	2-1761605-6	129-8797	1.66	1.52	1.45	1.36	1.32
20	2-1761605-7	129-8798	1.59	1.46	1.39	1.33	1.27
26	2-1761605-9	129-8799	1.84	1.70	1.61	1.54	1.46
34	3-1761605-1	129-8801	2.62	2.45	2.31	2.17	2.06
40	3-1761605-3	129-8802	3.28	3.03	2.88	2.72	2.45

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



Recommended PCB drilling pattern

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

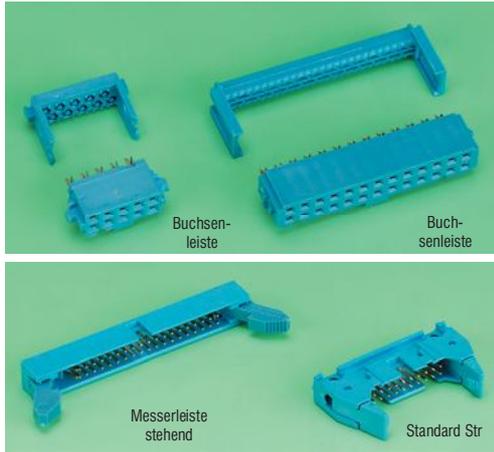
- Low profile, with positive stop, side lock/eject latches
- End stackable
- Improved stand-offs and bump\*/clip polarisation (order clip separately)
- Suitable for mating with female sockets with strain relief and tulip contacts \*10 way, bump polarisation only.

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

208891

No of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	50+	100+	500+	1K+
<b>Straight PCB Pins</b>							
10	2-1761606-3	110-7788	1.74	1.61	1.54	1.47	1.41
14	2-1761606-5	110-7791	1.90	1.74	1.66	1.58	1.51
16	2-1761606-6	110-7792	2.21	2.05	1.94	1.85	1.77
20	2-1761606-7	110-7794	3.26	2.95	2.64	2.41	2.31
26	2-1761606-9	110-7795	2.94	2.71	2.62	2.51	2.43
34	3-1761606-1	110-7796	3.16	2.91	2.80	2.69	2.57
40	3-1761606-3	110-7797	3.55	3.29	3.14	3.02	2.89
50	3-1761606-5	110-7798	3.30	3.05	2.92	2.79	2.66
<b>90° PCB Pins</b>							
10	2-1761607-3	110-7801	1.95	1.81	1.73	1.65	1.58
14	2-1761607-5	110-7802	1.90	1.74	1.66	1.58	1.51
16	2-1761607-6	110-7803	1.97	1.83	1.73	1.65	1.58
20	2-1761607-7	110-7804	2.46	2.26	2.16	2.07	1.97
26	2-1761607-9	110-7805	2.58	2.39	2.29	2.19	2.11
34	3-1761607-1	110-7806	2.83	2.60	2.50	2.40	2.30
40	3-1761607-3	110-7807	3.18	2.95	2.82	2.70	2.59

**Ansley IDC Connectors**



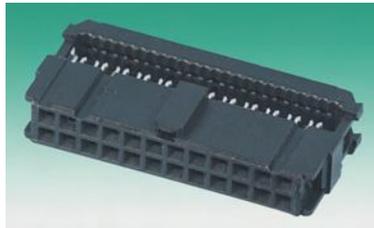
Current Rating 1A  
 Insulation Resistance 1MΩ  
 Insulation Material Glass Filled Thermoplastic UL94V-0 Blue  
 Contact Material Beryllium Copper  
 Gold over Nickel plated

Dielectric Strength 1000 VRMS  
 Operating Temperature -55°C to 125°C  
 Pitch 2.54mm x 2.54mm centres

232664

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+
<b>Female Socket - Centre Bump - Tulip Contact</b>						
10	1658526-4	110-7876●	3.00	2.46	2.05	1.78
14	1658526-8	110-7877●	3.18	2.54	2.13	1.81
16	2-1658526-9	110-7878●	3.73	3.07	2.56	2.19
20	1-1658526-2	110-7879●	4.26	3.52	2.94	2.51
26	1-1658526-5	110-7880●	5.66	4.66	3.86	3.33
34	1-1658526-8	110-7881●	5.91	4.84	4.06	3.47
<b>Female Socket - Centre Bump - Fork Contact</b>						
10	1658527-3	110-7883●	1.51	1.21	1.04	0.88
20	2-1658527-3	110-7886●	1.69	1.41	1.17	0.99
50	1-1658527-4	110-7888●	4.85	3.96	3.33	2.75
<b>Straight Header - Boxed - Long Latches</b>						
10	1761686-3	110-7890●	1.80	1.46	1.18	1.04
34	1-1761686-1	110-7894●	4.70	3.75	3.14	2.71
<b>Straight Header - Standard - Long Latches</b>						
10	2-5499206-1	110-7901●	1.84	1.67	1.60	1.53

**Amp-Latch Female Socket**



- Female socket, IDC termination
- Dual slot polarisation
- Wire pitch 1.27mm, 30AWG (0.05mm<sup>2</sup>) single strand, 32AWG (0.03mm<sup>2</sup>) stranded
- UL recognised and CSA approved
- Kinked solder tails for board retention during soldering
- Pitch 2.54mm x 2.54mm

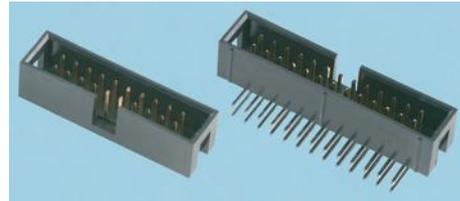
Contact Material Beryllium Copper, single piece, 15µm Gold in contact area  
 Housing Material Black thermoplastic, UL94V-0

231799

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	250+
10	1658621-1	109-8498●	0.560	0.520	0.500	0.480	0.460
14	1658621-2	109-8499●	0.630	0.590	0.570	0.550	0.530
16	1658621-3	109-8501●	0.660	0.620	0.600	0.580	0.560
20	1658621-4	109-8503●	0.710	0.670	0.640	0.610	0.580
26	1658621-6	109-8511●	0.820	0.770	0.730	0.710	0.690
34	1658621-8	109-8521●	0.900	0.850	0.820	0.790	0.750
40	1658621-9	109-8522●	1.020	0.960	0.920	0.880	0.850
<b>Strain Reliefs</b>							
<b>Order Multiple = 10</b>			<b>10+</b>	<b>50+</b>	<b>100+</b>	<b>500+</b>	<b>1K+</b>
10	499252-5	131-544●	0.110	0.100	0.096	0.092	0.088
14	499252-9	131-556●	0.100	0.093	0.089	0.085	0.082
16	499252-8	131-568●	0.119	0.111	0.106	0.101	0.097
20	499252-2	131-570●	0.102	0.093	0.086	0.075	0.073
26	499252-3	131-593●	0.162	0.148	0.135	0.120	0.107
30	1-499252-2	131-600●	0.112	0.102	0.094	0.084	0.073
34	499252-6	131-611●	0.125	0.115	0.104	0.094	0.084
40	499252-1	131-623●	0.169	0.144	0.131	0.117	0.104

Over 480,000 products online

**Commercial Box Header Series**



- Gold plated contacts
- Straight or right angle mounting
- Tin plated solder tails for ease of soldering
- UL recognised

Current Rating 3A  
 Dielectric Strength 500 VAC  
 Insulation Resistance 5000 MΩ

Housing Material Polyester, UL94V-0  
 Contact Material Brass, Gold plated  
 Temperature Range -40 °C to +105 °C

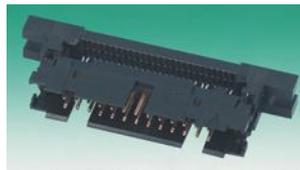
383434

Mfrs. List No.	No. of Ways	Order Code	1+	50+	100+	500+
<b>Straight PCB Header</b>						
1-1634688-0	10	839-5918●	0.49	0.45	0.44	0.36
1-1634688-4	14	839-5926●	0.59	0.54	0.50	0.42
1-1634688-6	16	839-5934●	0.66	0.61	0.59	0.51
2-1634688-0	20	839-5942●	0.77	0.71	0.68	0.64
2-1634688-6	26	839-5950●	0.90	0.83	0.72	0.58
3-1634688-4	34	839-5969●	0.98	0.93	0.87	0.79
4-1634688-0	40	839-5977●	1.03	0.95	0.91	0.87
5-1634688-0	50	839-5985●	1.49	1.38	1.36	1.18
<b>Right Angled PCB Header</b>						
1-1634689-0	10	839-5993●	0.55	0.50	0.48	0.43
1-1634689-4	14	839-6000●	0.64	0.59	0.57	0.55
1-1634689-6	16	839-6019●	0.76	0.70	0.67	0.63
2-1634689-0	20	839-6027●	0.83	0.76	0.73	0.59
2-1634689-6	26	839-6035●	1.00	0.93	0.91	0.78
3-1634689-4	34	839-6043●	1.13	1.06	1.00	0.85
4-1634689-0	40	839-6051●	1.39	1.27	1.23	1.11
5-1634689-0	50	839-6060●	1.61	1.48	1.44	1.29

**Amp-Latch**



**Male Cable Mount Headers with Ears**



- 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

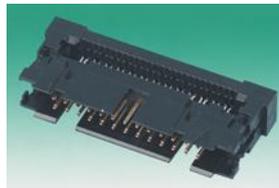
232132

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+	500+	1K+
<b>Without Latches</b>							
10	5111448-1	109-8605●	3.73	2.83	2.55	2.34	2.16
20	5111448-4	109-8606●	3.90	2.94	2.67	2.44	2.29
34	5111448-8	109-8609●	5.15	3.89	3.51	3.18	3.03
40	5111448-9	109-8610●	4.14	3.11	2.82	2.55	2.44
<b>With Long Latches</b>							
10	1-111506-6	109-8626●	5.20	4.52	3.87	3.61	3.33
16	1-111506-8	109-8628●	5.81	5.17	4.40	3.87	3.70
26	2-111506-1	109-8629●	6.70	5.94	5.05	4.45	4.24
40	2-111506-4	109-8630●	7.94	6.91	5.87	5.39	4.94
50	1-111506-4	109-8631●	9.18	7.99	6.76	6.21	5.72

**Amp-Latch**



**Male Cable Mount Headers W/O Ears**



- 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+	50+	100+	500+	1K+
<b>Without Latches</b>							
10	1-111446-4	109-8589●	3.19	2.43	2.15	1.99	1.87
16	1-111446-6	109-8596●	3.54	2.69	2.44	2.20	2.08
20	1-111446-8	109-8598●	4.20	3.19	2.87	2.62	2.48
26	2-111446-0	109-8599●	5.08	3.87	3.54	3.21	3.04
34	2-111446-2	109-8601●	3.68	2.81	2.51	2.31	2.14
40	2-111446-3	109-8602●	4.16	3.15	2.85	2.58	2.46

13



**Standard Density IDC 0.05" Cable Pitch - continued**

**Amp-Latch - continued**

**Male Cable Mount Headers W/O Ears - continued**

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+	1K+
<b>With Long Latches</b>							
10	1-111504-4	109-8632	3.77	3.27	2.82	2.57	2.36
14	1-111504-5	109-8633	4.15	3.62	3.09	2.83	2.59
16	1-111504-6	109-8634	4.62	4.03	3.41	3.13	2.87
20	1-111504-7	109-8635	8.51	7.40	6.32	5.78	5.31

**PCB Pin Strip Headers**

**Straight and 90° PCB Pins**



- 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  
Pitch 2.54  
Housing material Thermoplastic polyester, Green  
Contact material Brass

FOR MORE STRIP HEADERS SEE PCB SECTION

Mftrs. List No.	Order Code	1+	50+	100+	500+
<b>Single Row</b>					
<b>32 Way Straight PCB Pins</b>					
Tin 3-826936-2	521-7805	1.77	1.66	1.52	1.32
Gold 3-826646-2	521-7817	3.18	2.98	2.71	2.38
<b>32 Way 90° PCB Pins</b>					
Tin 3-826949-2	521-7829	1.74	1.65	1.50	1.31
Gold 3-826652-2	521-7830	3.49	3.25	2.98	2.60
<b>Double Row</b>					
<b>32+32 Way Straight PCB Pins</b>					
Tin 3-826942-2	521-7842	3.18	2.98	2.71	2.38
Gold 3-826656-2	521-7854	5.71	5.38	4.85	4.26
<b>32+32 Way 90° PCB Pins</b>					
Tin 3-826955-2	521-7866	3.18	3.01	2.73	2.36
Gold 3-826662-2	521-7878	5.25	4.95	4.50	3.93

13

**Shorting Links**



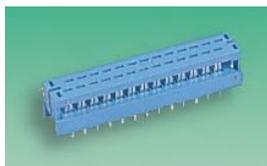
- Low profile, side and end stackable
- Chamfered entry holes, eases pin location
- Colour coded plating options

Housing material Glass-Filled Glass Filled Polyester  
Contact material Phosphor Bronze  
Flammability Rating UL94V-0A  
Pitch 2.54mm  
Contact colour code: Black Tin / Lead  
Black Nickel  
Blue Nickel  
Height 6.35mm

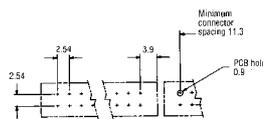
10 Per Strip Colour	Plating	Mftrs. List No.	Order Code	1+	50+	100+	500+
Black	Tin	2-382811-1	109-8684	0.64	0.58	0.54	0.48
Black	Gold	2-382811-0	521-7891	1.47	1.20	1.12	0.91
Blue	Gold	382811-2	521-7908	0.68	0.61	0.56	0.49

**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



Recommended PCB hole pattern viewed from components side of board

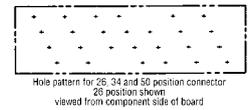
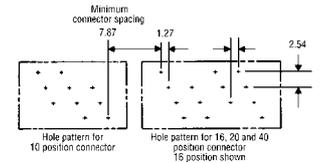
No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
10	1658525-6	129-8766	1.44	1.29	1.15	1.05	0.97
14	1658525-7	129-8767	1.20	1.05	0.96	0.87	0.81
16	1658525-8	129-8769	1.31	1.23	1.17	1.11	1.05
20	1658525-9	129-8771	1.43	1.34	1.27	1.14	1.09
26	1658525-1	129-8772	2.22	2.10	1.99	1.88	1.81
34	1658525-2	129-8773	2.05	1.93	1.85	1.74	1.67
40	1-1658525-3	129-8774	2.30	2.14	2.06	1.95	1.84
50	1658525-3	129-8775	2.79	2.57	2.48	2.33	2.22

**PCB Solder Transition**



1107871

- Provides a permanent connection between ribbon cable and printed circuit board



219665

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+	1K+
10	6437006-5	110-7869	2.21	2.00	1.72	1.46	1.40
16	1-6437006-1	110-7870	2.64	2.37	2.10	1.75	1.66
26	1-6437006-8	110-7871	3.52	3.15	2.77	2.33	2.21
34	2-6437006-2	110-7873	4.75	4.28	3.78	3.16	3.02

**'D' Range Locking Accessories**



- Free knurled male jackscrew plastic 'D' connection (pair) 9 to 37 312-915
- Fixed hexagonal female jack socket, front mounting connector (pair) 9 to 37 312-927
- Free knurled male jackscrew for 'D' with plastic backshell (pair) 9 to 37 312-939
- Fixed hexagonal female jack socket, rear mounting connector (pair) 9 to 37 \*312-952
- Fixed hexagonal female jack socket, rear mounting connector (pair) 9 to 37 \*312-964

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

Mftrs. List No.	Order Code	1+	50+	100+	500+	1K+
609002	312-915	3.21	2.77	2.62	2.40	2.29
609003	312-927	4.80	4.30	3.89	3.55	3.46
609004	312-939	3.38	3.02	2.73	2.65	2.58
609006	312-952	4.00	3.52	2.99	2.47	2.36
6090071	312-964	3.13	2.82	2.53	2.33	2.24

**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.

	Order Code	1+	5+	10+
Cutter	147-824	50.38	47.01	44.08
Spare Blades	150-077	1.08	1.00	0.89

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## Hand Tool (IDC)



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

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

208935

	Order Code	Price Each		
		1+	5+	10+
Hand Tool	963-010	9.28	8.68	

## Amplimite HDF-20



- 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. Contacts Contacts, duplex plated, duplex plated Phosphor Bronze

208847

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	50+	100+	250+	500+
<b>Plugs (Metal Shell)</b>							
9	1658613-4	109-8449●	4.13	3.81	3.63	3.48	3.32
15	1658613-3	109-8393●	4.98	4.60	4.40	4.20	4.03
25	1658613-2	109-8394●	6.17	5.67	5.44	5.21	4.99
37	1658613-1	109-8395●	8.73	7.97	7.61	7.28	6.95
50	1658607-1	116-2478●	6.46	6.03	5.75		
<b>Sockets (Metal Shell)</b>							
9	1658612-4	109-8450●	4.43	4.08	3.90	3.74	3.58
15	1658612-3	109-8396●	4.94	4.56	4.35	4.16	3.97
25	1658612-2	109-8397●	6.88	6.33	6.05	5.79	5.53
37	1658612-1	109-8398●	9.74	8.98	8.60	8.24	7.90
50	1658606-1	116-2477●	7.23	6.75	6.44	--	--
<b>Plugs (All Plastic)</b>							
9	1658615-4	109-8447●	4.23	3.90	3.74	3.60	3.46
15	1658615-3	109-8382●	5.15	4.74	4.54	4.33	4.14
25	1658615-2	109-8383●	6.14	5.60	5.35	5.11	4.88
37	1658615-1	109-8384●	8.42	7.76	7.42	7.10	6.77
<b>Sockets (All Plastic)</b>							
9	1658614-4	109-8448●	4.02	3.70	3.56	3.43	3.28
15	1658614-3	109-8388●	4.91	4.53	4.34	4.16	3.99
25	1658614-2	109-8390●	6.27	5.77	5.53	5.30	5.10
37	1658614-1	109-8392●	9.33	8.61	8.22	7.85	7.50
<b>Strain Reliefs</b>							
			1+	10+			
9	747275-4	348-2510●	0.55	0.50			
15	747275-3	348-2522●	0.58	0.53			
25	747275-2	348-2534●	0.72	0.66			
37	747275-1	348-2546●	0.87	0.80			

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## Miniature Delta Ribbon

## Mini D Ribbon (MDR) Connectors



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 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

411229

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
14	10114-3000PE	929-2624●	5.22	4.63	4.42	4.18
20	10120-3000PE	929-2632●	5.80	5.12	3.14	3.04
26	10126-3000PE	929-2640●	5.80	5.24	3.50	3.29
36	10136-3000PE	929-2659●	7.46	6.59	4.12	4.01
40	10140-3000PE	142-8331●	7.96	5.92	5.39	5.04
50	10150-3000PE	929-2667●	6.98	6.31	5.99	5.76

## 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

411259

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
14	10114-6000EL	142-8333●	3.78	3.39	3.05	2.70
20	10120-6000EL	929-2675●	4.83	4.49	4.32	4.16
26	10126-6000EL	929-2683●	5.27	4.92	4.70	4.49
36	10136-6000EL	929-2691●	5.06	4.70	4.53	4.35
40	10140-6000EL	142-8334●	10.44	10.26	9.90	9.75
50	10150-6000EL	929-2705●	6.80	6.35	6.08	5.82
68	10168-6000EL	929-2713●	6.93	6.47	6.18	5.94

## 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

411584

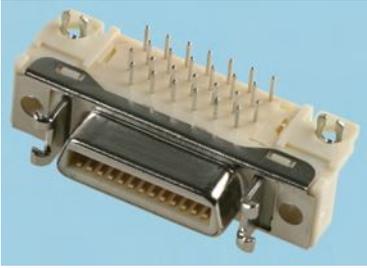
No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
20	10220-1210PE	929-2721●	3.98	3.14	2.93	2.81
26	10226-1210PE	929-2730●	6.31	5.39	4.76	4.52



40,000 PRICES REDUCED

**Miniature Delta Ribbon - continued**

**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



411669

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Reflow solder Compatible</b>						
14	10214-5212PL	929-2748●	4.65	4.16	3.89	3.74
20	10220-5212PL	929-2756●	4.80	4.46	4.29	4.13
26	10226-5212PL	929-2764●	4.20	3.92	3.75	3.57
36	10236-5212PL	929-2772●	6.35	5.90	5.64	5.42
50	10250-5212PL	929-2780●	4.82	4.47	4.29	4.13
68	10268-5212PL	929-2798●	4.03	3.76	3.61	3.46
<b>Surface mount compatible</b>						
20	10220-55G3PL	929-2802●	3.02	2.69	2.51	2.41
26	10226-55G3PL	929-2810●	3.86	3.59	3.41	3.27
36	10236-55G3PL	929-2829●	2.81	2.51	2.35	2.25
40	10240-55G3PC	142-8337●	4.90	3.76	3.26	3.09
50	10250-55H3PC	142-8338●	4.79	3.57	3.07	2.91
68	10268-55H3PC	142-8339●	5.76	5.05	4.36	4.14

**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**



411676

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
14	10214-6212PL	142-8340●	3.95	3.50	3.28	3.14
20	10220-6212PL	929-2837●	4.08	3.80	3.65	3.50
26	10226-6212PL	929-2845●	3.44	3.20	3.08	2.95
36	10236-6212PL	929-2853●	3.93	3.66	3.48	3.33
40	10240-6212PL	142-8341●	3.69	3.42	3.25	3.21
50	10250-6212PL	929-2861●	3.39	3.15	3.02	2.89
68	10268-6212PL	929-2870●	4.76	4.23	3.98	3.80

**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



411673

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
<b>Quick release</b>						
14	10314-52F0-008	143-0672●	5.56	4.92	4.24	4.03
20	10320-52F0-008	929-2926●	6.19	4.93	3.91	3.53
26	10326-52F0-008	929-2934●	6.81	5.07	4.38	4.15
36	10336-52F0-008	929-2942●	5.65	5.13	4.43	4.21
40	10340-52F0-008	142-8332●	5.10	4.55	4.27	4.08
50	10350-52F0-008	929-2950●	4.96	4.61	4.42	4.23
<b>Screw release</b>						
14	10314-52A0-008	143-0670●	4.21	3.97	3.53	3.27
20	10320-52A0-008	929-2888●	3.29	3.06	2.94	2.81
26	10326-52A0-008	929-2896●	3.99	3.72	3.55	3.39
36	10336-52A0-008	929-2900●	3.61	3.36	3.21	3.07
50	10350-52A0-008	929-2918●	3.68	3.44	3.29	3.15

**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



411672

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
14	10314-A200-00	143-0669●	9.19	8.12	7.77	7.33
20	10320-A200-00	929-3019●	11.33	10.53	5.61	5.37
26	10326-A200-00	929-3027●	8.37	7.41	7.07	6.69
36	10336-A200-00	929-3043●	8.52	7.93	5.40	4.93
40	10340-A200-00	143-0673●	12.25	9.22	7.98	7.57
50	10350-A200-00	929-3051●	11.28	9.97	9.53	9.01
68	10368-A200-00	929-3060●	15.10	13.37	12.80	12.07

**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



411670

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
26	10326-A500-00	929-3078●	9.68	7.48	6.44	5.81
36	10336-A500-00	929-3086●	9.61	7.43	6.41	5.79
50	10350-A500-00	929-3094●	11.05	9.11	7.93	7.49

**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



411674

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
14	10314-3210-000	142-8335●	4.80	4.53	4.34	4.14
20	10320-3210-000	929-2969●	3.69	3.44	3.27	3.11
26	10326-3210-000	929-2977●	4.53	4.19	3.86	3.69
36	10336-3210-000	929-2985●	4.68	4.28	3.96	3.80
40	10340-3210-000	142-8336●	4.79	3.58	3.09	2.93
50	10350-3210-000	929-2993●	5.51	4.88	4.68	4.58
68	10368-3210-000	929-3000●	3.80	3.37	3.22	3.10

**Accessories - Screw Lock**

- I/O Mounting hardware for MDR
- Thread size: M2.5

- Use 2 screw locks per connector

Mfrs. List No.	Order Code	Price Each			
		1+	10+	50+	100+
3341-31	929-3108●	1.89	1.77	1.70	1.61

411602

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**Mini Delta Ribbon - MD5 Series**  
IDC Plugs and Receptacles



- Accepts flat, round and twisted pair cables
- Wiper-on contact gives reliable repetitive plugging

Pitch	1.27mm	Withstanding Voltage	500V ac
Shell	Steel, Nickel Over Copper plated	Insulation Resistance	500Mohm
Insulator	Thermoplastic PBT, UL 94V-0	Contact Resistance	35mohm
Contacts	Phosphor Bronze, Selective Gold Flash plating	Operating Temperature	-55°C to 105°C
Current Rating	1A		

451539

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
<b>Plug</b>						
26	MD5ID26MOA7	130-6808●	1.35	1.23	1.14	1.09
36	MD5ID36MOA7	130-6809●	1.79	1.65	1.53	1.46
50	MD5ID50MOA7	130-6810●	2.10	1.93	1.79	1.70
68	MD5ID68MOA7	130-6811●	3.55	3.25	3.03	2.90
<b>Receptacle</b>						
26	MD5ID26FOL37	130-6802●	4.06	3.73	3.47	3.31
36	MD5ID36FOL37	130-6803●	2.66	2.45	2.26	2.17
50	MD5ID50FOL37	130-6804●	2.00	1.85	1.70	1.63
68	MD5ID68FOL37	130-6805●	4.22	3.90	3.61	3.45

**Mini Delta Ribbon - MD5 Series**  
Solder Plugs and Receptacles



- Solder to cable connectors for AWG 24 to 30 and a wide variety of cable types
- Solder cup termination means no extra tooling is needed
- Wiper-on contact gives reliable repetitive plugging

Pitch	1.27mm	Withstanding Voltage	500V ac
Shell	Steel, Nickel Over Copper plated	Insulation Resistance	500Mohm
Insulator	Thermoplastic PBT, UL 94V-0	Contact Resistance	35mohm
Contacts	Phosphor Bronze, Gold plating	Operating Temperature	-55°C to 105°C
Current Rating	1A		

451578

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
<b>Plug</b>						
26	MD5SC26MOA	130-6813●	1.79	1.65	1.53	1.46
36	MD5SC36MOA	130-6814●	1.79	1.65	1.53	1.46
50	MD5SC50MOA	130-6815●	1.68	1.54	1.43	1.37
68	MD5SC68MOA	130-6816●	3.55	3.25	3.03	2.90
<b>Receptacle</b>						
20	MD5SC20FOL3	130-6818●	3.05	2.80	2.60	2.49
26	MD5SC26FOL3	130-6821●	3.05	2.80	2.60	2.49
36	MD5SC36FOL3	130-6822●	3.07	2.83	2.62	2.50
50	MD5SC50FOL3	130-6823●	3.11	2.87	2.66	2.54
68	MD5SC68FOL3	130-6824●	4.89	4.50	4.17	3.98

**Mini Delta Ribbon - MD5 Series**  
PCB Receptacles



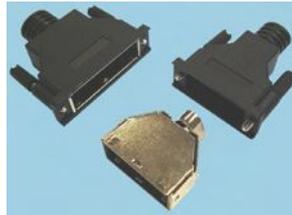
- Latch blocks improve the connection stability
- Wiper-on contact gives reliable repetitive plugging

Pitch	1.27mm	Withstanding Voltage	500V ac
Shell	Steel, Nickel Over Copper plated	Insulation Resistance	500Mohm
Insulator	Thermoplastic PBT, UL 94V-0	Contact Resistance	35mohm
Contacts	Phosphor Bronze, Gold plating	Operating Temperature	-55°C to 105°C
Current Rating	1A		

451585

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
<b>Strait</b>						
20	MD5SP20FOL3	130-6825●	1.94	1.79	1.66	1.58
<b>R/A</b>						
20	MD5RP20FOL3	130-6830●	4.46	4.10	3.79	3.62
50	MD5RP50FOL3	130-6834●	2.03	1.88	1.73	1.65
68	MD5RP68FOL3	130-6835●	2.40	2.20	2.04	1.95

**Mini Delta Ribbon - MD5 Series**  
Plastic Hoods



- Plastic hood with spring latches
- Steel inner shell
- Round cable straight exit
- Full EMI/RFI shielding

Hood Plastic ABS PA-707  
Inner Shell Steel, Nickel plated

451635

No. of Ways	Cable Diameter	Mfrs. List No.	Order Code	Price Each			
				1+	10+	25+	50+
20	6	MD5PL20S60CBK	130-6836●	4.00	3.68	3.43	3.25
20	6.5	MD5PL20S65CBK	130-6837●	0.81	0.73	0.68	0.64
20	7	MD5PL20S70CBK	130-6838●	1.06	0.99	0.92	0.87
20	7.5	MD5PL20S75CBK	130-6839●	0.81	0.73	0.68	0.64
26	7	MD5PL26S70CBK	130-6840●	0.81	0.73	0.68	0.64
26	8	MD5PL26S80CBK	130-6841●	0.90	0.83	0.78	0.72
26	8.5	MD5PL26S85CBK	130-6842●	0.90	0.83	0.78	0.72
36	7	MD5PL36S70CBK	130-6843●	0.90	0.83	0.78	0.72
36	8	MD5PL36S80CBK	130-6845●	0.90	0.83	0.78	0.72
36	8.5	MD5PL36S85CBK	130-6846●	1.18	1.09	1.02	0.97
36	9	MD5PL36S90CBK	130-6847●	0.90	0.83	0.78	0.72
50	9	MD5PL50S90CBK	130-6848●	0.95	0.88	0.82	0.78
50	10	MD5PL50S10CBK	130-6849●	0.95	0.88	0.82	0.78

**Mini Delta Ribbon - MD5 Series**  
Metal Hoods



- Die-cast backshell
- Strain relief staple with spring latches
- Round cable straight exit
- Excellent EMI/RFI protection

Backshell Zinc plated Nickel Over Copper

451640

No. of Ways	Cable Diameter	Mfrs. List No.	Order Code	Price Each			
				1+	10+	25+	50+
26	7.5	MD5ML26S75	130-6850●	1.68	1.54	1.43	1.37
26	9	MD5ML26S90	130-6851●	1.58	1.45	1.35	1.29
36	7.5	MD5ML36S75	130-6852●	1.81	1.65	1.53	1.46
36	9	MD5ML36S90	130-6853●	1.81	1.65	1.53	1.46
50	10	MD5ML50S10	130-6854●	1.35	1.23	1.14	1.09
50	12	MD5ML50S12	130-6855●	1.43	1.33	1.22	1.16
68	11	MD5ML68S11	130-6857●	1.81	1.65	1.53	1.46
68	14	MD5ML68S14	130-6858●	1.92	1.77	1.63	1.56

**har-mik® Miniature D Connectors**  
SMT Receptacles



- 14, 26 & 36 ways
  - Suitable for Reflow and wave soldering
- Pushing Performance**

Pitch	1.27mm	Test Voltage r.m.s	750V
Shell	Steel, Zinc plated	Insulation Resistance	10000Mohm
Insulator	Glass filled Thermoplastic Resin, UL94V-0	Contact Resistance	30mohm
Contacts	Copper Alloy, Selective Gold plating	Operating Temperature	-55°C to +105°C
Current Rating	1A		

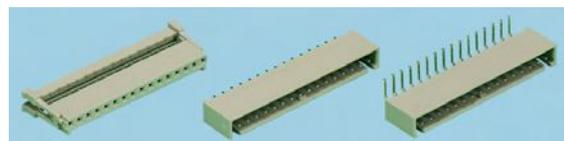
462407

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	25+	50+
14	60110145740	134-2300●	4.30	3.99	3.73	3.30
26	60110265740	134-2301●	6.95	6.46	6.04	5.35
36	60110365740	134-2302●	10.91	10.15	9.48	8.39

**IDC 0.1" Cable Pitch**



**Single Row IDC Sockets and Headers**



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

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

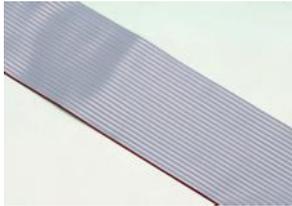
**IDC 0.1" Cable Pitch - continued**

**Single Row IDC Sockets and Headers - continued**

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	50+	100+	500+	1K+
<b>Socket</b>							
8	208284008000030	636-502●	3.10	2.92	2.78	2.18	1.88
14	208284014000030	636-514●	3.26	3.10	2.92	2.26	1.92
18	208284018000030	636-538●	3.84	3.70	3.46	2.72	2.26
24	208284024000030	636-551●	4.16	4.06	3.78	2.92	2.44
<b>Straight PCB Pins</b>							
8	108284008000030	636-563●	2.30	2.20	2.12	1.64	1.38
14	108284014000030	636-575●	2.54	2.42	2.28	1.82	1.50
18	108284018000030	636-599●	3.04	2.82	2.74	2.14	1.78
24	108284024000030	636-629●	2.44	2.26	2.18	1.74	1.44
<b>90° PCB Pins</b>							
8	108284008002030	636-630●	2.30	2.20	2.12	1.64	1.38
14	108284014002030	636-642●	2.54	2.42	2.28	1.88	1.56
24	108284024002030	636-680●	2.44	2.30	2.18	1.70	1.42

208866

**0.1" Pitch Ribbon Cable**



- Suitable for 8284 series single row IDC sockets

100m Reels		Price Per Reel		
No. of Conductors	Order Code	1+	5+	10+
8	636-691●	81.04	78.31	76.54
14	636-710●	90.08	87.05	85.06
18	636-721●	115.82	111.90	109.37
24	636-733●	136.40	133.66	130.99

208867

**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	Contacts	Copper Alloy Gold
Contact resistance	20mΩ max.	Wire size	24-32AWG
Mftrs. List No.	Connectors=FCN723B0xx2, Crimp tool = FCN723TT007H,	Covers=FCN720C0xx25 where xx = No of ways	Contacts=FCN723J-AUQ

208812

No. of Ways	Order Code	Price Each					
		1+	25+	100+	250+	500+	1K+
<b>Receptacle Connectors (Bump Polarised)</b>							
20	109-7347●	0.89	0.72	0.65	0.60	0.57	0.47
26	109-7348●	0.96	0.83	0.73	0.64	0.61	0.52
34	109-7351●	0.94	0.77	0.71	0.62	0.58	0.50
40	109-7352●	1.41	1.21	1.09	0.96	0.90	0.78
50	109-7375●	1.56	1.31	1.19	1.06	0.99	0.83
<b>Receptacle Covers</b>							
20	109-7353●	6.30	5.23	4.72	4.23	3.96	3.45
26	109-7354●	1.69	1.40	1.27	1.13	1.06	0.92
34	109-7376●	2.77	2.30	2.09	1.88	1.73	1.50
<b>Crimp Tool</b>	145-131	608.94					
		<b>Price Per Pack</b>					
<b>Crimp Contacts</b>		1+	100+	500+	1K+	5K+	
100 per pack	109-7356●	21.73	18.14	16.41	14.69	13.70	

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**Discrete PCB Mounted IDC**

**IDC 2 and 3 Way**



- Connector for IDC wire to board connection
- Surface Mount
- Phosphore Bronze contacts
- Connector designed to accept 26 and 28 Gauge solid or stranded wire

470087

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	50+	100+	250+
2	00 9175 002 001 006	SMD135-7794●	0.35	0.31	0.30	0.27
3	00 9175 003 001 006	SMD135-7795●	0.39	0.37	0.34	0.30
<b>Hand Tool</b>			<b>Price Each</b>			
Plastic	06 9175 7004 01 000	135-7796	2.63			

**Wire to Board IDC connector**

**9176 Series**



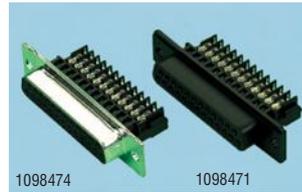
- Single row low profile
- End to End stackable for increase number of ways
- Rated at 10amps per contact
- Uses simple hand tooling for assemblies

485910

No. of Ways	Wire Size AWG	Mftrs. List No.	Order Code	Price Each			
				1+	50+	100+	250+
2	18	00 9176 002 001 006	146-7262●	0.52	0.48	0.46	0.44
2	18	00 9176 002 001 006	146-7262●	0.52	0.48	0.46	0.44
2	20	00 9176 002 011 006	146-7263●	0.52	0.48	0.46	0.44
2	22	00 9176 002 022 006	146-7264●	0.52	0.48	0.46	0.44
2	24	00 9176 002 032 006	146-7265●	0.52	0.48	0.46	0.44
3	18	00 9176 003 001 006	146-7266●	0.71	0.65	0.61	0.59
3	20	00 9176 003 011 006	146-7267●	0.71	0.65	0.61	0.59
3	22	00 9176 003 022 006	146-7269●	0.71	0.65	0.61	0.59
3	24	00 9176 003 032 006	146-7271●	0.71	0.65	0.61	0.59
				Price Each			
				1+			
<b>Accessories</b>							
Hand Tool Holder	06 7000 7730 01 000		146-7272	15.93			
Insertion Tool for 9175	06 9175 7016 01 000		146-7273	5.78			
Insertion Tool for 9176							
Dia 2.1	06 9176 7016 01 000		146-7274	5.78			
Insertion Tool for 9176							
Dia 1.6	06 9176 7016 02 000		146-7275	5.78			

**Discrete IDC D-Subminiature**

**Amplimite HDE-20**



- For discrete wire and jacketed cable
- Tin plated steel with thermoplastic insert or all thermoplastic housing
- UL recognised CSA certified

Contact rating	3A	Insert	Black Thermoplastic UL94V-0
Contact resistance	30mΩ max.	Contacts	Phosphor Bronze

208845

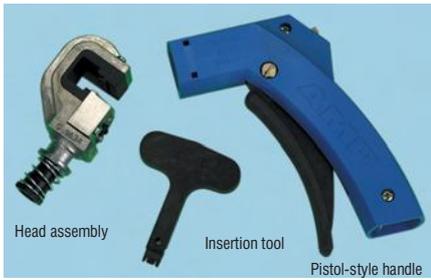
No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	50+	100+	500+	1K+
<b>Plugs (Metal Shell)</b>							
9	1-745492-8	109-8465●	3.08	2.79	2.70	2.47	2.36
15	1-745494-5	109-8466●	3.35	3.12	2.98	2.85	2.70
25	1-745496-7	109-8473●	3.90	3.62	3.47	3.32	3.17
<b>Sockets (Metal Shell)</b>							
9	1-745491-7	109-8464●	2.86	2.66	2.55	2.45	2.35
15	1-745493-4	109-8475●	2.67	2.50	2.39	2.28	2.16
25	1-745495-8	109-8474●	4.21	3.92	3.75	3.59	3.43
<b>Socket (Plastic)</b>							
25	745209-7	109-8471●	3.30	2.94	2.81	2.56	2.44

**REACH - SVHCs**



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HDE-20 Tooling



- Two piece manual pistol-style hand tool
- Rotating modular head assembly
- Terminates one unstripped wire per cycle and indexes to next position

Mfrs List No. 58074-1 = 139-5439, 58063-2 = 139-4885, 91232-1 = 9629491  
608868-1 = 9629572

208848

	Order Code	Price Each
Pistol-style handle	589-457	77.07
Head assembly	139-4885	186.25
Complete - Head & Handle	962-9572	121.34
Extraction tool	962-9491	9.04

Mass Termination Assemblies

MTA Connector System



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

208904

0.1" Pitch MTA Housings



24 AWG Housing 109-8694, 26 AWG Housing 109-8712, Dust Cover 588-386

- MTA 100 housings with preloaded contacts on 0.1" (2.54mm) pitch
- Housings colour coded by wire size:
  - 22 AWG (0.3mm<sup>2</sup>) = red
  - 24 AWG (0.2mm<sup>2</sup>) = natural
  - 26 AWG (0.12 - 0.15mm<sup>2</sup>) = blue
- Mates with all available 0.1" (2.54mm) pitch MTA post headers
- Current rating 4A

208907

Order Multiple=5				Price Each			
No. of Ways	Mfrs. List No.	Order Code	5+	50+	500+	1K+	
<b>22 AWG Housings</b>							
2	3-640440-2	109-8459	0.143	0.133	0.127	0.121	
3	3-640440-3	109-8438	0.260	0.240	0.220	0.210	
4	3-640440-4	109-8455	0.290	0.270	0.250	0.240	
5	3-640440-5	109-8439	0.370	0.340	0.330	0.320	
6	3-640440-6	109-8456	0.440	0.400	0.390	0.380	
7	3-640440-7	109-8440	0.450	0.420	0.400	0.380	
8	3-640440-8	109-8442	0.580	0.540	0.510	0.490	
10	4-640440-0	109-8458	0.710	0.660	0.640	0.610	
12	4-640440-2	109-8443	0.770	0.700	0.670	0.640	
<b>24 AWG Housings</b>							
2	3-640441-2	109-8685	0.380	0.320	0.290	0.220	
3	3-640441-3	109-8686	0.540	0.450	0.390	0.330	
4	3-640441-4	109-8687	0.660	0.550	0.500	0.450	
5	3-640441-5	109-8689	0.880	0.770	0.640	0.530	
6	3-640441-6	109-8692	1.020	0.830	0.780	0.590	
7	3-640441-7	109-8693	1.210	1.110	0.940	0.700	
8	3-640441-8	109-8694	1.420	1.190	1.090	0.880	
9	3-640441-9	109-8695	1.430	1.130	0.900	0.650	
15	4-640441-5	109-8698	2.540	2.030	1.550	1.170	
20	5-640441-0	109-8702	3.370	2.700	2.060	1.560	
<b>26 AWG Housings</b>							
2	3-640442-2	109-8708	0.169	--	--	--	
3	3-640442-3	109-8711	0.300	0.220	0.192	0.184	
4	3-640442-4	109-8712	0.380	0.300	0.250	0.240	
5	3-640442-5	109-8713	0.560	0.440	0.350	0.310	
6	3-640442-6	109-8714	0.480	0.400	0.350	0.340	

Order Multiple=5

No. of Ways	Mfrs. List No.	Order Code	5+	50+	500+	1K+
<b>26 AWG Housings</b>						
7	3-640442-7	109-8716	0.470	0.420	0.370	0.340
8	3-640442-8	109-8717	0.610	0.500	0.460	0.440
10	4-640442-0	109-8719	1.510	1.200	0.960	0.700
<b>MT100 Dust Covers</b>						
2	640550-2	588-337	0.122	0.112	0.108	0.103
3	640550-3	588-349	0.123	0.114	0.110	0.104
4	640550-4	588-350	0.149	0.138	0.133	0.117
5	640550-5	588-362	0.196	0.183	0.175	0.167
6	640550-6	588-374	0.198	0.183	0.173	0.165
8	640550-8	589-524	0.400	0.370	0.350	0.340
10	1-640550-0	589-548	0.430	0.390	0.380	0.360

0.1" Pitch MTA Post Headers



Straight 588-416, Polarised Straight 588-490, Friction Lock, Straight 588-593



Right Angle 588-660, Friction Lock, Right Angle 588-738

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

208914

Order Multiple=5

No. of Ways	Mfrs. List No.	Order Code	5+	50+	500+	1K+
<b>Straight</b>						
2	640452-2	588-398	0.171	0.160	0.153	0.134
3	640452-3	588-404	0.280	0.270	0.210	0.187
4	640452-4	588-416	0.360	0.340	0.330	0.210
5	640452-5	588-428	0.480	0.450	0.430	0.330
6	640452-6	588-430	0.550	0.510	0.470	0.390
20	2-640452-0	588-465	2.010	1.600	1.240	0.970
<b>Polarised Straight</b>						
2	640454-2	105-6394	0.178	0.165	0.124	0.097
3	640454-3	588-489	0.350	0.330	0.300	0.230
4	640454-4	588-490	0.450	0.410	0.400	0.300
5	640454-5	588-507	0.550	0.510	0.490	0.460
6	640454-6	588-519	0.650	0.620	0.580	0.490
8	640454-8	588-532	0.800	0.720	0.630	0.520
10	1-640454-0	588-544	1.100	1.030	0.980	0.710
15	1-640454-5	588-556	2.010	1.610	1.230	0.930
20	2-640454-0	588-568	2.010	1.600	1.240	0.970
<b>Friction Lock, Straight</b>						
2	640456-2	588-570	0.240	0.210	0.200	0.190
3	640456-3	588-581	0.320	0.290	0.240	0.210
4	640456-4	588-593	0.410	0.380	0.350	0.270
5	640456-5	588-600	0.550	0.500	0.450	0.310
6	640456-6	588-611	0.620	0.560	0.470	0.370
7	640456-7	588-623	0.720	0.660	0.620	0.470
8	640456-8	588-635	0.900	0.800	0.650	0.540
<b>Right Angled</b>						
5	640453-5	588-672	0.490	0.460	0.430	0.330
12	1-640453-2	588-696	0.930	0.870	0.730	0.560
15	1-640453-5	588-702	1.190	0.950	0.760	0.550
<b>Friction Lock, Right Angled</b>						
2	640457-2	588-714	0.250	0.240	0.230	0.200
3	640457-3	588-726	0.380	0.350	0.290	0.210
4	640457-4	588-738	0.430	0.410	0.390	0.290
5	640457-5	588-740	0.540	0.500	0.480	0.460
6	640457-6	588-751	0.720	0.660	0.510	0.420
7	640457-7	588-763	0.730	0.690	0.590	0.470
8	640457-8	588-775	0.980	0.910	0.770	0.590

0.1" Pitch MTA Shrouded Headers



- MTA shrouded header assemblies, pins 0.025" (0.64mm) square on 0.1" (2.54mm) centres
- Friction Lock

227266

Order Multiple=5

No. of Ways	Mfrs. List No.	Order Code	5+	50+	500+	1K+
<b>Straight Post</b>						
4	2-644486-4	109-8491	1.02	0.73	0.63	0.57

£ € 40,000 PRICES REDUCED

13



Mass Termination Assemblies - continued

0.156" Pitch MTA Housings



- MTA 156 Housing with lock
- Preloaded contacts on 0.156" (3.96mm) pitch
- Housings colour coded by wire size:
  - 20 AWG (0.5-0.6mm<sup>2</sup>) =yellow
  - 22 AWG (0.3-0.4mm<sup>2</sup>) =red
  - 24 AWG (0.2mm<sup>2</sup>) =natural
- Mates with all available 0.156" (3.96mm) pitch MTA post headers
- Current rating 5A

208825

Order Multiple=5							
No. of Ways	Mfrs. List No.	Order Code	5+	50+	500+	1K+	Price Each
<b>20 AWG Housings</b>							
2	3-640427-2	109-8453	0.350	0.320	0.310	0.290	
4	3-640427-4	109-8462	0.590	0.530	0.450	0.410	
6	3-640427-6	109-8463	0.780	0.680	0.550	0.520	
10	4-640427-0	109-8461	1.330	1.210	0.940	0.900	
<b>22 AWG Housings</b>							
2	3-640428-2	109-8721	0.370	0.340	0.330	0.240	
3	3-640428-3	109-8722	0.560	0.530	0.440	0.380	
4	3-640428-4	109-8723	0.710	0.660	0.510	0.450	
5	3-640428-5	109-8724	0.830	0.770	0.640	0.570	
6	3-640428-6	109-8726	0.960	0.880	0.680	0.560	
8	3-640428-8	109-8727	1.410	1.310	1.090	0.890	
10	4-640428-0	109-8729	1.600	1.490	1.240	1.020	
12	4-640428-2	109-8730	1.900	1.750	1.410	1.140	
15	4-640428-5	109-8732	2.380	1.930	1.440	1.080	
20	5-640428-0	109-8733	2.580	2.060	1.540	1.240	
<b>24 AWG Housings</b>							
2	3-640429-2	109-8734	0.370	0.340	0.330	0.240	
3	3-640429-3	109-8735	0.550	0.510	0.420	0.380	
4	3-640429-4	109-8736	0.710	0.660	0.510	0.450	
5	3-640429-5	109-8737	0.750	0.700	0.610	0.530	
6	3-640429-6	109-8738	0.950	0.890	0.680	0.570	
8	3-640429-8	109-8740	1.260	1.170	0.930	0.780	
12	4-640429-2	109-8744	1.530	1.410	1.120	0.920	
<b>MTA 156 Dust Covers</b>							
2	640551-2	588-982	0.200	0.190	0.131	0.117	
3	640551-3	588-994	0.290	0.220	0.161	0.131	
4	640551-4	589-007	0.320	0.290	0.210	0.175	
5	640551-5	589-019	0.320	0.300	0.200	0.169	
6	640551-6	589-020	0.410	0.360	0.210	0.196	
8	640551-8	589-251	0.560	0.450	0.380	0.280	
10	1-640551-0	589-275	1.010	0.940	0.680	0.570	

FOR MORE INFORMATION & CHOICE

Product Search

Mass Termination



RoHS Compliant Items Only | Advanced Search

0.156" Pitch MTA Post Headers



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

Order Multiple=5							
No. of Ways	Mfrs. List No.	Order Code	5+	50+	500+	1K+	Price Each
<b>Straight</b>							
2	640383-2	589-299	0.220	0.210	0.169	0.131	
10	1-640383-0	589-366	0.920	0.840	0.810	0.760	
12	1-640383-2	589-378	1.040	0.970	0.930	0.780	
20	2-640383-0	589-380	1.530	1.260	0.940	0.800	
<b>Friction Lock, Straight</b>							
2	640445-2	589-044	0.180	0.167	0.165	0.150	
3	640445-3	589-056	0.300	0.260	0.240	0.210	
4	640445-4	589-068	0.380	0.340	0.330	0.290	
5	640445-5	589-070	0.470	0.440	0.420	0.400	

Order Multiple=5

No. of Ways	Mfrs. List No.	Order Code	5+	50+	500+	1K+	Price Each
<b>Friction Lock, Straight</b>							
6	640445-6	589-081	0.560	0.530	0.500	0.460	
7	640445-7	589-093	0.640	0.520	0.400	0.330	
8	640445-8	589-100	0.710	0.650	0.590	0.510	
<b>Right Angled</b>							
12	1-640385-2	589-172	1.170	1.100	0.990	0.820	
<b>Friction Lock, Right Angled</b>							
2	640389-2	589-184	0.199	0.185	0.177	0.153	
3	640389-3	589-196	0.280	0.260	0.210	0.169	
4	640389-4	589-202	0.360	0.330	0.310	0.250	
5	640389-5	589-214	0.460	0.430	0.370	0.320	
6	640389-6	589-226	0.530	0.500	0.400	0.360	

MTA Tooling

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

	Mfrs. List No.	Order Code	Price Each
Hand Assembly	58074-1.	589-457	77.07
MTA 100 receptacle head	58246-1	589-469	256.85
MTA 156 receptacle head	58247-1	589-470	245.39
<b>Maintenance Hand Tools</b>			
0.1" pitch	59803-1	589-494	38.71
0.156" pitch	59804-1	589-482	43.82

IDT Connector Systems

Picoflex™ PF-50 Wire-to-Board



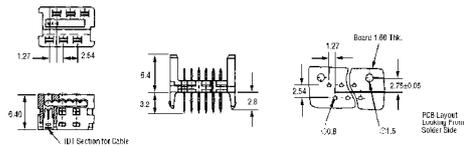
- Max 1.2A
- Wire to board interconnect system
- Used in single and double-ended, as well as daisy chain application
- 50% less space when mated
- Female connector is a single moulded piece
- Integral strain relief system on female connector
- Polarising end walls on header as SMT header available

208833

Picoflex™ PF-50 Connectors and Headers



1.27mm Pitch



Maximum Voltage 250V ac Housing White, Polyester (female) UL94V-0  
 Current Conductor (cable dependant) 1.2A Contact 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

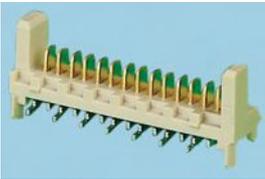
Order Multiple=5

No. of Mfrs. Ways	List No.	Order Code	5+	100+	250+	500+	1K+	2K5+	Price Each
<b>Female Connector</b>									
4	90327-0304	673-146	0.540	0.480	0.420	0.360	0.300	0.240	
6	90327-0306	673-158	0.800	0.630	0.490	0.380	0.350	0.340	
8	90327-0308	673-160	0.920	0.760	0.580	0.460	0.380	0.370	
10	90327-0310	673-171	1.120	0.910	0.690	0.530	0.460	0.410	
12	90327-0312	865-345	1.090	0.880	0.770	0.570	0.460	0.400	
14	90327-0314	673-183	1.360	1.110	0.840	0.650	0.550	0.500	
16	90327-0316	673-195	1.490	1.220	0.920	0.730	0.590	0.570	
<b>Order Multiple=1</b>									
20	90327-0320	673-201	1.730	1.390	1.070	0.810	0.700	0.690	
26	90327-0326	865-369	2.170	1.770	1.360	1.050	0.970	0.950	
<b>Order Multiple=10</b>									
10+	100+	250+	500+	1K+	2K5+				
<b>Male Header</b>									
4	90325-0004	673-213	0.460	0.370	0.330	0.260	0.210	0.178	
6	90325-0006	673-225	0.450	0.410	0.400	0.380	0.360	0.290	
8	90325-0008	673-237	0.650	0.530	0.450	0.370	0.340	0.290	
10	90325-0010	673-249	0.610	0.560	0.540	0.520	0.460	0.410	



Order Multiple=10	10+	100+	250+	500+	1K+	2K5+
<b>Male Header</b>						
12 90325-0012	865-370●	0.650	0.600	0.580	0.490	0.440
14 90325-0014	673-250●	0.970	0.730	0.630	0.530	0.390
16 90325-0016	673-262●	1.090	0.890	0.790	0.630	0.470
20 90325-0020	673-274●	1.270	1.000	0.900	0.710	0.630
26 90325-0026	865-394●	0.910	0.700	0.630	0.530	0.390

**Picoflex™ PF-50 Headers - SMT**  
1.27mm Pitch



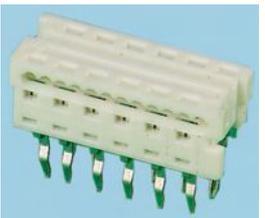
- Stamped SMT contacts with in-line, flat blades
- Rigid, staggered SMT solder tails

Mftrs. List No. 90814-08xx, where xx = No. of Ways

493286

Order Multiple=5	No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
<b>Price Each</b>								
4	151-8209●	0.60	0.48	0.43	0.37	0.32	0.25	
6	151-8210●	0.65	0.52	0.46	0.38	0.34	0.31	
8	151-8211●	0.82	0.65	0.50	0.38	0.32	0.29	
10	151-8212●	0.94	0.79	0.69	0.61	0.49	0.46	
12	151-8213●	0.99	0.80	0.67	0.57	0.51	0.43	
14	151-8214●	1.05	0.82	0.63	0.48	0.41	0.34	
<b>Order Multiple=1</b>								
16	151-8216●	1.41	1.26	1.19	1.07	0.93	0.80	
18	151-8217●	1.51	1.40	1.29	1.07	0.88	0.79	
20	151-8218●	1.51	1.19	1.05	0.88	0.78	0.64	
26	151-8219●	1.90	1.50	1.33	1.09	0.96	0.81	

**Picoflex™ PF-50 Low Profile, IDT Board-In**  
1.27mm Pitch



- For permanent board connection
- Kinked solder tails for board retention during soldering
- Fits same board layout as male header

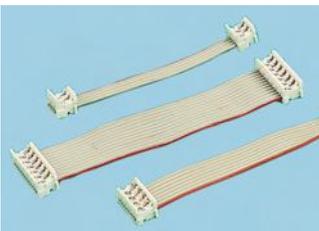
Mftrs. List No. 90584-13xx, where xx = No. of Ways

H=6.40mm, D=7.00mm

208834

Order Multiple=5	No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
<b>Price Each</b>								
8	865-424●	0.65	0.55	0.47	0.42	0.38	0.34	
10	865-436●	1.09	0.93	0.81	0.59	0.50	0.40	

**Picoflex™ PF-50 Custom Cable Harness**  
1.27mm Pitch



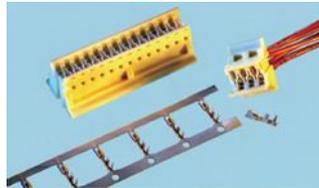
- Female to Female ribbon assembly
- Low volume or trial applications
- No tooling expense

208879

No. of Ways	Mftrs. List No.	Order Code	1+	5+	10+
<b>Female Cable Assembly - 10cm Length</b>					
4	92315-0410	303-2036●	0.69	0.63	0.61
6	92315-0610	303-2048●	0.94	0.87	0.83
8	92315-0810	303-2050●	1.10	1.02	0.95
10	92315-1010	303-2061●	1.14	1.05	1.00
12	92315-1210	303-2073●	1.30	1.19	1.13
14	92315-1410	303-2085●	1.47	1.35	1.30
16	92315-1610	303-2097●	1.56	1.36	1.19
20	92315-2010	303-2115●	2.00	1.72	1.53
26	92315-2610	303-2127●	2.35	2.05	1.79
<b>Female Cable Assembly - 15cm Length</b>					
4	92315-0415	303-2139●	0.66	0.58	0.51
6	92315-0615	303-2140●	0.93	0.80	0.70
8	92315-0815	303-2152●	0.99	0.87	0.75
10	92315-1015	303-2164●	1.11	0.96	0.85
12	92315-1215	303-2176●	1.23	1.09	0.95
16	92315-1615	303-2190●	1.61	1.41	1.21
20	92315-2015	303-2218●	1.47	1.27	1.11

No. of Ways	Mftrs. List No.	Order Code	1+	5+	10+
<b>Female Cable Assembly - 25cm Length</b>					
4	92315-0425	303-2231●	0.67	0.59	0.52
6	92315-0625	303-2243●	0.91	0.81	0.69
8	92315-0825	303-2255●	1.00	0.88	0.77
10	92315-1025	303-2267●	1.12	0.98	0.87
12	92315-1225	303-2279●	1.00	0.89	0.78
14	92315-1425	303-2280●	1.45	1.24	1.10
16	92315-1625	303-2292●	1.62	1.42	1.22
20	92315-2025	303-2310●	2.02	1.75	1.54
26	92315-2625	303-2322●	2.57	2.25	1.98

**Picoflex™ PF-50 Discrete Wire Receptacles**  
1.27mm Pitch



- Tested to high levels of vibration and shock
- Four point IDT cable interface
- A rugged one piece cable connector
- Low mated height

485407

No. of Ways	Mftrs. List No.	Order Code	10+	100+	250+	500+
<b>Price Each</b>						
4	91935-9004	143-8496●	0.092	0.079	0.068	0.061
6	91935-9006	143-8497●	0.094	0.081	0.069	0.062
8	91935-9008	143-8498●	0.096	0.084	0.071	0.064
10	91935-9010	143-8500●	0.100	0.086	0.073	0.066
12	91935-9012	143-8501●	0.103	0.089	0.078	0.068
14	91935-9014	143-8502●	0.106	0.091	0.080	0.070
16	91935-9016	143-8503●	0.109	0.094	0.083	0.072
18	91935-9018	143-8504●	0.111	0.097	0.085	0.073
20	91935-9020	143-8506●	0.114	0.099	0.087	0.076
22	91935-9022	143-8507●	0.118	0.102	0.089	0.079
24	91935-9024	143-8508●	0.121	0.104	0.092	0.081
26	91935-9026	143-8509●	0.124	0.107	0.094	0.084
<b>Crimp Leads</b>						
150mm	92001-1202	143-8512●	0.320	0.280	0.250	0.210
300mm	92001-1203	143-8513●	0.350	0.300	0.270	0.220

**Hand Tool for Picoflex™ PF-50**

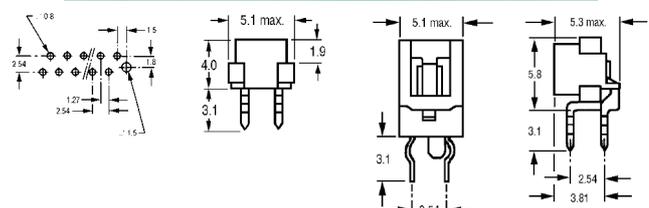
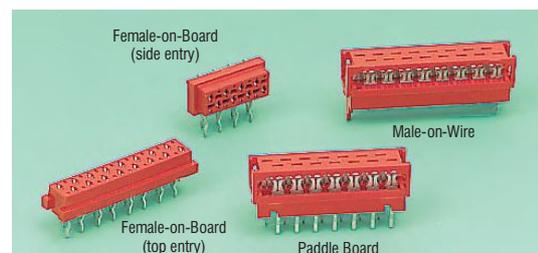


- Parallel action hand tool with precision location nest and termination blades
- Can terminate feed-to or feed-through applications

208830

	Mftrs. List No.	Order Code	Price Each
Hand Tool	69008-1090	863-7954	478.57

**Micro-MaTch**



**IDT Connector Systems - continued**

**Micro-MaTch - continued**

- 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	Housing	Red Thermoplastic polyester, GF UL94V-0
	220V (double contact spacing)	Contact	Phosphor Bronze, Tin plated
Current rating	1.5A max.		
Contact resistance	10m Ohm (max.)		
Insulation resistance	1000M Ohm (min.)		
Temperature range	-40°C to +105°C		

208869/406802

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



208871/406803

**Order Multiple=10**

No. of Ways	Mftrs. List No.	Order Code	10+	250+	500+	1K+
<b>Top Entry</b>						
4	7-215079-4	<b>148-507</b> ●	0.36	0.29	0.26	0.22
6	7-215079-6	<b>148-519</b> ●	0.49	0.43	0.38	0.36
8	7-215079-8	<b>148-593</b> ●	0.61	0.48	0.44	0.42
10	8-215079-0	<b>148-600</b> ●	0.98	0.55	0.48	0.43
12	8-215079-2	<b>148-635</b> ●	0.89	0.70	0.63	0.60
14	8-215079-4	<b>148-647</b> ●	0.92	0.84	0.70	0.64
16	8-215079-6	<b>148-659</b> ●	1.03	0.95	0.84	0.72
18	8-215079-8	<b>148-660</b> ●	1.17	0.93	0.82	0.75
20	9-215079-0	<b>148-672</b> ●	1.90	1.05	0.94	0.85
<b>Side Entry</b>						
4	7-215460-4	<b>148-684</b> ●	0.64	0.57	0.53	0.47
6	7-215460-6	<b>148-696</b> ●	0.89	0.68	0.62	0.58
8	7-215460-8	<b>148-751</b> ●	1.07	0.91	0.80	0.70
10	8-215460-0	<b>148-763</b> ●	1.69	0.95	0.83	0.75
12	8-215460-2	<b>148-799</b> ●	1.43	1.22	1.08	1.02

**Order Multiple = 1**

No. of Ways	Mftrs. List No.	Order Code	1+	250+	500+	1K+
14	8-215460-4	<b>148-891</b> ●	1.77	1.37	1.23	1.10
16	8-215460-6	<b>148-908</b> ●	1.86	1.40	1.24	1.14
20	9-215460-0	<b>149-020</b> ●	3.09	1.73	1.56	1.41

**Micro-MaTch**



**Female-On-Board Connector - SMT**



- Female-On-board connector SMT
- With or without Locking latches
- 1.27mm pitch
- Polarised
- Top entry

**Order Multiple=10**

No. of Ways	Mftrs. List No.	Order Code	10+	250+	900+
4	7-188275-4	<b>378-4710</b> ●	0.41	0.38	0.36
6	7-188275-6	<b>105-6234</b> ●	0.46	0.43	0.41
8	7-188275-8	<b>378-4733</b> ●	0.57	0.53	0.51
10	8-188275-0	<b>378-4745</b> ●	0.69	0.64	0.61
12	8-188275-2	<b>378-4757</b> ●	0.79	0.71	0.68
14	8-188275-4	<b>378-4769</b> ●	0.91	0.85	0.81
16	8-188275-6	<b>378-4770</b> ●	1.05	0.98	0.94
18	8-188275-8	<b>378-4782</b> ●	1.13	1.05	1.01
20	9-188275-0	<b>378-4794</b> ●	1.27	1.18	1.13

**With Locking Latches**

232136/406804

**Order Multiple=10**

No. of Ways	Mftrs. List No.	Order Code	10+	250+	900+
4	7-338069-4	<b>129-1785</b> ●	0.38	0.35	0.31
6	7-338069-6	<b>129-1787</b> ●	0.55	0.50	0.42
8	7-338069-8	<b>129-1788</b> ●	0.61	0.57	0.48
10	8-338069-0	<b>129-1789</b> ●	0.77	0.70	0.59
12	8-338069-2	<b>129-1790</b> ●	0.93	0.85	0.70
14	8-338069-4	<b>129-1791</b> ●	1.07	0.98	0.83

**Order Multiple=5**

No. of Ways	Mftrs. List No.	Order Code	5+	250+	900+
16	8-338069-6	<b>129-1792</b> ●	0.95	0.87	0.73
20	9-338069-0	<b>129-1794</b> ●	1.52	1.39	1.17

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



208872/406805

**Order Multiple=10**

No. of Ways	Mftrs. List No.	Order Code	10+	250+	500+	1K+
4	7-215083-4	<b>149-032</b> ●	0.50	0.43	0.41	0.38
6	7-215083-6	<b>149-068</b> ●	0.63	0.49	0.46	0.43
8	7-215083-8	<b>149-070</b> ●	0.79	0.62	0.58	0.48
10	8-215083-0	<b>149-081</b> ●	1.18	0.62	0.56	0.54
12	8-215083-2	<b>149-093</b> ●	1.07	0.87	0.79	0.68
14	8-215083-4	<b>149-135</b> ●	1.22	1.00	0.88	0.80
16	8-215083-6	<b>149-147</b> ●	1.39	1.12	1.02	0.91
18	8-215083-8	<b>149-184</b> ●	1.54	1.22	1.07	1.00
20	9-215083-0	<b>149-251</b> ●	2.23	1.27	1.08	0.99

**Micro-MaTch**



**Male-On-Board Connector**



- PCB mounting box headers
- 1.27mm pitch
- PCB thickness 1.6mm
- Polarised
- Kinked solder tails for board retention during soldering

232135/406806

**Order Multiple=10**

No. of Ways	Mftrs. List No.	Order Code	10+	250+	500+	1K+
4	7-215464-4	<b>378-4629</b> ●	0.37	0.31	0.26	0.25
6	7-215464-6	<b>378-4630</b> ●	0.47	0.41	0.37	0.33
8	7-215464-8	<b>378-4642</b> ●	0.55	0.47	0.45	0.42
10	8-215464-0	<b>378-4654</b> ●	0.91	0.50	0.45	0.42
12	8-215464-2	<b>378-4666</b> ●	0.90	0.68	0.60	0.56
14	8-215464-4	<b>378-4678</b> ●	0.96	0.78	0.68	0.61
16	8-215464-6	<b>378-4680</b> ●	1.14	0.89	0.78	0.71
18	8-215464-8	<b>378-4691</b> ●	1.19	0.93	0.84	0.77
20	9-215464-0	<b>378-4708</b> ●	1.53	0.87	0.78	0.70

**0.05" (1.27mm) Pitch Paddle Board**



208873/406807

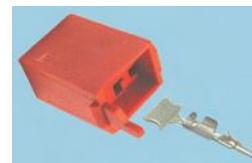
**Order Multiple=10**

No. of Ways	Mftrs. List No.	Order Code	10+	250+	500+	1K+
4	7-215570-4	<b>149-299</b> ●	0.53	0.44	0.42	0.38
6	7-215570-6	<b>149-317</b> ●	0.64	0.54	0.47	0.44
8	7-215570-8	<b>149-366</b> ●	0.81	0.63	0.60	0.49
10	8-215570-0	<b>149-380</b> ●	0.94	0.80	0.68	0.63
12	8-215570-2	<b>149-445</b> ●	1.16	0.97	0.84	0.79
14	8-215570-4	<b>149-597</b> ●	1.29	1.06	0.95	0.87
16	8-215570-6	<b>149-810</b> ●	1.46	1.16	1.06	0.97
18	8-215570-8	<b>149-822</b> ●	1.10	1.03	0.88	0.84
20	9-215570-0	<b>149-834</b> ●	2.33	1.31	1.16	1.05

**MicroMatch**



**Contact Housing**



449987



**40,000 PRICES REDUCED**



Order Multiple = 10						
No. of Ways	Mfrs. List No.	Order Code	10+	250+	500+	1K+
<b>Housing</b>						
4	338095-4	129-1795●	0.200	0.194	0.171	0.150
6	338095-6	129-1796●	0.180	0.171	0.150	0.133
8	338095-8	129-1797●	0.310	0.290	0.260	0.220
10	1-338095-0	129-1799●	0.370	0.340	0.310	0.290
12	1-338095-2	129-1800●	0.310	0.290	0.260	0.250
14	1-338095-4	129-1801●	0.350	0.330	0.290	0.270
16	1-338095-6	129-1802●	0.420	0.400	0.350	0.320
18	1-338095-8	129-1803●	0.430	0.400	0.350	0.330
20	2-338095-0	129-1805●	0.630	0.590	0.520	0.480
<b>Order Multiple = 1 Reel</b>			<b>Price Per Reel (750)</b>			
<b>Crimp Contacts</b>			1+	5+		
0.08 - 0.2mm <sup>2</sup>	1-338096-1	129-1806● RL	44.220	41.260		
0.2 - 0.5mm <sup>2</sup>	1-338097-1	129-1807● RL	44.220	41.260		
<b>Order Multiple = 1 Crimp Tool</b>			<b>Price Each</b>			
			1+			
0.08 - 0.20mm <sup>2</sup>	734870-2	129-1808	471.940			
0.2 - 0.5mm <sup>2</sup>	734870-1	129-1809	506.960			

Hand Tool for Micro-MaTch



208874/406808

	Mfrs. List No.	Order Code	Price Each
Hand Tool	734155-1	149-858	847.93
Terminal Head	734024-1	149-895	614.13

Micro-MaTch

1.27mm Pitch Pre Assembled Cables



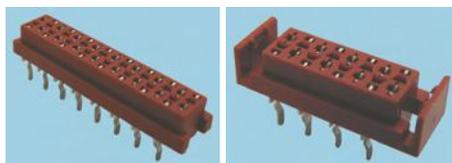
- Male to male ribbon cable assembly
- Choice of different lengths and number of ways

232137

No. of Ways	Length mm	Mfrs. List No.	Order Code	1+	5+	10+
4	100	1483350-1	105-6206●	0.99	0.93	0.89
4	150	1483350-2	105-6208●	1.00	0.93	0.89
4	250	1483350-3	105-6209●	1.03	0.96	0.92
6	100	1483351-1	105-6210●	1.03	0.96	0.92
6	150	1483351-2	105-6211●	1.05	0.98	0.94
6	250	1483351-3	105-6212●	1.13	1.05	1.01
8	100	1483352-1	105-6213●	1.12	1.04	1.00
8	150	1483352-2	105-6214●	1.19	1.11	1.07
8	250	1483352-3	105-6215●	1.27	1.17	1.13
10	100	1483353-1	105-6216●	1.19	1.11	1.07
10	150	1483353-2	105-6217●	1.29	1.19	1.14
10	250	1483353-3	105-6218●	1.38	1.29	1.21
12	150	1483354-2	105-6221●	1.29	1.19	1.14
12	250	1483354-3	105-6222●	1.46	1.36	1.30
14	100	1483355-1	105-6223●	1.45	1.35	1.29
14	250	1483355-3	105-6224●	1.67	1.55	1.49
16	100	1483356-1	105-6225●	1.64	1.53	1.47
16	150	1483356-2	105-6226●	1.67	1.55	1.49
16	250	1483356-3	105-6227●	1.73	1.62	1.55
18	100	1483357-1	105-6228●	1.88	1.74	1.67
18	150	1483357-2	105-6229●	1.85	1.70	1.63
20	100	1483358-1	105-6230●	2.02	1.88	1.79
20	100	1483358-2	105-6231●	2.04	1.90	1.82
20	250	1483358-3	105-6233●	2.06	1.92	1.84

1.27mm PCB Sockets - Vertical

4409AS Series



Socket without Lock

Socket with Lock

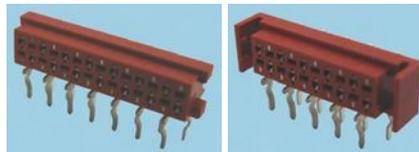


- Orientation - vertical
- Top Entry
- Option for sockets with or without lock
- Pitch Lead - 1.27mm, Pitch Row - 2.54mm
- Flammability rating - UL 94V-0

Mfrs. List No.	No. of Ways	Order Code	10+	250+	500+	1K+
<b>Without Lock</b>						
4409AS-04	4	156-5545●	0.280	0.220	0.183	0.160
4409AS-06	6	156-5546●	0.400	0.350	0.280	0.240
4409AS-08	8	156-5547●	0.540	0.450	0.370	0.330
4409AS-10	10	156-5548●	0.520	0.440	0.360	0.310
4409AS-12	12	156-5549●	0.620	0.520	0.430	0.370
4409AS-14	14	156-5550●	0.720	0.600	0.490	0.440
4409AS-16	16	156-5551●	0.700	0.580	0.480	0.430
4409AS-18	18	156-5553●	0.770	0.650	0.540	0.470
4409AS-20	20	156-5554●	0.880	0.720	0.600	0.530
<b>With Lock</b>						
4409AS-04-A	4	156-5555●	0.280	0.220	0.183	0.160
4409AS-06-A	6	156-5556●	0.400	0.350	0.280	0.240
4409AS-08-A	8	156-5557●	0.540	0.450	0.370	0.330
4409AS-10-A	10	156-5558●	0.520	0.440	0.360	0.310
4409AS-12-A	12	156-5559●	0.620	0.520	0.430	0.370
4409AS-14-A	14	156-5560●	0.720	0.600	0.490	0.440
4409AS-16-A	16	156-5561●	0.700	0.580	0.480	0.430
4409AS-18-A	18	156-5562●	0.770	0.650	0.540	0.470
4409AS-20-A	20	156-5563●	0.880	0.720	0.600	0.530

1.27mm PCB Sockets - Right Angle

4409AR Series



Socket without Lock

Socket with Lock



- Orientation - right angle
- Side Entry
- Option for sockets with or without lock
- Pitch Lead- 1.27mm, Pitch Row - 2.54mm
- Flammability rating - UL 94V-0

Mfrs. List No.	No. of Ways	Order Code	10+	250+	500+	1K+
<b>Without Lock</b>						
4409AR-04	4	156-5565●	0.280	0.220	0.183	0.160
4409AR-06	6	156-5566●	0.400	0.350	0.280	0.240
4409AR-08	8	156-5567●	0.540	0.450	0.370	0.330
4409AR-10	10	156-5568●	0.520	0.440	0.360	0.310
4409AR-12	12	156-5569●	0.620	0.520	0.430	0.370
4409AR-14	14	156-5570●	0.720	0.600	0.490	0.440
4409AR-16	16	156-5571●	0.700	0.580	0.480	0.430
4409AR-18	18	156-5572●	0.770	0.650	0.540	0.470
4409AR-20	20	156-5573●	0.880	0.720	0.600	0.530
<b>With Lock</b>						
4409AR-04-A	4	156-5574●	0.280	0.220	0.183	0.160
4409AR-06-A	6	156-5575●	0.400	0.350	0.280	0.240
4409AR-08-A	8	156-5577●	0.540	0.450	0.370	0.330
4409AR-10-A	10	156-5578●	0.520	0.440	0.360	0.310
4409AR-12-A	12	156-5579●	0.620	0.520	0.430	0.370
4409AR-14-A	14	156-5580●	0.720	0.600	0.490	0.440
4409AR-16-A	16	156-5581●	0.700	0.580	0.480	0.430
4409AR-18-A	18	156-5582●	0.770	0.650	0.540	0.470
4409AR-20-A	20	156-5583●	0.880	0.720	0.600	0.530

1.27mm IDC Male On Wire Type Connectors

4409A Series



- Pitch Lead- 1.27mm, Pitch Row - 2.54mm
- Flammability rating - UL 94V-0



Mfrs. List No.	No. of Ways	Order Code	10+	250+	500+	1K+
<b>Without Lock</b>						
4409A-04	4	156-5604●	0.280	0.220	0.183	0.160
4409A-06	6	156-5605●	0.400	0.350	0.280	0.240
4409A-08	8	156-5607●	0.540	0.450	0.370	0.330

**IDT Connector Systems - continued**

**1.27mm IDC Male On Wire Type Connectors - continued**

**4409A Series - continued**

Mfrs. List No.	No. of Ways	Order Code	Price Each			
			10+	250+	500+	1K+
4409A-10	10	156-5608●	0.520	0.440	0.360	0.310
4409A-12	12	156-5609●	0.620	0.520	0.430	0.370
4409A-14	14	156-5610●	0.720	0.600	0.490	0.440
4409A-16	16	156-5611●	0.700	0.580	0.480	0.430
4409A-18	18	156-5612●	0.770	0.650	0.540	0.470
4409A-20	20	156-5613●	0.880	0.720	0.600	0.530

**1.27mm PCB Sockets - SMD**

**4409SM Series**



Socket without Lock

Socket with Lock

- SMD Type
- Option for sockets with or without lock
- Pitch Lead- 1.27mm, Pitch Row - 2.54mm
- Flammability rating - UL 94V-0

Housing Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
High Temperature Plastic	Copper Alloy	Selective Plating	1A	30V	-40 to 105°C

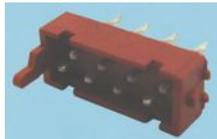


522412

Mfrs. List No.	No. of Ways	Order Code	Price Each			
			10+	250+	500+	1K+
<b>Without Lock</b>						
4409SM-04-CP	4	156-5584●	0.47	0.39	0.33	0.29
4409SM-06-CP	6	156-5585●	0.60	0.51	0.42	0.37
4409SM-08-CP	8	156-5586●	0.73	0.61	0.51	0.45
4409SM-10-CP	10	156-5587●	0.71	0.60	0.48	0.43
4409SM-12-CP	12	156-5589●	0.81	0.67	0.56	0.49
4409SM-14-CP	14	156-5591●	0.92	0.76	0.63	0.55
4409SM-16-CP	16	156-5592●	0.90	0.74	0.61	0.54
4409SM-18-CP	18	156-5593●	0.98	0.81	0.66	0.58
4409SM-20-CP	20	156-5594●	1.07	0.89	0.72	0.64
<b>With Lock</b>						
4409SM-04-A-CP	4	156-5595●	0.47	0.39	0.33	0.29
4409SM-06-A-CP	6	156-5596●	0.60	0.51	0.42	0.37
4409SM-08-A-CP	8	156-5597●	0.73	0.61	0.51	0.45
4409SM-10-A-CP	10	156-5598●	0.71	0.60	0.48	0.43
4409SM-12-A-CP	12	156-5599●	0.81	0.67	0.56	0.49
4409SM-14-A-CP	14	156-5600●	0.92	0.76	0.63	0.55
4409SM-16-A-CP	16	156-5601●	0.90	0.74	0.61	0.54
4409SM-18-A-CP	18	156-5602●	0.98	0.81	0.66	0.58
4409SM-20-A-CP	20	156-5603●	1.07	0.89	0.72	0.64

**1.27mm PCB Plugs - Vertical**

**4409AP Series**



- Orientation - vertical
- Pitch Lead- 1.27mm, Pitch Row - 2.54mm
- Flammability rating - UL 94V-0

Housing Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
High Temperature Plastic	Copper Alloy	Selective Plating	1A	30V	-40 to 105°C



522465

Mfrs. List No.	No. of Ways	Order Code	Price Each			
			10+	250+	500+	1K+
4409AP-04	4	156-5614●	0.280	0.220	0.183	0.160
4409AP-06	6	156-5615●	0.400	0.350	0.280	0.240
4409AP-08	8	156-5616●	0.540	0.450	0.370	0.330
4409AP-10	10	156-5617●	0.520	0.440	0.360	0.310
4409AP-12	12	156-5619●	0.620	0.520	0.430	0.370
4409AP-14	14	156-5621●	0.720	0.600	0.490	0.440
4409AP-16	16	156-5622●	0.700	0.580	0.480	0.430
4409AP-18	18	156-5623●	0.770	0.650	0.540	0.470
4409AP-20	20	156-5624●	0.880	0.720	0.600	0.530

**Micromodul**

Standard:	DIN VDE 0110/IEC 60664	Pitch:	1.27 mm
Working Temperature:	-25°C to +105°C	Rated current:	1.2A (per contact)
Material, Isolator:	PBT, V0 according to UL 94	Rated voltage:	250VAC
Material, Contacts:	Cu Sn, 5µm tinned (MICA)	Test voltage:	750VAC (1 min.)
	Cu Sn, nickel and 5µm tin plating (MICS and MICS-D)		

Approvals: UL listed      Isolation resistance: 10<sup>9</sup>Ω

250127



Over 480,000 products online

**1.27mm Micromodule Headers**

**MICS-D Series**



- Parallel Pin configuration
- 4 to 16 way

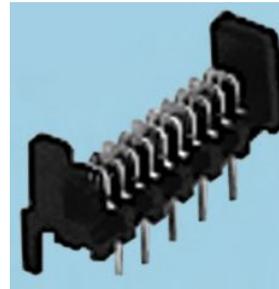


STED011 / 239169

Mfrs. list no.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	500+
MICS-D 4	4	121-6999●	0.196	0.159	0.134	0.129	0.115
MICS-D 6	6	121-7000●	0.440	0.340	0.270	0.250	0.230
MICS-D 8	8	121-7001●	0.340	0.260	0.220	0.200	0.184

**1.27mm Micromodule Headers**

**MICS Series**



- Staggered pin configuration
- Board retention lugs
- 4 to 36 way



239172

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	500+
MICS 6	6	121-6996●	0.260	0.220	0.191	0.180	0.154
MICS 8	8	121-6997●	0.270	0.250	0.220	0.210	0.186
MICS 20	20	121-6998●	0.660	0.520	0.460	0.440	0.390
MICS 36	36	871-266●	0.260	--	--	--	--
MICS 36	36	121-7042●	1.240	1.100	1.030	0.930	0.820

**1.27mm Micromodule Female Connectors**

**MICA Series**



- Polarised
- Mates with MICS and MICS-D Headers



STED013 / 239171

Mfrs. list no.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	500+
MICA 4	4	808-799●	0.320	0.220	0.200	0.192	0.181
MICA 6	6	808-805●	0.400	0.370	0.340	0.330	0.320
MICA 8	8	808-817●	0.510	0.410	0.340	0.300	0.290
MICA 10	10	808-829●	0.580	0.400	0.370	0.350	0.340
MICA 12	12	808-830●	0.700	0.550	0.450	0.410	0.400
MICA 14	14	808-842●	0.830	0.650	0.530	0.480	0.440
MICA 16	16	808-854●	0.890	0.700	0.590	0.530	0.490
MICA 20	20	808-866●	1.140	0.870	0.700	0.660	0.600
MICA 26	26	871-229●	1.390	1.100	0.910	0.830	0.760

**Micro Type 201F**



Handheld pliers for attaching flat ribbon cables based on a 1.27 mm grid to micromodule insulation-displacement connectors **MICA Type**. Both the fabrication of bus lines and attachment to the cable end are possible. Suitable for laboratories and prototype manufacture.



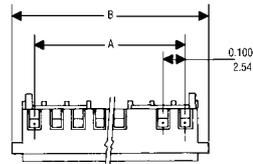
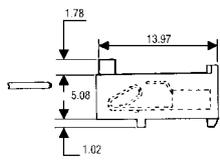
239175

Mfrs. list no.	Pitch	length	weight (g)
HZ30 (MICON 201F)	1,27	250	570
Mfrs. List No.	Order Code	Price Each	
HZ30 (MICON 201F)	835-031	634.74	

0.1" Pitch SIL Female Sockets-KK Series



- Max 1.4A
- Mates directly with 'KK' Series pin headers
- Open ended IDC slots for daisy chain application
- Used with IDT pre-notched ribbon cable or discrete wires



A=Number of ways - 1x2.54 (0.1")  
B=A+2.9

Max. voltage 300V ac  
Current per conductor (dependant upon cable) 2.5A max.  
Housing White Nylon UL94V-2  
Contacts Brass, Tin plated  
Operating temperature -20°C to +106°C  
Dielectric withstand voltage 1500V ac

7720S — 26 AWG 0.5A (Brown)

Cable sizes 0.124mm<sup>2</sup> stranded (26 AWG) 0.086mm<sup>2</sup> solid (28 AWG) Suitable ribbon cable 7307 Brown  
Housing colour code

Mfrs. List No. (38-00-209x) where x = number of ways for 2 to 9 way  
(38-00-2x0x) where xx = number of ways for 10 to 17 way

Order Multiple=5						
No. of Ways	Order Code	5+	100+	250+	500+	1K+
2	155-6088●	0.290	0.200	0.180	0.153	0.132
3	973-1741●	0.370	0.300	0.240	0.200	0.181
4	973-1750●	0.470	0.370	0.330	0.290	0.220
5	973-1768●	0.560	0.440	0.400	0.350	0.300
6	973-1776●	0.660	0.520	0.450	0.400	0.350
8	973-1784●	0.940	0.690	0.600	0.530	0.470
9	973-1989●	0.970	0.750	0.620	0.550	0.490
10	973-1792●	1.070	0.840	0.720	0.610	0.540
12	973-1997●	1.300	1.010	0.890	0.760	0.640
16	973-2012●	1.640	1.190	1.100	0.970	0.820

7720S — 24 AWG 1.4A (Green)

Cable sizes 0.22mm<sup>2</sup> stranded (24 AWG) 0.124mm<sup>2</sup> solid (26 AWG) Suitable ribbon cable 7234 Green  
Suitable discrete wire 7/0.2  
Housing colour code

Mfrs. List No. (22-50-3xx5) where xx = number of ways

208813

Order Multiple=5						
No. of Ways	Order Code	5+	100+	250+	500+	1K+
2	160-2632●	0.260	0.220	0.200	0.183	0.156
3	973-1814●	0.360	0.330	0.290	0.270	0.210
4	973-1822●	0.470	0.430	0.420	0.340	0.290
5	973-1830●	0.560	0.520	0.490	0.440	0.360
6	973-1849●	0.640	0.600	0.550	0.490	0.440
8	973-1857●	0.910	0.840	0.760	0.660	0.570
10	973-1865●	1.060	0.980	0.910	0.770	0.680
12	973-2020●	1.290	1.190	1.110	0.960	0.810
16	973-2039●	1.630	1.260	1.100	0.970	0.820
17	973-2047●	1.460	1.120	0.980	0.870	0.800

0.1" Pitch IDT Notched Ribbon Cable



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

7307 — 28 AWG 0.5A

Cable size 0.086mm<sup>2</sup> stranded (7/36 AWG) Connector 7720S - Colour code (Brown)  
Colour Grey

Mfrs. List No. 888-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	
					1+	5+
3	131-3462●	3.37	3	131-3396●	44.16	39.35
4	131-3463●	3.96	4	131-3397●	43.22	38.58
5	131-3464●	4.36	5	131-3398●	52.65	46.91
6	131-3465●	4.83	6	131-3399●	54.69	48.78
8	131-3466●	5.73	8	131-3401●	64.79	57.75
10	131-3467●	6.76	10	131-3402●	75.79	67.68
12	131-3468●	7.64	12	131-3403●	86.95	77.49

7234 — 26 AWG 1.4A

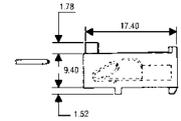
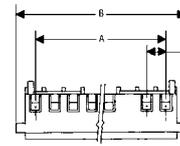
Cable size 0.124mm<sup>2</sup> solid (1/26 AWG) Connector 7720S - Colour code (Green)  
Colour Light Grey

Mfrs. List No. 882-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	
					1+	5+
6	131-3458●	4.25	6	131-3392●	38.06	33.95
8	131-3461●	5.08	8	131-3394●	57.46	51.25

0.156" Pitch IDT SIL Female Sockets



- Max 3.0A

A=Number of ways - 1x3.96 (0.156")  
B=A+4.42

7675 — 22 AWG 3.0A

Cable sizes 0.336mm<sup>2</sup> stranded (22 AWG) 0.22mm<sup>2</sup> solid (24 AWG) Suitable ribbon cable 7382 Black  
Housing colour code

Mfrs. List No. 09-06-5xx7 where xx = number of ways

No. of Ways	Order Code	Price Each					
		1+	100+	250+	500+	1K+	2K5+
2	973-1873●	0.50	0.40	0.34	0.30	0.24	0.21
4	973-1881●	0.91	0.68	0.61	0.53	0.46	0.41
8	973-1903●	1.69	1.31	1.15	1.01	0.89	0.75

7675 — 20 AWG 3.0A

Cable sizes 0.5mm<sup>2</sup> stranded (20 AWG) Suitable discrete wire 16/0.2 Blue 3A  
Housing colour code  
Contact rating

Mfrs. List No. 09-06-2xx7 where x = number of ways

208908

No. of Ways	Order Code	Price Each					
		1+	100+	250+	500+	1K+	2K5+
2	973-1920●	0.50	0.40	0.34	0.30	0.24	0.21
3	973-1938●	0.66	0.52	0.45	0.41	0.35	0.30
5	973-1946●	0.88	0.69	0.59	0.51	0.45	0.39
6	973-1954●	1.29	1.01	0.89	0.76	0.66	0.56
8	973-1962●	1.69	1.31	1.15	1.01	0.89	0.75

Hand Tools for 0.1" and 0.156" IDT Connectors



13



Mfrs. List No. 11-02-0016 = 147-124, 11-02-0015 = 147-125, 11-21-5194 = 147-126, 69008-0225 = 147-127, 11-21-5196 = 147-128

208929

	Order Code	Price Each
T crimp tool for 0.1" connectors	147-124	11.46
T crimp tool for 0.156" connectors	147-125	13.58
Discrete wire hand assembly gun body	147-126	122.94
0.1" crimp head for 147-126	147-127	127.96
0.156" crimp head for 147-126	147-128	132.58

Mini-Clamp II Plugs & Sockets



371 & 373 series



Plug



Socket



- Designed to accommodate typical wiring specifications per Europe and North America suppliers
- Easy, quick and reliable IDC termination
- Integrated cable retention
- Design accepts multiple wire size diameter - 20-26 AWG
- No special tooling needed
- Sockets available with or without a latch - the latch helps enable rugged field termination
- Compact design saves board space
- High number of mating cycles



**IDT Connector Systems - continued**

**Mini-Clamp II Plugs & Sockets - continued**

371 & 373 series - continued

- Flammability rating - UL 94V-0
- RoHS compliant

Contact Material Copper Alloy	Contact Plating Gold	Current Rating 3A	Voltage Rating 32V	Operating Temperature -20 - 85°C
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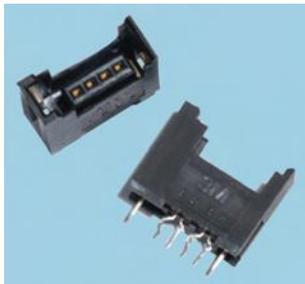
521951

Mfrs. Part No.	No. of Ways	Colour	Order Code	1+	50+	100+
<b>Plugs</b>						
37103-A124-00E MB	3	Green	163-7089●	1.54	1.44	1.40
37103-A165-00E MB	3	Blue	163-7090●	1.54	1.44	1.40
37103-A206-00E MB	3	Grey	163-7091●	1.54	1.44	1.40
37103-B101-00E MB	3	Red	163-7093●	1.54	1.44	1.40
37103-B122-00E MB	3	Yellow	163-7094●	1.54	1.44	1.40
37103-B163-00E MB	3	Orange	163-7096●	1.54	1.44	1.40
37104-A124-00E MB	4	Green	163-7097●	1.84	1.72	1.68
37104-A165-00E MB	4	Blue	163-7098●	1.84	1.72	1.68
37104-A206-00E MB	4	Grey	163-7099●	1.84	1.72	1.68
37104-B101-00E MB	4	Red	163-7100●	1.84	1.72	1.68
37104-B122-00E MB	4	Yellow	163-7102●	1.84	1.67	1.39
37104-B163-00E MB	4	Orange	163-7103●	1.84	1.72	1.68
<b>Sockets without Latch</b>						
37303-A124-00E MB	3	Green	163-7104●	1.65	1.50	1.26
37303-A165-00E MB	3	Blue	163-7105●	1.65	1.50	1.26
37303-A206-00E MB	3	Grey	163-7106●	1.65	1.50	1.26
37303-B101-00E MB	3	Red	163-7107●	1.65	1.50	1.26
37303-B122-00E MB	3	Yellow	163-7108●	1.65	1.50	1.26
37303-B163-00E MB	3	Orange	163-7109●	1.65	1.50	1.26
37304-A124-00E MB	4	Green	163-7110●	1.98	1.80	1.51
37304-A165-00E MB	4	Blue	163-7111●	1.98	1.80	1.51
37304-A206-00E MB	4	Grey	163-7112●	1.98	1.80	1.51
37304-B101-00E MB	4	Red	163-7114●	1.98	1.80	1.51
37304-B122-00E MB	4	Yellow	163-7115●	1.98	1.80	1.51
37304-B163-00E MB	4	Orange	163-7116●	1.98	1.80	1.51
<b>Sockets with Latch</b>						
37303-A124-0PE MB	3	Green	163-7117●	1.73	1.56	1.32
37303-A165-0PE MB	3	Blue	163-7118●	1.73	1.56	1.32
37303-A206-0PE MB	3	Grey	163-7119●	1.73	1.56	1.32
37303-B101-0PE MB	3	Red	163-7120●	1.73	1.56	1.32
37303-B122-0PE MB	3	Yellow	163-7121●	1.73	1.56	1.32
37303-B163-0PE MB	3	Orange	163-7122●	1.73	1.56	1.32
37304-A124-0PE MB	4	Green	163-7123●	2.06	1.86	1.56
37304-A165-0PE MB	4	Blue	163-7124●	2.06	1.86	1.56
37304-A206-0PE MB	4	Grey	163-7126●	2.06	1.86	1.56
37304-B101-0PE MB	4	Red	163-7127●	2.06	1.86	1.56
37304-B122-0PE MB	4	Yellow	163-7128●	2.06	1.86	1.56
37304-B163-0PE MB	4	Orange	163-7129●	2.06	1.86	1.56

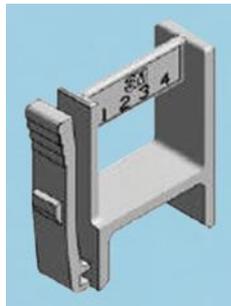
13

**Mini-Clamp Sockets**

372 series



Socket



Dust Cover

- 2 mm boardmount, straight solder tails
- Provides even quality
- Ensures easy operation for system building
- Saves board space
- Reduces waste
- Dust cover accessory available
- Flammability rating - UL 94V-0



Housing Material Nylon	Contact Material Copper Alloy	Contact Plating Gold	Current Rating 3A	Voltage Rating 32V	Operating Temperature -20 - 85°C
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521953

Mfrs. Part No.	No. of Ways	Order Code	1+	50+	100+
37203-62A3-003PL	3	163-7130●	1.050	0.970	0.940
37203-62B3-003PL	3	163-7131●	1.050	0.970	0.940
37204-62A3-004	4	163-7132●	1.180	1.110	1.080
37204-62B3-004	4	163-7133●	1.180	1.110	1.080
37206-62A3-003PL	3 x 2	163-7134●	1.800	1.680	1.630
37208-62A3-004PL	4 x 2	163-7135●	2.390	2.230	2.170
37212-62M3-003PL	3 x 4	163-7136●	2.060	1.930	1.880
37216-62M3-004PL	4 x 4	163-7138●	2.130	1.990	1.940
<b>Dust Covers</b>					
37803-1000-00	3	163-7139●	0.041	0.038	0.036
37804-1000-00	4	163-7140●	0.041	0.038	0.036



Over 480,000 products online



**HE 14 Connector System**

**IDT Socket Housings**



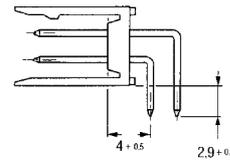
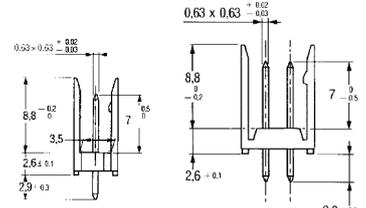
- Polarised sockets, mates with HE14 headers
- Used with discrete wires or IDT ribbon cable
- Quick termination of IDT cables as single or double row assembly

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

Order Multiple=5				Price Each		
No. of Ways	Mfrs. List No.	Order Code	5+	100+	250+	
<b>Single Row</b>						
3	281786-3	429-442●	0.58	0.53	0.51	
4	281786-4	429-454●	0.66	0.61	0.58	
5	281786-5	429-466●	0.83	0.76	0.72	
6	281786-6	429-478●	1.01	0.94	0.90	
8	281786-8	429-480●	1.30	1.19	1.14	
12	1-281786-2	429-508●	1.80	1.65	1.58	
<b>Double Row</b>						
3+3	281792-3	429-510●	0.67	0.62	0.60	
4+4	281792-4	429-521●	0.96	0.90	0.87	
5+5	281792-5	429-533●	1.15	1.07	1.03	
8+8	281792-8	429-557●	1.40	1.29	1.21	

**Pin Headers (with Friction Lock)**



Length = (no. of ways)x2.54, Pitch=2.54, PCB hole dia. = 1.0+0.1-0.05

208951

Order Multiple=5				Price Each		
No. of Ways	Mfrs. List No.	Order Code	5+	100+	250+	
<b>Straight Single Row</b>						
3	281695-3	120-5983●	0.34	0.31	0.30	
4	281695-4	120-5984●	0.44	0.40	0.39	
5	281695-5	120-5986●	0.43	0.39	0.38	
6	281695-6	120-5987●	0.46	0.43	0.41	
8	281695-8	120-5988●	0.66	0.61	0.58	
10	1-281695-0	120-5989●	0.79	0.70	0.67	
12	1-281695-2	120-5990●	0.98	0.90	0.86	
<b>90° Single Row</b>						
3	281698-3	120-5991●	0.39	0.35	0.34	
4	281698-4	120-5992●	0.40	0.36	0.34	
5	281698-5	120-5993●	0.47	0.43	0.42	
6	281698-6	120-5994●	0.53	0.48	0.46	
8	281698-8	120-5995●	0.64	0.59	0.56	
10	1-281698-0	120-5996●	0.90	0.82	0.78	
12	1-281698-2	120-5998●	1.16	1.07	1.03	
<b>Straight Double Row</b>						
3+3	281739-3	120-5999●	0.44	0.41	0.39	
4+4	281739-4	120-6001●	0.52	0.47	0.45	
5+5	281739-5	120-6002●	0.56	0.51	0.50	
6+6	281739-6	120-6003●	0.90	0.82	0.78	
8+8	281739-8	120-6004●	1.05	0.97	0.93	
10+10	1-281739-0	124-8203●	0.87	0.79	0.76	
12+12	1-281739-2	124-8204●	0.96	0.87	0.83	
<b>90° Double Row</b>						
3+3	281742-3	120-6005●	0.46	0.42	0.41	
4+4	281742-4	120-6006●	0.55	0.50	0.48	
5+5	281742-5	120-6007●	0.72	0.66	0.64	
6+6	281742-6	120-6008●	0.96	0.89	0.86	
8+8	281742-8	120-6009●	0.98	0.91	0.87	
10+10	1-281742-0	124-8205●	0.72	0.64	0.60	

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IDT Tooling for HE 14



- Two tools for terminating discrete cables onto HE14 IDT socket housing
- Available as a prototyping or larger volume tool for single or double row housing
- Production tool has an indexing system which automatically moves the socket to the next wire slot
- Supplied with carry case

Mftrs. List No. 525421-5 = 429-569, 734043-1 = 429-570

208953

	Order Code	Price Each
Prototyping tool	429-569	1+
Production tool	429-570	16.74
		264.93

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

Order Multiple=10		Mftrs. List No.	Order Code	10+	Price Each	100+	250+
<b>Single Row</b>							
3	281838-3	429-582	●	0.22	0.21	0.20	
4	281838-4	429-594	●	0.31	0.27	0.26	
5	281838-5	429-600	●	0.36	0.33	0.32	
6	281838-6	429-612	●	0.41	0.38	0.37	
8	281838-8	429-624	●	0.49	0.44	0.42	
10	1-281838-0	429-636	●	0.56	0.51	0.48	
12	1-281838-2	429-648	●	0.53	0.49	0.47	
<b>Double Row</b>							
3+3	281839-3	429-650	●	0.33	0.30	0.29	
4+4	281839-4	429-661	●	0.45	0.41	0.40	
5+5	281839-5	429-673	●	0.52	0.47	0.45	
6+6	281839-6	429-685	●	0.49	0.44	0.42	
8+8	281839-8	429-697	●	0.60	0.56	0.54	
10+10	1-281839-0	124-8207	●	0.58	0.50	0.48	

Crimp Terminal for HE 14



Wire Size (AWG)	Wire Size (mm <sup>2</sup> )	Insulation Diameter (mm)	Mftrs. List No.
28 - 24	0.08 - 0.22	0.8 - 1.2	182734-2

208955

Loose Pack Qty.	Order Code	Price Per Pack			
		1+	5+	10+	25+
10	429-703	1.390	1.330	1.140	1.040
200	429-715	32.330	25.710	18.360	16.170
Tape and Reel			Each		
	124-8209	0.122	0.099	0.063	0.039

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

Mftrs. List No. 947679-1

208956

Order Code	Price Each
	1+
429-727	225.52

Distribution Systems

Katt "S" Series Terminal Block



- IDC contact accepts two wires for parallel wired applications
- Low wire insertion force eliminates damage to PCB
- EIA 568A, ISO 11801 and EN 50173 compliant

RoHS ● Compliant ▲ Non-compliant

08447 11 11 11

Fax: 08447 11 11 12 1547

Dielectric strength	1.5kV rms @ 60Hz	Solid wire size	22 - 26AWG
Temperature range	-10°C to +60°C	Stranded wire size	(7 Strands) 22 - 26AWG
Re-terminations	>200	Max. wire OD	1.4mm
Contacts	Phosphor Bronze		

208898

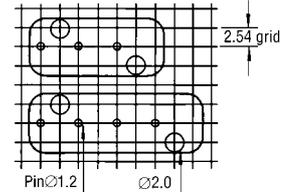
Order Multiple=5		Mftrs. List No.	Order Code	5+	50+	Price Each		
No. of Ways	Colour Coding					100+	500+	1K+
<b>Grey, Without Retention Posts</b>								
4	Unmarked	36.A0160	121-0857	●	0.49	0.48	0.46	0.42
<b>White, Without Retention Posts</b>								
4	Unmarked	36.A0740	121-0859	●	0.49	0.48	0.46	0.42
4	BL/O/G/B	36.A0760	121-0860	●	0.34	0.32	0.30	0.29
<b>Grey, With Retention Posts</b>								
2	Unmarked	36.A0340	121-0861	●	0.30	0.29	0.28	0.25
4	Unmarked	36.A0370	121-0862	●	0.49	0.48	0.46	0.42
4	BL/O/G/B	36.A0390	121-0863	●	0.34	0.32	0.30	0.29

Colour Coding: B = Brown, G = Green, O = Orange & BL = Blue

Quick Connection - IDC Termination  
5.08mm Pitch



H=13, W=7.2,  
Pitch=5.08,  
L=17 (3 way), 22 (4 way)



- Eliminates wire stripping, soldering or making screw terminations
- Maximum of 2 equal size wires per contact
- Gas tight connection
- Fixing posts for heat or ultrasonic staking, plus insulation grips for strain relief

Current rating	as wire connected	Contacts	Brass, Silver plated
Dielectric strength	2kV RMS min.	Colour	White
Temperature range	-40°C to +80°C	Conductor diameter	0.4 to 0.65mm

Mftrs. List No. 6048/1/001/0x where x=No of ways, 6417/1/810/02=147-894

219654

Order Multiple=5		Mftrs. List No.	Order Code	5+	50+	Price Each		
No. of Ways	BT Type					100+	500+	1K+
<b>Terminals</b>								
3	238A	120-7121	●†	0.36	0.33	0.32	0.30	0.28
4	239A	121-6372	●	0.53	0.49	0.44	0.39	0.37

† Available until stocks are exhausted

Terminal Modules



BT Type 241B  
H=23, W=105, D=26  
Fixing centres=95 x 4.5 dia.

BT Type 237E  
240mm lead H=39, W=123, D=20

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.

**APPROVED** for connection to telecommunication systems specified in the instructions for use subject to the conditions set out in them.

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)

Mftrs. List No.	Order Code	Mftrs. 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

219655

Colour	Order Code	Price Each					
		1+	10+	50+	100+		
<b>10 Pair Module - BT Type 237A</b>							
Cream	120-7124	●	8.21	7.34	5.98	5.12	4.72
<b>20 Way Earthing Module - BT Type 237E</b>							
Red	120-7126	●	6.16	5.66	--	--	--
<b>10 Pair Module - BT Type 241B</b>							
Grey	120-7127	●	7.11	6.62	5.81	5.46	5.34
<b>Label Holder - BT Type 51A (10 per pack)</b>							
	109-292		11.30	10.72	9.41		

**Distribution Systems - continued**

**Connection Boxes**  
5.08mm Pitch



**Type 200 (Low Profile)** H=170, W=120, D=19.5  
**Type 220** H=170, W=120, D=28.5  
**Type 250/5** H=210, W=160, D=90  
**Type 301A** H=320, W=210, D=120

- Connection boxes suitable for wall mounting or under floor ducting
- Enables multiple data/voice lines to be linked to exchange

Housing: BT type 201C - Ivory ABS    BT types 250/5 and 301A - Noryl SE.90, **UL94V-1**

**Type 200 and 220**

Low profile and deep lidded boxes containing 1x or 2x 10 pair IDC connection modules and 10 way IDC connection modules and 10 way IDC earthing block. Each terminal will accept two wires with a conductor diameter between 0.4 and 0.9mm. When fitted with 10 pair IDC-to-Screw terminal modules boxes can provide a network termination and test point.

Mftrs. List No. 6525/1/022/00 = 120-7122, 6530/1/017/00 = 120-7123, 6429/1/078/00 = 120-7128, 6429/1/076/00 = 120-7129, 6429/1/074/01 = 120-7130, 6429/1/073/01 = 120-7133

**BT Types 250/5 and 301A**

Two connection boxes capable of housing up to 5 or 10 Krone terminals modules complete with protection magazines. Terminal modules are available separately and can be snapped simply onto the metal base plate. Each module can accommodate 10 pairs of cable. A Screw terminal connected to the base for earthing.

219656

	Order Code	Price Each				
		1+	5+	10+	25+	50+
<b>Type 200</b>						
10 Pairs	<b>120-7128</b> ●	26.64	26.10	25.47	23.48	21.15
20 Pairs	<b>120-7129</b> ●	17.99	17.47	17.10	16.75	16.39
20 Pairs	<b>120-7130</b> ●	33.81	33.14	32.31	29.82	26.84
<b>Type 220</b>						
Deep lidded box for 30 Pairs (empty)	<b>120-7133</b> ●	23.74	23.28	22.70	20.95	18.29
Type 250/5 (50 pr)	<b>120-7122</b> ●	18.20	17.66	17.30	16.95	16.60
Type 301A (100 pr)	<b>120-7123</b> ●	16.69	16.20	15.86	15.53	15.19
IDC to screw terminal module (10 pr)	<b>121-6376</b>	15.88	15.56	15.18	14.01	12.61

**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

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

208821

BT Type	Order Code	Price Each			
		1+	5+	10+	25+
2A	<b>147-894</b>	25.46	24.97	24.23	20.84

**Punch Down Tools**  
For twisted Pair Cable



Terminates and cuts telephone wire and data cable. Removable blades for cabling into 110 and Krone LSA panels. The tool will accept all manufacturers twist and lock blades. Within the handle the adjustable impact force control ensures that the tool meets the demands of all cables. Also fitted to the handle are two tools, a hook to feed wires through holes and a multi use spudger: screwdriver and IDC contact insertion tool.

347146

	Mftrs. List No.	Order Code	Price Each	
			1+	10+
<b>Tools - with Blades</b>				
SurePunch with 110 reversible Blade	3592	<b>748-7711</b>	56.16	47.90
SurePunch with Krone LSA Blade	3595	<b>748-7720</b>	56.16	47.90
<b>Replacement parts</b>				
Krone LSA Blade	4575	<b>748-7754</b>	13.68	12.52

**Punchdown Tool**



1346968



1346972

488320

	Order Code	Price Each
Punchdown Tool	<b>134-6968</b>	25.65
Punchdown Tool	<b>134-6972</b>	4.17

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