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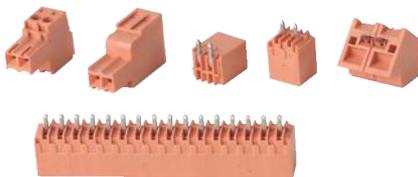
2.54mm Pitch Molex KK



molex

See page 1742

Plug-In PCB Terminal Blocks



Weidmüller

See page 1757

Multicomp FFC / FPC Connectors (0.5mm, 1mm, 1.25mm Pitch)

multicomp



See page 1679

Harwin 2.0mm Datamate

HARWIN



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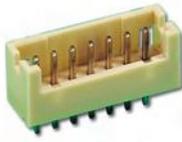
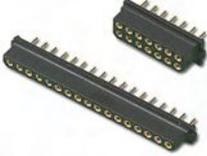
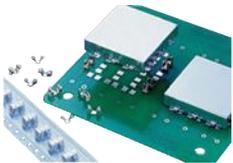


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PCB

260962

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0.2mm - 0.4mm Pitch FFC/FPC Connectors

Flip-Top Style ZIF FPC Connectors
0.2mm Pitch



These connectors are a first in the industry of 0.2mm pitch FPC connectors. It has a low profile of 1.85mm for a double-sided FPC. This was developed to meet the needs of high-density mounting and downsizing applications.

Features:-

- Leadless structure adopted where tails are contained in the outer package to save space
- The dual faced contacts assure contact reliability when connecting with double-sided FPC's
- To prevent the slider from unlocking and releasing the FPC, the slider turns in the opposite direction of the FPC insertion opening and locks. This resists the stress caused by FPC flexions and/or a withdrawal force applied to the FPC.

Insulator Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
Heat Resistance Plastic	Phosphor Bronze	Au (0.1µm Min.)	0.2A	50V AC/DC	-20°C to 85°C

523697

Mfrs. List No.	No. of Ways	Order Code	5+	50+	100+	500+	1K+
04 6246 030 101 883+	30	155-8182●	2.19	2.09	2.00	1.85	1.78
04 6246 080 101 883+	80	155-8184●	4.05	3.86	3.66	3.43	3.29

Flip-Top Style ZIF FPC Connectors
6295 / 6281 / 6285



These low profile Flip-top style, FPC connectors are designed to meet the miniaturisation requirement of portable equipment in the market place. It is also designed to utilize the progress of packaging technology, and the trend of a narrower pitch, and the increasing pin count of the connector.

Features:-

- Flip-top style mechanism locks the flexible cable in place and gives a click feeling when closed
- Equipped with metal strain relief tabs that prevent an FPC from being pulled vertically out of the connector
- The staggered pin layout makes fillet inspection and repairing easier
- Anti solder wicking and lead free
- Orientation - Right Angle
- Contact Location - Bottom Contact
- Pitch - 0.3mm
- Profile Heights - 6295 - 0.9mm, 6281 - 1.25mm, 6285 - 1.1mm
- Applicable FPC Thickness - 6295 - 0.15mm, 6281 - 0.2mm, 6285 - 0.15mm

Applications:

- 6295 - developed for downsizing and high density mounting of cellular phones and PDA's
- 6281 - can be used for a wide range of applications including DVD drives, LCD modules and hand held devices
- 6285 - generally used in mobile PCs, slim Notebook-PCs, cellular phones, PHS, DVC, DSC, MD, and complex machines in which several of these applications are incorporated

Series	Insulator Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
6295	Heat Resistance Plastic	Phosphor Bronze	Au (0.1µm Min.)	0.2A	50V AC/DC	-20°C to 85°C
6281	Heat Resistance Plastic	Phosphor Bronze	Au (0.1µm Min.)	2A	50V AC/DC	-40°C to 85°C
6285	Heat Resistance Plastic	Phosphor Bronze	Au (0.1µm Min.)	0.2A	50V AC/DC	-20°C to 85°C

523680

Mfrs. List No.	No. of Ways	Order Code	5+	50+	100+	500+	1K+
04 6295 017 000 883+	17	155-8185●	0.89	0.86	0.80	0.76	0.72
04 6295 021 000 883+	21	155-8186●	1.07	1.02	0.97	0.91	0.87
04 6295 025 000 883+	25	155-8187●	1.04	0.99	0.95	0.89	0.85
04 6295 027 000 883+	27	155-8188●	1.09	1.05	1.00	0.94	0.90
04 6295 037 000 883+	37	155-8189●	1.27	1.21	1.15	1.08	1.04
04 6295 041 000 883+	41	155-8190●	1.43	1.35	1.29	1.21	1.15
04 6295 045 000 883+	45	155-8191●	1.60	1.52	1.45	1.35	1.30
04 6295 051 000 883+	51	155-8192●	1.69	1.61	1.53	1.43	1.36
04 6295 061 000 883+	61	155-8193●	1.95	1.85	1.77	1.66	1.59
04 6281 221 202 829+	21	155-8194●	0.62	0.60	0.56	0.53	0.51
04 6281 225 202 829+	25	155-8196●	0.71	0.68	0.64	0.61	0.58
04 6281 235 202 829+	35	155-8197●	0.87	0.81	0.78	0.73	0.70

Mfrs. List No.	No. of Ways	Order Code	5+	50+	100+	500+	1K+
04 6281 239 202 829+	39	155-8198●	0.89	0.86	0.80	0.76	0.72
04 6281 253 202 846+	53	155-8199●	1.22	1.15	1.11	1.04	0.99
04 6281 261 202 846+	61	155-8200●	1.27	1.21	1.15	1.08	1.04
04 6281 271 202 829+	71	155-8202●	1.24	1.18	1.13	1.06	1.02
04 6285 017 000 883+	17	155-8203●	1.07	1.02	0.97	0.91	0.87
04 6285 019 000 883+	19	155-8204●	1.09	1.05	1.00	0.94	0.90
04 6285 021 000 883+	21	155-8205●	1.18	1.13	1.08	1.00	0.97
04 6285 025 000 883+	25	155-8206●	1.22	1.15	1.11	1.04	0.99
04 6285 031 000 883+	31	155-8207●	1.43	1.35	1.29	1.21	1.15
04 6285 033 000 883+	33	155-8208●	1.35	1.30	1.23	1.15	1.11
04 6285 039 000 883+	39	155-8209●	1.60	1.52	1.45	1.35	1.30
04 6285 045 000 883+	45	155-8210●	1.92	1.83	1.75	1.64	1.57
04 6285 051 000 883+	51	155-8211●	1.89	1.80	1.71	1.61	1.55

FPC ZIF Connectors- 1mm above board
FH26 Series



- 0.3mm contact pitch
- Extremely light weight
- Solders easily onto the PCB
- Conductive traces on the PCB can run under the connector
- Accepts standard thickness FPC
- Board placement with automatic equipment

Current Rating	0.2 A	Durability	10 cycles
Voltage Rating	30V AC	Contacts	Phosphor Bronze
Operating Temperature	-55°C to 85°C	Colour	Black

496567

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
17	FH26-17S-0.3SHW(05)	151-8808●	1.04	0.97	0.89	0.82
27	FH26-27S-0.3SHW(05)	151-8807●	1.19	1.12	1.04	0.96
33	FH26-33S-0.3SHW(05)	151-8806●	1.31	1.23	1.15	1.05
39	FH26-39S-0.3SHW(05)	151-8805●	1.41	1.31	1.23	1.13
41	FH26-41S-0.3SHW(05)	151-8804●	1.47	1.37	1.29	1.18
45	FH26-45S-0.3SHW(05)	151-8803●	1.54	1.42	1.34	1.23
51	FH26-51S-0.3SHW(05)	151-8802●	1.67	1.56	1.45	1.32
71	FH26-71S-0.3SHW(05)	151-8801●	2.03	1.90	1.78	1.63

FPC ZIF Connectors- 1.25mm above board
FH23 Series



- 0.3mm contact pitch
- FPC low insertion force
- Temporary hold of FPC
- Easy board mounting
- Flip lock actuator assures easy and reliable operation

Current Rating	0.2 A	Durability	10 cycles
Voltage Rating	30V AC	Contacts	Phosphor Bronze
Operating Temperature	-55°C to 85°C	Colour	Black

496572

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
21	FH23S-21S-0.3SHW(05)	151-8809●	0.66	0.61	0.58	0.53
33	FH23-33S-0.3SHAW(05)	151-8815●	1.25	1.18	1.09	1.00
39	FH23-39S-0.3SHAW(05)	151-8814●	1.51	1.42	1.32	1.10
45	FH23-45S-0.3SHAW(05)	151-8813●	1.54	1.42	1.34	1.23
51	FH23-51S-0.3SHAW(05)	151-8812●	1.69	1.58	1.47	1.35
61	FH23-61S-0.3SHAW(05)	151-8810●	2.11	1.96	1.84	1.48

FFC Low Profile

XF2C 0.3mm Pitch, 0.9mm Profile



- Rotating backlock system
- Depth of 4mm (with slider closed)
- Wall provided on reverse side of connector to allow greater freedom of design
- Upper-contact type

Contacts	Copper Alloy	Contact resistance	80mΩ max
Plating	Gold	Temperature range	-30°C to +85°C
Current Rating	0.2A	Rated Voltage	50A

485572

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+
29	XF2C-2955-41A	143-0933●	1.40	1.23	1.11
39	XF2C-3955-41A	143-0934●	1.90	1.69	1.52

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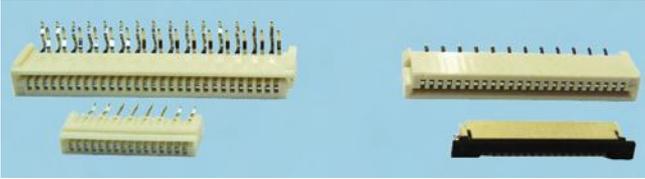
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0.5mm Pitch FFC/FPC Connectors

FFC/FPC Connectors

0.5mm Pitch



- Top and bottom contact options
 - ZIF and non-ZIF versions
- Contacts Phosphor Bronze Material High Temp. Thermoplastic
 Plating Tin or Gold Flammability Rating UL94V-0

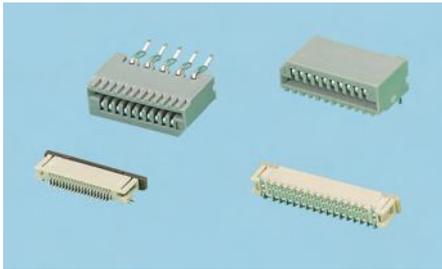
0.5mm Pitch - Gold plated contacts

529132

Order Multiple=5		Price Each						
No. of Mftrs.	Ways	List No.	Order Code	5+	50+	100+	500+	1K+
ZIF R/A top contact SMT								
10	1-1734839-0	130-2339	● RL	0.52	0.47	0.44	0.42	0.39
14	1-1734839-4	130-2340	● RL	0.69	0.62	0.59	0.55	0.52
16	1-1734839-6	130-2341	● RL	0.82	0.73	0.69	0.66	0.62
20	2-1734839-0	130-2342	● RL	0.98	0.91	0.87	0.83	0.78
30	3-1734839-0	130-2344	● RL	1.21	1.13	1.08	1.02	1.01
ZIF R/A bottom contact SMT								
10	1-1734592-0	130-2345	● RL	0.52	0.47	0.44	0.42	0.39
14	1-1734592-4	130-2347	● RL	0.69	0.62	0.59	0.55	0.52
16	1-1734592-6	130-2348	● RL	0.86	0.77	0.73	0.69	0.65
20	2-1734592-0	130-2349	● RL	1.03	0.96	0.92	0.87	0.82
30	3-1734592-0	130-2350	● RL	1.21	1.13	1.08	1.02	1.01

FFC/FPC Connectors

0.5mm Pitch



- Top and bottom contact options
- Accommodates 0.3mm to 0.1mm FFC/FPC
- ZIF versions with secondary actuator
- Gas tight contact interface to the circuit

Contacts Phosphor Bronze Contact resistance 20mΩ max
 Plating Tin Temperature range -30°C to ++85°C

0.5mm Pitch

529134

Pack Quantity =1		Price Each						
No. of Mftrs.	Ways	List No.	Order Code	1+	25+	50+	100+	500+
ZIF R/A top contact SMT								
10	52745-1096	978-6287	●	1.53	1.42	1.36	1.30	1.23
14	52745-1496	978-6295	● RL	1.98	1.87	1.69	1.53	1.40
16	52745-1696	978-6309	● RL	1.72	1.60	1.53	1.46	1.40
20	52745-2096	978-6317	● RL	2.10	1.96	1.87	1.79	1.70
30	524353072	978-6180	● RL	3.61	3.35	3.06	2.79	2.56
ZIF R/A bottom contact SMT								
10	52746-1070	978-6325	● RL	1.46	1.36	1.29	1.22	1.17
14	52746-1470	978-6333	● RL	1.70	1.58	1.51	1.44	1.38
16	52746-1670	978-6341	● RL	1.72	1.60	1.53	1.46	1.40
20	52746-2070	978-6350	● RL	2.24	2.09	2.00	1.91	1.83
30	52437-3072	978-6198	● RL	3.45	3.21	3.07	2.91	2.77
ZIF straight SMT								
10	525591072	978-6201	● RL	1.56	1.43	1.31	1.17	1.05
20	52559-2072	978-6210	● RL	2.43	1.83	1.38	1.26	1.07
30	52559-3072	978-6228	● RL	1.64	1.47	1.32	1.20	1.11

FPC Connector - FH19 Series

0.5mm Pitch



- Low profile 0.5mm Pitch FPC connectors
- Conductive traces on the PCB can run under the connector
- Proven Flip-Lock actuator system assures easy and reliable operation

● Accepts a 0.2mm and 0.3mm thick FPC

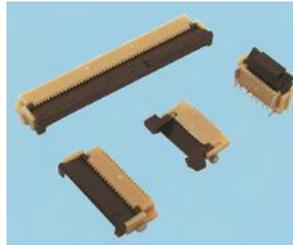
Contacts Phosphor Bronze Contact resistance 100mΩ max
 Plating Gold Flash Temperature range -55°C to +85°C
 Current Rating 0.5A Voltage Rating 50V

485899

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
FPC Thickness 0.2mm						
10	FH19C-10S-0.5SH(05)	142-5726	●	1.04	0.93	0.80
20	FH19C-20S-0.5SH(05)	142-5727	●	1.18	1.05	0.99
30	FH19C-30S-0.5SH(05)	142-5728	●	1.40	1.27	1.20
40	FH19C-40S-0.5SH(05)	142-5731	●	1.79	1.62	1.51
FPC Thickness 0.3mm						
5	FH19SC-5S-0.5SH(05)	142-5732	●	0.92	0.82	0.70
10	FH19SC-10S-0.5SH(05)	142-5733	●	1.04	0.93	0.80
12	FH19SC-12S-0.5SH(05)	142-5734	●	1.07	0.96	0.76
20	FH19SC-20S-0.5SH(05)	142-5735	●	1.30	1.16	0.90
22	FH19SC-22S-0.5SH(05)	142-5736	●	1.21	1.09	1.02
24	FH19SC-24S-0.5SH(05)	142-5737	●	1.40	1.28	0.99
26	FH19SC-26S-0.5SH(05)	142-5738	●	1.30	1.19	1.10
28	FH19SC-28S-0.5SH(05)	142-5739	●	1.51	1.38	1.06
30	FH19SC-30S-0.5SH(05)	142-5740	●	1.54	1.40	1.10
40	FH19SC-40S-0.5SH(05)	142-5741	●	1.97	1.78	1.38

FH12 FFC/FCP ZIF Connectors

0.5mm Pitch



- Flip lock only requires 6.9N of force to lock and saves board space as no side latch is required
- Standard horizontal connectors require only 2mm height above the board
- Excess solder cavity to avoid solder bridging

Current Rating 0.4A Insulation Material PPS
 Voltage rating AC 50V Contact Material Phosphor Bronze
 Contact Resistance <=50mohm Contact Plating Gold
 Insulation Resistance >=500Mohm Temperature Range -40°C to +70°C

456004

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
Horizontal, Bottom Contact						
6	FH12-6S-0.5SH(55)	SMD 132-4538	●	1.12	1.03	0.80
10	FH12-10S-0.5SH(55)	SMD 132-4540	●	1.22	1.12	0.89
11	FH12-11S-0.5SH(55)	SMD 132-4541	●	0.86	0.77	0.71
12	FH12-12S-0.5SH(55)	SMD 132-4542	●	1.30	1.17	0.93
13	FH12-13S-0.5SH(55)	SMD 132-4543	●	1.09	0.99	0.92
14	FH12-14S-0.5SH(55)	SMD 132-4544	●	0.93	0.85	0.77
15	FH12-15S-0.5SH(55)	SMD 132-4545	●	1.02	0.93	0.86
16	FH12-16S-0.5SH(55)	SMD 132-4546	●	0.98	0.88	0.81
18	FH12-18S-0.5SH(55)	SMD 132-4547	●	1.50	1.38	1.10
20	FH12-20S-0.5SH(55)	SMD 132-4549	●	1.57	1.43	1.15
22	FH12-22S-0.5SH(55)	SMD 132-4551	●	1.24	1.13	1.04
24	FH12-24S-0.5SH(55)	SMD 132-4552	●	1.84	1.63	1.25
26	FH12-26S-0.5SH(55)	SMD 132-4553	●	1.86	1.72	1.32
28	FH12-28S-0.5SH(55)	SMD 132-4554	●	1.69	1.56	1.41
30	FH12-30S-0.5SH(55)	SMD 132-4555	●	1.90	1.74	1.38
40	FH12-40S-0.5SH(55)	SMD 132-4556	●	2.44	2.05	1.57
50	FH12-50S-0.5SH(55)	SMD 132-4557	●	2.93	2.46	1.88
Horizontal, Bottom Contact with Strengthened Flip-Lock Actuator						
30	FH12S-30S-0.5SH(55)	SMD 132-4587	●	1.90	1.74	1.38
40	FH12S-40S-0.5SH(55)	SMD 132-4588	●	2.42	2.00	1.53
50	FH12S-50S-0.5SH(55)	SMD 132-4589	●	2.93	2.46	1.88
Horizontal, Top Contact						
10	FH12A-10S-0.5SH(55)	SMD 132-4558	●	0.97	0.89	0.80
12	FH12A-12S-0.5SH(55)	SMD 132-4559	●	0.71	0.65	0.59
15	FH12A-15S-0.5SH(55)	SMD 132-4560	●	0.77	0.71	0.66
16	FH12A-16S-0.5SH(55)	SMD 132-4562	●	0.81	0.74	0.67
18	FH12A-18S-0.5SH(55)	SMD 132-4563	●	1.27	1.15	0.90
20	FH12A-20S-0.5SH(55)	SMD 132-4564	●	1.22	1.12	0.89
24	FH12A-24S-0.5SH(55)	SMD 132-4565	●	1.43	1.31	1.03
26	FH12A-26S-0.5SH(55)	SMD 132-4566	●	1.36	1.25	1.15
28	FH12A-28S-0.5SH(55)	SMD 132-4567	●	1.42	1.30	1.20
30	FH12A-30S-0.5SH(55)	SMD 132-4568	●	1.15	1.04	0.97
40	FH12A-40S-0.5SH(55)	SMD 132-4569	●	2.15	1.81	1.39
50	FH12A-50S-0.5SH(55)	SMD 132-4570	●	2.65	2.24	1.71
Vertical, Bottom Contact						
10	FH12-10S-0.5SV(55)	SMD 132-4571	●	1.08	0.99	0.77
12	FH12-12S-0.5SV(55)	SMD 132-4572	●	1.34	1.12	0.86
13	FH12-13S-0.5SV(55)	SMD 132-4574	●	0.86	0.77	0.71
15	FH12-15S-0.5SV(55)	SMD 132-4575	●	0.92	0.82	0.76
16	FH12-16S-0.5SV(55)	SMD 132-4576	●	1.03	0.94	0.86
18	FH12-18S-0.5SV(55)	SMD 132-4577	●	1.46	1.32	1.06
20	FH12-20S-0.5SV(55)	SMD 132-4578	●	1.54	1.40	1.12
22	FH12-22S-0.5SV(55)	SMD 132-4579	●	1.25	1.14	1.04
24	FH12-24S-0.5SV(55)	SMD 132-4580	●	1.99	1.67	1.28
26	FH12-26S-0.5SV(55)	SMD 132-4581	●	1.40	1.26	1.16
30	FH12-30S-0.5SV(55)	SMD 132-4582	●	2.25	1.71	1.31
40	FH12-40S-0.5SV(55)	SMD 132-4583	●	2.65	2.24	1.71
50	FH12-50S-0.5SV(55)	SMD 132-4584	●	3.36	2.56	1.96

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0.5mm Pitch FFC/FPC Connectors - continued

FFC and FPC ZIF Connectors
FH28 Series



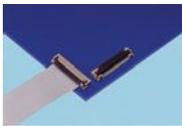
- Precise FFC/FPC positioning
- Rotating Actuator
- Restricted space applications
- Standard FFC/FPC thickness

Current Rating	0.5 A	Durability	20 cycles
Voltage Rating	50V AC	Contacts	Phosphor Bronze
Operating Temperature	-40°C to 85°C	Colour	Black

496482

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
20	FH28E-20S-0.5SH(05)	151-8740●	0.92	0.85	0.80	0.72
30	FH28E-30S-0.5SH(05)	151-8741●	1.00	0.94	0.87	0.80
40	FH28E-40S-0.5SH(05)	151-8742●	1.13	1.05	0.99	0.89
50	FH28E-50S-0.5SH(05)	151-8743●	1.19	1.12	1.04	0.96
60	FH28E-60S-0.5SH(05)	151-8745●	1.31	1.23	1.15	1.05
68	FH28E-68S-0.5SH(05)	151-8746●	1.47	1.37	1.29	1.18
80	FH28H-80S-0.5SH(05)	151-8747●	1.69	1.58	1.47	1.35

Easy-On™ FFC/FPC Connectors
0.5mm Pitch



- Accommodates 0.30mm thick FFC/FPC
- Cable Retention version prevents actuator from opening
- Metal solder tabs provide PCB hold-down and strain relief for SMT tails

Contacts	Phosphor Bronze	Contact resistance	20mΩ max
Plating	TIN BISMUTH OVER NICKEL	Temperature range	-20°C to +85°C

505658

Pack Quantity = 1				Price Each			
Ways	List No.	Order Code	5+	25+	50+	100+	500+
ZIF R/A bottom contact SMT							
8	52893-0895	155-6792●	0.59	0.56	0.50	0.45	0.42
10	52893-1095	155-6793●	0.64	0.61	0.56	0.49	0.46
12	52893-1295	155-6795●	0.76	0.71	0.65	0.58	0.55
14	52893-1495	155-6796●	0.81	0.76	0.68	0.61	0.58
15	52893-1595	156-6151●	0.84	0.80	0.71	0.63	0.60
16	52893-1695	155-6797●	0.88	0.82	0.73	0.65	0.62
18	52893-1895	155-6798●	0.94	0.89	0.80	0.70	0.66
20	52893-2095	155-6799●	1.00	0.95	0.85	0.75	0.70
24	52893-2495	155-6801●	1.07	1.02	0.92	0.82	0.76
30	52893-3095	155-6802●	1.15	1.09	0.99	0.89	0.83
ZIF R/A bottom contact SMT Cable Retention Guide							
8	52892-0895	155-6803●	0.67	0.64	0.58	0.52	0.49
10	52892-1095	155-6804●	0.70	0.67	0.60	0.54	0.51
12	52892-1295	155-6805●	0.80	0.73	0.67	0.60	0.56
14	52892-1495	155-6806●	0.86	0.82	0.71	0.64	0.60
15	52892-1595	156-6152●	0.87	0.83	0.73	0.65	0.61
16	52892-1695	155-6807●	0.91	0.86	0.79	0.68	0.64
18	52892-1895	155-6808●	0.95	0.91	0.82	0.71	0.67
20	52892-2095	155-6809●	1.02	0.97	0.88	0.79	0.71
30	52892-3095	155-6810●	1.20	1.14	1.03	0.93	0.87

FPC/FFC ZIF Right Angle SMT One-Touch-Flip Lock
0.5mm Pitch



AVX's 6288 series are FPC/FFC connectors designed for vibrative applications such as GPS and AV apparatus for automobile use, electronics for industrial and/or medical applications.

Features:-

- When connecting FPC/FFC with tabs, slanting insertion is prevented to ensure the connection and FPC/FFC retention force
- Simple finger operation
- Clicking feeling indicates locked and secure
- ZIF, Right Angle, Surface Mount, Bottom Contact

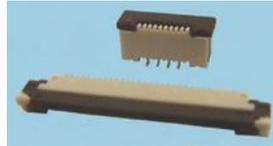
Specifications:-

Current Rating	0.4A	Voltage Rating	50V
Contact Plating	Gold	Contact Material	Phosphor Bronze
Insulator Material	Heat Resistance Plastic	Withstanding Voltage	200Vrms/min.
Profile Height	2mm	Applicable FPC Thickness	0.3mm
Operating Temp.	-40°C to 105°C		

528149

Mfrs. List No.	No. of Ways	Order Code	Price Each			
			10+	25+	50+	100+
04628808000846+	8	165-9854●	0.63	0.58	0.54	0.49
046288010000846+	10	165-9855●	0.64	0.59	0.55	0.50
046288012000846+	12	165-9857●	0.65	0.60	0.56	0.51
046288015000846+	15	165-9858●	0.82	0.74	0.71	0.63
046288020000846+	20	165-9859●	0.90	0.82	0.78	0.70
046288024000846+	24	165-9860●	0.97	0.89	0.83	0.76
046288026000846+	26	165-9861●	1.03	0.94	0.89	0.80
046288030000846+	30	165-9862●	1.15	1.05	0.99	0.89
046288032000846+	32	165-9863●	1.22	1.11	1.05	0.95
046288040000846+	40	165-9864●	1.33	1.22	1.15	1.04
046288050000846+	50	165-9865●	1.53	1.40	1.32	1.20
046288055000846+	55	165-9866●	1.69	1.53	1.45	1.31
046288060000846+	60	165-9867●	2.06	1.88	1.78	1.60

FPC Connector
0.5 mm Pitch



- 0.5mm Pitch
- Vertical and Right Angle Top and Bottom
- ZIF and Non-ZIF available

Contact Rating	1A
Dielectric Strength	500VDC
Working Voltage	50V

Mfrs. List No. 04 6239 XX ZIF Right Angle Bottom Contact. 04 6212 OXX ZIF Right Angle Top Contact. 04 6214 OXX Vertical 04 6222 1XX Non ZIF Where XX = No. of ways

477558

No. of Ways	Order Code	Price Each				
		5+	50+	100+	500+	1K+
Order Multiple=5						
ZIF Right Angle, Bottom Contact						
10	135-6569●	0.33	0.32	0.29	0.28	0.25
16	135-6570●	0.44	0.42	0.41	0.37	0.35
20	135-6571●	0.50	0.47	0.45	0.43	0.40
30	135-6573●	0.63	0.61	0.58	0.54	0.51
ZIF Right Angle, Top Contact						
10	135-6575●	0.29	0.28	0.27	0.25	0.23
16	135-6576●	0.41	0.40	0.37	0.35	0.33
20	135-6577●	0.46	0.45	0.43	0.41	0.37
25	135-6578●	0.52	0.50	0.47	0.45	0.42
30	135-6579●	0.55	0.53	0.51	0.47	0.44
ZIF Vertical						
10	135-6580●	0.38	0.36	0.35	0.33	0.30
16	135-6581●	0.52	0.50	0.47	0.45	0.42
20	135-6582●	0.58	0.55	0.53	0.50	0.46
25	135-6583●	0.67	0.63	0.61	0.56	0.53
30	135-6584●	0.72	0.69	0.65	0.62	0.58
Non-ZIF Right Angle, Bottom Contact						
10	135-6602●	0.35	0.34	0.33	0.30	0.28
16	135-6603●	0.38	0.36	0.35	0.33	0.30
20	135-6605●	0.50	0.47	0.45	0.43	0.40
25	135-6606●	0.46	0.45	0.43	0.41	0.37
30	135-6607●	0.50	0.47	0.45	0.43	0.40
Non-ZIF Right Angle, Top Contact						
10	135-6608●	0.38	0.36	0.35	0.33	0.30
16	135-6609●	0.50	0.47	0.45	0.43	0.40
20	135-6610●	0.61	0.58	0.55	0.52	0.49
30	135-6612●	0.74	0.71	0.69	0.64	0.60
Non-ZIF Vertical						
10	135-6613●	0.27	0.25	0.24	0.23	0.21
16	135-6614●	0.35	0.34	0.33	0.30	0.28
20	135-6615●	0.41	0.40	0.37	0.35	0.33
25	135-6617●	0.52	0.50	0.47	0.45	0.42

FFC Low Profile
XF2L 0.5mm Pitch



- Occupies smallest on-board area in the industry
- Low profile only 1.2mm max above the board
- Connector terminals on the lower surface are not exposed achieving high board design efficiency
- Secure Locking

Contacts	Copper Alloy	Contact Resistance	30 mR
Plating	Gold	Voltage Rating	50 AC
Current Rated	0.5 A	Operating Temperature	-30°C to 85°C

485591

No. of Ways	Mfrs. List No.	Order Code	Price Each		
			1+	50+	100+
10	XF2L-1035-1A	143-0928●	1.58	1.41	1.26
18	XF2L-1835-1A	143-0929●	1.06	0.94	0.85
22	XF2L-2235-1A	143-0930●	1.10	0.97	0.88
30	XF2L-3035-1A	143-0931●	1.13	1.01	0.90

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Rotary Backlock
XF2U 0.5mm Pitch



- Ultra-slim connector with a depth of 3.5mm
- Double sided contacts reduce number of parts
- Wide moulding wall on the bottom of the connector allows greater freedom in board design
- Gold plated with an applicable FPC thickness of 0.2mm

Contacts Plating	Copper Alloy Gold	Contact resistance	80mΩ max
Current Rating	0.5A	Temperature range	-30°C to +85°C
		Voltage Rating	50V

485593

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+
4	XF2U-0415-3A	143-0942●	1.26	1.12	1.01
11	XF2U-1115-3A	143-0943●	1.40	1.23	1.11
20	XF2U-2015-3A	143-0945●	1.46	1.30	1.17
30	XF2U-3015-3A	143-0946●	1.52	1.35	1.21
40	XF2U-4015-3A	143-0947●	1.58	1.41	1.26

ZIF Slide Type
XF2J 0.5mm Pitch



- Slider achieves secure locking
- Low-profile, protruding only 4.15mm on the PCB
- Adhesion face on top of the connector suits automatic mounting
- Both Standard and Reverse termination available

Contacts Plating	Copper Alloy Gold	Contact resistance	30mΩ max
Rated Current	0.5	Temperature range	-30°C to +85°C
		Rated Voltage	50 V AC

485592

Pack Quantity = 1					
No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+
Standard Terminal					
6	XF2J-0624-11A	143-0935●	0.64	0.57	0.51
12	XF2J-1224-11A	143-0936●	0.93	0.72	0.61
20	XF2J-2024-11A	143-0937●	1.66	1.31	1.11
30	XF2J-3024-11A	143-0938●	1.81	1.41	1.20
Reverse Terminal					
6	XF2J-0624-12A	143-0939●	1.08	0.96	0.86
12	XF2J-1224-12A	143-0940●	1.14	1.01	0.91
20	XF2J-2024-12A	143-0941●	1.34	1.18	1.07

FPC Connectors - XF2M Series
0.5mm ZIF, Rotary Backlock type



- Unique rear locking improves efficiency during FPC mounting
- Double sided contact structure for reduced component size
- Ideal for space-sensitive applications
- Applicable FPC thickness is 0.3mm

Contact rating	0.5A	Housing	LCP Resin, Natural
Voltage rating	50V dc	Slider	LCP Resin, Black
Contact Resistance	40mΩ(max)	Contacts	Gold Plated
Insulation resistance	100Mohm (at 250V DC)		

422870

Order Multiple = 5						
No. of Ways	Mfrs. List No.	Order Code	5+	25+	50+	100+
10	XF2M10151A	111-2555●	0.76	0.70	0.62	0.56
20	XF2M20151A	111-2558●	0.93	0.88	0.79	0.71
24	XF2M24151A	111-2559●	1.11	1.02	0.86	0.78
30	XF2M30151A	111-2560●	1.28	1.12	0.96	0.86
35	XF2M35151A	111-2561●	1.40	1.30	1.18	1.06
40	XF2M40151A	111-2562●	1.50	1.40	1.21	1.09
45	XF2M45151A	111-2563●	1.69	1.56	1.33	1.20
50	XF2M50151A	111-2564●	1.72	1.61	1.43	1.28

FPC/FFC Connectors - Low Profile
0.5mm Pitch



Bottom Contact



Top Contact



- Surface Mount
- Top & Bottom contacts available
- Low Profile Height - 1.2mm
- Flammability Rating - UL94V-0
- Operating Temperature- -25°C to 85°C



Current Rating	0.5A	Voltage Rating	50V AC/DC	Contact Material	Phosphor Bronze	Contact Plating	Tin	Insulator Material	High Temp. Plastic (Nylon 46)
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527899

No. of Ways	Order Code	10+	25+	50+	100+	250+
Bottom Contact						
10	166-1208●	0.54	0.49	0.45	0.40	0.37
14	166-1209●	0.64	0.58	0.53	0.47	0.44
18	166-1210●	0.82	0.74	0.68	0.61	0.56
20	166-1211●	0.91	0.83	0.76	0.67	0.63
24	166-1212●	1.04	0.95	0.88	0.77	0.73
28	166-1213●	1.11	1.02	0.94	0.85	0.80
30	166-1214●	1.19	1.09	1.01	0.91	0.85
40	166-1215●	1.46	1.35	1.26	1.13	1.07
50	166-1216●	1.82	1.68	1.57	1.43	1.34
Top Contact						
10	166-1217●	0.54	0.49	0.45	0.40	0.37
14	166-1219●	0.64	0.58	0.53	0.47	0.44
18	166-1221●	0.82	0.74	0.68	0.61	0.56
20	166-1222●	0.91	0.83	0.76	0.67	0.63
24	166-1223●	1.04	0.95	0.88	0.77	0.73
28	166-1224●	1.11	1.02	0.94	0.85	0.80
30	166-1225●	1.19	1.09	1.01	0.91	0.85
40	166-1226●	1.46	1.35	1.26	1.13	1.07
50	166-1227●	1.82	1.68	1.57	1.43	1.34

1.0mm - 1.25mm Pitch FFC/FPC Connectors



FPC Connector

1.0 mm Pitch



- 1.0mm Pitch
- Top and Bottom contact options
- ZIF and Non-ZIF available

Contact Rating	1A
Dielectric Strength	500VDC
Working Voltage	50V

Mfrs. List No. 00 6200 5XX ZIF Right Angle Bottom Contact. 08 6224 0XX ZIF Right Angle Top Contact. 00 6208 5XX Vertical 04 6232 1XX Non ZIF Where XX = No. of ways

474889

Order Multiple = 5						
No. of Ways	Order Code	5+	50+	100+	500+	1K+
ZIF Right Angle, Bottom Contact						
10	SMD135-6553●	0.520	0.500	0.470	0.450	0.420
16	SMD135-6554●	0.380	0.360	0.350	0.330	0.300
20	SMD135-6555●	0.740	0.710	0.690	0.640	0.600
25	SMD135-6556●	0.580	0.550	0.530	0.500	0.460
30	SMD135-6557●	0.610	0.580	0.550	0.520	0.490
ZIF Right Angle, Top Contact						
10	SMD135-6558●	0.440	0.420	0.410	0.370	0.350
16	SMD135-6559●	0.500	0.470	0.450	0.430	0.400
20	SMD135-6560●	0.520	0.500	0.470	0.450	0.420
25	SMD135-6561●	0.610	0.580	0.550	0.520	0.490
30	SMD135-6563●	0.670	0.630	0.610	0.560	0.530
ZIF Vertical						
10	SMD135-6564●	0.550	0.530	0.510	0.470	0.440
16	SMD135-6565●	0.610	0.580	0.550	0.520	0.490
20	SMD135-6566●	0.780	0.740	0.710	0.670	0.620
25	SMD135-6567●	0.720	0.690	0.650	0.620	0.580
30	SMD135-6568●	1.020	0.970	0.930	0.870	0.800
Non-ZIF Right Angle, Bottom Contact						
10	SMD135-6585●	0.210	0.195	0.184	0.173	0.161
16	SMD135-6587●	0.230	0.220	0.210	0.194	0.184
20	SMD135-6588●	0.270	0.250	0.240	0.230	0.210
25	SMD135-6589●	0.350	0.340	0.330	0.300	0.280
30	SMD135-6590●	0.380	0.360	0.350	0.330	0.300
Non-ZIF Right Angle, Top Contact						
10	SMD135-6591●	0.210	0.195	0.184	0.173	0.161
16	SMD135-6592●	0.230	0.220	0.210	0.194	0.184
20	SMD135-6593●	0.270	0.250	0.240	0.230	0.210
25	SMD135-6594●	0.350	0.340	0.330	0.300	0.280
30	SMD135-6595●	0.380	0.360	0.350	0.330	0.300
Non-ZIF Vertical						
10	SMD135-6596●	0.173	0.163	0.156	0.147	0.138
16	SMD135-6597●	0.210	0.195	0.184	0.173	0.161
20	SMD135-6599●	0.270	0.250	0.240	0.230	0.210
25	SMD135-6600●	0.330	0.320	0.290	0.280	0.250
30	SMD135-6601●	0.330	0.320	0.290	0.280	0.250

PCB to Cable connectors



FI-X Series 1.00mm Pitch



- Compatible with high speed differential transmission and high level impedance matching (90 to 100 Ω)
- FPC provides stable grounding to the PCB

Current Rating	1A	Operating Temperature	-40°C to 80°C
Insulation Resistance	100 MΩ	Voltage Rating	200 AC



1.0mm - 1.25mm Pitch FFC/FPC Connectors - continued

PCB to Cable connectors - continued

FI-X Series 1.00mm Pitch - continued

Description	Mfrs. List No.	Order Code	Price Each		
			1+	50+	250+
LVDS R/A Header 30 with Latch Socket	FI-X30SSL-HF	151-9725	3.74	3.30	3.09
30	FI-X30H	151-9730	1.48	1.31	1.22
30 with Latch Kit Assembly	FI-X30HL	151-9731	2.21	1.96	1.84
30	C2781-FI-X30H-KITASSY-300MM	151-9717	20.27	17.93	16.75
30 with Latch	C2781-FI-X30HL-KITASSY-300MM	151-9716	21.01	18.58	17.37

49722

**FMS Connector
1mm Pitch**



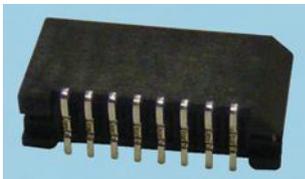
- Compact, 2mm height
- Double Sided Contact
- Simple Snap-In Action
- SMT Configuration to reinforce PCB mounting

Current Rating	0.5A ac/dc	Contact Resistance	20m Ω
Voltage Rating	50V ac/dc	Insulation Resistance	800M Ω
Withstanding Voltage	500V/1min.		
Housing	PPS		
Contacts	Phosphor Bronze, Tin Plated		
Temperature Range	-25°C to 85°C		

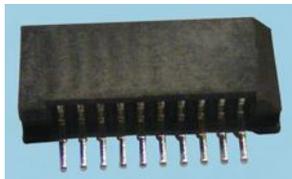
494170

Order Multiple=5		Order Code	Price Each			
No. of Mfrs. Ways	List No.		5+	50+	100+	500+
6	06FMS-1.0SP-TF(LF)(SN)	151-6196	0.47	0.41	0.39	0.35
8	08FMS-1.0SP-TF(LF)(SN)	151-6197	0.53	0.48	0.45	0.39
10	10FMS-1.0SP-TF(LF)(SN)	151-6198	0.62	0.56	0.52	0.47
12	12FMS-1.0SP-TF(LF)(SN)	151-6199	0.69	0.62	0.58	0.51
14	14FMS-1.0SP-TF(LF)(SN)	151-6200	0.75	0.68	0.63	0.57

**FPC/FFC SMD Vertical & Horizontal Entry
1.0mm Pitch**



Vertical Entry



Horizontal Entry

- Surface Mount
- Vertical & Horizontal entry available
- Profile Height - 2.8mm
- Flammability Rating - UL94V-0
- Operating Temperature- -25°C to 105°C



Current Rating	1A	Voltage Rating	100V AC/DC	Contact Material	Phosphor Bronze	Contact Plating	Tin	Insulator Material	High Temp. Plastic (Nylon 6T)
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527901

No. of Ways	Order Code	Price Each				
		10+	25+	50+	100+	250+
Vertical Entry						
6	166-1228	0.35	0.30	0.27	0.26	0.24
8	166-1229	0.36	0.31	0.29	0.28	0.26
10	166-1230	0.38	0.36	0.34	0.31	0.30
14	166-1232	0.43	0.42	0.39	0.37	0.36
16	166-1233	0.47	0.46	0.44	0.43	0.40
20	166-1234	0.52	0.51	0.49	0.47	0.45
26	166-1235	0.61	0.60	0.57	0.55	0.53
Horizontal Entry						
6	166-1236	0.35	0.30	0.27	0.26	0.24
8	166-1237	0.36	0.31	0.29	0.28	0.26
10	166-1238	0.38	0.36	0.34	0.31	0.30
14	166-1239	0.43	0.42	0.39	0.37	0.36
16	166-1240	0.47	0.46	0.44	0.43	0.40
20	166-1241	0.52	0.51	0.49	0.47	0.45
26	166-1242	0.61	0.60	0.57	0.55	0.53

**FPC/FFC Ziff SMD Vertical Entry
1223-01A Series - 1.0mm Pitch**



- Flammability Rating - UL94V-0
- Operating Temperature- -25°C to 105°C



Current Rating 1A	Voltage Rating 100V AC/DC	Contact Material Copper Alloy	Contact Plating Tin	Insulator Material High Temp. Plastic	Price Each					
					10+	25+	50+	100+	250+	
No. of Ways										
6	166-1244	0.35	0.30	0.27	0.26	0.24				
8	166-1245	0.36	0.31	0.29	0.28	0.26				
10	166-1246	0.38	0.36	0.34	0.31	0.30				
14	166-1247	0.43	0.42	0.39	0.37	0.36				
16	166-1248	0.47	0.46	0.44	0.43	0.40				
20	166-1249	0.52	0.51	0.49	0.47	0.45				
26	166-1250	0.61	0.60	0.57	0.55	0.53				

527910

**FPC/FFC SMD Side Entry Top & Bottom Contact
1.0mm Pitch**



Bottom Contact



Top Contact

- Surface Mount
- Side Entry
- Metal Ears
- Bottom and Top contacts available
- Pitch - 1.0mm
- Flammability Rating - UL94V-0
- Operating Temperature - 25°C to 105°C

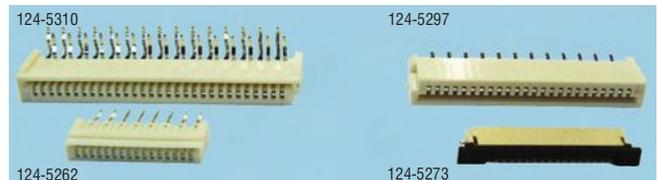


Current Rating 1A	Voltage Rating 100V AC/DC	Contact Material Phosphor Bronze Copper Alloy	Contact Plating Tin	Insulator Material High Temp. Plastic	Price Each					
					10+	25+	50+	100+	250+	
No. of Ways										
Profile Height - 4.05mm										
6	166-1251	0.35	0.30	0.27	0.26	0.24				
8	166-1252	0.36	0.31	0.29	0.28	0.26				
10	166-1253	0.38	0.36	0.34	0.31	0.30				
14	166-1254	0.43	0.42	0.39	0.37	0.36				
16	166-1256	0.47	0.46	0.44	0.43	0.40				
20	166-1257	0.52	0.51	0.49	0.47	0.45				
26	166-1258	0.61	0.60	0.57	0.55	0.53				
Top Contact										
6	166-1259	0.35	0.30	0.27	0.26	0.24				
8	166-1260	0.36	0.31	0.29	0.28	0.26				
10	166-1261	0.38	0.36	0.34	0.31	0.30				
14	166-1262	0.43	0.42	0.39	0.37	0.36				
16	166-1263	0.47	0.46	0.44	0.43	0.40				
20	166-1264	0.52	0.51	0.49	0.47	0.45				
26	166-1265	0.61	0.60	0.57	0.55	0.53				

527919

- Top and bottom contact options
- ZIF and non-ZIF versions

**FFC/FFC Connectors
1.0mm/1.25mm Pitch**



- Top and bottom contact options
- ZIF and non-ZIF versions

1.0mm Pitch - Tin plated contacts

Order Multiple=5		Order Code	Price Each				
No. of Mfrs. Ways	List No.		5+	50+	100+	500+	1K+
ZIF R/A top contact SMT							
4	84953-4	124-5278	0.29	0.26	0.25	0.24	0.23
6	84953-6	124-5279	0.36	0.32	0.31	0.29	0.27
8	84953-8	124-5280	0.37	0.33	0.31	0.30	0.29
10	1-84953-0	124-5281	0.38	0.34	0.32	0.31	0.30
14	1-84953-4	124-5282	0.43	0.38	0.37	0.35	0.33
16	1-84953-6	124-5283	0.46	0.41	0.40	0.38	0.36
20	2-84953-0	124-5285	0.49	0.44	0.42	0.40	0.38
24	2-84953-4	124-5286	0.56	0.50	0.47	0.45	0.43
26	2-84953-6	124-5287	0.58	0.51	0.49	0.47	0.45
30	3-84953-0	124-5288	0.63	0.56	0.54	0.51	0.49

Order Multiple=5				Price Each				
No. of Mfrs.	Ways List No.	Order Code	5+	50+	100+	500+	1K+	
ZIF R/A bottom contact SMT								
4	84952-4	124-5267● RL	0.29	0.26	0.25	0.24	0.23	
6	84952-6	124-5268● RL	0.36	0.32	0.31	0.29	0.27	
8	84952-8	124-5269● RL	0.37	0.33	0.31	0.30	0.28	
10	1-84952-0	124-5270● RL	0.38	0.34	0.32	0.31	0.29	
14	1-84952-4	124-5271● RL	0.43	0.38	0.37	0.35	0.34	
16	1-84952-6	124-5273● RL	0.46	0.41	0.40	0.38	0.36	
20	2-84952-0	124-5274● RL	0.49	0.44	0.42	0.40	0.38	
24	2-84952-4	124-5275● RL	0.56	0.50	0.47	0.45	0.43	
26	2-84952-6	124-5276● RL	0.58	—	—	—	—	
30	3-84952-0	124-5277● RL	0.63	0.56	0.54	0.51	0.49	
Non-ZIF straight through hole								
4	84984-4	124-5255●	0.39	0.38	0.35	0.32	0.31	
6	84984-6	124-5256●	0.41	0.38	0.37	0.36	0.34	
8	84984-8	124-5257●	0.42	0.40	0.39	0.37	0.35	
10	1-84984-0	124-5258●	0.49	0.47	0.45	0.44	0.41	
14	1-84984-4	124-5261●	0.53	0.48	0.46	0.44	0.42	
16	1-84984-6	124-5262●	0.53	0.50	0.49	0.47	0.45	
20	2-84984-0	124-5263●	0.61	0.57	0.54	0.52	0.50	
24	2-84984-4	124-5264●	0.67	0.62	0.59	0.57	0.53	
26	2-84984-6	124-5265●	0.70	0.66	0.62	0.59	0.55	
30	3-84984-0	124-5266●	0.75	0.71	0.68	0.66	0.62	

Pack Quantity =1				Price Each				
No. of Mfrs.	Ways List No.	Order Code	1+	10+	50+	100+	500+	
ZIF R/A top contact SMT								
20	52207-2085	107-9944● RL	1.51	1.40	1.21	1.09	0.89	
22	52207-2285	107-9945● RL	1.62	1.30	1.18	1.14	1.06	
24	52207-2485	107-9946● RL	1.78	1.58	1.37	1.24	1.00	
26	52207-2685	107-9947● RL	1.88	1.66	1.44	1.30	1.06	
30	52207-3085	107-9949● RL	2.23	1.79	1.62	1.57	1.45	
ZIF straight SMT								
6	52610-0671	107-9958● RL	1.19	0.95	0.83	0.74	0.61	
8	526100871	107-9959● RL	1.43	1.15	1.05	1.01	0.94	
10	52610-1071	978-6236● RL	1.28	1.20	1.14	1.09	1.05	
12	526101271	107-9960● RL	1.82	1.48	1.33	1.29	1.20	
14	526101471	107-9961● RL	1.92	1.54	1.38	1.33	1.24	
16	526101671	107-9962● RL	2.21	1.78	1.53	1.48	1.37	
20	526102071	978-6252● RL	2.02	1.91	1.83	1.74	1.68	
22	52610-2271	107-9963● RL	2.73	2.19	1.91	1.72	1.40	
24	52610-2471	107-9964● RL	2.92	2.34	2.03	1.83	1.49	
26	52610-2671	978-6260● RL	2.64	2.49	2.37	2.28	2.17	
30	52610-3071	978-6279● RL	2.70	2.64	2.59	2.55	2.50	

1.25mm Pitch

529135

1.25mm Pitch - Tin plated contacts

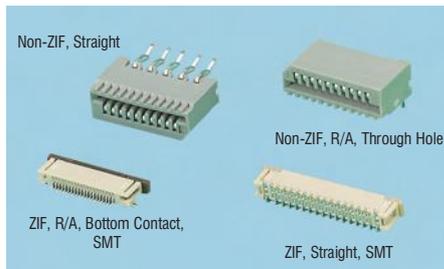
529133

Order Multiple=5				Price Each				
No. of Mfrs.	Ways List No.	Order Code	5+	50+	100+	500+	1K+	
Non-ZIF straight through hole								
4	84534-4	124-5289●	0.28	0.25	0.24	0.23	0.21	
6	84534-6	124-5290●	0.32	0.30	0.28	0.26	0.24	
8	84534-8	124-5291●	0.37	0.33	0.31	0.30	0.28	
10	1-84534-0	124-5292●	0.38	0.34	0.32	0.31	0.29	
14	1-84534-4	124-5293●	0.41	0.36	0.35	0.33	0.31	
16	1-84534-6	124-5294●	0.44	0.39	0.38	0.36	0.34	
20	2-84534-0	124-5295●	0.49	0.44	0.42	0.40	0.38	
24	2-84534-4	124-5297●	0.53	0.48	0.46	0.44	0.42	
26	2-84534-6	124-5298●	0.55	0.49	0.47	0.45	0.43	
30	3-84534-0	124-5299●	0.60	0.53	0.51	0.49	0.47	
Non-ZIF R/A top contact through hole								
4	84533-4	124-5300●	0.28	0.25	0.24	0.23	0.21	
6	84533-6	124-5301●	0.32	0.30	0.28	0.26	0.24	
8	84533-8	124-5303●	0.35	0.31	0.30	0.29	0.27	
10	1-84533-0	124-5304●	0.34	0.33	0.31	0.30	0.28	
14	1-84533-4	124-5305●	0.43	0.38	0.37	0.35	0.33	
16	1-84533-6	124-5306●	0.44	0.39	0.38	0.36	0.34	
20	2-84533-0	124-5307●	0.49	0.44	0.42	0.40	0.38	
24	2-84533-4	124-5308●	0.53	0.48	0.46	0.44	0.42	
26	2-84533-6	124-5309●	0.55	0.49	0.47	0.45	0.43	
30	3-84533-0	124-5310●	0.60	0.53	0.51	0.49	0.47	

Pack Quantity =1				Price Each				
No. of Mfrs.	Ways List No.	Order Code	1+	25+	50+	100+	500+	
ZIF R/A through hole								
4	39-53-2044	978-5957●	0.410	0.380	0.350	0.330	0.290	
6	39-53-2064	978-5973●	0.540	0.490	0.470	0.450	0.430	
8	39-53-2084	978-5990●	0.670	0.600	0.560	0.490	0.460	
10	39532104	978-6015●	0.840	0.780	0.690	0.630	0.580	
14	39-53-2144	978-6031●	1.050	0.970	0.890	0.830	0.720	
16	39-53-2164	978-6058●	1.040	0.980	0.880	0.820	0.720	
20	39-53-2204	978-6074●	1.400	1.240	1.150	1.060	1.000	
30	39532304	978-6082●	1.970	1.770	1.660	1.530	1.410	
ZIF straight through hole								
4	39-53-2045	978-5965●	0.390	0.360	0.340	0.330	0.290	
6	39-53-2065	978-5981●	0.490	0.460	0.420	0.380	0.360	
8	39-53-2085	978-6007●	0.600	0.560	0.500	0.460	0.420	
10	39532105	978-6023●	0.650	0.610	0.590	0.560	0.540	
14	39532145	978-6040●	0.970	0.870	0.820	0.720	0.650	
16	39532165	978-6066●	1.080	1.020	0.890	0.830	0.760	
Non-ZIF R/A through hole								
4	52044-0445	101-2177●	0.390	0.350	0.330	0.300	0.240	
8	52044-0845	101-2178●	0.260	0.220	0.200	0.186	0.174	
14	52044-1445	101-2179●	0.730	0.660	0.580	0.530	0.480	
16	52044-1645	101-2180●	0.630	0.560	0.510	0.460	0.430	
20	52044-2045	101-2181●	0.770	0.750	0.600	0.550	0.510	
Non-ZIF straight								
6	52045-0645	101-2182●	0.370	0.330	0.300	0.250	0.240	
14	52045-1445	101-2183●	0.420	0.370	0.350	0.310	0.290	
16	52045-1645	101-2184●	0.400	0.370	0.310	0.290	0.270	
30	52045-3045	101-2185●	0.990	0.870	0.790	0.700	0.650	

FFC/FPC Connectors

1.0mm/1.25mm/ Pitch



- Top and bottom contact options
- Accommodates 0.3mm to 0.1mm FFC/FPC
- ZIF versions with secondary actuator
- Gas tight contact interface to the circuit

Contacts: Phosphor Bronze, Tin
 Contact resistance: 20mΩ max
 Temperature range: -30°C to +85°C

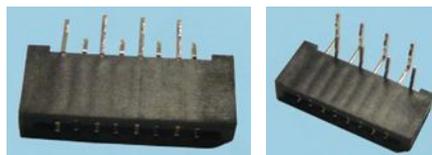
1.0mm Pitch

Pack Quantity =1				Price Each				
No. of Mfrs.	Ways List No.	Order Code	1+	10+	50+	100+	500+	
ZIF R/A bottom contact SMT								
6	52271-0679	107-9950● RL	0.60	0.54	0.52	0.50	0.48	
8	52271-0879	107-9951● RL	0.82	0.76	0.72	0.70	0.67	
10	52271-1079	978-6120● RL	0.87	0.84	0.80	0.76	0.72	
12	52271-1279	107-9952● RL	1.05	0.97	0.93	0.89	0.85	
14	52271-1479	978-6139● RL	1.07	1.01	0.96	0.91	0.87	
16	52271-1679	978-6147● RL	1.10	1.03	0.98	0.94	0.90	
20	52271-2079	978-6163● RL	1.27	1.17	1.12	1.08	1.04	
22	52271-2279	107-9953● RL	1.12	1.06	1.01	0.97	0.91	
24	52271-2479	107-9954● RL	1.19	1.12	1.07	1.03	0.98	
26	52271-2679	978-6171●	1.20	1.12	1.08	1.03	0.99	
30	52271-3079	107-9957● RL	1.66	1.56	1.50	1.43	1.38	
ZIF R/A top contact SMT								
6	522070685	107-9936● RL	0.80	0.64	0.57	0.56	0.51	
8	522070885	107-9937● RL	0.85	0.68	0.61	0.59	0.54	
10	52207-1085	107-9938● RL	0.99	0.80	0.69	0.62	0.51	
12	522071285	107-9939● RL	1.19	0.89	0.80	0.78	0.72	
14	52207-1485	107-9940● RL	1.27	1.06	0.92	0.83	0.67	
16	52207-1685	107-9941● RL	1.38	1.18	1.02	0.92	0.75	
18	52207-1885	107-9942● RL	1.49	1.29	1.12	1.01	0.82	

FPC/FFC Vertical & Right Angle Double Contacts



1.25mm Pitch



Vertical Right Angle



- Orientation - Vertical or Right Angle
- Pitch - 1.25mm
- Flammability Rating - UL94V-0
- Operating Temperature - 25°C to 85°C

Current Rating: 1A
 Voltage Rating: 200V AC/DC
 Contact Material: Copper Alloy
 Contact Plating: Tin
 Insulator Material: High Temp. Plastic

527927

No. of Ways	Order Code	10+	25+	50+	100+	250+
Vertical						
4	166-1266●	0.28	0.26	0.24	0.21	0.20
6	166-1268●	0.36	0.33	0.29	0.27	0.25
8	166-1269●	0.48	0.43	0.39	0.36	0.34
10	166-1270●	0.60	0.54	0.49	0.45	0.42
14	166-1271●	0.71	0.64	0.58	0.53	0.49
Right Angle						
4	166-1272●	0.28	0.26	0.24	0.21	0.20
6	166-1273●	0.36	0.33			

Flat Flexible Cable

Premo-Flex™ Jumper
0.5mm Pitch for FFC/FPC Connectors



- Allows a light and small planar structure to accommodate a high density wiring solution
- Single connector interface eliminates crimping of connector on ends of cable
- Premo-Flex™ can be folded and will retain shape providing flexibility and reliability
- Replaces flat cable and wire harnesses saving space and cost
- FFC products allow a high temperature environment up to 105 degree C to meet Industry Standard requirements.

494747

No. of Ways	Length	Mftrs. List No.	Order Code	Price Each		
				1+	50+	100+
Type A						
6	152	98266-0061	151-9822●	0.66	0.63	0.57
8	152	98266-0083	151-9823●	0.66	0.63	0.57
10	152	98266-0105	151-9824●	0.80	0.77	0.68
12	152	98266-0127	151-9825●	0.82	0.78	0.69
16	152	98266-0171	151-9828●	0.86	0.82	0.73
18	152	98266-0193	151-9829●	1.07	1.02	0.93
20	152	98266-0215	151-9830●	1.07	1.02	0.93
24	152	98266-0259	151-9831●	1.09	1.04	0.95
26	152	98266-0281	151-9832●	1.49	1.42	1.30
30	152	98266-0325	151-9833●	1.49	1.42	1.30
32	152	98266-0347	151-9834●	1.49	1.42	1.30
40	152	98266-0435	151-9835●	1.62	1.54	1.40
50	152	98266-0545	151-9836●	1.94	1.84	1.66
Type D						
6	152	98266-0062	151-9837●	0.66	0.63	0.57
8	152	98266-0084	151-9838●	0.66	0.63	0.57
10	152	98266-0106	151-9841●	0.80	0.77	0.68
12	152	98266-0128	151-9842●	0.82	0.78	0.69
14	152	98266-0150	151-9843●	0.86	0.82	0.73
16	152	98266-0172	151-9844●	0.86	0.82	0.73
18	152	98266-0194	151-9845●	1.07	1.02	0.93
20	152	98266-0216	151-9846●	1.07	1.02	0.93
24	152	98266-0260	151-9847●	1.09	1.04	0.95
26	152	98266-0282	151-9848●	1.49	1.42	1.30
30	152	98266-0326	151-9849●	1.49	1.42	1.30
32	127	98266-0346	151-9850●	1.49	1.42	1.30
40	152	98266-0436	151-9851●	1.62	1.54	1.40
50	152	98266-0546	151-9853●	1.94	1.84	1.66

Premo-Flex™ Jumper
1mm Pitch for FFC/FPC Connectors



- Allows a light and small planar structure to accommodate a high density wiring solution
- Single connector interface eliminates crimping of connector on ends of cable
- Premo-Flex™ can be folded and will retain shape providing flexibility and reliability
- Replaces flat cable and wire harnesses saving space and cost
- FFC products allow a high temperature environment up to 105 degree C to meet Industry Standard requirements.
- Type A, contacts on the same side

Length	152mm / 6"	Operating temperature	-40°C to +105°C
Current Rating	1.2	Max. Voltage	60V

418125

No. of Ways	Mftrs. List No.	Order Code	Price Each		
			1+	50+	100+
6	98267-0211	107-9966●	0.72	0.68	0.64
8	98267-0233	107-9968●	0.79	0.72	0.65
10	98267-0255	107-9969●	0.91	0.84	0.80
12	98267-0277	107-9970●	0.91	0.84	0.80
14	98267-0299	107-9971●	0.97	0.90	0.86
16	98267-0321	107-9972●	1.01	0.94	0.91
18	98267-0343	107-9973●	1.11	1.04	1.02
20	98267-0365	107-9974●	1.13	1.05	1.01
22	98267-0387	107-9975●	0.93	0.85	0.83
24	98267-0409	107-9976●	1.41	1.32	1.24
26	98267-0431	107-9977●	1.50	1.39	1.33
28	98267-0453	107-9978●	1.52	1.40	1.34
30	98267-0475	107-9981●	1.54	1.43	1.37

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Flat Flexible Cable
0.5mm, 1.0mm and 1.25mm Pitch



- Flat flexible cable for use with FFC/ FCP range of connectors
- Reinforcing tape bonded to underside of cable to ensure easy and accurate insertion into the connector
- Overall length 210mm

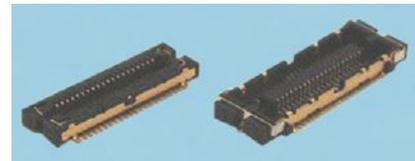
Insulation Material	Polyester (Flame Resistant)	Max operating temperature	80°C
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209525

No. of Ways	Order Code	Price Each				
		1+	25+	50+	100+	250+
0.5mm Pitch						
10	145-5401●	2.04	1.86	1.75	1.60	1.58
14	145-5402●	2.13	1.93	1.84	1.68	1.62
16	145-5403●	2.42	2.28	2.11	1.99	1.89
20	145-5404●	2.52	2.26	2.19	2.05	1.96
24	145-5405●	2.68	2.42	2.24	2.00	1.90
30	145-5406●	2.70	2.52	2.39	2.19	2.07
35	145-5407●	3.33	3.11	2.99	2.59	2.46
40	145-5408●	4.48	3.95	3.62	3.21	3.10
45	145-5409●	4.80	4.49	3.76	3.34	3.19
50	145-5410●	5.00	4.58	4.05	3.49	3.30
1mm Pitch						
10	145-5411●	1.01	0.94	0.89	0.78	0.73
14	145-5413●	1.11	1.04	1.02	0.93	0.88
16	145-5415●	1.24	1.18	1.14	1.06	1.05
20	145-5416●	1.32	1.23	1.20	1.14	1.12
26	145-5417●	1.61	1.55	1.52	1.43	1.38
30	145-5418●	2.23	2.16	2.11	1.93	1.85
1.25mm Pitch						
4	145-5419●	0.58	0.52	0.51	0.46	0.43
6	145-5420●	0.60	0.58	0.55	0.51	0.47
8	145-5421●	0.71	0.65	0.63	0.57	0.53
10	145-5422●	0.77	0.70	0.69	0.64	0.59
14	145-5423●	1.05	0.95	0.90	0.83	0.78
16	145-5425●	1.16	1.08	1.04	0.97	0.89
20	145-5426●	1.81	1.67	1.61	1.50	1.43
30	145-5427●	2.02	1.83	1.77	1.63	1.55
40	145-5428●	2.67	2.59	2.49	2.41	2.34

0.4mm - 0.64mm Pitch (SMT)

FX12B Board to Board Connectors with Dual Shields
0.4mm Pitch



- Dual Shields -shield plates in plugs and receptacles give 360° protection
- 1.5mm stacking height
- Built-in self-alignment
- Consistent mated retention force across different sizes
- Positive 'click' when fully mated
- Solder wicking prevention from nickel plating barrier on contacts
- Vacuum pick-up area to enable automatic mounting

Current Rating	0.3A	Insulation Material	Polyamide
Voltage rating AC	30V	Contact Material	Phosphor Bronze
Contact Resistance	≤100mohm	Contact Plating	Gold
Insulation Resistance	≥50Mohm	Temperature Range	-55°C to +85°C

455954

No. of Ways	Mftrs. List No.	Order Code	Price Each		
			1+	10+	100+
Receptacle					
24	FX12B-24S-0.4SV	SMD 132-4704●	0.76	0.67	0.61
40	FX12B-40S-0.4SV	SMD 132-4707●	0.92	0.81	0.72
60	FX12B-60S-0.4SV	SMD 132-4709●	1.18	1.04	0.94
Plug					
24	FX12B-24P-0.4SV	SMD 132-4703●	0.76	0.67	0.61
40	FX12B-40P-0.4SV	SMD 132-4705●	1.34	1.05	0.83
60	FX12B-60P-0.4SV	SMD 132-4708●	1.23	1.10	0.98

Headers and Sockets
0.4 mm Pitch



- 0.4mm Pitch
- 0.8, 1.0 and 1.5mm Heights available

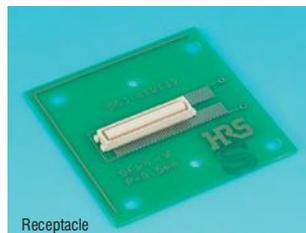


Mfrs. List No. 1.5mm = 14 5602 OXX Header. 24 5602 OXX Socket. 1.0mm = 14 5805 OXX Header. 24 5805 OXX Socket. 0.8mm = 14 5801 OXX Header. 24 5801 OXX Socket. 14 5801 OXX Where XX = No. of ways

477584

Order Multiple=5						
No. of Ways	Order Code	5+	50+	100+	500+	1K+
Header Height 0.8mm						
20	135-6648	0.29	0.28	0.27	0.25	0.23
30	135-6649	0.38	0.36	0.35	0.33	0.30
40	135-6650	0.44	0.42	0.41	0.37	0.35
50	135-6651	0.52	0.50	0.47	0.45	0.42
Header Height 1.0mm						
10	135-6632	0.27	0.25	0.24	0.23	0.21
16	135-6633	0.27	0.25	0.24	0.23	0.21
20	135-6634	0.27	0.25	0.24	0.23	0.21
30	135-6635	0.33	0.32	0.29	0.28	0.25
40	135-6636	0.38	0.36	0.35	0.33	0.30
50	135-6637	0.46	0.45	0.43	0.41	0.37
60	135-6638	0.52	0.50	0.47	0.45	0.42
Header Height 1.5mm						
16	135-6618	0.58	0.55	0.53	0.50	0.46
20	135-6619	0.61	0.58	0.55	0.52	0.49
30	135-6620	0.69	0.66	0.63	0.59	0.55
40	135-6621	0.90	0.86	0.81	0.76	0.71
50	135-6622	1.02	0.97	0.93	0.87	0.80
60	135-6623	1.09	1.05	1.00	0.94	0.88
Socket Height 0.8mm						
16	135-6654	0.29	0.28	0.26	0.25	0.22
20	135-6655	0.29	0.28	0.27	0.25	0.23
30	135-6656	0.38	0.36	0.35	0.33	0.30
40	135-6657	0.44	0.42	0.41	0.37	0.35
50	135-6658	0.46	0.44	0.42	0.40	0.37
Socket Height 1.0mm						
10	135-6639	0.27	0.25	0.24	0.23	0.21
20	135-6642	0.27	0.25	0.24	0.23	0.21
30	135-6643	0.33	0.32	0.29	0.28	0.25
40	135-6644	0.38	0.36	0.35	0.33	0.30
50	135-6645	0.46	0.45	0.43	0.41	0.37
60	135-6646	0.52	0.50	0.47	0.45	0.42
Socket Height 1.5mm						
16	135-6624	0.35	0.34	0.33	0.30	0.28
20	135-6625	0.33	0.32	0.29	0.28	0.25
30	135-6626	0.46	0.44	0.42	0.40	0.37
40	135-6627	0.63	0.61	0.58	0.54	0.51
50	135-6629	0.69	0.67	0.63	0.60	0.55
60	135-6631	0.80	0.77	0.73	0.69	0.64

DF17 PCB Stacking Connector System
0.5mm Pitch



The DF17 range of connectors have been developed to meet the demands of portable and hand held equipment.

- 0.5mm pitch
- Dual beam bellow contacts maintain continuity under shock and vibration
- Designed to withstand drop impact

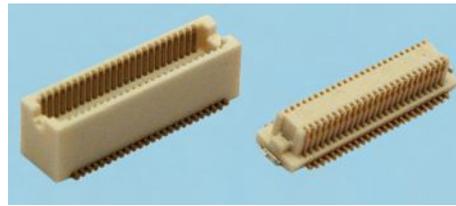
Current Rating	0.3A	Insulation Mat	Nylon Resin
Voltage rating AC	50V RMS	Contact Material	Phos Bronze
Contact Resistance	≤50mΩ	Contact Plating	Gold
Insulation Resistance	≥500MΩ	Temperature Range	-35°C to +85°C
Mfrs. List No.	DF17C(3.0)-20DS-0.5V(57)=107-7735	DF17C(2.0)-20DP-0.5V(57)=107-7742	
	DF17C(3.0)-40DS-0.5V(57)=107-7736	DF17C(2.0)-40DP-0.5V(57)=107-7743	
	DF17C(3.0)-80DS-0.5V(57)=107-7737	DF17C(2.0)-80DP-0.5V(57)=107-7744	
	DF17C(4.0)-40DS-0.5V(57)=107-7738	DF17C(4.0)-40DP-0.5V(57)=107-7745	
	DF17C(4.0)-80DS-0.5V(57)=107-7741	DF17C(4.0)-80DP-0.5V(57)=107-7746	

233331

No. of Ways	Order Code	1+	50+	100+	500+
Receptacle 3mm Height					
20	107-7735	0.97	0.92	0.82	0.76
40	107-7736	1.92	1.80	1.62	1.48
80	107-7737	3.25	3.01	2.72	2.49
Receptacle 4mm Height					
40	107-7738	1.85	1.73	1.62	1.42
80	107-7741	2.41	2.27	2.03	1.86
Header 2mm Height					
20	107-7742	1.14	1.07	0.99	0.89
40	107-7743	2.08	1.95	1.83	1.63
80	107-7744	3.48	3.22	2.94	2.66
Header 4mm Height					
40	107-7745	2.14	1.99	1.85	1.65
80	107-7746	2.68	2.50	2.29	2.07

40,000 PRICES REDUCED

DF12 Board to Board Connectors
0.5mm Pitch



- 0.5mm pitch ultra-miniature size connector
- 3mm, 3.5mm, 4mm, and 5mm stacking height available
- Vacuum pick-up area to enable automatic mounting
- Metal fitting solder tab included to prevent solder peeling

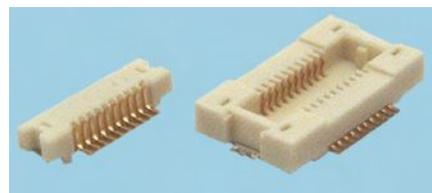
Current Rating	0.3A	Insulation Material	Polyamide
Voltage rating AC	50V	Contact Material	Phosphor Copper
Contact Resistance	≤50mohm	Contact Plating	Gold
Insulation Resistance	≥500Mohm	Temperature Range	-45°C to +125°C

455939

No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+
Receptacle, 3mm Stacking Height					
20	DF12(3.0)-20DS-0.5V(86)	SMD132-4613	0.64	0.59	0.53
30	DF12(3.0)-30DS-0.5V(86)	SMD132-4616	0.88	0.85	0.75
40	DF12(3.0)-40DS-0.5V(86)	SMD132-4617	0.99	0.89	0.81
50	DF12(3.0)-50DS-0.5V(86)	SMD132-4618	1.39	1.12	0.86
60	DF12(3.0)-60DS-0.5V(86)	SMD132-4619	1.54	1.23	0.94
80	DF12(3.0)-80DS-0.5V(86)	SMD132-4620	1.95	1.80	1.62
Receptacle, 3.5mm to 5mm Stacking Height					
20	DF12-20DS-0.5V(86)	SMD132-4621	0.66	0.59	0.46
30	DF12-30DS-0.5V(86)	SMD132-4622	0.86	0.79	0.62
40	DF12-40DS-0.5V(86)	SMD132-4623	1.04	0.94	0.74
60	DF12-60DS-0.5V(86)	SMD132-4624	1.40	1.23	0.94
Header, 3mm Stacking Height					
20	DF12(3.0)-20DP-0.5V(86)	SMD132-4625	0.63	0.56	0.50
30	DF12(3.0)-30DP-0.5V(86)	SMD132-4626	0.92	0.82	0.72
40	DF12(3.0)-40DP-0.5V(86)	SMD132-4628	1.00	0.89	0.81
50	DF12(3.0)-50DP-0.5V(86)	SMD132-4629	1.42	1.12	0.86
60	DF12(3.0)-60DP-0.5V(86)	SMD132-4630	1.49	1.20	0.92
80	DF12(3.0)-80DP-0.5V(86)	SMD132-4631	2.15	1.71	1.31
Header, 3.5mm Stacking Height					
20	DF12(3.5)-20DP-0.5V(86)	SMD132-4632	0.70	0.65	0.51
30	DF12(3.5)-30DP-0.5V(86)	SMD132-4633	0.66	0.63	0.55
40	DF12(3.5)-40DP-0.5V(86)	SMD132-4634	1.12	0.98	0.77
50	DF12(3.5)-50DP-0.5V(86)	SMD132-4635	0.97	0.93	0.81
60	DF12(3.5)-60DP-0.5V(86)	SMD132-4636	1.46	1.34	1.20
Header, 4mm Stacking Height					
20	DF12(4.0)-20DP-0.5V(86)	SMD132-4637	0.86	0.77	0.70
30	DF12(4.0)-30DP-0.5V(86)	SMD132-4638	1.39	1.12	0.86
40	DF12(4.0)-40DP-0.5V(86)	SMD132-4641	1.46	1.18	0.90
50	DF12(4.0)-50DP-0.5V(86)	SMD132-4642	1.57	1.38	1.25
60	DF12(4.0)-60DP-0.5V(86)	SMD132-4643	1.37	1.24	1.12
Header, 5mm Stacking Height					
20	DF12(5.0)-20DP-0.5V(86)	SMD132-4644	0.70	0.63	0.49
30	DF12(5.0)-30DP-0.5V(86)	SMD132-4645	1.00	0.89	0.81
40	DF12(5.0)-40DP-0.5V(86)	SMD132-4646	1.05	0.99	0.88
50	DF12(5.0)-50DP-0.5V(86)	SMD132-4647	1.57	1.21	0.93
60	DF12(5.0)-60DP-0.5V(86)	SMD132-4648	1.25	1.13	1.02

15

DF16 Board to Board Connectors
0.5mm Pitch



- 0.5mm pitch
- 2mm and 2.5mm stacking height available
- Vacuum pick-up area to enable automatic mounting
- Metal fitting solder tab included to prevent solder peeling
- High Contact Reliability
- Positive 'click' when fully mated

Current Rating	0.3A	Insulation Material	Polyamide Resin
Voltage rating AC	50V	Contact Material	Phosphor Copper
Contact Resistance	≤50mohm	Contact Plating	Gold
Insulation Resistance	≥500Mohm	Temperature Range	-35°C to +85°C

455955

No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+
Receptacle					
14	DF16-14DS-0.5V(86)	SMD132-4726	0.69	0.61	0.55
16	DF16-16DS-0.5V(86)	SMD132-4727	0.59	0.53	0.48
20	DF16-20DS-0.5V(86)	SMD132-4728	0.83	0.74	0.65
30	DF16-30DS-0.5V(86)	SMD132-4729	0.81	0.72	0.65
34	DF16-34DS-0.5V(86)	SMD132-4730	0.86	0.76	0.69
40	DF16-40DS-0.5V(86)	SMD132-4732	1.16	1.05	0.94



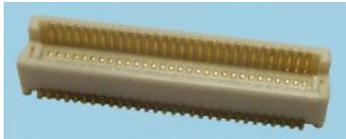
0.4mm - 0.64mm Pitch (SMT) - continued

DF16 Board to Board Connectors - continued

0.5mm Pitch - continued

No. of Ways	Mfrs. List No.	Order Code	Price Each		
			1+	10+	100+
Receptacle					
50	DF16-50DS-0.5V(86)	SMD132-4733 ●	1.08	0.97	0.86
60	DF16-60DS-0.5V(86)	SMD132-4734 ●	1.61	1.41	1.27
80	DF16-80DS-0.5V(86)	SMD132-4735 ●	1.90	1.70	1.52
Header, 2mm stacking height					
14	DF16(2.0)-14DP-0.5V(86)	SMD132-4710 ●	0.45	0.40	0.36
16	DF16(2.0)-16DP-0.5V(86)	SMD132-4711 ●	0.49	0.44	0.40
20	DF16(2.0)-20DP-0.5V(86)	SMD132-4712 ●	0.63	0.55	0.49
30	DF16(2.0)-30DP-0.5V(86)	SMD132-4713 ●	0.76	0.67	0.61
40	DF16(2.0)-40DP-0.5V(86)	SMD132-4714 ●	0.92	0.81	0.72
50	DF16(2.0)-50DP-0.5V(86)	SMD132-4715 ●	1.12	0.98	0.88
60	DF16(2.0)-60DP-0.5V(86)	SMD132-4716 ●	1.73	1.54	1.37
80	DF16(2.0)-80DP-0.5V(86)	SMD132-4717 ●	2.10	1.87	1.68
Header, 2.5mm stacking height					
20	DF16(2.5)-20DP-0.5V(86)	SMD132-4719 ●	0.71	0.64	0.58
30	DF16(2.5)-30DP-0.5V(86)	SMD132-4721 ●	0.74	0.66	0.59
34	DF16(2.5)-34DP-0.5V(86)	SMD132-4722 ●	1.04	0.94	0.83
40	DF16(2.5)-40DP-0.5V(86)	SMD132-4723 ●	1.15	1.02	0.92
50	DF16(2.5)-50DP-0.5V(86)	SMD132-4724 ●	1.03	0.93	0.81
60	DF16(2.5)-60DP-0.5V(86)	SMD132-4725 ●	1.23	1.10	0.98

0.5mm Board-to-Board Headers 2000P Series

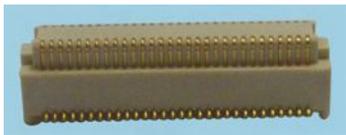


- Double row
- Profile Height - 2.2mm / 2.7mm
- Pitch - 0.5mm
- Pitch Row - 0.5mm
- Flammability Rating - UL94V-0
- Operating Temperature - -20°C to 105°C
- Mates with 2001S series

2000P Profile Height	Mated Heights with 2001S series		
	2.2mm	2.7mm	4.2mm
2.2mm	3.0mm	3.5mm	5.0mm
2.7mm	3.5mm	4.0mm	5.5mm

No. of Ways	Order Code	Price Each				
		5+	25+	50+	100+	250+
Profile Height - 2.2mm						
20	166-1158 ●	0.36	0.34	0.31	0.30	0.28
30	166-1159 ●	0.54	0.51	0.47	0.45	0.42
40	166-1160 ●	0.72	0.67	0.63	0.60	0.55
50	166-1161 ●	0.90	0.84	0.80	0.75	0.70
60	166-1162 ●	1.08	1.01	0.95	0.90	0.83
Profile Height - 2.7mm						
20	166-1169 ●	0.36	0.34	0.31	0.30	0.28
30	166-1170 ●	0.54	0.51	0.47	0.45	0.42
40	166-1171 ●	0.72	0.67	0.63	0.60	0.55
50	166-1172 ●	0.90	0.84	0.80	0.75	0.70
60	166-1173 ●	1.08	1.01	0.95	0.90	0.83

0.5mm Board-to-Board Sockets 2001S Series



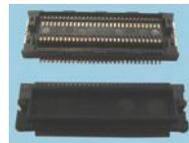
- Double row
- Profile Height - 2.2mm / 2.7mm / 4.2mm
- Pitch - 0.5mm
- Pitch Row - 0.5mm
- Flammability Rating - UL94V-0
- Operating Temperature - -20°C to 105°C
- Mates with 2000P series

Current Rating	Voltage Rating	Contact Material	Contact Plating	Insulator Material

2000P Profile Height	Mated Heights with 2000P series		
	2001S Profile Height		
	2.2mm	2.7mm	4.2mm
2.2mm	3.0mm	3.5mm	5.0mm
2.7mm	3.5mm	4.0mm	5.5mm

No. of Ways	Order Code	Price Each				
		5+	25+	50+	100+	250+
Profile Height - 2.2mm						
20	166-1163 ●	0.36	0.34	0.31	0.30	0.28
30	166-1165 ●	0.54	0.51	0.47	0.45	0.42
40	166-1166 ●	0.72	0.67	0.63	0.60	0.55
50	166-1167 ●	0.90	0.84	0.80	0.75	0.70
60	166-1168 ●	1.08	1.01	0.95	0.90	0.83
Profile Height - 2.7mm						
20	166-1174 ●	0.36	0.34	0.31	0.30	0.28
30	166-1175 ●	0.54	0.51	0.47	0.45	0.42
40	166-1177 ●	0.72	0.67	0.63	0.60	0.55
50	166-1178 ●	0.90	0.84	0.80	0.75	0.70
60	166-1179 ●	1.08	1.01	0.95	0.90	0.83
Profile Height - 4.2mm						
20	166-1180 ●	0.36	0.34	0.31	0.30	0.28
30	166-1181 ●	0.54	0.51	0.47	0.45	0.42
40	166-1182 ●	0.72	0.67	0.63	0.60	0.55
50	166-1183 ●	0.90	0.84	0.80	0.75	0.70
60	166-1184 ●	1.08	1.01	0.95	0.90	0.83

Headers and Sockets 0.5 mm Pitch



- 0.5mm Pitch
- 2.0mm and 2.5mm Heights available

Mfrs. List No. 14 5087 OXX Header. 24 5087 OXX Socket. Where XX = No. of ways

No. of Ways	Order Code	Price Each				
		5+	50+	100+	500+	1K+
Order Multiple=5						
Header Height 2.0mm						
10	135-6660 ●	0.72	0.69	0.65	0.62	0.58
20	135-6661 ●	0.87	0.82	0.79	0.73	0.69
30	135-6662 ●	0.98	0.94	0.90	0.85	0.78
50	135-6663 ●	1.18	1.13	1.08	1.02	0.95
60	135-6664 ●	1.70	1.62	1.56	1.45	1.35
80	135-6666 ●	3.11	2.97	2.84	2.65	2.49
Header Height 2.5mm						
20	135-6667 ●	1.26	1.21	1.15	1.08	1.02
50	135-6669 ●	1.73	1.65	1.58	1.48	1.38
60	135-6670 ●	2.45	2.33	2.23	2.09	1.95
Socket Height 2.0/2.5mm						
10	135-6672 ●	3.32	3.16	3.01	2.82	2.65
20	135-6673 ●	0.67	0.63	0.61	0.56	0.53
30	135-6674 ●	1.24	1.18	1.13	1.06	0.99
50	135-6675 ●	1.02	0.97	0.93	0.87	0.80
60	135-6676 ●	1.30	1.24	1.18	1.11	1.04
80	135-6678 ●	1.53	1.46	1.40	1.31	1.22

Headers and Sockets 0.5 mm Pitch



- 0.5mm Pitch
- 3, 3.5, 4 and 4.5 mm Heights available

Mfrs. List No. 14 5046 OXX Header. 24 5046 OXX Socket. Where XX = No. of ways

No. of Ways	Order Code	Price Each				
		5+	50+	100+	500+	1K+
Order Multiple=5						
Header Height 3.0mm						
20	135-6679 ●	2.63	2.49	2.38	2.23	2.10
30	135-6680 ●	0.52	0.50	0.47	0.45	0.42
40	135-6681 ●	0.67	0.63	0.61	0.56	0.53
50	135-6682 ●	0.74	0.71	0.69	0.64	0.60
60	135-6683 ●	0.87	0.82	0.79	0.73	0.69
70	135-6684 ●	0.98	0.94	0.90	0.85	0.78
80	135-6685 ●	1.15	1.11	1.05	0.99	0.93
90	135-6686 ●	1.32	1.26	1.21	1.13	1.06
120	135-6691 ●	1.76	1.68	1.60	1.50	1.40
Header Height 3.5mm						
20	135-6692 ●	1.89	1.82	1.73	1.62	1.52
30	135-6693 ●	0.58	0.55	0.53	0.50	0.46
50	135-6695 ●	0.78	0.74	0.71	0.67	0.62
Header Height 4.0mm						
30	135-6704 ●	0.50	0.47	0.45	0.43	0.40
40	135-6705 ●	0.58	0.55	0.53	0.50	0.46
50	135-6706 ●	0.67	0.63	0.61	0.56	0.53
60	135-6708 ●	0.74	0.71	0.69	0.64	0.60
80	135-6710 ●	1.02	0.97	0.93	0.87	0.80
100	135-6712 ●	1.15	1.10	1.05	0.98	0.92

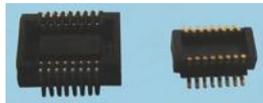
Order Multiple=5

No. of Ways	Order Code	5+	50+	Price Each 100+	500+	1K+
Header Height 4.5mm						
30	135-6716	0.52	0.50	0.47	0.45	0.42
50	135-6718	0.69	0.67	0.63	0.60	0.55
60	135-6721	0.78	0.74	0.71	0.67	0.62
80	135-6723	1.07	1.03	0.98	0.91	0.86
100	135-6725	1.35	1.29	1.23	1.15	1.08
110	135-6726	1.31	1.24	1.18	1.11	1.04
120	135-6727	1.59	1.51	1.44	1.35	1.26
Socket Height 3.0 / 4.5mm						
20	135-6728	1.73	1.65	1.58	1.48	1.38
30	135-6729	0.58	0.55	0.53	0.50	0.46
40	135-6730	0.69	0.67	0.63	0.60	0.55
50	135-6731	0.80	0.77	0.73	0.69	0.64
60	135-6733	0.96	0.91	0.87	0.81	0.76
70	135-6734	1.09	1.05	1.00	0.94	0.88
80	135-6735	1.38	1.32	1.26	1.18	1.11
90	135-6736	1.44	1.38	1.31	1.23	1.15
100	135-6737	1.21	1.15	1.11	1.04	0.97
110	135-6738	1.17	1.12	1.07	1.00	0.94
120	135-6739	1.70	1.62	1.56	1.45	1.35

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Profile Height - 10.27mm, Mated Height with QSE - 11mm							
QTH-030-03-L-D-A	60	166-7906	10.11	7.52	6.30	5.56	5.08
QTH-060-03-L-D-A	120	166-7911	11.57	8.44	7.20	6.23	5.81
QTH-090-03-L-D-A	180	166-7915	15.19	11.26	9.73	8.57	7.92
QTH-120-03-L-D-A	240	166-7921	17.51	13.48	11.58	10.18	9.60
QTH-150-03-L-D-A	300	166-7925	21.89	16.85	14.47	12.73	12.00
Profile Height - 15.25mm, Mated Height with QSE - 16mm							
QTH-030-04-L-D-A	60	166-7908	10.46	7.77	6.51	5.74	5.25
QTH-060-04-L-D-A	120	166-7912	11.95	8.72	7.43	6.44	6.00
QTH-090-04-L-D-A	180	166-7916	14.93	11.49	9.87	8.68	8.18
QTH-120-04-L-D-A	240	166-7922	18.11	13.93	11.97	10.53	9.92
QTH-150-04-L-D-A	300	166-7926	22.05	17.09	14.95	12.90	12.40

Headers and Sockets

0.5 mm Pitch



- 0.5mm Pitch
- 5 and 7mm Heights available

Contact Material: Copper Alloy
Operating Temperature: °C to °C

Mfrs. List No. 14 5047 OXX Header. 24 5047 OXX Socket. Where XX = No. of ways

477659

Order Multiple=5

No. of Ways	Order Code	5+	50+	Price Each 100+	500+	1K+
Header Height 5.0mm						
20	135-6740	2.08	1.97	1.88	1.77	1.66
30	135-6741	0.46	0.45	0.43	0.41	0.37
40	135-6742	0.54	0.51	0.49	0.46	0.43
50	135-6743	0.63	0.61	0.58	0.54	0.51
60	135-6745	0.90	0.86	0.81	0.76	0.71
70	135-6746	1.02	0.97	0.93	0.87	0.80
80	135-6747	1.04	0.99	0.95	0.89	0.82
100	135-6749	1.30	1.24	1.18	1.11	1.04
Header Height 7.0mm						
20	135-6750	1.26	1.19	1.14	1.07	1.00
30	135-6751	0.67	0.63	0.61	0.56	0.53
40	135-6752	0.74	0.71	0.69	0.64	0.60
60	135-6754	1.09	1.05	1.00	0.94	0.88
80	135-6757	1.53	1.47	1.39	1.30	1.22
100	135-6759	1.38	1.32	1.26	1.18	1.11
Socket Height 5.0/7.0mm						
20	135-6760	1.50	1.43	1.36	1.27	1.20
30	135-6761	0.50	0.47	0.45	0.43	0.40
40	135-6762	0.58	0.55	0.53	0.50	0.46
50	135-6763	0.74	0.71	0.69	0.64	0.60
60	135-6764	0.96	0.91	0.87	0.81	0.76
70	135-6765	1.13	1.07	1.03	0.96	0.90
80	135-6766	1.07	1.03	0.98	0.91	0.86
100	135-6769	1.38	1.32	1.26	1.18	1.11

0.5mm Hi-Speed Headers

QTH series



- Integral metal plane for power or ground
- Standard stack heights from 5mm to 25mm
- Polarized
- Double row
- Pitch - 0.5mm
- Mates with Samtec's QSH series

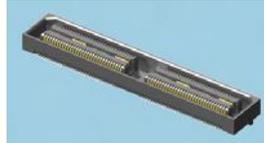
Insulator Material: LCP
Contact Material: Phosphor Bronze
Contact Plating: Gold
Current Rating: 1A
Operating Temperature: -55°C to 125°C

527359

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Profile Height - 4.27mm, Mated Height with QSE - 5mm							
QTH-030-01-L-D-A	60	166-7904	6.69	4.73	3.95	3.49	3.14
QTH-060-01-L-D-A	120	166-7909	7.32	5.26	4.51	3.92	3.59
QTH-090-01-L-D-A	180	166-7913	9.85	7.15	5.99	5.29	4.84
QTH-120-01-L-D-A	240	166-7917	11.66	8.51	7.26	6.29	5.86
QTH-150-01-L-D-A	300	166-7923	13.92	10.64	8.92	7.86	7.26
Profile Height - 7.26mm, Mated Height with QSE - 8mm							
QTH-030-02-L-D-A	60	166-7905	6.89	4.89	4.07	3.60	3.24
QTH-060-02-L-D-A	120	166-7910	7.55	5.42	4.65	4.04	3.70
QTH-090-02-L-D-A	180	166-7914	9.92	7.37	6.18	5.45	4.98
QTH-120-02-L-D-A	240	166-7918	12.02	8.78	7.49	6.48	6.04
QTH-150-02-L-D-A	300	166-7924	14.34	10.64	9.19	8.10	7.48

0.5mm Hi-Speed Sockets

QSH series



- Polarized
- Alignment pins
- Blade & Beam design
- Integral metal plane for power or ground
- Double row
- Pitch - 0.5mm
- Mates with Samtec's QTH series



Insulator Material: LCP
Contact Material: Phosphor Bronze
Contact Plating: Gold
Current Rating: 1A
Operating Temperature: -55°C to 125°C

527353

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
QSH-030-01-L-D-A							
60	166-7876	6.56	4.65	3.87	3.42	3.08	
QSH-060-01-L-D-A							
120	166-7878	7.19	5.17	4.43	3.85	3.52	
QSH-090-01-L-D-A							
180	166-7879	9.67	7.02	5.88	5.19	4.75	
QSH-120-01-L-D-A							
240	166-7880	11.46	8.36	7.13	6.17	5.75	
QSH-150-01-L-D-A							
300	166-7881	13.66	10.44	8.75	7.71	7.13	

SlimStack™ SMT Stacking

0.5mm Pitch



SlimStack™ is the new family name for Molex's broad range of Micro SMT stacking board-to-board connectors. SlimStack™ offers system designers a wide range of flexibility to meet the tight packaging needs found in applications such as PDAs, cellular phones, camcorders, notebook PCs and other compact equipment. All versions are gold-plated for high reliability over multiple mating cycles.

- Circuit size range of 16 to 140
- Cantilever-type gold contacts
- High-temp LCP housing material
- High density design flexibility

Current Rating: 0.5A
Voltage rating AC: 50V
Contact Resistance: ≤40mohm
Insulation Resistance: ≥100Mohm
Contact Material: Phosphor Bronze
Contact Plating: Gold
Temperature Range: -25°C to +85°C

509094

No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+
Receptacle, 1.5mm Stacking Height					
20	54722-0204	156-7657	1.01	0.83	0.69
30	54722-0304	156-7658	1.14	0.93	0.81
40	54722-0404	156-7659	1.57	1.27	1.09
50	54722-0504	156-7660	1.91	1.54	1.34
60	54722-0604	156-7661	2.09	1.69	1.46
80	54722-0804	156-7662	2.66	2.16	1.87
Plug, 1.5mm Stacking Height					
20	55560-0207	156-7663	0.44	0.36	0.31
30	55560-0307	156-7665	1.35	1.08	0.94
40	55560-0407	156-7666	0.91	0.72	0.63
50	55560-0507	156-7667	1.27	1.04	0.90
60	55560-0607	156-7668	1.34	1.08	0.93
80	55560-0807	156-7669	2.17	1.75	1.52
Receptacle, 2.00mm Stacking Height					
20	54363-0289	156-7670	1.33	1.08	0.93
30	54363-0389	156-7671	1.68	1.37	1.17
40	54363-0489	156-7672	2.11	1.70	1.47
50	54363-0589	156-7673	2.32	1.88	1.62
60	54363-0689	156-7674	2.91	2.36	2.03
70	54363-0778	156-7681	2.40	1.96	1.68
80	54363-0878	156-7683	2.63	2.13	1.84
120	54363-1278	156-7685	3.69	3.00	2.58
Receptacle, 2mm/3mm Stacking Height					
140	54363-1478	156-7687	5.32	4.32	3.71
Plug, 2mm Stacking Height					
20	55650-0288	156-7675	0.99	0.82	0.68
30	55650-0388	156-7677	1.10	0.90	0.77
40	55650-0488	156-7678	1.28	1.03	0.89
50	55650-0588	156-7679	1.56	1.26	1.09
60	55650-0688	156-7680	1.89	1.53	1.33
70	55650-0788	156-7682	1.81	1.47	1.26
80	55201-0878	156-7684	2.70	2.19	1.90
120	55201-1278	156-7689	3.28	2.66	2.29
140	55201-1478	156-7691	4.09	3.31	2.85

0.4mm - 0.64mm Pitch (SMT) - continued

SlimStack™ SMT Stacking - continued

0.5mm Pitch - continued

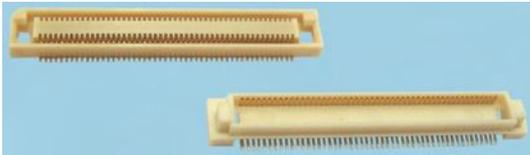
No. of Ways	Mfrs. List No.	Order Code	1+	50+	100+
Receptacle, 2.5mm Stacking Height					
20	54102-0204	156-7692	0.92	0.73	0.63
30	54102-0304	156-7693	1.23	1.01	0.87
40	54102-0404	156-7694	1.63	1.33	1.14
50	54102-0504	156-7695	1.93	1.56	1.35
60	54102-0608	156-7700	2.16	1.74	1.51
70	54102-0704	156-7702	2.67	2.16	1.87
Plug, 2.5mm Stacking Height					
20	53885-0208	156-7696	1.78	1.45	1.23
30	53885-0308	156-7697	2.24	1.83	1.57
40	53885-0408	156-7698	1.62	1.33	1.13
50	53885-0508	156-7699	2.63	2.13	1.85
60	53885-0608	156-7701	2.48	2.01	1.72
70	53885-0708	156-7703	2.60	2.11	1.82
Receptacle, 3mm Stacking Height					
50	52991-0508	156-7711	3.63	2.96	2.54
70	52991-0708	156-7716	5.36	4.35	3.74
100	54363-1078	156-7704	3.56	2.89	2.49
Receptacle, 3mm/4mm Stacking Height					
20	52991-0208	156-7708	1.67	1.37	1.16
30	52991-0308	156-7709	2.42	1.96	1.68
40	52991-0408	156-7710	3.15	2.56	2.19
Plug, 3mm Stacking Height					
20	53748-0208	156-7712	3.11	2.52	2.16
30	53748-0308	156-7713	3.35	2.71	2.34
40	53748-0408	156-7714	3.58	2.90	2.50
50	53748-0504	156-7715	3.67	2.99	2.56
70	53748-0708	156-7717	4.29	3.49	3.00
100	55299-1078	156-7705	4.09	3.32	2.86
140	55299-1478	156-7707	4.17	3.39	2.92
Plug, 4mm Stacking Height					
20	53916-0208	156-7719	2.63	2.13	1.83
30	501920-3001	156-7721	0.52	0.41	0.36
40	501920-4001	156-7722	0.63	0.51	0.44
Receptacle, 6mm Stacking Height					
160	501497-1610	156-7723	4.80	3.90	3.35
200	501497-2010	156-7724	5.78	4.69	4.02
240	501497-2410	156-7725	6.68	5.42	4.67
Plug, 6mm Stacking Height					
160	501493-1610	156-7726	3.85	3.12	2.68
200	501493-2010	156-7727	4.54	3.68	3.17
240	501493-2410	156-7728	4.61	3.74	3.22

FX8 and FX8C Board to Board Connectors

0.6mm Pitch



15



- 0.6mm Pitch
- 3mm and 4mm board to board stacking height with FX8 series
- 5mm to 14mm board to board stacking height with FX8C series - combine one of 2 sizes of receptacle and one of 4 sizes of header
- High coplanarity
- Mating guide
- Boss to prevent mis-insertion
- Note: FX8 series do not mate with FX8C series

FX8 Series

Current Rating	0.4A	Insulation Material	PBS
Voltage rating AC	100V	Contact Material	Phosphor Bronze
Contact Resistance	≤45mohm	Contact Plating	Gold
Insulation Resistance	≥1000Mohm	Temperature Range	-55°C to +85°C

No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+
Receptacle, 3mm to 4mm Stacking Height					
60	FX8-60S-SV(21)	SMD132-4656	2.94	1.95	1.49
80	FX8-80S-SV(21)	SMD132-4657	3.51	2.32	1.78
90	FX8-90S-SV(21)	SMD132-4658	2.71	2.41	2.17
100	FX8-100S-SV(21)	SMD132-4659	4.08	2.70	2.07
120	FX8-120S-SV(21)	SMD132-4660	4.66	3.07	2.35
140	FX8-140S-SV(21)	SMD132-4661	5.23	3.45	2.64
Header, 3mm Stacking Height					
60	FX8-60P-SV(91)	SMD132-4649	2.28	2.05	1.83
80	FX8-80P-SV(91)	SMD132-4650	3.03	2.68	2.41
90	FX8-90P-SV(71)	SMD132-4651	2.44	2.18	1.95
100	FX8-100P-SV(91)	SMD132-4653	3.49	3.10	2.79
120	FX8-120P-SV(91)	SMD132-4654	3.93	3.50	3.15
140	FX8-140P-SV(91)	SMD132-4655	4.42	3.93	3.54

No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+
Header, 4mm Stacking Height					
60	FX8-60P-SV1(91)	SMD132-4662	2.14	1.91	1.72
80	FX8-80P-SV1(91)	SMD132-4663	2.48	2.21	1.97
90	FX8-90P-SV1(91)	SMD132-4665	2.66	2.38	2.13
100	FX8-100P-SV1(91)	SMD132-4666	2.84	2.52	2.27
120	FX8-120P-SV1(91)	SMD132-4667	3.19	2.84	2.55
140	FX8-140P-SV1(91)	SMD132-4668	3.55	3.16	2.84

FX8C Series

Current Rating	0.4A	Insulation Material	PBS
Voltage rating AC	100V	Contact Material	Phosphor Bronze
Contact Resistance	≤80mohm	Contact Plating	Gold
Insulation Resistance	≥1000Mohm	Temperature Range	-55°C to +85°C

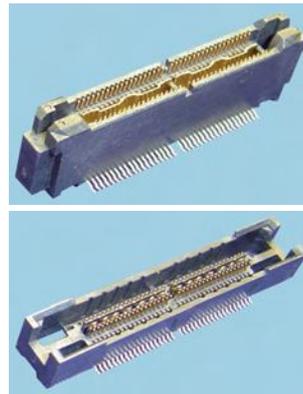
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No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+
Receptacle, 5mm to 9mm Stacking Height					
60	FX8C-60S-SV(91)	SMD132-4693	3.70	3.30	2.96
80	FX8C-80S-SV(91)	SMD132-4694	4.28	2.84	2.17
100	FX8C-100S-SV(91)	SMD132-4695	4.83	3.19	2.44
120	FX8C-120S-SV(91)	SMD132-4696	5.33	4.75	4.26
140	FX8C-140S-SV(91)	SMD132-4697	5.94	3.93	3.01
Receptacle, 10mm to 14mm Stacking Height					
60	FX8C-60S-SV5(91)	SMD132-4698	3.61	3.21	2.89
80	FX8C-80S-SV5(91)	SMD132-4699	4.23	3.76	3.37
100	FX8C-100S-SV5(91)	SMD132-4700	5.02	3.31	2.54
120	FX8C-120S-SV5(91)	SMD132-4701	3.99	3.57	3.20
140	FX8C-140S-SV5(91)	SMD132-4702	5.92	5.26	4.74
Header, 5mm or 10mm Stacking Height					
60	FX8C-60P-SV(91)	SMD132-4669	3.64	3.23	2.92
80	FX8C-80P-SV(91)	SMD132-4670	4.08	3.61	3.25
100	FX8C-100P-SV(91)	SMD132-4671	4.69	3.09	2.37
120	FX8C-120P-SV(91)	SMD132-4672	5.11	4.53	4.09
140	FX8C-140P-SV(91)	SMD132-4673	5.62	5.00	4.50
Header, 6mm or 11mm Stacking Height					
60	FX8C-60P-SV1(91)	SMD132-4674	3.37	3.01	2.70
80	FX8C-80P-SV1(91)	SMD132-4675	3.81	3.37	3.04
100	FX8C-100P-SV1(91)	SMD132-4677	4.29	3.82	3.44
120	FX8C-120P-SV1(91)	SMD132-4678	4.73	4.20	3.77
140	FX8C-140P-SV1(91)	SMD132-4679	5.19	4.62	4.17
Header, 7mm or 12mm Stacking Height					
60	FX8C-60P-SV2(91)	SMD132-4680	3.37	3.01	2.70
80	FX8C-80P-SV2(91)	SMD132-4681	3.43	3.04	2.73
100	FX8C-100P-SV2(91)	SMD132-4682	4.29	3.82	3.44
120	FX8C-120P-SV2(91)	SMD132-4683	4.73	4.20	3.77
140	FX8C-140P-SV2(91)	SMD132-4685	5.19	4.62	4.17
Header, 9mm or 14mm Stacking Height					
60	FX8C-60P-SV4(91)	SMD132-4686	3.37	3.01	2.70
80	FX8C-80P-SV4(91)	SMD132-4687	3.81	3.37	3.04
100	FX8C-100P-SV4(91)	SMD132-4689	4.29	3.82	3.44
120	FX8C-120P-SV4(91)	SMD132-4691	4.73	4.20	3.77
140	FX8C-140P-SV4(91)	SMD132-4692	5.19	4.62	4.17

Matched Impedance Connector (MICTOR)



Pugs and Receptacles, 0.64mm (0.025") Centerline



The MICTOR connector family is based on the micro-strip concept of two rows of signal contacts divided by a center power ground plane. MICTOR connectors are motherboard and daughtercard compatible and include designs for cable-to-board applications. Various mated heights are available for parallel board-to-board systems. The MICTOR connector family is available in .64 [0.025] centerlines in sizes ranging from 38 signal positions to 266 positions (in increments of 38 positions). There is a discrete ground bus every 12.7 [0.50] of the connector length, which can be assigned to either power or ground in any combination.

- 76 dedicated signal lines per linear inch
- Designed for parallel board-to-board, flex-to-board and cable-to-board configurations
- 0.64 mm centerline contact spacing
- Redundant interfaces on mated contacts
- Infrared and forced air convection compatible housing materials
- Designed for 50-ohm systems
- Connector housings polarized for correct mating
- Built-in connector-to-board retention feature

Voltage rating	30Vac	Temperature range	-55°C to +125°C
Current rating	7.6A	Housing	Liquid Crystal Polymer
Dielectric strength	500Vac at sea level	Contacts	Copper Alloy
Insulation resistance	10000Mohm	Ground Bus	Phosphor Bronze

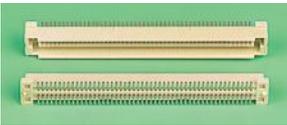


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No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	+
Receptacle, Vertical							
38	2-5767004-2	107-6633	7.37	6.79	6.56	6.19	--
76	2-5767004-3	107-6634	14.00	12.91	12.46	11.77	--
114	2-5767004-4	107-6635	22.14	20.37	19.71	18.60	--
152	2-5767004-5	107-6636	29.48	27.15	26.24	24.76	--
190	2-5767004-6	107-6637	36.88	33.95	32.82	30.98	--
266	2-5767004-8	107-6639	49.04	45.14	43.64	41.19	--
Plug, Vertical, 6.60mm Stack Height							
38	5767007-8	107-6640	7.37	6.79	6.56	6.19	--
76	5767007-9	107-6641	14.00	12.91	12.46	11.77	--
114	1-5767007-0	107-6642	22.14	20.37	19.71	18.60	--
190	1-5767007-2	107-6645	36.88	33.95	32.82	30.98	--
228	1-5767007-3	107-6646	42.63	39.65	37.94	35.81	--
Plug, Vertical, 10.92mm Stack Height							
38	5767003-9	107-6648	8.14	7.50	7.25	6.84	--
76	1-5767003-0	107-6649	16.31	15.02	14.52	13.70	--
114	1-5767003-1	107-6650	24.45	22.52	21.76	20.53	--
152	5767003-8	107-6651	30.80	28.64	27.41	25.87	--
190	1-5767003-2	107-6652	38.48	35.78	34.24	32.32	--
Plug, Vertical, 12.57mm Stack Height							
38	5767005-8	107-6655	8.53	7.85	7.59	7.17	--
76	5767005-9	107-6657	17.05	15.70	15.18	14.32	--
190	1-5767005-2	107-6660	39.88	37.09	35.49	33.50	--

0.8mm Pitch (SMT)

'FH' Headers and Sockets



1098338

- High density packing on 0.8mm pitch
- SMT
- Available in 40 - 140 position
- Positioning bosses for proper on-board orientation
- Over 50% space saving compared to conventional 1.27mm connectors

Housing Heat Resistant Thermoplastic UL94V-0
 Receptacle contacts Beryllium Copper, 0.2µm min. gold on contact area, 1.0µm min. tin on soldering area, with entire contact underplated 1.3µm nickel
 Plug contacts Copper Alloy, 0.2µm min. gold on contact area, 1.0µm min. tin on soldering area, with entire contact underplated 1.3µm nickel

SMT Headers				SMT Sockets			
No. of Ways	Height	Mfrs. List No.	Order Code	No. of Ways	Height	Mfrs. List No.	Order Code
40	5mm	5177984-1	109-8335	40	5mm	5177983-1	109-8345
60	5mm	5177984-2	109-8336	60	5mm	5177983-2	109-8346
80	5mm	5177984-3	109-8337	80	5mm	5177983-3	109-8347
100	5mm	5177984-4	109-8338	100	5mm	5177983-4	109-8348
120	5mm	5177984-5	109-8339	120	5mm	5177983-5	109-8349
140	5mm	5177984-6	109-8340	140	5mm	5177983-6	109-8350
40	6mm	5179029-1	128-3065	40	9mm	5-5179009-1	109-8351
60	6mm	5179029-2	128-3067	60	9mm	5-5179009-2	109-8352
80	6mm	5179029-3	128-3068	80	9mm	5-5179009-3	128-3083
100	6mm	5179029-4	128-3069	100	9mm	5-5179009-4	109-8353
120	6mm	5179029-5	128-3070	120	9mm	5-5179009-5	109-8355
140	6mm	5179029-6	128-3071	40	13mm	5-5179010-1	109-8356
40	7mm	5179030-1	128-3072	60	13mm	5-5179010-2	109-8357
60	7mm	5179030-2	109-8341	80	13mm	5-5179010-3	109-8358
80	7mm	5179030-3	128-3073	100	13mm	5-5179010-4	109-8359
100	7mm	5179030-4	128-3074	120	13mm	5-5179010-5	109-8360
120	7mm	5179030-5	128-3075	140	13mm	5-5179010-6	109-8361
140	7mm	5179030-6	128-3076				
60	8mm	5179031-2	109-8344				
80	8mm	5179031-3	128-3077				
100	8mm	5179031-4	128-3079				
120	8mm	5179031-5	128-3081				
140	8mm	5179031-6	128-3082				

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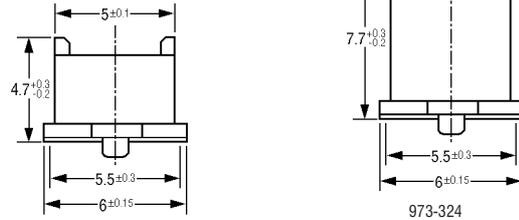
No. of Ways	Mfrs. List No.	Order Code	1+	100+	250+	500+	1K+
SMT Headers 5mm Height							
40	5177984-1	SMD109-8335	1.30	1.19	1.15	1.11	1.07
60	5177984-2	SMD109-8336	1.48	1.37	1.31	1.23	1.18
80	5177984-3	SMD109-8337	2.39	2.19	2.10	2.01	1.93
100	5177984-4	SMD109-8338	2.61	2.42	2.30	2.19	2.09
120	5177984-5	SMD109-8339	3.48	3.20	3.07	2.94	2.81
140	5177984-6	SMD109-8340	3.74	3.46	3.30	3.15	3.01
SMT Headers 6mm Height							
40	5179029-1	SMD128-3065	1.31	1.17	1.10	1.02	0.98
60	5179029-2	SMD128-3067	2.13	1.95	1.81	1.66	1.61
80	5179029-3	SMD128-3068	2.40	2.16	2.03	1.87	1.79
100	5179029-4	SMD128-3069	2.86	2.59	2.44	2.22	2.14
120	5179029-5	SMD128-3070	3.18	2.90	2.72	2.50	2.42
140	5179029-6	SMD128-3071	3.49	3.17	2.98	2.72	2.63
SMT Headers 7mm Height							
40	5179030-1	SMD128-3072	1.80	1.29	1.23	1.17	1.12
60	5179030-2	SMD109-8341	1.42	1.33	1.26	1.19	1.14
80	5179030-3	SMD128-3073	2.58	2.34	2.18	2.02	1.95
100	5179030-4	SMD128-3074	2.98	2.71	2.53	2.33	2.23
120	5179030-5	SMD128-3075	3.37	3.05	2.85	2.63	2.52
140	5179030-6	SMD128-3076	3.48	3.15	2.95	2.71	2.61
SMT Headers 8mm Height							
40	5179031-1	SMD109-8343	1.32	1.21	1.16	1.11	1.07
60	5179031-2	SMD109-8344	1.42	1.33	1.26	1.19	1.14
80	5179031-3	SMD128-3077	2.58	2.35	2.18	2.02	1.95
100	5179031-4	SMD128-3079	2.99	2.71	2.53	2.33	2.23
120	5179031-5	SMD128-3081	3.37	3.05	2.85	2.63	2.52
140	5179031-6	SMD128-3082	3.58	3.24	3.04	2.80	2.69

No. of Ways	Mfrs. List No.	Order Code	1+	100+	250+	500+	1K+
SMT Sockets 5mm Height							
40	5177983-1	SMD109-8345	1.32	1.21	1.16	1.11	1.07
60	5177983-2	SMD109-8346	1.47	1.36	1.31	1.24	1.20
80	5177983-3	SMD109-8347	2.26	2.10	2.01	1.92	1.84
100	5177983-4	SMD109-8348	2.43	2.24	2.14	2.05	1.95
120	5177983-5	SMD109-8349	2.92	2.68	2.57	2.47	2.36
140	5177983-6	SMD109-8350	3.33	3.07	2.95	2.83	2.70
SMT Sockets 9mm Height							
40	5-5179009-1	SMD109-8351	1.26	1.16	1.12	1.08	1.04
60	5-5179009-2	SMD109-8352	1.36	1.26	1.20	1.15	1.11
80	5-5179009-3	SMD128-3083	2.70	2.46	2.30	2.11	2.03
100	5-5179009-4	SMD109-8353	2.77	2.56	2.46	2.36	2.25
120	5-5179009-5	SMD109-8355	2.72	2.51	2.40	2.29	2.18
SMT Sockets 13mm Height							
40	5-5179010-1	SMD109-8356	1.03	0.96	0.93	0.90	0.87
60	5-5179010-2	SMD109-8357	1.78	1.71	1.65	1.50	1.44
80	5-5179010-3	SMD109-8358	2.25	2.10	1.99	1.89	1.78
100	5-5179010-4	SMD109-8359	2.69	2.49	2.37	2.26	2.15
120	5-5179010-5	SMD109-8360	2.85	2.62	2.51	2.41	2.29
140	5-5179010-6	SMD109-8361	3.33	3.07	2.95	2.83	2.70

'Bergstak' Plug and Socket



- High density surface mount board to board connector system
- Dual row contact, 100 position
- Combined mated height of 5.0mm and 8.0mm



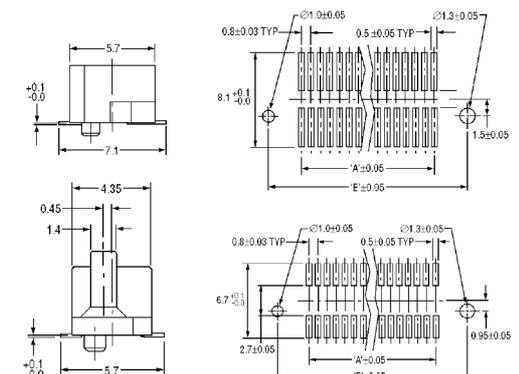
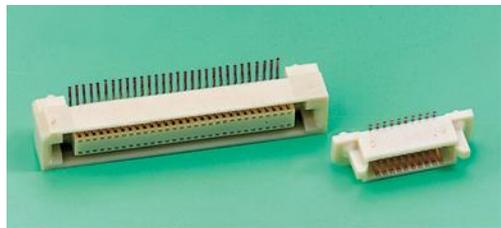
Mfrs. List No: Plugs: 61083-101400LF = 110-3986, 61083-104400LF = 110-3987, Socket: 61082-101400LF = 110-3988

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No. of Ways	Order Code	1+	25+	50+	100+	250+	500+
SMT Plus							
50+50	SMD110-3986	2.89	2.63	2.44	2.20	2.04	1.87
50+50	SMD110-3987	3.75	3.48	3.23	2.96	2.75	2.55
SMT Socket							
50+50	SMD110-3988	3.27	3.05	2.90	2.57	2.47	2.38

Plugs and Sockets



0.8mm Pitch (SMT) - continued



Plugs and Sockets - continued

- Fine pitch surface mount technology
- Board locating pegs
- 10 to 50 way double row
- Polarised housing
- Low profile design

Voltage rating	100Vac	Solderability	260°C/10sec
Current rating	0.5A	Housing	Liquid Crystal Polymer
Dielectric strength	300Vac	Contact: Plug	Phosphor Bronze, Gold plating
Insulation resistance	100MΩ(250Vdc)	Socket	Phosphor Bronze
Temperature range	-55°C to +100°C		Gold plating

Dimensions (mm)				Dimensions (mm)			
No. of Ways	A	Plug	Socket	No. of 30+30	A	E	16.8
20+20	23.2	11.2	12.8				

Mfrs. List No. Plugs=M60-614XX45, Sockets=M60-604XX45, where XX=No. of ways

209387

No. of Ways	Order Code	1+	20+	50+	100+	250+	500+
SMT Plugs							
10+10	SMD 131-2100●	1.85	1.66	1.55	1.39	1.34	1.28
15+15	SMD 131-2101●	2.21	2.02	1.88	1.68	1.60	1.51
20+20	SMD 131-2102●	2.67	2.41	2.23	2.03	1.91	1.84
25+25	SMD 131-2103●	3.05	2.74	2.57	2.33	2.17	2.09
30+30	SMD 131-2104●	3.57	3.21	3.00	2.70	2.56	2.49
40+40	SMD 131-2105●	3.67	3.29	3.08	2.78	2.64	2.53
50+50	SMD 131-2106●	4.15	3.73	3.50	3.13	2.99	2.87
SMT Sockets							
10+10	SMD 131-2093●	1.64	1.48	1.37	1.24	1.16	1.08
15+15	SMD 131-2094●	1.88	1.69	1.59	1.42	1.36	1.28
20+20	SMD 131-2095●	2.11	1.91	1.79	1.60	1.51	1.42
25+25	SMD 131-2096●	2.33	2.08	1.97	1.75	1.66	1.55
30+30	SMD 131-2097●	2.79	2.52	2.35	2.11	2.02	1.65
50+50	SMD 131-2099●	4.52	4.06	3.78	3.42	3.23	2.88

KX14/KX15 Board to Board Series

0.8mm Pitch



- Connection between parallel boards spaced 4 to 9mm
- Mating guide for orientating the contacts
- Friction lock less sensitive to vibration and tensile strength
- Ribbon type contacts ensures reliable electrical continuity, resisting the twist force of coupling

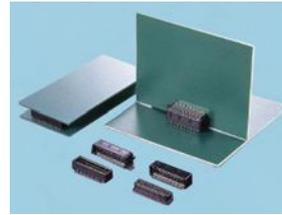
Withstand Voltage	500V rms per minute	Pitch	0.8mm
Current Rating	0.5A	Insulation Resistance	100MΩ
Operating Temperature	-40°C to 85°C	Contact Resistance	≤70mΩ

496032

No. Contacts	Mfrs. List No.	Order Code	1+	50+	250+
Vertical Socket 3.55mm Height					
20	KX14-20K2DE	151-9647●	0.95	0.88	0.84
40	KX14-40K2DRE	151-9649●	1.49	1.39	1.33
50	KX14-50K2DRE	151-9651●	1.80	1.67	1.59
70	KX14-70K2DE	151-9653●	1.84	1.71	1.63
80	KX14-80K2DE	151-9655●	3.19	2.83	2.64
Vertical Socket 6.55mm Height					
20	KX14-20K5DE	151-9648●	0.97	0.91	0.87
40	KX14-40K5DRE	151-9650●	1.53	1.42	1.36
50	KX14-50K5DRE	151-9652●	1.84	1.71	1.63
70	KX14-70K5DE	151-9654●	1.87	1.73	1.65
80	KX14-80K5DE	151-9656●	3.22	2.85	2.66
Vertical Plug 3.75mm Height					
20	KX15-20K2DE	151-9658●	0.89	0.83	0.80
40	KX15-40K2D-RE	151-9661●	1.07	1.00	0.95
50	KX15-50K2DE	151-9664●	1.78	1.65	1.58
70	KX15-70K2DE	151-9667●	2.40	2.22	2.12
80	KX15-80K2DE	151-9672●	3.62	3.21	3.00
Vertical Plug 4.75mm Height					
20	KX15-20K3DE	151-9659●	0.89	0.83	0.80
40	KX15-40K3DE	151-9662●	1.17	1.09	1.05
50	KX15-50K3DE	151-9665●	1.84	1.71	1.63
70	KX15-70K3DE	151-9668●	2.44	2.25	2.16
80	KX15-80K3DE	151-9673●	3.65	3.23	3.03
Right Angle Plug					
20	KX15-20KLDLE	151-9660●	1.01	0.93	0.89
40	KX15-40KLDLE	151-9663●	1.70	1.58	1.51
50	KX15-50KLDLE	151-9666●	2.03	1.89	1.82
70	KX15-70KLDLE	151-9671●	2.73	2.54	2.44
80	KX15-80KLDLE	151-9674●	3.91	3.45	3.22

IL-WX Board to Board Series

0.80mm Pitch



- Low profile
- Connection between parallel boards spaced 4.5mm
- Configuration suited for automatic packaging

Current Rating	0.5A	Contact Resistance	≤25mΩ
Insulation Resistance	100MΩ	Pitch	0.8mm
Operating Temperature	-40°C to 85°C	Withstand Voltage	500V rms per minute

496047

No. Contacts	Mfrs. List No.	Order Code	1+	50+	250+
Vertical Plug					
6	IL-WX-6PB-VF-BE	151-9675●	0.28	0.25	0.22
8	IL-WX-8PB-VF-BE	151-9676●	0.34	0.29	0.28
10	IL-WX-10PB-VF-BE	151-9677●	0.37	0.33	0.31
16	IL-WX-16PB-VF-BE	151-9678●	0.50	0.44	0.42
18	IL-WX-18PB-VF-BE	151-9679●	0.50	0.44	0.42
20	IL-WX-20PB-VF-BE	151-9680●	0.55	0.49	0.46
24	IL-WX-24PB-VF-BE	151-9681●	0.63	0.56	0.52
26	IL-WX-26PB-VF-BE	151-9683●	0.63	0.56	0.52
30	IL-WX-30PB-VF-BE	151-9684●	0.71	0.63	0.59
32	IL-WX-32PB-VF-BE	151-9685●	0.74	0.65	0.61
36	IL-WX-36PB-VF-BE	151-9686●	0.82	0.72	0.68
Vertical Socket					
6	IL-WX-6SB-VF-BE	151-9687●	0.31	0.27	0.25
8	IL-WX-8SB-VF-BE	151-9688●	0.34	0.29	0.28
10	IL-WX-10SB-VF-BE	151-9689●	0.42	0.37	0.35
16	IL-WX-16SB-VF-BE	151-9690●	0.50	0.44	0.42
18	IL-WX-18SB-VF-BE	151-9691●	0.50	0.44	0.42
20	IL-WX-20SB-VF-BE	151-9692●	0.55	0.49	0.46
24	IL-WX-24SB-VF-BE	151-9693●	0.60	0.54	0.50
26	IL-WX-26SB-VF-BE	151-9695●	0.66	0.58	0.55
30	IL-WX-30SB-VF-BE	151-9696●	0.71	0.63	0.59
32	IL-WX-32SB-VF-BE	151-9697●	0.77	0.68	0.63
36	IL-WX-36SB-VF-BE	151-9698●	0.82	0.72	0.68
Right Angle Plug					
6	IL-WX-6PB-HF-HD-S-BE	151-9699●	0.34	0.29	0.28
8	IL-WX-8PB-HF-HD-S-BE	151-9701●	0.34	0.29	0.28
10	IL-WX-10PB-HF-HD-S-BE	151-9702●	0.45	0.40	0.37
16	IL-WX-16PB-HF-HD-S-BE	151-9703●	0.52	0.47	0.44
18	IL-WX-18PB-HF-HD-S-BE	151-9704●	0.52	0.47	0.44
20	IL-WX-20PB-HF-HD-S-BE	151-9705●	0.55	0.49	0.46
24	IL-WX-24PB-HF-HD-S-BE	151-9706●	0.60	0.54	0.50
26	IL-WX-26PB-HF-HD-S-BE	151-9707●	0.66	0.58	0.55
30	IL-WX-30PB-HF-HD-S-BE	151-9708●	0.74	0.65	0.61
32	IL-WX-32PB-HF-HD-S-BE	151-9709●	0.77	0.68	0.63
36	IL-WX-36PB-HF-HD-S-BE	151-9710●	0.82	0.72	0.68

15

0.8mm Hi-Speed Headers

QTE series



- Integral metal plane for power or ground
- Standard stack heights from 5mm to 25mm
- Polarized
- Double row
- Pitch - 0.8mm
- Mates with Samtec's QSE series



Insulator Material	LCP	Contact Material	Phosphor Bronze	Contact Plating	Gold	Current Rating	2A	Operating Temperature	-55°C to 125°C
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527356

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Profile Height - 4.27mm, Mated Height with QSE - 5mm							
QTE-020-01-L-D-A	40	166-7882●	4.65	3.25	2.69	2.33	2.13
QTE-040-01-L-D-A	80	166-7886●	6.36	4.51	3.76	3.32	2.99
QTE-060-01-L-D-A	120	166-7892●	7.32	5.26	4.51	3.92	3.59
QTE-080-01-L-D-A	160	166-7896●	8.74	6.35	5.32	4.70	4.30
QTE-100-01-L-D-A	200	166-7900●	9.94	7.22	6.06	5.34	4.89
Profile Height - 7.26mm, Mated Height with QSE - 8mm							
QTE-020-02-L-D-A	40	166-7883●	4.80	3.35	2.77	2.40	2.20
QTE-040-02-L-D-A	80	166-7887●	6.56	4.65	3.87	3.42	3.08
QTE-060-02-L-D-A	120	166-7893●	7.55	5.42	4.65	4.04	3.70
QTE-080-02-L-D-A	160	166-7897●	9.02	6.55	5.49	4.84	4.43
QTE-100-02-L-D-A	200	166-7901●	10.02	7.44	6.24	5.50	5.03
Profile Height - 10.27mm, Mated Height with QSE - 11mm							
QTE-020-03-L-D-A	40	166-7884●	5.80	3.94	3.28	2.90	2.66
QTE-040-03-L-D-A	80	166-7888●	7.61	5.47	4.69	4.07	3.73
QTE-060-03-L-D-A	120	166-7894●	8.93	6.49	5.44	4.80	4.39
QTE-080-03-L-D-A	160	166-7898●	10.69	7.94	6.65	5.87	5.37
QTE-100-03-L-D-A	200	166-7902●	12.14	8.86	7.56	6.54	6.10
Profile Height - 15.25mm, Mated Height with QSE - 16mm							
QTE-020-04-L-D-A	40	166-7885●	7.29	5.24	4.49	3.90	3.57
QTE-040-04-L-D-A	80	166-7891●	9.96	7.39	6.20	5.47	5.00
QTE-060-04-L-D-A	120	166-7895●	11.95	8.72	7.43	6.44	6.00
QTE-080-04-L-D-A	160	166-7899●	13.94	10.65	8.93	7.87	7.27
QTE-100-04-L-D-A	200	166-7903●	15.08	11.61	9.97	8.77	8.26



0.8mm Hi-Speed Sockets

QSE series



- Polarized
- Alignment pins
- Blade & Beam design
- Integral metal plane for power or ground
- Double row
- Pitch - 0.8mm
- Mates with Samtec's QTE series

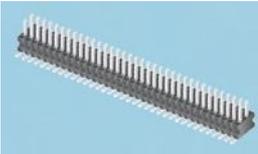
Insulator Material LCP	Contact Material Phosphor Bronze	Contact Plating Gold	Current Rating 2A	Operating Temperature -55°C to 125°C
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527351

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
QSE-020-01-L-D-A	40	166-7870	4.74	3.27	2.67	2.28	2.13
QSE-040-01-L-D-A	80	166-7871	6.26	4.43	3.69	3.27	2.94
QSE-060-01-L-D-A	120	166-7872	7.19	5.17	4.43	3.85	3.52
QSE-080-01-L-D-A	160	166-7874	8.58	6.23	5.22	4.61	4.21
QSE-100-01-L-D-A	200	166-7875	9.78	7.09	5.94	5.24	4.80

0.8mm Headers

FTE series



- Low profile - 1.70mm
- Orientation - vertical and right angle available
- Pin length - 1.9mm
- Surface Mount
- Double row
- Pitch - 0.8mm
- Pitch row - 1.2mm
- Mates with Samtec's CLE series

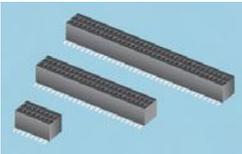
Insulator Material LCP	Contact Material Phosphor Bronze	Contact Plating Gold	Current Rating 0.75A	Operating Temperature -55°C to 125°C
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527263

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Right Angle							
FTE-105-01-G-DH	10	166-7690	1.94	1.80	1.48	1.12	0.92
FTE-106-01-G-DH	12	166-7692	2.33	2.16	1.78	1.34	1.10
FTE-108-01-G-DH	16	166-7694	3.10	2.88	2.37	1.79	1.47
FTE-110-01-G-DH	20	166-7697	3.90	3.62	2.98	2.25	1.84
FTE-120-01-G-DH	40	166-7699	6.58	6.11	5.03	3.80	3.11
FTE-125-01-G-DH	50	166-7702	7.99	7.42	6.11	4.62	3.78
FTE-130-01-G-DH	60	166-7704	8.96	8.32	6.85	5.18	4.24
FTE-135-01-G-DH	70	166-7706	10.45	9.70	7.99	6.04	4.94
FTE-140-01-G-DH	80	166-7708	11.94	11.09	9.13	6.90	5.64
FTE-145-01-G-DH	90	166-7710	13.43	12.47	10.27	7.76	6.35
FTE-150-01-G-DH	100	166-7712	14.92	13.85	11.41	8.62	7.05
Vertical							
FTE-105-01-G-DV	10	166-7691	1.49	1.38	1.14	0.86	0.70
FTE-106-01-G-DV	12	166-7693	1.79	1.66	1.37	1.03	0.84
FTE-108-01-G-DV	16	166-7696	2.39	2.22	1.82	1.38	1.13
FTE-110-01-G-DV	20	166-7698	3.00	2.79	2.30	1.74	1.42
FTE-120-01-G-DV	40	166-7700	5.06	4.70	3.87	2.93	2.39
FTE-125-01-G-DV	50	166-7703	6.16	5.72	4.71	3.56	2.91
FTE-130-01-G-DV	60	166-7705	6.90	6.41	5.28	3.99	3.26
FTE-135-01-G-DV	70	166-7707	8.04	7.47	6.15	4.65	3.80
FTE-140-01-G-DV	80	166-7709	9.19	8.53	7.02	5.31	4.34
FTE-145-01-G-DV	90	166-7711	10.33	9.59	7.90	5.97	4.88
FTE-150-01-G-DV	100	166-7714	11.47	10.65	8.77	6.63	5.42

0.80mm Sockets

CLE series



- Double row
- Pitch - 0.80mm
- Pitch row - 1.20mm
- Surface Mount
- Mates with Samtec's FTE series

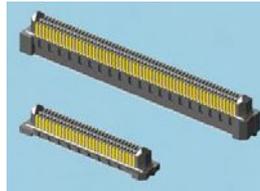
Insulator Material Liquid Crystal Polymer	Contact Material Beryllium Copper	Contact Plating Gold	Current Rating 0.75A	Operating Temperature -55°C to 125°C
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527210

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
CLE-105-01-G-DV	10	166-7539	1.62	1.50	1.24	0.94	0.70
CLE-106-01-G-DV	12	166-7540	1.80	1.67	1.37	1.04	0.78
CLE-110-01-G-DV	20	166-7541	2.51	2.33	1.92	1.45	1.09
CLE-112-01-G-DV	24	166-7542	3.00	2.79	2.30	1.74	1.30
CLE-115-01-G-DV	30	166-7544	3.75	3.48	2.87	2.17	1.62
CLE-120-01-G-DV	40	166-7545	4.99	4.63	3.82	2.88	2.16
CLE-125-01-G-DV	50	166-7546	6.26	5.81	4.78	3.62	2.71
CLE-130-01-G-DV	60	166-7547	7.50	6.96	5.73	4.33	3.25
CLE-135-01-G-DV	70	166-7548	8.74	8.11	6.68	5.05	3.79
CLE-140-01-G-DV	80	166-7549	9.98	9.27	7.63	5.77	4.32
CLE-145-01-G-DV	90	166-7550	11.22	10.42	8.58	6.48	4.86
CLE-150-01-G-DV	100	166-7551	12.49	11.59	9.55	7.21	5.41

0.8mm Edge Rate Headers

ERM8 series



- Designed for Rugged Micro pitch applications
- Edge wipe contacts for reduced broadside coupling
- Two profile heights available - 2.0mm, 5.0mm
- Double row
- Pitch - 0.8mm
- Mates with Samtec's ERF8 series

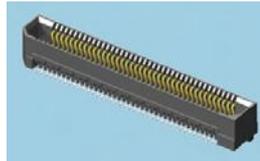
Insulator Material LCP	Contact Material Phosphor Bronze	Contact Plating Gold	Operating Temperature -55°C to 125°C
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527249

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Profile Height 2.0mm							
ERM8-010-02.0-S-DV	20	166-7641	4.22	2.91	2.37	2.03	1.90
ERM8-020-02.0-S-DV	40	166-7643	4.77	3.30	2.69	2.30	2.15
ERM8-030-02.0-S-DV	60	166-7645	5.93	4.03	3.36	2.97	2.72
ERM8-040-02.0-S-DV	80	166-7648	6.31	4.47	3.72	3.29	3.02
ERM8-050-02.0-S-DV	100	166-7650	6.84	4.85	4.04	3.57	3.27
ERM8-060-02.0-S-DV	120	166-7652	7.26	5.21	4.47	3.88	3.62
ERM8-070-02.0-S-DV	140	166-7654	7.77	5.58	4.78	4.16	3.88
ERM8-075-02.0-S-DV	150	166-7656	7.94	5.70	4.89	4.25	3.96
Profile Height 5.0mm							
ERM8-010-05.0-S-DV	20	166-7642	4.41	3.04	2.48	2.12	1.98
ERM8-020-05.0-S-DV	40	166-7644	4.77	3.34	2.76	2.39	2.19
ERM8-030-05.0-S-DV	60	166-7647	5.92	4.19	3.49	3.09	2.83
ERM8-040-05.0-S-DV	80	166-7649	6.58	5.69	3.88	3.43	3.09
ERM8-050-05.0-S-DV	100	166-7651	7.13	4.91	4.21	3.65	3.41
ERM8-060-05.0-S-DV	120	166-7653	7.56	5.43	4.66	4.05	3.77
ERM8-070-05.0-S-DV	140	166-7655	8.09	5.82	4.98	4.33	4.04
ERM8-075-05.0-S-DV	150	166-7657	8.28	5.95	5.10	4.43	4.13

0.8mm Edge Rate Sockets

ERF8 series



- Robust Edge Rate contact improves 'Zippered' unmatting
- Profile height - 5.0mm
- Double row
- Pitch - 0.8mm
- Mates with Samtec's ERM8 series

Insulator Material LCP	Contact Material Beryllium Copper	Contact Plating Gold	Operating Temperature -55°C to 125°C
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527246

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
ERF8-010-05.0-S-DV	20	166-7632	4.41	3.04	2.48	2.12	1.98
ERF8-020-05.0-S-DV	40	166-7633	4.77	3.34	2.76	2.39	2.19
ERF8-030-05.0-S-DV	60	166-7635	6.17	5.24	3.49	3.09	2.83
ERF8-040-05.0-S-DV	80	166-7636	6.58	5.69	3.88	3.43	3.09
ERF8-050-05.0-S-DV	100	166-7637	7.13	4.91	4.21	3.65	3.41
ERF8-060-05.0-S-DV	120	166-7638	7.56	5.43	4.66	4.05	3.77
ERF8-070-05.0-S-DV	140	166-7639	8.09	5.82	4.98	4.33	4.04
ERF8-075-05.0-S-DV	150	166-7640	8.28	5.95	5.10	4.43	4.13

0.8mm Board-to-Board Headers

2011 Series



- Double row
- Profile Height - 4.15mm / 5.15mm / 5.65mm
- Pitch - 0.8mm
- Pitch Row - 0.8mm
- Flammability Rating - UL94V-0
- Operating Temperature - -40°C to 105°C
- Mates with 2010 series

Current Rating 0.5A	Voltage Rating 50V AC/DC	Contact Material Phosphor Bronze	Contact Plating Gold	Insulator Material High Temp. Plastic (Nylon 46)
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Mated Heights with 2010 series			
2010 Profile Height	2011 Profile Height		
	4.15mm	5.15mm	5.65mm
3.55mm	5.0mm	6.0mm	6.5mm
4.05mm	5.5mm	6.5mm	7.0mm

0.8mm Pitch (SMT) - continued

0.8mm Board-to-Board Headers - continued

2011 Series - continued

No. of Ways	Order Code	5+	25+	50+	100+	250+
Profile Height - 4.15mm						
40	166-1185●	0.98	0.90	0.83	0.77	0.72
60	166-1186●	1.35	1.25	1.16	1.08	1.01
80	166-1187●	2.11	1.98	1.87	1.77	1.68
100	166-1189●	2.48	2.33	2.21	2.11	2.01
Profile Height - 5.15mm						
40	166-1191●	0.98	0.90	0.83	0.77	0.72
60	166-1192●	1.35	1.25	1.16	1.08	1.01
80	166-1193●	2.11	1.98	1.87	1.77	1.68
100	166-1194●	2.48	2.33	2.21	2.11	2.01
Profile Height - 4.2mm						
40	166-1195●	0.98	0.90	0.83	0.77	0.72
60	166-1196●	1.35	1.25	1.16	1.08	1.01
80	166-1197●	2.11	1.98	1.87	1.77	1.68
100	166-1198●	2.48	2.33	2.21	2.11	2.01

0.8mm Board-to-Board Sockets
2010 Series



- Double row
- Profile Height - 3.55mm / 4.05mm
- Pitch - 0.8mm
- Pitch Row - 0.8mm
- Flammability Rating - UL94V-0
- Operating Temperature -40°C to 105°C
- Mates with 2011 series

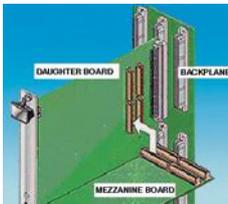
Current Rating	Voltage Rating	Contact Material	Contact Plating	Insulator Material
0.5A	50V AC/DC	Phosphor Bronze	Gold	High Temp. Plastic (Nylon 46)

2010 Profile Height	Mated Heights with 2011 series		
	4.15mm	5.15mm	5.65mm
3.55mm	5.0mm	6.0mm	6.5mm
4.05mm	5.5mm	6.5mm	7.0mm

No. of Ways	Order Code	5+	25+	50+	100+	250+
Profile Height - 3.55mm						
40	166-1199●	0.98	0.90	0.83	0.77	0.72
60	166-1200●	1.35	1.25	1.16	1.08	1.01
80	166-1201●	2.11	1.98	1.87	1.77	1.68
100	166-1202●	2.48	2.33	2.21	2.11	2.01
Profile Height - 4.05mm						
40	166-1203●	0.98	0.90	0.83	0.77	0.72
60	166-1204●	1.35	1.25	1.16	1.08	1.01
80	166-1205●	2.11	1.98	1.87	1.77	1.68
100	166-1207●	2.48	2.33	2.21	2.11	2.01

1.0mm Pitch (SMT)

IEEE 1386 - Mezzanine
1.00mm (.039") Pitch - Plugs and Receptacles



The IEEE1386 Standard contains the details for adding standardized PCI mezzanine cards to VMEbus and Multi-bus host boards. There are also many LAN, WAN, telecommunications, PC and workstation users who want a standardized mezzanine scheme, and see the IEEE1386 as the best approach. The fully shrouded leaf-style design minimizes the chance of damaging plug contacts, and our receptacle contacts feature a low mating force that reduces PC board stress. Gold over Nickel contact plating enhances long-term reliability and the UL 94V-0 LCP

housings withstand SMT reflow processes. Excellent tolerance absorption allows the connector to be used in combinations of 1-4 mated pairs for up to 256 circuits.

- Mated heights 8, 9, 10, 11, 12, 13, 14 and 15mm
- 64 circuits
- Leaf style design protects pins
- Antiflux design
- Low insertion force
- High temperature LCP housing for use with reflow solder processes

Voltage Rating	100V	Operating temperature range:	-55°C to 85°C
Current Rating	1.0A	Mating/Unmating Force	25 g Max / 50 g Min - per contact
Contact Resistance	30mohm	Contacts	Phosphor Bronze Gold plated
Withstand Voltage	250V	Approval	UL File No. E29179
Insulation Resistance	1000Mohm		



335214

Description	Mfrs. Mated Stack Height	List No.	Order Code	1+	10+	50+	250+	500+
Headers								
8.0mm		714360164	SMD 477-1308●	5.95	4.84	4.23	3.98	3.68
9.0mm		71436-1164	SMD 477-1310●	4.67	3.75	3.26	2.43	2.37
10.0mm		714362164	SMD 973-4309●	5.91	4.84	3.98	3.74	3.63
Sockets								
8/9/10 mm		714390164	SMD 973-4317●	5.51	4.51	3.63	3.47	3.39
11/12 mm		71439-1164	SMD 101-2236●	4.67	3.75	3.26	2.48	2.42
14/15 mm		71439-3164	SMD 101-2237●	4.87	3.91	3.40	2.58	2.52

Double row low profile wire to board connectors
DF20 Series



- Precise FFC/FPC positioning
- Rotating Actuator
- Restricted space applications
- Standard FFC/FPC thickness

Current Rating	0.5 A	Durability	50 cycles
Voltage Rating	50V AC	Contacts	Phosphor Bronze
Operating Temperature	-40°C to 85°C	Colour	Beige

496489

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Straight Header with boss						
50	DF20G-50DP-1V(55)	151-8776●	1.690	1.580	1.470	1.350
40	DF20G-40DP-1V(55)	151-8777●	1.430	1.340	1.250	1.150
30	DF20G-30DP-1V(55)	151-8778●	1.190	1.120	1.040	0.960
20	DF20G-20DP-1V(55)	151-8779●	0.940	0.870	0.820	0.750
10	DF20G-10DP-1V(55)	151-8780●	0.660	0.610	0.580	0.530
Straight Header without boss						
50	DF20F-50DP-1V(55)	151-8782●	1.690	1.580	1.470	1.350
40	DF20F-40DP-1V(55)	151-8783●	1.430	1.340	1.250	1.150
30	DF20F-30DP-1V(55)	151-8784●	1.190	1.120	1.040	0.960
20	DF20F-20DP-1V(55)	151-8787●	0.940	0.870	0.820	0.750
10	DF20F-10DP-1V(55)	151-8789●	0.660	0.610	0.580	0.530
Right Angle Header without boss						
40	DF20F-40DP-1H(59)	151-8791●	1.870	1.750	1.640	1.500
30	DF20F-30DP-1H(50)	151-8792●	1.790	1.670	1.560	1.420
20	DF20F-20DP-1H(50)	151-8788●	1.040	0.970	0.890	0.820
10	DF20F-10DP-1H(50)	151-8790●	1.410	1.310	1.230	1.130
Socket Housing						
50	DF20A-50DS-1C	151-8794●	0.230	0.210	0.200	0.175
40	DF20A-40DS-1C	151-8795●	0.187	0.175	0.162	0.149
30	DF20A-30DS-1C	151-8796●	0.163	0.149	0.137	0.125
20	DF20A-20DS-1C	151-8797●	0.163	0.149	0.137	0.125
10	DF20A-10DS-1C	151-8798●	0.125	0.116	0.109	0.100
Crimp Terminal						
30-32 AWG	DF20F-3032SCFA	151-8785●	0.038	0.034	0.028	
28-30 AWG	DF20F-2830SCFA	151-8786●	0.038	0.034	0.028	
Crimp Tool						
HT302/DF20B-2830S	151-8799		937.130			

DF20 Wire Assemblies



- Pre-crimped socket-to-socket wire assemblies
- Choice of cable lengths - 150 / 300mm
- Use with Hirose's DF20 WTB Connectors

Specifications:-			
Cond. Resistance	5Ω	Insul. Resistance	5MΩ
Resistance Voltage	200V DC		

528868

Wire Length	Order Code	10+	50+	100+	500+	1K+
150mm	168-8140●	0.45	0.38	0.32	0.28	0.25
300mm	168-8141●	0.58	0.48	0.41	0.36	0.32

PCB Headers (SMT Versions)



- 1mm pitch
- Single and double row headers
- Metal solder tabs
- Low profile
- 2 to 50 positions available
- Contact finish Tin Single Row, Gold Double Row

Voltage rating	50V ac/dc	Insulation resistance	100MΩ (250V dc)
Current rating	1A ac/dc	Temperature range	-25°C to 85°C
Dielectric strength	500V ac	Housing	High-Temp Thermoplastic

Mfrs. List No. Vertical single row header = M40-301XX46 Mates with M40-110 Series, Vertical double row header = M40-302XX05 Mates with M40-120, 90° single row header = M40-401XX46 mates with M40-110, where XX=No. of ways

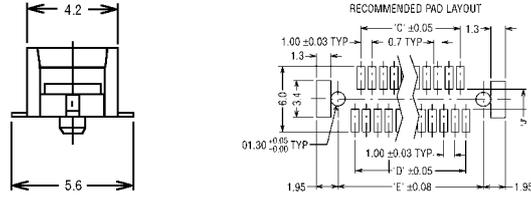
386450

Order Multiple=5

No. of Ways	Order Code	5+	100+	250+
Vertical Single Row Header				
2	872-8984●	0.38	0.36	0.35
4	872-8992●	0.50	0.43	0.39
6	872-9000●	0.56	0.50	0.44
8	872-9018●	0.61	0.55	0.49
10	872-9026●	0.65	0.59	0.54
12	872-9034●	0.70	0.63	0.57
14	872-9042●	0.77	0.68	0.61
Vertical Double Row Header				
10+10	139-0874●	1.28	1.14	1.02
15+15	139-0875●	1.57	1.41	1.28
90° Single Row Header				
2	872-9093●	0.24	0.22	0.20
4	872-9107●	0.27	0.24	0.20
6	872-9115●	0.40	0.37	0.33
8	872-9123●	0.46	0.41	0.37
10	872-9131●	0.51	0.46	0.41

- High density surface mount technology
- 4.3mm stacking height between boards
- 9 to 51 position with staggered pin out
- Polarised housing

Voltage rating	100Vac	No. of Ways	9	Dimensions (mm)		
Current rating	0.5A	C	3.0	D	4.0	E
Dielectric strength	250Vac	D	6.0	7.0	10.1	
Insulation resistance	500MΩ(250Vdc)	E	9.0	10.0	13.1	
Temperature range	-55°C to +100°C		11.0	12.0	15.1	
Solderability	260°C/10sec		14.0	15.0	18.1	
Housing	Nylon 4.6 UL94V-0		19.0	20.0	23.1	
Contact	Phosphor Bronze, Tin plated		24.0	25.0	28.1	



Mfrs. List No. Plugs=M40-60XX06, Sockets=M40-620XX06, where XX=No. of ways
SMT Sockets Mate with M40-620 Series
SMT Plugs Mate with M40-600 Series

209389

No. of Ways	Order Code	1+	20+	50+	100+	250+	500+
SMT Sockets							
9	SMC 102-2291●	1.14	1.04	0.96	0.88	0.85	0.80
15	SMC 102-2292●	1.32	1.18	1.10	0.99	0.94	0.91
21	SMC 102-2293●	1.43	1.29	1.22	1.08	1.03	0.98
25	SMC 102-2294●	1.57	1.41	1.34	1.19	1.12	1.08
31	SMC 102-2296●	1.74	1.57	1.48	1.32	1.25	1.20
41	SMC 102-2297●	1.96	1.75	1.63	1.49	1.40	1.36
51	SMC 102-2298●	2.32	2.10	1.98	1.77	1.66	1.62
SMT Plugs							
9	SMC 102-2284●	1.10	0.98	0.92	0.85	0.80	0.72
15	SMC 102-2285●	1.16	1.05	0.98	0.89	0.85	0.80
21	SMC 102-2286●	1.36	1.24	1.13	1.04	0.97	0.92
25	SMC 102-2287●	1.50	1.36	1.27	1.13	1.07	1.01
31	SMC 102-2288●	1.52	1.43	1.30	1.24	1.14	1.09
41	SMC 102-2289●	1.73	1.56	1.46	1.31	1.26	1.19
51	SMC 102-2290●	2.22	2.01	1.89	1.69	1.59	1.54

Crimp Terminal Housing



- Single and double housings
- Mates with Harwin 1mm PCB headers
- Low profile
- 2 to 30 positions available
- Uses female crimped contacts see Below

Mfrs. List No. Single row housing = M40-110XX00, Double row housing = M40-120XX00, where XX=No. of ways
Single row Mates with M40-301 and M40-401 series
Double row mates with M40-302

386451

Order Multiple=5

No. of Ways	Order Code	5+	100+	250+
Single Row Housing				
2	872-8879●	0.058	0.045	0.035
4	872-8887●	0.094	0.084	0.071
6	872-8895●	0.139	0.129	0.118
8	872-8909●	0.173	0.164	0.139
10	872-8917●	0.192	0.184	0.176
12	872-8925●	0.200	0.185	0.162
14	872-8933●	0.200	0.192	0.176
Double Row Housing				
10+10	872-8941●	0.270	0.250	0.210
15+15	872-8950●	0.300	0.280	0.250

Female Crimped Contacts



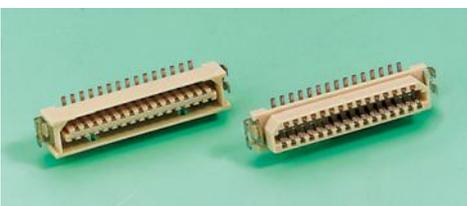
- Supplied with pre-crimped cables
- Choice of cable lengths and sizes
- For use with 1.0mm terminal housings Above
- Twin-beam contacts for high reliability
- Red PVC equipment wire
- Use with M40-110 and M40-120 Series

386454

Order Multiple=10

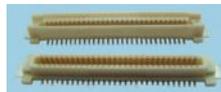
Contact Size	Length (mm)	Order Code	10+	100+	250+
Crimp Socket to Free End					
28AWG	150	872-9166●	0.34	0.30	0.28
32AWG	150	872-9174●	0.39	0.37	0.35
28AWG	300	872-9182●	0.35	0.33	0.31
32AWG	300	872-9190●	0.35	0.33	0.31
Crimp Socket to Crimp Socket					
28AWG	150	872-9204●	0.42	0.39	0.38
32AWG	150	872-9212●	0.50	0.45	0.44
28AWG	300	872-9220●	0.45	0.41	0.40
32AWG	300	872-9239●	0.45	0.41	0.40

Plugs and Sockets



Headers and Sockets

1 mm Pitch



- 1mm Pitch
- 5mm Height, Right angle and Vertical available

Contact Material Copper Alloy
Operating Temperature °C to °C

Mfrs. List No. 14 5078 OXX 100 Header Straight, 14 5078 OXX 510 Header R/A, 24 5078 OXX 100 Socket Straight, 24 5078 OXX 510 Socket R/A Where XX = No. of ways

477662

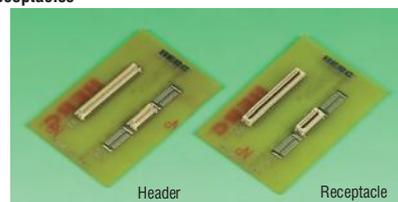
Order Multiple=5

No. of Ways	Order Code	5+	50+	100+	500+	1K+
Header Straight						
30	135-6771●	1.50	1.43	1.36	1.27	1.20
40	135-6772●	1.65	1.57	1.50	1.40	1.31
50	135-6773●	1.61	1.55	1.48	1.38	1.29
60	135-6774●	1.87	1.78	1.70	1.60	1.50
Header Right Angle						
30	135-6775●	2.28	2.18	2.08	1.94	1.82
40	135-6776●	2.47	2.36	2.26	2.11	1.97
50	135-6777●	2.47	2.36	2.26	2.11	1.97
60	135-6778●	2.76	2.64	2.51	2.36	2.21
Socket Straight						
30	135-6779●	3.08	2.93	2.81	2.63	2.46
40	135-6780●	1.70	1.62	1.56	1.45	1.35
50	135-6782●	1.84	1.76	1.68	1.58	1.48
60	135-6783●	2.13	2.04	1.94	1.82	1.70
Socket Right Angle						
30	135-6784●	2.41	2.30	2.20	2.06	1.93
40	135-6785●	1.89	1.82	1.73	1.62	1.52
50	135-6786●	2.50	2.39	2.28	2.14	2.01
60	135-6787●	2.80	2.66	2.54	2.38	2.23

Conan™ Microminiature Connector System



Headers and Receptacles



- High density surface mount pcb stacking system
- Dual row contact
- Low profile design with board location peg
- 21 through to 51 ways
- Approvals: CSA approved UL recognised

1.0mm Pitch (SMT) - continued

Conan™ Microminiature Connector System - continued

Headers and Receptacles - continued

Current rating	1A (max)	Housing	LCP UL94V-0
Withstand voltage	500Vac	Contact	Header: Phosphor Bronze Receptacle: Beryllium Copper
Insulation resistance	≥100MΩ		
Contact resistance	≤30mΩ		
Temperature range	-55°C to +130°C	Plating	15μ Gold in contact area

Mfrs. List No. 91911-311XX=4.15mm Header, 91911-314XX=6.00mm Header, 91931-311XX=Receptacle, where XX=No. of ways

209477

No. of Ways	Order Code	1+	25+	50+	100+	250+	500+
Headers - 4.15mm mated							
31	SMD110-3989	2.35	2.13	1.97	1.77	1.70	1.42
Headers - 6.00mm mated							
21	SMD110-3990	2.37	1.49	1.36	1.22	1.16	1.05
Receptacles							
21	SMD110-3991	2.08	1.92	1.72	1.57	1.49	1.26
31	SMD110-3992	2.63	2.44	2.19	1.98	1.88	1.58
41	SMD110-3993	2.26	2.07	1.87	1.69	1.63	1.37

SH Housings

1mm Pitch



- The world's first 1.0mm (.039") pitch crimp style connector
- Ultra-compact, low profile design
- The contact retention lances allow for easy and secure insertions



Specifications:-

Current Rating	1A	Voltage Rating	50V
Contact Resistance	20mohm	Insulation Resistance	100Mohm
Material	PBT	Operating Temp.	-25°C to 85°C
Flammability Rating	UL94V-0		

528703

No. of Ways	Mfrs. List No.	Order Code	10+	50+	100+	250+	500+
2	SHR-02V-S-B	167-9108	0.040	0.036	0.034	0.032	0.030
3	SHR-03V-S-B	167-9109	0.069	0.063	0.059	0.056	0.052
4	SHR-04V-S-B	167-9110	0.074	0.067	0.063	0.060	0.055
5	SHR-05V-S-B	167-9111	0.075	0.068	0.064	0.060	0.056
6	SHR-06V-S-B	167-9112	0.076	0.070	0.065	0.062	0.057
7	SHR-07V-S-B	167-9113	0.103	0.094	0.088	0.083	0.076
8	SHR-08V-S-B	167-9114	0.106	0.096	0.091	0.085	0.079
9	SHR-09V-S-B	167-9115	0.107	0.098	0.092	0.087	0.081
10	SHR-10V-S-B	167-9116	0.110	0.100	0.094	0.089	0.082

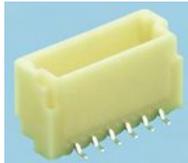
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SH Shrouded Headers

1mm Pitch



Side Entry



Top Entry

- The world's first 1.0mm (.039") pitch crimp style connector
- Ultra-compact, low profile design
- The contact retention lances allow for easy and secure insertions



Specifications:-

Current Rating	1A	Voltage Rating	50V
Contact Material	Copper Alloy	Contact Plating	Tin / Lead
Insulation Resistance	20mohm	Insulation Resistance	100Mohm
Operating Temp.	-25°C to 85°C	Flammability Rating	UL94V-0

528707

No. of Ways	Mfrs. List No.	Order Code	10+	50+	100+	250+	500+
Side Entry							
2	SM02B-SRSS-TB (LF) (SN)	167-9117	0.210	0.194	0.184	0.173	0.160
3	SM03B-SRSS-TB (LF) (SN)	167-9118	0.250	0.220	0.210	0.200	0.185
5	SM05B-SRSS-TB (LF) (SN)	167-9121	0.360	0.330	0.310	0.290	0.270
6	SM06B-SRSS-TB (LF) (SN)	167-9122	0.400	0.370	0.350	0.330	0.300
7	SM07B-SRSS-TB (LF) (SN)	167-9123	0.440	0.400	0.380	0.360	0.330
8	SM08B-SRSS-TB (LF) (SN)	167-9124	0.480	0.440	0.410	0.390	0.360
9	SM09B-SRSS-TB (LF) (SN)	167-9125	0.530	0.480	0.450	0.430	0.400
10	SM10B-SRSS-TB (LF) (SN)	167-9126	0.570	0.520	0.480	0.460	0.430
Top Entry							
2	BM02B-SRSS-TB (LF) (SN)	167-9127	0.220	0.200	0.194	0.184	0.163
3	BM03B-SRSS-TB (LF) (SN)	167-9128	0.260	0.240	0.210	0.200	0.194
4	BM04B-SRSS-TB (LF) (SN)	167-9129	0.300	0.280	0.260	0.250	0.220
5	BM05B-SRSS-TB (LF) (SN)	167-9130	0.370	0.340	0.320	0.300	0.280
6	BM06B-SRSS-TB (LF) (SN)	167-9131	0.420	0.380	0.360	0.340	0.310
7	BM07B-SRSS-TB (LF) (SN)	167-9133	0.460	0.420	0.390	0.370	0.340
8	BM08B-SRSS-TB (LF) (SN)	167-9134	0.510	0.460	0.430	0.410	0.380
9	BM09B-SRSS-TB (LF) (SN)	167-9135	0.550	0.500	0.470	0.440	0.410
10	BM10B-SRSS-TB (LF) (SN)	167-9136	0.580	0.530	0.500	0.470	0.440



SH Series Accessories

Accessories for JST's SH Crimp Style Connectors including crimp leads, contacts and hand tool.

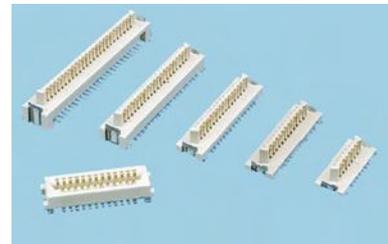


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Crimp Terminal Leads

Length	Mfrs. List No.	Order Code	10+	50+	100+	250+	500+
Socket-to-Socket							
150mm	SH3-SH3-28150	167-9137	0.380	0.320	0.270	0.240	0.200
300mm	SH3-SH3-28300	167-9138	0.440	0.370	0.320	0.280	0.250
Socket-to-Free End							
150mm	SH3-SS5-28150	167-9139	0.280	0.240	0.200	0.173	0.153
300mm	SH3-SS5-28300	167-9140	0.340	0.280	0.240	0.200	0.184
Contacts							
AWG	Mfrs. List No.	Order Code	Price Per Reel (1000 pcs)				
			1+	3+			
Reel of 1000 pcs							
28-32	MINI-SSH-003T-PO.2	167-9141	111.180	100.980			
AWG	Mfrs. List No.	Order Code	Price Each				
			10+	100+			
Single pieces							
28-32	SSH-003T-PO.2	167-9142	0.143	0.122			
Hand Tool							
Mfrs. List No.	Order Code	Price Each					
WC-SH2832	167-9143	1+	580.380				

CONAN® High Density, Low Profile 1.00mm Headers



FCI's Conan® 1.0mm mezzanine connector system provides a mechanically secure, high density electrical interface between parallel PCBs. The mechanical features and palladium / nickel / gold plated electrical contacts qualify it for high reliability use in portable and mobile electronic equipment. Conan connectors also work well in medical and instrumentation environments, communications and networking systems, and in office equipment.

Features and Benefits:-

- 'Snap' engagement contacts assure secure mating with an audible 'click'
- Blade-on-beam contact design allows "peeling" disengagement and prevents contact stubbing
- Connector housings feature "lead-in" angles to assist in mating
- Surface mounted metal hold-downs reinforce connector retention to the PCB
- Mating polarization prevents backward connections
- PCB polarization prevents errors during PCB assembly
- Header height options support a range of PCB stack heights: 4.15mm to 7mm
- 9 part sizes: 9 to 69 contacts
- Conan headers mate with Conan receptacles (91930-211XXLF)
- Lead-free RoHS compatible products satisfy environmental regulations

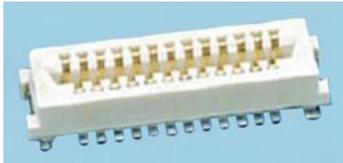
Housing Material	Contact Material	Contact Plating	No. of Mating Cycles	Operating Temperature
LCP	Copper Alloy	0.38 μm (15 μin.) GXT	30	-55°C to 130°C

521971

Mfrs. List No.	Stacking Height	No. of Ways	Order Code	1+	10+	50+	100+
91910-21109LF	0.86mm	9	163-0716	1.15	1.09	1.04	0.96
91910-21111LF	0.86mm	11	163-0717	1.17	1.11	1.06	0.99
91910-21115LF	0.86mm	15	163-0718	1.48	1.40	1.34	1.23
91910-21121LF	0.86mm	21	163-0719	1.57	1.47	1.41	1.31
91910-21125LF	0.86mm	25	163-0720	2.06	1.96	1.85	1.71
91910-21131LF	0.86mm	31	163-0721	2.01	1.91	1.81	1.68
91910-21141LF	0.86mm	41	163-0722	2.53	2.41	2.29	2.12
91910-21151LF	0.86mm	51	163-0723	3.14	2.98	2.82	2.62
91910-21169LF	0.86mm	69	163-0724	3.51	3.33	3.15	2.92
91910-21209LF	1.23mm	9	163-0735	1.20	1.13	1.08	1.01
91910-21211LF	1.23mm	11	163-0736	1.24	1.17	1.11	1.04
91910-21215LF	1.23mm	15	163-0737	1.68	1.60	1.51	1.41
91910-21221LF	1.23mm	21	163-0738	1.89	1.79	1.70	1.59
91910-21225LF	1.23mm	25	163-0741	2.10	2.00	1.90	1.75
91910-21231LF	1.23mm	31	163-0742	1.93	1.82	1.72	1.61
91910-21241LF	1.23mm	41	163-0743	2.74	2.58	2.46	2.29
91910-21251LF	1.23mm	51	163-0744	3.21	3.05	2.89	2.69
91910-21269LF	1.23mm	69	163-0745	4.03	3.81	3.61	3.37
91910-21309LF	1.73mm	9	163-0746	1.15	1.09	1.04	0.96
91910-21311LF	1.73mm	11	163-0747	1.26	1.18	1.12	1.05
91910-21315LF	1.73mm	15	163-0748	1.81	1.71	1.63	1.51
91910-21321LF	1.73mm	21	163-0749	1.81	1.71	1.63	1.50
91910-21325LF	1.73mm	25	163-0750	2.13	2.01	1.92	1.77
91910-21331LF	1.73mm	31	163-0752	2.01	1.91	1.81	1.68
91910-21341LF	1.73mm	41	163-0753	2.51	2.37	2.25	2.08
91910-21351LF	1.73mm	51	163-0754	3.25	3.08	2.91	2.71
91910-21369LF	1.73mm	69	163-0755	4.19	3.96	3.75	3.49
91910-21409LF	2.72mm	9	163-0756	1.21	1.14	1.08	1.01
91910-21411LF	2.72mm	11	163-0757	1.45	1.38	1.32	1.21
91910-21415LF	2.72mm	15	163-0758	1.38	1.31	1.23	1.14

Mfrs. List No.	Stacking Height	No. of Ways	Order Code	Price Each			
				1+	10+	50+	100+
91910-21421LF	2.72mm	21	163-0759	1.82	1.72	1.64	1.51
91910-21425LF	2.72mm	25	163-0760	1.66	1.58	1.48	1.39
91910-21431LF	2.72mm	31	163-0761	2.49	2.35	2.22	2.07
91910-21441LF	2.72mm	41	163-0762	2.98	2.81	2.66	2.47
91910-21451LF	2.72mm	51	163-0764	3.41	3.21	3.06	2.84
91910-21469LF	2.72mm	69	163-0765	3.44	3.25	3.09	2.87
91910-21509LF	3.721mm	9	163-0725	1.71	1.62	1.52	1.42
91910-21511LF	3.721mm	11	163-0727	1.26	1.18	1.12	1.05
91910-21515LF	3.721mm	15	163-0728	1.71	1.62	1.52	1.42
91910-21521LF	3.721mm	21	163-0729	1.74	1.65	1.57	1.45
91910-21525LF	3.721mm	25	163-0730	2.33	2.20	2.08	1.95
91910-21531LF	3.721mm	31	163-0731	2.01	1.91	1.81	1.68
91910-21541LF	3.721mm	41	163-0732	3.09	2.92	2.77	2.57
91910-21551LF	3.721mm	51	163-0733	3.61	3.43	3.23	3.02
91910-21569LF	3.721mm	69	163-0734	4.67	4.43	4.19	3.90

CONAN® High Density, Low Profile 1.00mm Receptacles

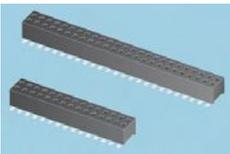


- 'Snap' engagement contacts assure secure mating with an audible 'click'
- The receptacles have a stacking height of 3.28mm supporting a range of PCB stack heights: 4.15mm to 7mm
- 9 part sizes: 9 to 69 contacts
- Conan® receptacles mate with Conan® headers (91910-21XXXXLF)
- Lead-free RoHS compatible products satisfy environmental regulations

Housing Material	Contact Material	Contact Plating	No. of Mating Cycles	Operating Temperature
LCP	Copper Alloy	0.38 µm (15 µin.) GXT	30	-55°C to 130°C

Mfrs. List No.	Stacking Height	No. of Ways	Order Code	Price Each			
				1+	10+	50+	100+
91930-21109LF	3.28mm	9	163-0766	1.30	1.21	1.15	1.07
91930-21111LF	3.28mm	11	163-0767	1.48	1.41	1.34	1.23
91930-21115LF	3.28mm	15	163-0768	1.64	1.56	1.47	1.37
91930-21121LF	3.28mm	21	163-0769	1.90	1.79	1.69	1.58
91930-21125LF	3.28mm	25	163-0770	2.49	2.36	2.23	2.07
91930-21131LF	3.28mm	31	163-0771	2.52	2.38	2.26	2.09
91930-21141LF	3.28mm	41	163-0772	2.98	2.82	2.66	2.48
91930-21151LF	3.28mm	51	163-0773	3.83	3.61	3.43	3.17
91930-21169LF	3.28mm	69	163-0774	4.81	4.56	4.32	4.02

1.0mm Pitch Sockets
CLM, MLE series



- CLM comes with Samtec's Tiger Claw™ contact
- MLE comes with Samtec's Tiger Beam™ contact
- Surface Mount
- Double row
- Pitch - 1.0mm
- Pitch row - 1.0mm

- Durability - 100 cycles
- Mates with Samtec's FTMH series

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	3A	-55°C to 125°C

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	
CLM, Tiger Claw Contacts							
CLM-105-02-L-D	10	166-7552	1.77	1.64	1.35	1.02	0.77
CLM-110-02-L-D	20	166-7553	3.55	3.30	2.71	2.05	1.54
CLM-120-02-L-D	40	166-7554	5.98	5.55	4.57	3.46	2.59
CLM-130-02-L-D	60	166-7556	8.17	7.58	6.25	4.72	3.54
CLM-140-02-L-D	80	166-7557	10.87	10.10	8.31	6.28	4.71
CLM-150-02-L-D	100	166-7558	12.24	11.36	9.36	7.07	5.30
MLE, Tiger Beam Contacts							
MLE-105-01-G-DV	10	166-7846	5.84	4.94	4.07	3.05	2.49
MLE-110-01-G-DV	20	166-7847	6.59	5.57	4.58	3.43	2.80
MLE-120-01-G-DV	40	166-7848	8.07	6.81	5.61	4.20	3.43
MLE-130-01-G-DV	60	166-7849	9.53	8.06	6.64	4.97	4.05
MLE-140-01-G-DV	80	166-7850	11.03	9.31	7.67	5.74	4.68
MLE-150-01-G-DV	100	166-7851	12.49	10.56	8.70	6.51	5.31

1.0mm Micro Headers
FTMH series



- Low profile - 1.79mm
- Orientation - vertical and right angle available
- Pin length - 1.65mm
- Surface Mount
- Double row
- Pitch - 1.0mm
- Mates with Samtec's CLM series

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	
Right Angle							
FTMH-105-03-L-DH	10	166-7715	1.80	1.67	1.37	1.04	0.78
FTMH-110-03-L-DH	20	166-7717	3.60	3.34	2.75	2.08	1.56
FTMH-120-03-L-DH	40	166-7719	6.08	5.65	4.65	3.51	2.64
FTMH-130-03-L-DH	60	166-7721	8.29	7.70	6.34	4.79	3.59
FTMH-140-03-L-DH	80	166-7723	11.05	10.26	8.45	6.38	4.79
FTMH-150-03-L-DH	100	166-7726	13.83	12.84	10.57	7.99	5.99
Vertical							
FTMH-105-03-L-DV	10	166-7716	1.38	1.28	1.06	0.80	0.60
FTMH-110-03-L-DV	20	166-7718	2.78	2.58	2.13	1.61	1.20
FTMH-120-03-L-DV	40	166-7720	4.69	4.36	3.59	2.71	2.03
FTMH-130-03-L-DV	60	166-7722	6.38	5.93	4.88	3.69	2.77
FTMH-140-03-L-DV	80	166-7724	8.52	7.91	6.51	4.92	3.69
FTMH-150-03-L-DV	100	166-7727	10.62	9.87	8.12	6.14	4.60

Solo Stacker



- One piece connector used to connect two PCBs or supported flex
- Due to the unique contact design, the mating device does not have to be parallel
- Extremely robust when subjected to shock and vibration
- Helps reduce tolerance within system

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	50+	100+	250+
Height 1.9 to 2.1mm						
16	00 9158 016 020 061	135-7780	0.54	0.50	0.48	0.44
20	00 9158 020 020 061	135-7781	0.57	0.54	0.50	0.46
24	00 9158 024 020 061	135-7782	0.57	0.54	0.50	0.46
Height 2.1 to 2.7mm						
16	00 9158 016 025 061	135-7784	0.54	0.50	0.48	0.44
20	00 9158 020 025 061	135-7787	0.68	0.63	0.59	0.54
24	00 9158 024 025 061	135-7788	0.58	0.55	0.51	0.47
28	00 9158 028 025 061	135-7789	0.64	0.60	0.55	0.50
Height 2.8mm to 3.3mm						
16	00 9158 016 030 061	135-7790	0.57	0.53	0.50	0.46
20	00 9158 020 030 061	135-7791	0.58	0.55	0.51	0.47
24	00 9158 024 030 061	135-7792	0.58	0.55	0.51	0.47
28	00 9158 028 030 061	135-7793	0.64	0.60	0.55	0.50

One Piece Interface
FSI series



15



- Dual alignment pin locator - top and bottom
- 2x56 threaded insert
- Two profile heights available - 6.0mm, 10.0mm
- Double row
- Surface Mount
- Pitch - 1.0mm

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Beryllium Copper	Gold	1A	-55°C to 125°C

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			1+	10+	50+	100+	
Profile Height 6.0mm							
FSI-110-06-L-D-E-AD	20	166-7679	5.89	4.00	3.34	2.95	2.70
FSI-120-06-L-D-E-AD	40	166-7681	6.66	4.72	3.93	3.48	3.13
FSI-130-06-L-D-E-AD	60	166-7684	7.29	5.16	4.30	3.80	3.48
FSI-140-06-L-D-E-AD	80	166-7686	8.33	6.11	7.89	7.68	7.48
FSI-150-06-L-D-E-AD	100	166-7688	9.27	9.02	8.78	8.55	8.32
Profile Height 10.0mm							
FSI-110-10-L-D-E-AD	20	166-7680	5.80	5.64	5.49	5.34	5.20
FSI-120-10-L-D-E-AD	40	166-7682	6.85	6.67	6.49	6.32	6.15
FSI-130-10-L-D-E-AD	60	166-7685	7.19	7.00	6.81	6.63	6.45
FSI-140-10-L-D-E-AD	80	166-7687	8.42	8.19	7.97	7.76	7.55
FSI-150-10-L-D-E-AD	100	166-7689	9.57	6.95	5.82	5.14	4.70

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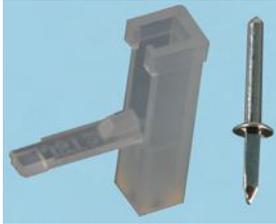
Contact us now:
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Phone: 08447 11 11 11



Single Pin

Single Pin Connectors

1mm Diameter



Small single-circuit connection system which requires only minimal space on high-density printed circuit boards. The crimped lead connects to 1mm diameter pins. The 300mm black lead has a SMF-01T-1.0 female connector on one end and a 3mm stripped/tinned finish on the other.

Current Rating	ac/dc	Contact Resistance
Withstand Voltage	V ac/1min.	Insulation Resistance
Lead	0.5mm ² (AWG 20), 300mm long	PC board Thickness (pin)
Material - Housing	Nylon 66,UL 94V-2, Natural (White)	
Material - Contact	Brass, Tin plated	

348814

Order Multiple=10

Description	Mfrs. List No.	Order Code	10+	100+	250+	500+
Crimped Lead	SMF-20LV300-D	735-6463	0.520	0.490	0.420	0.380
1mm Pin	RT-01T-1.0B(LF)	949-2208	0.116	0.109	0.095	0.084
Housing	1P-SMF	735-6480	0.092	0.086	0.074	0.065

Universal Contacts



- Qualification time reduced - same contact for many components
- Allows standard interface across applications and platforms
- Freedom to position at any angle - not fixed by mating component



Contact Resistance	20mΩ	Base Material	Beryllium Copper
Temperature Range	-40°C to +85°C	Max Current	2A
Cycles	3000		

474792

Pitch	Mfrs. List No.	Order Code	10+	100+	500+	1K+
Contacts						
1.3mm	120220-0210	136-1744	0.155	0.140	0.124	0.093
1.8mm	120220-0202	136-1745	0.155	0.140	0.124	0.093
2.5mm	120220-0161	136-1746	0.155	0.140	0.124	0.093
3.5mm	120220-0204	136-1747	0.197	0.165	0.145	0.114
4mm	120220-0206	136-1748	0.197	0.165	0.145	0.114

15

1.2mm - 1.25mm Pitch Headers and Housings

ACH Crimp Style Connectors

1.2mm Pitch



Housing



Header, Top Entry



The ACH Series Wire to Board connector was originally designed for a DC power supply application and has a 2.0 Amp current rating for both the 2 and 3 circuits, using wire size 28 AWG. These low-profile connectors have a height of only 1.4mm (.055") and a width of 4.3mm (.169"). Uniquely constructed, these 1.2mm (.047") pitch, wire to board connectors feature a socket half that is mated with the header from the vertical direction, while the wires come out from the horizontal direction of the socket connector. The ultra compact, low profile design provides the flexibility for applications that need high performance connectors in tight spaces.

Specifications:-			
Current Rating	2A	Voltage Rating	50V
Contact Material	Copper Alloy	Contact Plating	Gold
Insulation Resistance	10mohm	Insulation Resistance	100Mohm
Operating Temp.	-20°C to 85°C	Flammability Rating	UL94V-0

528712

No. of Ways	Mfrs. List No.	Order Code	10+	50+	100+	500+
Housings						
2	ACHR-02V-S	168-4113	0.057	0.050	0.046	0.040
3	ACHR-03V-S	168-4114	0.059	0.052	0.048	0.042
Top Entry Shrouded Headers						
2	BM02B-ACHSS-GAN-TF (LF)(SN)	168-4116	0.290	0.260	0.230	0.200
3	BM03B-ACHSS-GAN-TF (LF)(SN)	168-4117	0.350	0.310	0.280	0.240

No. of Ways	Mfrs. List No.
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Accessories

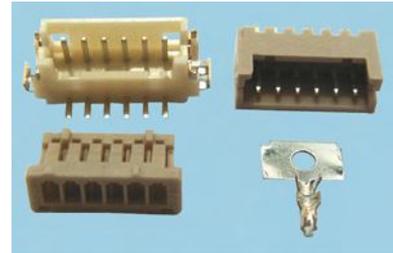
Contacts - Reel of 1000 pcs		Price Per Reel (1000 pcs)
AWG	Mfrs. List No.	1+ 3+ 10+
28-30	MINI-SACH-003G-P0.2	168-4118 141.780 130.560 111.180

Contacts - Single Pieces		Price Each
AWG	Mfrs. List No.	10+ 100+
28-30	SACH-003G-P0.2	168-4120 0.043 0.036

Hand Tool		Price Each
Mfrs. List No.	Order Code	1+ 3+
WC-ACH2830	168-4119	498.780 476.340

DF13-Mini Crimp Connector 1.25mm Pitch

Wire to Board



- 1.25mm pitch
- Straight mounting height: DIP = 5.3mm, SMT = 5.8mm
- Right angle mounting height: DIP & SMT = 3.6mm
- Header is scoop-proof box structure, prevents mis-insertion
- SMT Header equipped with metal fitting solder tab to prevent solder peeling
- Applications: Note PC, mobile terminal and various consumer equipment

Current Rating	1A	Contact Material	Brass
Voltage rating AC	150V	Contact Plating	Tin
Contact Resistance	30mohm	Temperature Range	-35°C to +85°C
Insulation Resistance	500Mohm		

Headers

No. of Ways	Mfrs. List No.	Order Code	10+	100+	500+
Header - Vertical Through Hole					
2	DF13-2P-1.25DSA(20)	132-4877	0.320	0.290	0.270
3	DF13-3P-1.25DSA(20)	132-4878	0.390	0.320	0.290
4	DF13-4P-1.25DSA(20)	132-4879	0.420	0.370	0.360
5	DF13-5P-1.25DSA(20)	132-4880	0.440	0.390	0.380
8	DF13-8P-1.25DSA(20)	132-4884	0.600	0.530	0.520
10	DF13-10P-1.25DSA(20)	132-4886	0.660	0.580	0.560
12	DF13-12P-1.25DSA(20)	132-4888	0.720	0.630	0.610
13	DF13-13P-1.25DSA(20)	132-4889	0.590	0.490	0.480
14	DF13-14P-1.25DSA(20)	132-4890	0.630	0.540	0.520
Header - Right Angle Through Hole					
2	DF13-2P-1.25DS(20)	132-4892	0.270	0.200	0.171
3	DF13-3P-1.25DS(20)	132-4893	0.320	0.230	0.210
5	DF13-5P-1.25DS(20)	132-4896	0.370	0.350	0.280
6	DF13-6P-1.25DS(20)	132-4898	0.470	0.380	0.310
7	DF13-7P-1.25DS(20)	132-4899	0.500	0.390	0.380
8	DF13-8P-1.25DS(20)	132-4900	0.630	0.540	0.430
11	DF13-11P-1.25DS(20)	132-4904	0.880	0.750	0.720
14	DF13-14P-1.25DS(20)	132-4906	0.890	0.710	0.560
Header - Vertical Surface Mount					
2	DF13-2P-1.25V(20)	132-4908	0.270	0.230	0.188
3	DF13-3P-1.25V(20)	132-4909	0.320	0.260	0.220
4	DF13-4P-1.25V(20)	132-4910	0.320	0.290	0.270
5	DF13-5P-1.25V(20)	132-4911	0.420	0.350	0.280
6	DF13-6P-1.25V(20)	132-4912	0.460	0.380	0.290
7	DF13-7P-1.25V(20)	132-4914	0.490	0.410	0.330
8	DF13-8P-1.25V(20)	132-4915	0.610	0.490	0.390
10	DF13-10P-1.25V(20)	132-4917	0.610	0.530	0.520
11	DF13-11P-1.25V(20)	132-4918	0.700	0.610	0.470
12	DF13-12P-1.25V(20)	132-4919	0.740	0.610	0.470
14	DF13-14P-1.25V(20)	132-4920	0.760	0.650	0.640
Dual Row Header - Vertical Surface Mount					
2 x 5	DF13-10DP-1.25V(25)	132-4941	0.660	0.540	0.430
2 x 10	DF13-20DP-1.25V(25)	132-4942	0.930	0.770	0.600
2 x 20	DF13-40DP-1.25V(55)	132-4943	1.650	1.290	0.990
Header - Right Angle Surface Mount					
3	DF13-3P-1.25H(20)	132-4924	0.300	0.260	0.220
4	DF13-4P-1.25H(20)	132-4926	0.380	0.320	0.260
6	DF13-6P-1.25H(20)	132-4928	0.450	0.380	0.310
7	DF13-7P-1.25H(20)	132-4929	0.490	0.430	0.340
8	DF13-8P-1.25H(20)	132-4930	0.590	0.500	0.390
12	DF13-12P-1.25H(20)	132-4934	0.810	0.650	0.510
14	DF13-14P-1.25H(20)	132-4935	0.890	0.710	0.560
15	DF13-15P-1.25H(20)	132-4936	0.920	0.730	0.570

Socket Housing

No. of Ways	Mfrs. List No.	Order Code	10+	100+	500+
Socket Housing - Single Row					
2	DF13-2S-1.25C	132-4861	0.072	0.058	0.054
3	DF13-3S-1.25C	132-4863	0.072	0.058	0.052
4	DF13-4S-1.25C	132-4864	0.100	0.085	0.073
5	DF13-5S-1.25C	132-4865	0.100	0.085	0.076
6	DF13-6S-1.25C	132-4866	0.100	0.085	0.080
7	DF13-7S-1.25C	132-4867	0.100	0.085	0.081
8	DF13-8S-1.25C	132-4868	0.173	0.143	0.127
9	DF13-9S-1.25C	132-4869	0.200	0.173	0.138
10	DF13-10S-1.25C	132-4870	0.173	0.143	0.134
11	DF13-11S-1.25C	132-4872	0.173	0.143	0.136
12	DF13-12S-1.25C	132-4873	0.173	0.143	0.136
13	DF13-13S-1.25C	132-4874	0.220	0.130	0.124
14	DF13-14S-1.25C	132-4875	0.240	0.200	0.167
15	DF13-15S-1.25C	132-4876	0.173	0.143	0.136
Dual Row Socket Housing					
2 x 5	DF13-10DS-1.25C	132-4938	0.100	0.085	0.081
2 x 10	DF13-20DS-1.25C	132-4939	0.130	0.115	0.107
2 x 20	DF13-40DS-1.25C	132-4940	0.157	0.143	0.130

456018

Contacts and Tooling

AWG	Mfrs. List No.	Order Code	100+	1K+
Contacts, Tin Plated				
Female 30-26AWG	DF13-2630SCF	132-4944	0.039	0.026
Contacts, Gold Plated				
Female 30-26AWG	DF13-2630SCFA	132-4945	0.039	0.038
Tooling				
Handtool, DF13	DF13-TB2630HC	132-4946	759.000	

DF13 Wire Assemblies



- Pre-crimped socket-to-socket wire assemblies
- Choice of cable lengths - 150 / 300mm
- Use with Hirose's DF13 Mini Crimp Connectors



Specifications:-

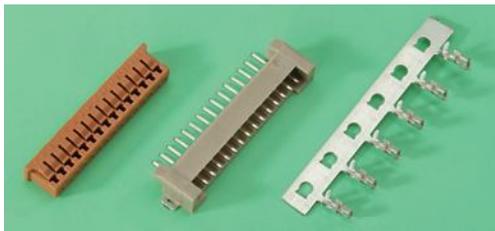
Cond. Resistance	5Ω	Insul. Resistance	5MΩ
Resistance Voltage	200V DC		

528671

Wire Length	Order Code	10+	50+	100+	500+	1K+
150mm	168-8142	0.37	0.31	0.26	0.23	0.21
300mm	168-8143	0.41	0.34	0.29	0.26	0.23

IL-Z series PCB to Wire Connectors

1.25mm Pitch



IL-Z connectors are designed for wire to board applications. The series includes board mounted headers (straight and RA) and wire terminated socket housings.

- 1.25 mm contact spacing
- 2 to 15 contacts
- SMT and through hole pin headers
- boxed pin header design to prevent mismatching
- Anti wicking feature

Current Rating	1A	Withstand Voltage	500V AC rms per minute
Insulation Resistance	100MΩ	Insulator	PPS UL94V-0
Operating Temperature	-40°C to 70°C	PCB Thickness	0.6mm to 1.2mm
Contact Resistance	≤20mΩ	Applicable Wire	32AWG to 28AWG
Pitch	1.25mm		

233425

No. Contacts	Mfrs. List No.	Order Code	5+	100+	250+
Pin Header - SMT - Right Angle					
2	IL-Z-2PL-SMTYE	965-0814	0.230	0.160	0.150
3	IL-Z-3PL-SMTYE	965-0822	0.250	0.200	0.190
4	IL-Z-4PL-SMTYE	965-0830	0.280	0.210	0.200
5	IL-Z-5PL-SMTYE	965-0849	0.300	0.220	0.210
6	IL-Z-6PL-SMTYE	965-0857	0.310	0.230	0.220
8	IL-Z-8PL-SMTYE	965-0865	0.330	0.250	0.240
10	IL-Z-10PL-SMTYE	965-0873	0.360	0.270	0.260
12	IL-Z-12PL-SMTYE	965-0881	0.380	0.300	0.290
15	IL-Z-15PL-SMTYE	965-0890	0.420	0.310	0.300

No.	Mfrs.	Price Each
Pin Header - Through Hole - Straight		
2	IL-Z-2P-S125T3-E	114-5134
3	IL-Z-3P-S125T3-E	114-5135
4	IL-Z-4P-S125T3-E	114-5136
5	IL-Z-5P-S125T3-E	114-5137
6	IL-Z-6P-S125T3-E	114-5138
8	IL-Z-8P-S125T3-E	114-5139
14	IL-Z-14P-S125T3-E	114-5140
15	IL-Z-15P-S125T3-E	114-5141
Socket Housing		
2	IL-Z-2S-S125C3	110-7589
3	IL-Z-3S-S125C3	110-7590
4	IL-Z-4S-S125C3	110-7591
5	IL-Z-5S-S125C3	110-7592
6	IL-Z-6S-S125C3	110-7593
7	IL-Z-7S-S125C3	110-7594
9	IL-Z-9S-S125C3	110-7596
10	IL-Z-10S-S125C3	110-7597
12	IL-Z-12S-S125C3	110-7600
14	IL-Z-14S-S125C3	110-7601
15	IL-Z-15S-S125C3	110-7602
Tools		1+
Crimp Tool	CT150-4C-ILZ	388-7571
		498.010
Contacts		
28-32 AWG	IL-Z-C3-A-15000	110-7603
		2.570 2.390 1.280

Crimped Leads - IL Series



- Pre crimped interconnection leads
- Socket to socket, socket to free end available
- 100 or 200mm lengths



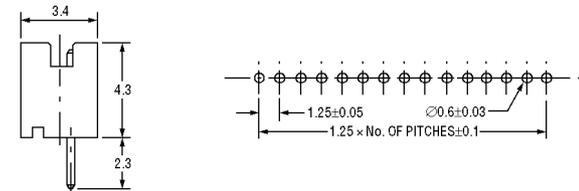
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Pack of 10	Lead Length mm	Mfrs. List No.	Order Code	1+	10+	50+
Description						
Socket / Free	100	ILZ-SL100SE-10	151-9711	2.07	1.84	1.72
Socket / Socket	100	ILZ-SL100SS-10	151-9713	2.89	2.56	2.40
Socket / Free	200	ILZ-SL200SE-10	151-9714	2.18	1.94	1.81
Socket / Socket	200	ILZ-SL200SS-10	151-9715	2.89	2.56	2.40

Crimp Housing and PCB Headers



- Through hole and surface mount headers
- High temperature material for vapour phase, IR or hot air soldering
- Polarised housing
- 3 to 14 position, single row



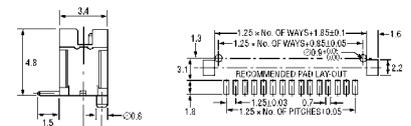
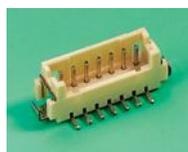
Voltage rating	150V ac/dc	Temperature range	-55°C to 85°C
Current rating	1A ac/dc	Housing: Header	Nylon 4,6 UL94V-0
Dielectric strength	500V ac	Housing: Crimp	Nylon 4,6 UL94V-0
Insulation resistance	1000MΩ (250V dc)		

Mfrs. List No. M30-610XX06, where XX=No. of ways

209383

No of Ways	Order Code	5+	20+	50+	100+	250+	500+
Order Multiple=5							
3	102-2276	0.59	0.57	0.52	0.48	0.44	0.41
4	102-2277	0.50	0.48	0.44	0.41	0.39	0.36
6	102-2278	0.78	0.72	0.67	0.61	0.59	0.56
8	102-2279	0.91	0.89	0.82	0.72	0.69	0.65
10	102-2280	1.02	0.99	0.90	0.83	0.81	0.72
12	102-2281	1.18	1.12	1.02	0.93	0.90	0.83
14	102-2282	1.09	1.06	0.97	0.86	0.83	0.78

PCB Headers (SMT Versions)



Mfrs. List No. M30-600XX06, where XX=No. of ways
Mates with M30-110 Series



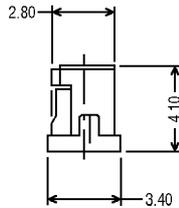
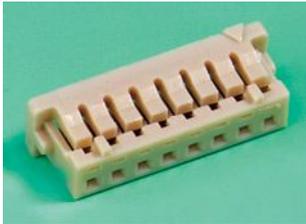
1.2mm - 1.25mm Pitch Headers and Housings - continued

PCB Headers (SMT Versions) - continued

209382

Order Multiple=5		Price Each					
No of Ways	Order Code	5+	20+	50+	100+	250+	500+
3	SMD102-2268	0.60	0.59	0.52	0.48	0.47	0.42
4	SMD102-2269	0.77	0.75	0.69	0.63	0.60	0.55
6	SMD102-2270	0.86	0.84	0.74	0.70	0.66	0.64
8	SMD102-2272	1.02	0.99	0.88	0.80	0.76	0.71
10	SMD102-2273	0.82	0.77	0.70	0.66	0.62	0.57
12	SMD102-2274	1.39	1.33	1.22	1.11	1.05	1.00
14	SMD102-2275	1.52	1.49	1.31	1.22	1.14	1.05

Crimp Terminal Housing



FOR SUITABLE CRIMP TERMINALS, 889-246 See below

Mfrs. List No. M30-110XX00, where XX=No. of ways
Mates with M30-600 and M30-610

209385

Order Multiple=10		Price Each					
No of Ways	Order Code	10+	50+	100+	250+	500+	1000+
3	889-179	0.188	0.183	0.177	0.154	0.141	0.130
4	889-180	0.200	0.194	0.180	0.158	0.154	0.145
6	889-192	0.220	0.210	0.187	0.163	0.152	0.140
8	889-209	0.220	0.210	0.185	0.174	0.161	0.151
10	889-210	0.220	0.210	0.199	0.189	0.179	0.169
12	889-222	0.178	0.170	0.162	0.153	0.143	0.135
14	889-234	0.250	0.220	0.200	0.187	0.183	0.165

Crimp Terminal



Insulation Diameter=1.0 max, Strip length=1.2-1.9mm

209381

105 Per Pack			Price Pack			
Finish	AWG	Mfrs. List No.	Order Code	1+	5+	10+
Tin	26-30	M30-1010046	102-2267	6.50	5.88	5.12

Crimp Tool



209379

Mfrs. List No.	Order Code	Price Each
Z30-020	889-258	841.13

Crimp Housing and PCB Headers

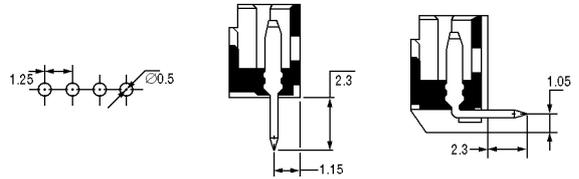
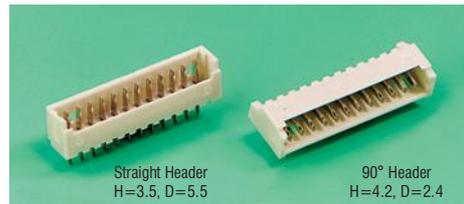


- 1.25mm high density, wire to board connectors
- 2 to 10 way
- Through hole and SMT version pcb headers
- Polarised housing
- Low mating force
- Low profile

Voltage rating	125V	Temperature range	-40°C to +85°C
Current rating	1.0A (0.8A for 32 AWG)	Housing	GF Nylon UL94V-0
Dielectric strength	250Vac/1 min	Terminal	Phosphor Bronze, Tin plated
Insulation resistance	100MΩ		

209376

1.25mm PicoBlade Wire-to-Board Headers

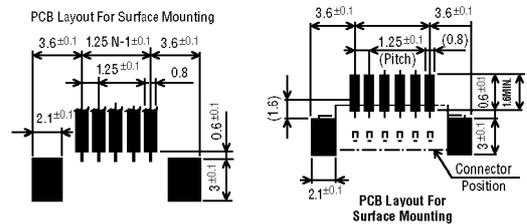
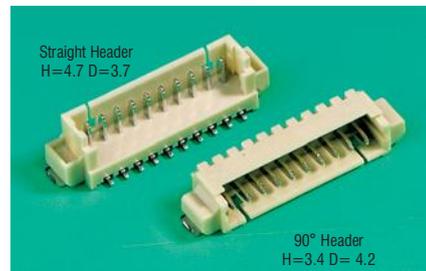


Mfrs. List No. Straight header=53047-XX10, 90° Header=53048-XX10, where XX=No. of ways

209377

Order Multiple=5		Price Each				
No of Ways	Order Code	5+	100+	250+	500+	1K+
Straight Header						
3	973-2853	0.230	0.189	0.165	0.132	0.105
4	973-3060	0.280	0.230	0.198	0.154	0.116
5	973-2861	0.340	0.280	0.240	0.176	0.136
6	973-3078	0.410	0.330	0.290	0.220	0.147
7	973-2870	0.450	0.360	0.320	0.240	0.168
8	101-2258	0.500	0.400	0.350	0.290	0.179
9	973-2888	0.540	0.440	0.390	0.320	0.200
10	973-3086	0.580	0.460	0.410	0.340	0.220
12	973-2896	0.660	0.540	0.470	0.390	0.340
13	101-2238	1.170	0.950	0.840	0.680	0.430
14	973-2900	1.200	0.970	0.850	0.690	0.400
90° Header						
2	101-2259	0.220	0.176	0.154	0.121	0.084
3	973-2918	0.240	0.200	0.176	0.132	0.105
5	973-2926	0.390	0.310	0.280	0.198	0.136
6	101-2260	0.450	0.360	0.320	0.230	0.147
7	973-2934	0.500	0.400	0.350	0.290	0.168
8	973-3094	0.540	0.440	0.390	0.320	0.188
9	101-2239	0.590	0.480	0.420	0.340	0.200
10	973-3108	0.620	0.500	0.440	0.360	0.230
14	101-2240	0.850	0.690	0.610	0.470	0.300
15	973-2942	0.780	0.630	0.550	0.520	0.480

PCB Headers (SMT Versions)



● Metal strain relief tabs

Mfrs. List No. Straight Header=53398-XX90, 90 Header=53261-XX90, where XX=No. of ways

209390

Order Multiple=5		Price Each				
No. of Ways	Order Code	5+	100+	250+	500+	1K+
Straight Header						
2	SMD112-5366	0.69	0.54	0.51	0.39	0.35
3	SMD112-5353	0.80	0.71	0.62	0.48	0.44
4	SMD112-5367	0.80	0.64	0.56	0.44	0.37
5	SMD112-5354	0.95	0.88	0.76	0.59	0.53
6	SMD112-5368 RL	1.17	0.95	0.82	0.63	0.56
7	SMD978-6368	0.95	0.88	0.82	0.69	0.63
8	SMD112-5371	1.35	1.07	0.95	0.72	0.64
9	SMD112-5355	1.19	0.96	0.91	0.72	0.60
10	SMD112-5372	1.26	1.01	0.94	0.78	0.66
11	SMD978-6376	0.99	0.80	0.71	0.62	0.54

Straight Header						
12	SMD112-5356●	1.74	1.40	1.22	0.94	0.81
14	SMD978-6384●	1.49	1.16	1.05	0.94	0.85
15	SMD112-5358●	1.93	1.60	1.39	1.07	0.99
90° Header						
2	SMD112-5373●	0.77	0.62	0.54	0.41	0.37
3	SMD112-5359●	0.89	0.75	0.66	0.50	0.45
4	SMD112-5374●	0.95	0.83	0.72	0.55	0.50
5	SMD112-5360●	0.97	0.78	0.62	0.50	0.42
6	SMD112-5375●	1.12	0.98	0.85	0.65	0.57
7	SMD112-5361●	1.19	1.05	0.92	0.70	0.63
8	SMD112-5376●	1.26	1.12	0.97	0.75	0.64
9	SMD112-5362●	1.35	1.21	1.05	0.81	0.68
10	SMD112-5377●	1.31	1.05	0.92	0.72	0.60
12	SMD112-5363●	1.57	1.43	1.25	0.96	0.84
14	SMD112-5364●	1.88	1.46	1.35	1.06	0.93
15	SMD112-5365●	1.77	1.62	1.44	1.11	0.99

1.25mm PicoBlade Wire-to-Board Crimp Receptacle Housings



Receptacle Housing
H=3.95 D=3.2

Board-in Housing
H=3.5, D=2.2

- Receptacle and board-in housing

Mfrs. List No. Receptacle Housing=51021-XX00, Board-In=51022-XX00, where XX=No. of ways

209378

Order Multiple=5						
No of Ways	Order Code	5+	100+	Price Each	500+	1K+
Receptacle Housing						
2	889-477●	0.095	0.075	0.066	0.055	0.051
3	615-092●	0.108	0.087	0.077	0.066	0.061
4	973-3116●	0.135	0.113	0.099	0.077	0.071
5	615-109●	0.162	0.125	0.110	0.088	0.081
6	101-2261●	0.176	0.138	0.121	0.099	0.092
7	615-110●	0.189	0.151	0.132	0.110	0.102
8	101-2262●	0.220	0.176	0.154	0.121	0.112
9	615-122●	0.230	0.189	0.165	0.121	0.112
10	973-3124●	0.240	0.200	0.176	0.143	0.132
11	615-134	0.260	0.200	0.185	0.163	0.143
12	121-1003●	0.270	0.210	0.187	0.154	0.126
13	615-158●	0.300	0.240	0.210	0.165	0.153
14	615-160●	0.320	0.260	0.230	0.176	0.163
15	101-2242●	0.340	0.280	0.240	0.187	0.173
Board-in Housing						
2	101-2263●	0.058	0.047	0.041	0.037	0.034
3	615-183●	0.096	0.075	0.067	0.060	0.052
4	101-2264●	0.122	0.098	0.089	0.079	0.067
5	615-195●	0.144	0.112	0.102	0.090	0.080
6	101-2266●	0.147	0.118	0.102	0.095	0.085
8	101-2267●	0.155	0.122	0.112	0.097	0.087

1.25mm PicoBlade Wire-to-Board Pre-Crimped Leads



- Pre-crimped interconnecting leads
- Crimped socket to socket, socket to board-in and socket to free end
- Available in 150mm and 300mm lengths

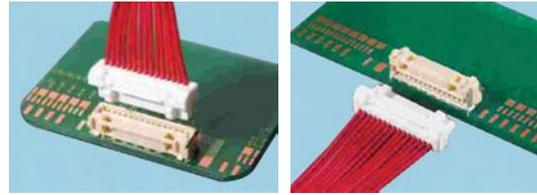
209399

10 Per Pack Length	Mfrs. List No.	Order Code	1+	Price Per Pack	5+	10+
150mm						
Crimp socket to socket	06-66-0012	112-5272●	7.12	6.01	5.51	
Crimp socket to board-in	06-66-0016	112-5273●	6.89	5.81	5.32	
300mm						
Crimp socket to socket	06-66-0013	112-5274●	7.15	5.97	5.57	
Crimp socket to board-in	06-66-0017	112-5275●	5.72	4.77	4.46	
Crimp socket to free end	06-66-0015	112-5276●	4.81	4.07	3.68	

CLIK-Mate™ SMT Wire-to-Board Connectors



1.25mm Pitch



Vertical

Right Angle



Molex's new 1.25mm pitch SMT CLIK-Mate series has a superior lock design that offers easier use and better mating retention compared to competitive versions. This series also provides about 60% space savings compared to similar dual-lock 2.00mm pitch versions.

The CLIK-Mate 1.25mm series was designed for applications such as LCD TVs that require higher pin count connectors to carry more signal lines in less space. The connectors in this series have a unique tuning fork terminal concept that provides low insertion force and secure mating contact.

Benefits of the 1.25 pitch SMT CLIK-Mate series:

- Audible click, low insertion force and secure mating
- Secure contact and avoids terminal stubbing
- Easy and quick mating operators
- Housing wall support and secure PCB retention
- Reinforced metal solder tabs
- No costly capton tape needed

Housing Material	Contact Material	Contact Plating	Voltage	Current Rating	Operating Temperature
Polybutylene Terephthalate	Copper Alloy	Tin	50V	1A	-25°C to 85°C

519890

Mfrs. List No.	No. of Ways	Order Code	10+	100+	Price Each	250+	500+	1K+
Crimp Housings								
502380-0200	2	162-0773●	0.069	0.059	0.054	0.049	0.045	
502380-0300	3	162-0774●	0.071	0.061	0.056	0.051	0.046	
502380-0400	4	162-0775●	0.072	0.061	0.057	0.051	0.047	
502380-0500	5	162-0776●	0.078	0.066	0.061	0.055	0.050	
502380-0600	6	162-0777●	0.080	0.067	0.062	0.056	0.051	
502380-0800	8	162-0778●	0.084	0.071	0.065	0.059	0.054	
502380-1000	10	162-0779●	0.122	0.104	0.096	0.087	0.079	
502380-1200	12	162-0780●	0.123	0.105	0.097	0.088	0.080	
502380-1400	14	162-0781●	0.124	0.106	0.098	0.088	0.081	
Vertical Receptacles								
502382-0270	2	162-0783●	0.300	0.260	0.230	0.210	0.190	
502382-0370	3	162-0785●	0.310	0.270	0.240	0.220	0.199	
502382-0470	4	162-0786●	0.340	0.290	0.270	0.240	0.210	
502382-0570	5	162-0787●	0.350	0.300	0.280	0.250	0.220	
502382-0670	6	162-0788●	0.360	0.310	0.290	0.260	0.230	
502382-0870	8	162-0789●	0.390	0.330	0.310	0.280	0.250	
502382-1070	10	162-0790●	0.380	0.320	0.300	0.270	0.240	
502382-1270	12	162-0791●	0.440	0.380	0.350	0.320	0.290	
502382-1470	14	162-0792●	0.440	0.380	0.350	0.310	0.290	
R/A Receptacles								
502386-0270	2	162-0793●	0.300	0.260	0.230	0.210	0.192	
502386-0370	3	162-0795●	0.310	0.270	0.240	0.220	0.197	
502386-0470	4	162-0796●	0.350	0.300	0.270	0.240	0.220	
502386-0570	5	162-0797●	0.350	0.300	0.270	0.240	0.220	
502386-0670	6	162-0798●	0.360	0.310	0.280	0.260	0.230	
502386-0870	8	162-0799●	0.340	0.290	0.270	0.240	0.220	
502386-1070	10	162-0801●	0.390	0.330	0.310	0.280	0.250	
502386-1270	12	162-0802●	0.410	0.350	0.320	0.290	0.270	
502386-1470	14	162-0803●	0.420	0.360	0.330	0.300	0.280	
Pre-Crimped Leads								
85409-0051	300mm, 1.25mm	162-0804●	0.420	0.360	0.330	0.300	0.270	
85409-0052	150mm, 1.25mm	162-0805●	0.280	0.240	0.220	0.197	0.180	

1.25mm Wire-to-Board Receptacle Housings



- 1.25mm pitch
- Single Row
- Free-Hanging
- Flammability rating - UL 94V-0
- Mates with 1251SM, 1251RM, 1251S, 1251R series



Insulator Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
Nylon 6,6	Phosphor Bronze	Tin	1A	125V AC/DC	-40 to 85°C

524143

Mfrs. List No.	No. of Ways	Order Code	5+	100+	Price Each	250+	500+	1K+
1250HM-02	2	157-8138●	0.031	0.022	0.019	0.016	0.012	
1250HM-03	3	157-8139●	0.046	0.034	0.029	0.022	0.018	
1250HM-04	4	157-8140●	0.062	0.045	0.039	0.031	0.025	
1250HM-05	5	157-8141●	0.076	0.055	0.048	0.039	0.031	
1250HM-06	6	157-8142●	0.092	0.066	0.057	0.046	0.037	
1250HM-07	7	157-8143●	0.108	0.076	0.067	0.054	0.044	
1250HM-08	8	157-8144●	0.122	0.089	0.076	0.062	0.049	
1250HM-09	9	157-8146●	0.137	0.099	0.086	0.068	0.055	
1250HM-10	10	157-8147●	0.154	0.110	0.096	0.076	0.062	
1250HM-11	11	157-8148●	0.168	0.120	0.105	0.084	0.067	
1250HM-12	12	157-8149●	0.183	0.131	0.114	0.092	0.073	

1.2mm - 1.25mm Pitch Headers and Housings - continued

1.25mm Wire-to-Board Receptacle Housings - continued

1250HM - continued

Mfrs. List No.	No. of Ways	Order Code	5+	100+	250+	500+	1K+
1250HM-13	13	157-8150	0.199	0.141	0.125	0.100	0.080
1250HM-14	14	157-8151	0.210	0.154	0.134	0.108	0.086
1250HM-15	15	157-8152	0.220	0.164	0.144	0.114	0.092
Crimp Socket							
1250TM	30-32 AWG	157-8216	0.019	0.015	0.012	0.010	0.008

1.25mm Wire-to-Board Headers

1251SM / 1251RM series



Right Angle



Vertical

- 1.25mm pitch
- Single Row
- Vertical and Right Angle headers available
- Flammability rating - UL 94V-0
- 1251SM and 1251RM mate with 1250HM series



Insulator Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
Nylon 6,6	Phosphor Bronze	Tin	1A	125V AC/DC	-40 to 85°C

524156

Mfrs. List No.	No. of Ways	Order Code	5+	100+	250+	500+	1K+
Vertical							
1251SM-02	2	157-8153	0.135	0.098	0.084	0.067	0.055
1251SM-03	3	157-8154	0.154	0.110	0.096	0.076	0.062
1251SM-04	4	157-8155	0.176	0.126	0.111	0.089	0.071
1251SM-05	5	157-8156	0.220	0.160	0.139	0.112	0.090
1251SM-06	6	157-8158	0.270	0.188	0.166	0.132	0.107
1251SM-07	7	157-8159	0.310	0.220	0.191	0.154	0.122
1251SM-08	8	157-8160	0.360	0.250	0.220	0.176	0.141
1251SM-09	9	157-8161	0.400	0.280	0.250	0.196	0.158
1251SM-10	10	157-8162	0.450	0.310	0.280	0.220	0.176
1251SM-11	11	157-8163	0.490	0.350	0.300	0.250	0.193
1251SM-12	12	157-8164	0.540	0.380	0.340	0.270	0.210
1251SM-13	13	157-8165	0.570	0.420	0.360	0.280	0.220
1251SM-14	14	157-8166	0.620	0.440	0.390	0.310	0.250
1251SM-15	15	157-8167	0.660	0.470	0.420	0.330	0.270
Right Angle							
1251RM-02	2	157-8168	0.290	0.200	0.176	0.141	0.113
1251RM-03	3	157-8171	0.330	0.220	0.199	0.159	0.127
1251RM-04	4	157-8172	0.370	0.260	0.220	0.180	0.145
1251RM-05	5	157-8173	0.390	0.280	0.250	0.194	0.156
1251RM-06	6	157-8174	0.430	0.310	0.280	0.220	0.172
1251RM-07	7	157-8175	0.480	0.350	0.300	0.240	0.194
1251RM-08	8	157-8176	0.570	0.420	0.360	0.290	0.220
1251RM-09	9	157-8177	0.610	0.440	0.390	0.310	0.250
1251RM-10	10	157-8178	0.710	0.510	0.450	0.360	0.290
1251RM-11	11	157-8179	0.750	0.540	0.470	0.380	0.310
1251RM-12	12	157-8180	0.810	0.580	0.520	0.420	0.340
1251RM-13	13	157-8181	0.840	0.600	0.530	0.430	0.340
1251RM-14	14	157-8183	0.880	0.620	0.550	0.440	0.360
1251RM-15	15	157-8184	0.910	0.650	0.570	0.460	0.370

15

1.25mm Wire-to-Board SMT Headers

1251S / 1251R series



Vertical



Right Angle

- 1.25mm pitch
- Single Row
- SMT
- Vertical and Right Angle headers available
- Flammability rating - UL 94V-0
- 1251S and 1251R mate with 1250HM series



Insulator Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
Nylon 4,6	Phosphor Bronze	Tin	1A	125V AC/DC	-40 to 85°C

524156

Mfrs. List No.	No. of Ways	Order Code	5+	100+	250+	500+	1K+
Vertical							
1251S-02-SM1	2	157-8185	0.270	0.194	0.172	0.137	0.114
1251S-03-SM1	3	157-8186	0.330	0.220	0.210	0.160	0.137
1251S-04-SM1	4	157-8187	0.310	0.220	0.194	0.160	0.126
1251S-05-SM1	5	157-8188	0.420	0.300	0.270	0.210	0.172
1251S-06-SM1	6	157-8189	0.460	0.340	0.290	0.220	0.183
1251S-07-SM1	7	157-8190	0.510	0.360	0.310	0.250	0.210
1251S-08-SM1	8	157-8191	0.570	0.420	0.360	0.290	0.220
1251S-09-SM1	9	157-8192	0.640	0.460	0.400	0.330	0.270



Mfrs. List No.	No. of Ways	Order Code	5+	100+	250+	500+	1K+
Vertical							
1251S-10-SM1	10	157-8193	0.710	0.510	0.450	0.360	0.290
1251S-11-SM1	11	157-8195	0.620	0.450	0.390	0.310	0.250
1251S-12-SM1	12	157-8196	0.670	0.480	0.430	0.350	0.280
1251S-13-SM1	13	157-8197	0.730	0.530	0.460	0.370	0.300
1251S-14-SM1	14	157-8198	0.790	0.560	0.490	0.400	0.330
1251S-15-SM1	15	157-8199	0.850	0.610	0.530	0.430	0.350
Right Angle							
1251R-02-SM1	2	157-8201	0.270	0.194	0.172	0.137	0.114
1251R-03-SM1	3	157-8202	0.330	0.220	0.210	0.160	0.137
1251R-04-SM1	4	157-8203	0.310	0.220	0.194	0.160	0.126
1251R-05-SM1	5	157-8204	0.420	0.300	0.270	0.210	0.172
1251R-06-SM1	6	157-8205	0.460	0.340	0.290	0.220	0.183
1251R-07-SM1	7	157-8206	0.510	0.360	0.310	0.250	0.210
1251R-08-SM1	8	157-8207	0.570	0.420	0.360	0.290	0.220
1251R-09-SM1	9	157-8208	0.640	0.460	0.400	0.330	0.270
1251R-10-SM1	10	157-8209	0.710	0.510	0.450	0.360	0.290
1251R-11-SM1	11	157-8210	0.620	0.450	0.390	0.310	0.250
1251R-12-SM1	12	157-8211	0.670	0.480	0.430	0.350	0.280
1251R-13-SM1	13	157-8213	0.730	0.530	0.460	0.370	0.300
1251R-14-SM1	14	157-8214	0.790	0.560	0.490	0.400	0.330
1251R-15-SM1	15	157-8215	0.850	0.610	0.530	0.430	0.350

Wire Assemblies



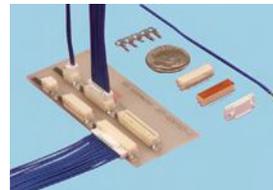
- Socket-free end / socket-socket
- Socket ends are Multicom 1.25mm crimp socket 1250-TM
- 2 wire lengths available - 150mm & 300mm
- Wire size - 28AWG

525189

Wire Length	Order Code	10+	50+	100+	500+
Socket-Free end					
150mm	165-6583	0.34	0.29	0.27	0.25
300mm	165-6584	0.43	0.37	0.35	0.31
Socket-Socket					
150mm	165-6585	0.42	0.36	0.34	0.30
300mm	165-6586	0.52	0.45	0.42	0.37

GH Connector

1.25mm



- Secure locking structure
- Contact lock provides a positive click when mated
- Fork-shaped header contacts prevents deformation of contacts

494257

No. of Mfrs. Ways	List No.	Order Code	5+	50+	100+	250+
Order Multiple=5						
SMT Vertical Header						
2	BM02B-GHS-TBT (LF)(SN)	151-6205	0.470	0.410	0.370	0.340
3	BM03B-GHS-TBT (LF)(SN)	151-6207	0.500	0.450	0.390	0.360
4	BM04B-GHS-TBT (LF)(SN)	151-6208	0.530	0.470	0.410	0.380
5	BM05B-GHS-TBT (LF)(SN)	151-6209	0.560	0.490	0.440	0.390
6	BM06B-GHS-TBT (LF)(SN)	151-6210	0.650	0.580	0.510	0.470
7	BM07B-GHS-TBT (LF)(SN)	151-6211	0.680	0.600	0.530	0.480
8	BM08B-GHS-TBT (LF)(SN)	151-6212	0.710	0.620	0.560	0.500
9	BM09B-GHS-TBT (LF)(SN)	151-6213	0.730	0.640	0.580	0.520
10	BM10B-GHS-TBT (LF)(SN)	151-6214	0.770	0.690	0.610	0.540
11	BM11B-GHS-TBT (LF)(SN)	151-6215	0.840	0.730	0.650	0.590
12	BM12B-GHS-TBT (LF)(SN)	151-6216	0.850	0.740	0.650	0.590
13	BM13B-GHS-TBT (LF)(SN)	151-6217	0.900	0.780	0.700	0.630
14	BM14B-GHS-TBT (LF)(SN)	151-6219	0.900	0.780	0.700	0.630
15	BM15B-GHS-TBT (LF)(SN)	151-6221	0.930	0.820	0.720	0.650
SMT 90° Header						
2	SM02B-GHS-TB (LF)(SN)	151-6222	0.470	0.410	0.370	0.340
3	SM03B-GHS-TB (LF)(SN)	151-6223	0.500	0.450	0.390	0.360
4	SM04B-GHS-TB (LF)(SN)	151-6224	0.530	0.470	0.410	0.380
5	SM05B-GHS-TB (LF)(SN)	151-6225	0.560	0.490	0.440	0.390
6	SM06B-GHS-TB (LF)(SN)	151-6226	0.650	0.580	0.510	0.470
7	SM07B-GHS-TB (LF)(SN)	151-6227	0.690	0.600	0.530	0.480
8	SM08B-GHS-TB (LF)(SN)	151-6228	0.710	0.620	0.560	0.500
9	SM09B-GHS-TB (LF)(SN)	151-6229	0.730	0.640	0.580	0.520
10	SM10B-GHS-TB (LF)(SN)	151-6230	0.770	0.690	0.610	0.540
11	SM11B-GHS-TB (LF)(SN)	151-6232	0.840	0.730	0.650	0.590
12	SM12B-GHS-TB (LF)(SN)	151-6233	0.850	0.740	0.650	0.590
13	SM13B-GHS-TB (LF)(SN)	151-6234	0.900	0.780	0.700	0.630
14	SM14B-GHS-TB (LF)(SN)	151-6235	0.900	0.780	0.700	0.630
15	SM15B-GHS-TB (LF)(SN)	151-6236	0.930	0.820	0.720	0.650
Housing						
2	GHR-02V-S	151-6237	0.086	0.080	0.073	0.066
3	GHR-03V-S	151-6238	0.093	0.079	0.073	0.066
4	GHR-04V-S	151-6240	0.099	0.086	0.079	0.068



Order Multiple=5						
No. of	Mftrs.		Price Each			
Housing						
5	GHR-05V-S	151-6241●	0.126	0.112	0.099	0.093
6	GHR-06V-S	151-6242●	0.126	0.112	0.099	0.093
7	GHR-07V-S	151-6244●	0.130	0.112	0.099	0.093
8	GHR-08V-S	151-6246●	0.220	0.188	0.166	0.156
9	GHR-09V-S	151-6247●	0.130	0.112	0.099	0.088
10	GHR-10V-S	151-6248●	0.130	0.120	0.106	0.090
11	GHR-11V-S	151-6249●	0.130	0.120	0.106	0.092
12	GHR-12V-S	151-6250●	0.136	0.120	0.106	0.099
13	GHR-13V-S	151-6251●	0.136	0.120	0.106	0.099
14	GHR-14V-S	151-6252●	0.136	0.126	0.112	0.096
15	GHR-15V-S	151-6253●	0.143	0.126	0.112	0.097
Order Multiple=100			100+	500+	1K+	
Crimp Socket	MINI-SSHL-002T-PO.2	151-6254●	0.077	0.066	0.061	
Order Multiple=1						
Hand Tool	WC-GH2630	151-6256	500.500			

1.27mm Pitch Headers and Housings

M50 - Series PCB Through Hole Headers and Sockets



- 1.27mm pitch
 - 1.27mm row spacing
- Housings Thermoplastic (UL94V-0)
 Contacts Copper Alloy, plated Gold / Tin
 Temperature Range -40°C to 105°C
 Current Rating 1A
 Contact resistance 40Ω max
 Insulation resistance 1000MΩ min
 Dielectric Voltage 500Vac min

Mftrs. List No:	Double row headers straight	M50-350xx22
	Double row headers right angled	M50-390xx22
	Double row vertical sockets	M50-300xx22
	Double row R/A sockets	M50-320xx45

Where xx = No of pins on 1 side of connector I.E 05 for 10 way

209509

No. of Ways	Order Code	5+	25+	Price Each		
Dual Row Headers						
5+5	102-2305●	0.59	0.56	0.53	0.50	0.48
10+10	102-2306●	1.07	1.01	0.98	0.93	0.90
20+20	102-2307●	1.96	1.84	1.76	1.67	1.59
25+25	102-2308●	2.29	2.16	2.06	1.93	1.86
50+50	102-2309●	4.03	3.78	3.61	3.45	3.31
Dual Row Headers, Right Angled						
5+5	102-2316●	0.70	0.65	0.63	0.61	0.57
10+10	102-2317●	1.50	1.41	1.33	1.28	1.22
20+20	102-2318●	2.39	2.24	2.15	2.05	1.94
25+25	102-2319●	2.40	2.27	2.16	2.05	1.98
50+50	102-2320●	4.58	4.29	4.09	3.88	3.76
Dual Row Vertical Sockets						
5+5	102-2299●	0.99	0.92	0.89	0.81	0.80
10+10	102-2300●	1.37	1.27	1.20	1.16	1.12
20+20	102-2302●	2.21	2.09	1.96	1.90	1.79
25+25	102-2303●	2.59	2.42	2.32	2.19	2.12
50+50	102-2304●	4.73	4.45	4.22	4.04	3.88
Dual Row R/A Sockets						
5+5	109-9534●	1.38	1.30	1.24	1.18	1.13
10+10	109-9535●	2.74	2.57	2.46	2.33	2.23
50	109-9537●	5.02	4.72	4.53	4.26	4.11

M50 - Series, Surface Mount Headers and Sockets



- 1.27mm pitch
- 1.27mm Row Spacing



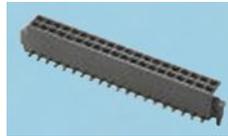
Housings	Thermoplastic (UL94V-0)	Contact resistance	40Ω max
Contacts	Copper Alloy, plated Gold	Insulation resistance	1000MΩ min
Temperature Range	-40°C to +105°C	Dielectric Voltage	500Vac min
Current Rating	1A		
Mftrs. List No:	Dual row SMT Socket, 4.45mm High	M50-310xx45	
	Dual row socket SMT polarised	M50-430xx45	
	Dual row, dual entry SMT socket	M50-315xx42	
	Dual row SMT header	M50-360xx42	
	Dual row SMT header	M50-360xx22 (Not RoHS compliant)	
	Dual row SMT polarised header	M50-490xx45	

Where xx = No of pins on 1 side of connector eg. 05 for 10 way

419302

No. of Ways	Order Code	1+	25+	Price Each		
Dual Row Socket						
10	109-9523●	1.38	1.30	1.24	1.18	1.13
20	109-9524●	2.46	2.31	2.21	2.10	2.01
40	109-9525●	4.03	3.78	3.62	3.42	3.28
50	109-9526●	5.02	4.72	4.53	4.26	4.11
100	109-9527●	9.94	9.30	8.93	8.43	8.13
Dual Row Polarised Socket						
10	109-9529●	1.54	1.45	1.38	1.31	1.26
20	109-9531●	2.74	2.57	2.46	2.33	2.23
40	109-9532●	4.47	4.19	4.01	3.80	3.64
50	109-9533●	3.72	3.51	3.36	3.17	3.05
Dual Row, Dual Entry Socket						
10	118-9107●	1.13	1.07	1.03	0.98	0.95
20	118-9108●	1.73	1.64	1.57	1.53	1.48
40	118-9109●	2.49	2.36	2.22	2.15	2.08
50	118-9110●	3.11	2.96	2.78	2.70	2.62
Dual Row Header						
10	102-2310●	0.56	0.53	0.50	0.48	0.47
20	102-2311●	1.16	1.07	1.03	0.99	0.96
40	102-2312●	1.88	1.77	1.70	1.60	1.56
50	102-2314●	2.49	2.33	2.23	2.14	2.07
100	102-2315●	4.74	4.43	4.24	4.05	3.89
Dual Row Polarised Shrouded Header						
10	109-9538●	1.72	1.63	1.54	1.47	1.41
20	109-9539●	2.99	2.81	2.70	2.56	2.46
40	109-9540●	4.90	4.59	4.40	4.15	4.02
50	109-9542●	4.60	4.32	4.14	3.90	3.75

M50 Sockets



- Double row vertical sockets
- Locating pegs to ensure correct positioning on the PCB
- SMT
- 1.27mm pitch, 1.27mm pitch row
- 600 mating cycles
- Flammability rating - UL94V-0



Moulding Material	Contact Material	Contact Plating	Current Rating	Withstanding Voltage	Operating Temperature
High Temp. Thermoplastic	Copper Alloy	Gold	1A	600V	-55°C to 105°C

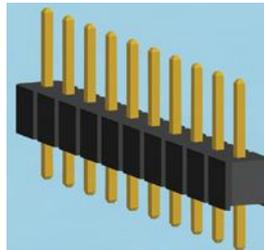
524093

Mftrs. Part No.	No. of Ways	Order Code	1+	25+	Price Each		
M50-3110542	10	156-9227●	1.40	1.30	1.11	1.07	1.03
M50-3111042	20	156-9228●	2.50	2.32	1.98	1.90	1.83
M50-3112542	50	156-9229●	5.10	4.73	4.04	3.88	3.73

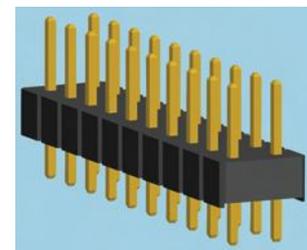
M52 - Series, PCB Through Hole Headers and Sockets



15



Single row header



Dual row header

- 1.27mm pitch
 - 2.54mm row spacing on dual row products
- | | | | |
|-------------------|---------------------------|-----------------------|------------|
| Housings | Thermoplastic (UL94V-0) | Contact resistance | 40Ω max |
| Contacts | Copper Alloy, plated Gold | Insulation resistance | 1000MΩ min |
| Temperature Range | -40°C to +105°C | Dielectric Voltage | 500Vac min |
| Current Rating | 1A | | |

Mftrs. List No:	Single row vertical Socket	M52-500xx45
	Dual row vertical socket	M52-510xx45
	Single Row vertical header	M52-040023Wxx45
	Dual row vertical header	M52-040023Wxx45

Where xx = Dual row products, No of pins on 1 side of connector eg. 05 for 10 way

419378

No. of Ways	Order Code	1+	25+	Price Each		
Single Row Socket						
5	109-9543●	0.48	0.43	0.41	0.39	0.38
10	109-9544●	0.86	0.82	0.79	0.72	0.69
20	109-9545●	1.62	1.52	1.47	1.37	1.32
25	109-9546●	2.00	1.89	1.82	1.69	1.63
Dual Row Socket						
10	109-9551●	0.93	0.88	0.84	0.80	0.77
20	109-9552●	1.73	1.63	1.57	1.49	1.42
40	109-9554●	2.59	2.43	2.33	2.19	2.11
50	109-9555●	3.05	2.87	2.74	2.59	2.51
Single Row Header						
5	109-9560●	0.36	0.34	0.33	0.30	0.29
10	109-9561●	0.70	0.66	0.64	0.61	0.59
20	109-9562●	1.45	1.35	1.30	1.23	1.19
25	109-9563●	1.82	1.69	1.63	1.54	1.49

1.27mm Pitch Headers and Housings - continued

M52 - Series, PCB Through Hole - continued
Headers and Sockets - continued

No. of Ways	Order Code	1+	25+	100+	250+	500+
Dual Row Header						
10	109-9564●	0.70	0.66	0.64	0.61	0.59
20	109-9566●	1.08	1.00	0.97	0.92	0.89
40	109-9567●	2.13	2.01	1.93	1.83	1.75
50	109-9568●	3.61	3.39	3.24	3.06	2.95

1.27mm PCB Sockets
2206SA series



- 1.27mm pitch
- Single Row
- Orientation - vertical
- Insulator height - 4.60mm
- Designed for use in home appliances, aviation electronics, automobile electronics and PC peripherals
- Flammability rating - UL 94V-0

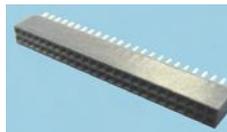


Insulator Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
PBT	Phosphor Bronze	Gold	1A	50V AC/DC	-25 to 125°C

524135

Mfrs. List No.	No. of Ways	Order Code	5+	25+	100+	250+	500+
2206SA-05-46	5	157-7766●	0.194	0.160	0.114	0.103	0.092
2206SA-10-46	10	157-7767●	0.390	0.330	0.220	0.210	0.172
2206SA-20-46	20	157-7768●	0.760	0.630	0.460	0.400	0.350
2206SA-25-46	25	157-7769●	0.970	0.790	0.570	0.490	0.440

1.27mm PCB Sockets
2200SB series



- 1.27mm grid spacing
- Dual Row
- Orientation - vertical
- Insulator height - 4.50mm
- DIP length - 2.20mm
- Designed for use in home appliances, aviation electronics, automobile electronics and PC peripherals
- Flammability rating - UL 94V-0

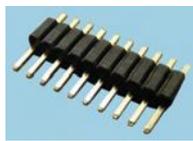


Insulator Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
High Temp. Plastic (LCP)	Phosphor Bronze	Gold	1A	50V AC/DC	-25 to 105°C

524121

Mfrs. List No.	No. of Ways	Order Code	5+	25+	100+	250+	500+
2200SB-10G-A1	10	157-7753●	0.390	0.330	0.220	0.210	0.172
2200SB-20G-A1	20	157-7754●	0.760	0.630	0.460	0.400	0.350
2200SB-40G-A1	40	157-7755●	1.470	1.200	0.890	0.750	0.660
2200SB-50G-A1	50	157-7756●	1.850	1.520	1.110	0.950	0.840

1.27mm Headers
2206PA / 2206RPA series



Right Angle



Vertical

- 1.27mm pitch
- Single Row
- Vertical and Right Angle headers available
- Designed for use in home appliances, aviation electronics, automobile electronics and PC peripherals
- Flammability rating - UL 94V-0

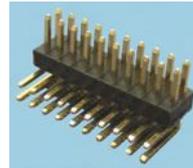


Material Insulator	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
PBT	Copper Alloy	Gold	1A	50V AC/DC	-25 to 125°C

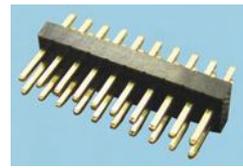
524128

Mfrs. List No.	No. of Ways	Order Code	5+	25+	100+	250+	500+
Vertical							
2206PA-05G-739	5	157-7757●	0.194	0.160	0.114	0.103	0.092
2206PA-10G-739	10	157-7758●	0.390	0.330	0.220	0.210	0.172
2206PA-20G-739	20	157-7759●	0.760	0.630	0.460	0.400	0.350
2206PA-25G-739	25	157-7760●	0.970	0.790	0.570	0.490	0.440
Right Angle							
2206RPA-5G	5	157-7762●	0.270	0.220	0.160	0.137	0.114
2206RPA-10G	10	157-7763●	0.450	0.370	0.280	0.220	0.210
2206RPA-20G	20	157-7764●	0.840	0.680	0.510	0.440	0.380
2206RPA-25G	25	157-7765●	1.090	0.900	0.650	0.560	0.490

1.27mm Headers
2199 series



Right Angle



Vertical

- 1.27mm grid spacing
- Dual Row
- Vertical and Right Angle headers available
- Designed for use in home appliances, aviation electronics, automobile electronics and PC peripherals
- Flammability rating - UL 94V-0

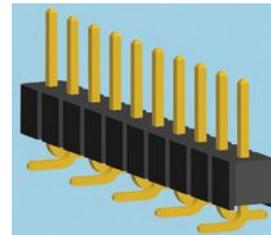


Insulator Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
High Temp Plastic (Nylon 6T)	Copper Alloy	Gold	1A	50V AC/DC	-25 to 105°C

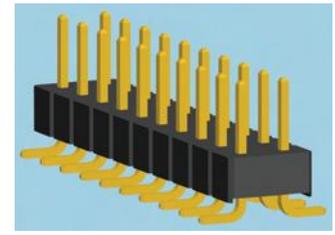
524116

Mfrs. List No.	No. of Ways	Order Code	5+	25+	100+	250+	500+
Vertical							
2199SB-10G-301523	10	157-7743●	0.390	0.330	0.220	0.210	0.172
2199SB-20G-301523	20	157-7744●	0.760	0.630	0.460	0.400	0.350
2199SB-40G-301523	40	157-7745●	1.470	1.200	0.890	0.750	0.660
2199SB-50G-301523	50	157-7746●	1.850	1.520	1.110	0.950	0.840
Right Angle							
2199R5-10G-301523	10	157-7747●	0.450	0.370	0.280	0.220	0.210
2199R5-20G-301523	20	157-7748●	0.840	0.680	0.510	0.440	0.380
2199R5-40G-301523	40	157-7751●	1.660	1.360	1.000	0.860	0.740
2199R5-50G-301523	50	157-7752●	2.110	1.720	1.260	1.090	0.950

M52 - Series, Surface Mount
Headers and Sockets



Single row header



Dual row header

- 1.27mm pitch
- 2.54mm row spacing on dual row products



Housings	Thermoplastic (UL94V-0)	Contact resistance	40Ω max
Contacts	Copper Alloy, plated Gold	Insulation resistance	1000MΩ min
Temperature Range	-40°C to +105°C	Dielectric Voltage	500Vac min
Current Rating	1A		

Mfrs. List No:	Single row SMT socket, 4.6mm High	M52-505xx45
	Dual row SMT socket 3.55mm high	M52-515xx45
	Single row SMT header	M52-040000Pxx45
	Dual row SMT header	M52-040000Sxx45

Where xx = Dual row products, No. of pins on 1 side of connector eg. 05 for 10 way

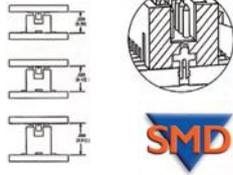
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No. of Ways	Order Code	1+	25+	100+	250+	500+
Single Row Socket						
5	109-9547●	0.62	0.57	0.54	0.52	0.50
10	109-9548●	1.40	1.31	1.27	1.19	1.15
20	109-9549●	1.77	1.67	1.59	1.51	1.46
25	109-9550●	2.07	1.95	1.88	1.77	1.70
Dual Row Socket						
10	109-9556●	1.56	1.47	1.40	1.32	1.28
20	109-9557●	2.52	2.35	2.24	2.13	2.05
40	109-9558●	4.47	4.18	4.03	3.80	3.66
50	109-9559●	5.58	5.21	5.02	4.74	4.56
Single Row Header						
5	109-9569●	0.39	0.37	0.36	0.34	0.33
10	109-9570●	0.80	0.72	0.70	0.66	0.64
20	109-9571●	1.57	1.48	1.41	1.33	1.29
25	109-9572●	1.97	1.86	1.77	1.66	1.60
Dual Row Header						
10	109-9573●	0.79	0.71	0.69	0.65	0.63
20	109-9574●	1.57	1.48	1.41	1.33	1.29
40	109-9575●	3.14	2.94	2.83	2.66	2.57
50	109-9576●	2.91	2.72	2.62	2.47	2.39

AMPMODU 50/50 Grid Connectors



Board-to-Board Vertical Receptacles and Headers, 1.27mm Pitch



- High density 1.27mm x 1.27mm [.050" x.050"] centerline grid
- Three board-to-board stack heights: 6.35mm [.250"], 8.13mm [.320"] and 9.91mm [.390"]
- Non-protrusive metallic hold-downs
- Reliable dual beam receptacle contacts for redundant contact
- Duplex plated receptacle and post contacts; gold plated on mating areas
- Compatible with standard surface-mount processing (VPR and IR)
- Receptacle and header allow for drainage of processing fluids
- Sizes of 10, 20, 30, 40, 50, 80 and 100 positions
- UL recognised (E28476) and CSA certified (LR7189)

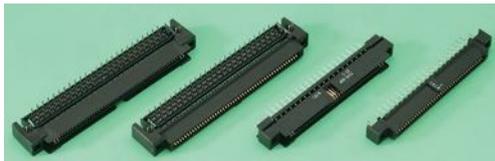
Current Rating 1 - 4A Pitch 1.27mm
 Insulation Resistance 5000MΩ Withstand Voltage 300V
 Operating Temperature -65°C to +105

No. Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Vertical Receptacle						
10	5-104652-1	110-6315	2.40	2.18	2.01	1.85
20	5-104652-2	110-6316	3.83	3.49	3.20	2.95
30	5-104652-3	110-6317	5.25	4.79	4.37	4.04
40	5-104652-4	110-6318	6.56	5.97	5.47	5.07
50	5-104652-5	110-6319	5.66	5.15	4.73	4.37
80	5-104652-8	110-6320	10.54	9.57	8.79	8.10
100	6-104652-0	110-6321	8.27	7.54	6.90	6.38
Header, 6.35mm Stacking Height						
10	5-104655-1	110-6322	2.77	2.53	2.32	2.15
20	5-104655-3	110-6323	3.36	3.07	2.80	2.59
30	5-104655-4	110-6324	3.08	2.81	2.58	2.39
40	5-104655-5	110-6325	3.62	3.32	3.04	2.80
50	5-104655-6	110-6327	5.51	5.02	4.60	4.25
80	5-104655-9	110-6328	7.06	6.44	5.91	5.44
Header, 8.13mm Stacking Height						
20	5-104656-2	110-6331	3.36	3.07	2.80	2.59
30	5-104656-3	110-6332	4.00	3.64	3.35	3.09
80	5-104656-8	110-6335	7.06	6.44	5.91	5.44
Header, 9.91mm Stacking Height						
10	5-104693-1	110-6337	1.95	1.77	1.62	1.51
30	5-104693-3	110-6341	4.00	3.64	3.35	3.09
40	5-104693-4	110-6342	4.95	4.53	4.14	3.81
80	5-104693-8	110-6344	7.06	6.44	5.91	5.44
100	6-104693-0	110-6345	6.16	5.61	5.13	4.74

TX14/TX15 Board to Board Series



1.27mm Pitch



Leaf type contact design provides superior reliability and resistance to twisting

- 1.27mm contact spacing
- Through hole type for PCB/PCB application
- High density configuration for space saving
- First mate last break contacts
- 12mm stacking height
- Polarized to prevent mismatching

Current Rating 0.5A Contact Resistance ≤40mΩ
 Insulation Resistance 100MΩ Pitch 1.27mm
 Operating Temperature -40°C to 80°C Withstand Voltage 500V rms per minute

No. Contacts	Mfrs. List No.	Order Code	1+	10+	250+
Right Angle Receptacle					
100	TX14-100R-LT-MH1E	996-4975	4.12	3.83	3.50
120	TX14-120R-LT-MH1E	996-4983	3.97	3.67	3.38
Right Angle Plug					
100	TX15-100P-LT-MH1E	996-5009	4.12	3.83	3.50
120	TX15-120P-LT-MH1E	996-5017	3.66	3.40	3.12
Straight Receptacle					
60	TX14-60R-6ST-MH1E	996-5025	1.87	1.73	1.56
Straight Plug					
100	TX15-100P-6ST-MH1E	996-5050	2.89	2.68	2.48
120	TX15-120P-6ST-MH1E	996-5068	3.46	3.22	2.93

£ € 40,000 PRICES REDUCED

1.27mm Micro Strips

FTS series



Through Hole

Surface Mount

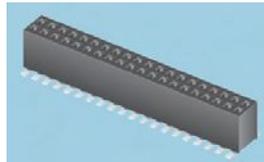
- Low profile - 1.27mm
- Two pin lengths available - 1.65mm, 3.05mm
- Through Hole or Surface Mount
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Mates with Samtec's CLP, FFSD, FLE series

Insulator Material LCP Contact Material Phosphor Bronze Contact Plating Gold Contact Plating 1.75A Operating Temperature -55°C to 125°C

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Pin Length - 3.05mm, Through Hole							
FTS-105-01-L-D	10	166-7728	1.01	0.84	0.70	0.52	0.43
FTS-110-01-L-D	20	166-7732	2.02	1.68	1.40	1.05	0.86
FTS-120-01-L-D	40	166-7739	3.43	2.84	2.37	1.77	1.46
FTS-125-01-L-D	50	166-7743	4.18	3.47	2.89	2.17	1.78
Pin Length - 3.05mm, Surface Mount							
FTS-105-01-L-DV	10	SMD166-7729	1.11	0.92	0.77	0.58	0.47
FTS-110-01-L-DV	20	SMD166-7733	2.25	1.86	1.55	1.16	0.96
FTS-120-01-L-DV	40	SMD166-7740	3.78	3.13	2.61	1.96	1.61
FTS-125-01-L-DV	50	SMD166-7744	4.59	3.80	3.17	2.37	1.96
Pin Length - 1.65mm, Through Hole							
FTS-105-03-L-D	10	166-7730	1.01	0.84	0.70	0.52	0.43
FTS-110-03-L-D	20	166-7734	2.02	1.68	1.40	1.05	0.86
FTS-115-03-L-D	30	166-7736	2.94	2.43	2.03	1.52	1.25
FTS-120-03-L-D	40	166-7741	3.43	2.84	2.37	1.77	1.46
FTS-125-03-L-D	50	166-7745	4.18	3.47	2.89	2.17	1.78
FTS-130-03-L-D	60	166-7747	4.67	3.87	3.23	2.42	1.99
FTS-135-03-L-D	70	166-7751	5.45	4.52	3.76	2.82	2.33
FTS-140-03-L-D	80	166-7753	6.23	5.16	4.30	3.23	2.66
FTS-150-03-L-D	100	166-7756	7.01	5.81	4.84	3.63	2.99
Pin Length - 1.65mm, Surface Mount							
FTS-105-03-L-DV	10	SMD166-7731	1.11	0.92	0.77	0.58	0.47
FTS-110-03-L-DV	20	SMD166-7735	2.25	1.86	1.55	1.16	0.96
FTS-115-03-L-DV	30	SMD166-7738	3.23	2.67	2.23	1.67	1.38
FTS-120-03-L-DV	40	SMD166-7742	3.78	3.13	2.61	1.96	1.61
FTS-125-03-L-DV	50	SMD166-7746	4.59	3.80	3.17	2.37	1.96
FTS-130-03-L-DV	60	SMD166-7748	5.14	4.26	3.55	2.66	2.19
FTS-135-03-L-DV	70	SMD166-7752	6.01	4.98	4.15	3.11	2.56
FTS-140-03-L-DV	80	SMD166-7754	6.86	5.68	4.73	3.55	2.92
FTS-145-03-L-DV	90	SMD166-7755	7.72	6.40	5.33	4.00	3.29
FTS-150-03-L-DV	100	SMD166-7757	7.72	6.40	5.33	4.00	3.29

1.27mm Pitch Sockets

FLE series



- Ideal for pass-through applications
- Comes with Samtec's Tiger Beam™ contacts
- Surface Mount
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Durability - 100 cycles
- Mates with Samtec's FTS and FTSH series

Insulator Material LCP Contact Material Phosphor Bronze Contact Plating Gold Current Rating 1.75A Operating Temperature -55°C to 125°C

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
FLE-105-01-G-DV	10	166-7672	1.30	1.21	1.00	0.75	0.62
FLE-110-01-G-DV	20	166-7673	2.00	1.86	1.53	1.16	0.95
FLE-120-01-G-DV	40	166-7674	4.02	3.73	3.08	2.32	1.90
FLE-125-01-G-DV	50	166-7675	5.04	4.68	3.85	2.91	2.38
FLE-130-01-G-DV	60	166-7676	6.03	5.60	4.61	3.49	2.85
FLE-140-01-G-DV	80	166-7677	8.04	7.47	6.15	4.65	3.80
FLE-150-01-G-DV	100	166-7678	10.05	9.34	7.69	5.81	4.75

1.27mm Micro Headers

FTSH series



- Profile height - 2.92mm
- Pin length - 3.05mm
- Surface Mount
- Orientation - Vertical or Right Angle
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Mates with Samtec's CLP, FFSD, FLE, series

1.27mm Pitch Headers and Housings - continued

1.27mm Micro Headers - continued

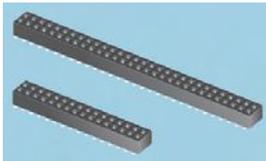
FTSH series - continued

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Right Angle							
FTSH-105-01-L-DH	10	166-7758	1.31	1.09	0.91	0.68	0.56
FTSH-110-01-L-DH	20	166-7760	2.65	2.19	1.83	1.37	1.13
FTSH-115-01-L-DH	30	166-7763	3.81	3.15	2.63	1.97	1.62
FTSH-120-01-L-DH	40	166-7765	4.47	3.71	3.09	2.32	1.91
FTSH-125-01-L-DH	50	166-7767	5.43	4.50	3.75	2.81	2.32
FTSH-130-01-L-DH	60	166-7769	6.08	5.03	4.20	3.15	2.59
FTSH-135-01-L-DH	70	166-7771	7.10	5.88	4.90	3.68	3.03
FTSH-140-01-L-DH	80	166-7773	8.10	6.71	5.59	4.20	3.46
FTSH-145-01-L-DH	90	166-7776	9.13	7.56	6.30	4.73	3.89
FTSH-150-01-L-DH	100	166-7778	9.13	7.56	6.30	4.73	3.89
Vertical							
FTSH-105-01-L-DV	10	166-7759	1.11	0.92	0.77	0.58	0.47
FTSH-110-01-L-DV	20	166-7761	2.25	1.86	1.55	1.16	0.96
FTSH-115-01-L-DV	30	166-7764	3.23	2.67	2.23	1.67	1.38
FTSH-120-01-L-DV	40	166-7766	3.78	3.13	2.61	1.96	1.61
FTSH-125-01-L-DV	50	166-7768	4.59	3.80	3.17	2.37	1.96
FTSH-130-01-L-DV	60	166-7770	5.14	4.26	3.55	2.66	2.19
FTSH-135-01-L-DV	70	166-7772	6.01	4.98	4.15	3.11	2.56
FTSH-140-01-L-DV	80	166-7775	6.86	5.68	4.73	3.55	2.92
FTSH-145-01-L-DV	90	166-7777	7.72	6.40	5.33	4.00	3.29
FTSH-150-01-L-DV	100	166-7779	7.72	6.40	5.33	4.00	3.29

527291

1.27mm Low Profile Sockets

CLP series



- Profile Height - 2.21mm
- Comes with Samtec's Tiger Claw™ contact
- Surface Mount
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Durability - 100 cycles
- Mates with Samtec's FTS, FTSH series



Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	1.75A	-55°C to +125°C

527225

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
CLP-105-02-L-D	10	166-7559	1.51	1.41	1.16	0.87	0.66
CLP-110-02-L-D	20	166-7560	3.03	2.81	2.32	1.75	1.31
CLP-115-02-L-D	30	166-7561	4.37	4.06	3.34	2.52	1.89
CLP-120-02-L-D	40	166-7562	5.14	4.77	3.93	2.97	2.23
CLP-125-02-L-D	50	166-7563	6.23	5.78	4.76	3.60	2.70
CLP-130-02-L-D	60	166-7564	7.00	6.50	5.35	4.05	3.03
CLP-135-02-L-D	70	166-7565	8.17	7.58	6.25	4.72	3.54
CLP-140-02-L-D	80	166-7566	9.33	8.67	7.14	5.39	4.04
CLP-145-02-L-D	90	166-7568	10.50	9.75	8.03	6.07	4.55
CLP-150-02-L-D	100	166-7569	10.50	9.75	8.03	6.07	4.55

1.27mm Micro Mate Headers

TFM, TFML series



TFM



TFML



- Shrouded body for blind mating
- Locking feature increases unmating force (TFML)
- Weld Tabs available
- Surface Mount / Through Hole
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- TFM mates with Samtec's SFSD series
- TFML mates with Samtec's SFML series

Insulator Material	Contact Material	Contact Plating	Contact Plating	Operating Temperature
LCP	Phosphor Bronze	Gold	2A	-55°C to 125°C

527422

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Through Hole, Weld Tabs							
TFM-105-01-S-D-WT	10	166-8431	2.06	1.31	1.06	0.89	0.80
TFM-110-01-S-D-WT	20	166-8434	3.21	2.11	1.73	1.46	1.37
TFM-115-01-S-D-WT	30	166-8435	3.82	2.61	2.14	1.80	1.68
TFM-120-01-S-D-WT	40	166-8437	4.74	3.27	2.67	2.28	2.13
TFM-125-01-S-D-WT	50	166-8439	5.59	3.80	3.17	2.80	2.57
TFM-130-01-S-D-WT	60	166-8441	6.35	4.49	3.75	3.31	2.98
Surface Mount, Weld Tabs							
TFM-105-02-S-D-WT	10	166-8433	2.21	1.41	1.11	0.95	0.86
TFM-115-02-S-D-WT	30	166-8436	3.98	2.75	2.24	1.92	1.79
TFM-120-02-S-D-WT	40	166-8438	4.97	3.47	2.87	2.49	2.28
TFM-125-02-S-D-WT	50	166-8440	5.86	4.14	3.45	3.05	2.80
TFM-130-02-S-D-WT	60	166-8442	6.94	4.91	4.09	3.62	3.25
Through Hole, Locking Feature							
TFML-110-01-S-D	20	166-8443	2.98	1.94	1.58	1.34	1.23
TFML-115-01-S-D	30	166-8447	3.58	2.40	1.97	1.66	1.55
TFML-125-01-S-D	50	166-8451	5.43	3.79	3.14	2.72	2.49
TFML-130-01-S-D	60	166-8454	6.24	4.42	3.68	3.26	2.93
TFML-140-01-S-D	80	166-8458	7.26	5.21	4.47	3.88	3.55
TFML-145-01-S-D	90	166-8461	8.16	5.86	5.03	4.36	4.00
TFML-150-01-S-D	100	166-8464	8.86	6.44	5.40	4.76	4.35
Through Hole, Right Angle, Locking Feature							
TFML-110-01-S-D-RA	20	166-8445	3.15	2.07	1.70	1.44	1.34
TFML-120-01-S-D-RA	40	166-8449	4.77	3.34	2.76	2.39	2.19
TFML-125-01-S-D-RA	50	166-8452	5.96	4.05	3.38	2.99	2.74
TFML-130-01-S-D-RA	60	166-8455	6.85	4.86	4.05	3.58	3.22
TFML-140-01-S-D-RA	80	166-8459	7.97	5.73	4.91	4.26	3.90
TFML-145-01-S-D-RA	90	166-8462	8.79	6.38	5.35	4.71	4.31
TFML-150-01-S-D-RA	100	166-8465	9.75	7.08	5.93	5.23	4.79
Surface Mount, Locking Feature							
TFML-110-02-S-D	20	166-8446	3.15	2.07	1.70	1.44	1.34
TFML-115-02-S-D	30	166-8448	3.86	2.63	2.16	1.82	1.70
TFML-120-02-S-D	40	166-8450	4.77	3.34	2.76	2.39	2.19
TFML-125-02-S-D	50	166-8453	5.96	4.05	3.38	2.99	2.74
TFML-130-02-S-D	60	166-8457	6.85	4.86	4.05	3.58	3.22
TFML-140-02-S-D	80	166-8460	7.97	5.73	4.91	4.26	3.90
TFML-145-02-S-D	90	166-8463	8.79	6.38	5.35	4.71	4.31

Socket Cable Assemblies SFSD series



- Double Ended, with options for Notch down / up and cable crossed / straight for End 2
- Retention Latch
- Two cable lengths available - 127mm, 254mm
- 28 AWG
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Mates with Samtec's TFM series

Insulator Material	Contact Material	Contact Plating	Voltage Rating	Operating Temperature
LCP	Beryllium Copper	Gold	275VAC	-55°C to 80°C

527390

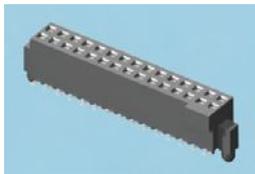
Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Notch Down, Cable Straight, Assembled Length - 127mm							
SFSD-10-28-H-05.00-DR-NDS	20	166-8029	13.76	10.25	8.41	--	--
SFSD-15-28-H-05.00-DR-NDS	30	166-8038	17.51	13.52	11.03	--	--
SFSD-20-28-H-05.00-DR-NDS	40	166-8047	21.45	16.68	13.86	--	--
Notch Down, Cable Crossed, Assembled Length - 127mm							
SFSD-10-28-H-05.00-DR-NDX	20	166-8030	13.76	10.25	8.41	--	--
SFSD-15-28-H-05.00-DR-NDX	30	166-8039	17.51	13.52	11.03	--	--
SFSD-20-28-H-05.00-DR-NDX	40	166-8048	21.45	16.68	13.86	--	--
Notch Up, Cable Straight, Assembled Length - 127mm							
SFSD-10-28-H-05.00-DR-NUS	20	166-8032	13.76	10.25	8.41	--	--
SFSD-15-28-H-05.00-DR-NUS	30	166-8040	17.51	13.52	11.03	--	--
SFSD-20-28-H-05.00-DR-NUS	40	166-8049	21.45	16.68	13.86	--	--
Notch Up, Cable Crossed, Assembled Length - 127mm							
SFSD-10-28-H-05.00-DR-NUX	20	166-8033	13.76	10.25	8.41	--	--
SFSD-15-28-H-05.00-DR-NUX	30	166-8041	17.51	13.52	11.03	--	--
SFSD-20-28-H-05.00-DR-NUX	40	166-8050	21.45	16.68	13.86	--	--
Notch Down, Cable Straight, Assembled Length - 254mm							
SFSD-10-28-H-10.00-DR-NDS	20	166-8034	14.93	11.52	9.40	--	--
SFSD-15-28-H-10.00-DR-NDS	30	166-8042	20.25	15.63	12.75	--	--
SFSD-20-28-H-10.00-DR-NDS	40	166-8051	25.00	19.44	16.16	--	--

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	+	+	Price Each
Notch Down, Cable Crossed, Assembled Length - 254mm								
SFSD-10-28-H-10.00-DR-NDX	20	166-8035	14.93	11.52	9.40	--	--	
SFSD-15-28-H-10.00-DR-NDX	30	166-8044	20.25	15.63	12.75	--	--	
SFSD-20-28-H-10.00-DR-NDX	40	166-8052	25.00	19.44	16.16	--	--	
Notch Up, Cable Straight, Assembled Length - 254mm								
SFSD-10-28-H-10.00-DR-NUS	20	166-8036	14.93	11.52	9.40	--	--	
SFSD-15-28-H-10.00-DR-NUS	30	166-8045	20.25	15.63	12.75	--	--	
SFSD-20-28-H-10.00-DR-NUS	40	166-8053	25.00	19.44	16.16	--	--	
Notch Up, Cable Crossed, Assembled Length - 254mm								
SFSD-10-28-H-10.00-DR-NUX	20	166-8037	14.93	11.52	9.40	--	--	
SFSD-15-28-H-10.00-DR-NUX	30	166-8046	20.25	15.63	12.75	--	--	
SFSD-20-28-H-10.00-DR-NUX	40	166-8054	25.00	19.44	16.16	--	--	

Micro Mate Sockets
SFML series



Through Hole



Surface Mount

- High reliability Tiger Eye™ contacts
- Surface Mount / Through Hole
- Pitch - 1.27mm
- Pitch Row - 1.27mm
- Mates with Samtec's TFML series

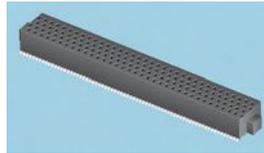


Contacts	Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Tiger Eye	LCP	Beryllium Copper	Gold	2A	-55°C to 125°C
Tiger Eye LITE	LCP	Phosphor Bronze	Gold	2A	-55°C to 125°C

527387

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+	Price Each
Through Hole, Tiger Eye Contacts								
SFML-110-01-S-D	20	166-7988	3.61	2.41	1.98	1.67	1.56	
SFML-115-01-S-D	30	166-7992	4.33	2.99	2.44	2.09	1.95	
SFML-120-01-S-D	40	166-7997	5.54	3.87	3.20	2.77	2.54	
SFML-125-01-S-D	50	166-8001	6.65	4.71	3.92	3.47	3.12	
SFML-130-01-S-D	60	166-8005	7.65	5.50	4.71	4.09	3.75	
SFML-135-01-S-D	70	166-8010	8.12	5.83	4.99	4.34	3.97	
SFML-140-01-S-D	80	166-8014	9.07	6.58	5.52	4.87	4.45	
SFML-145-01-S-D	90	166-8019	9.97	7.41	6.21	5.48	5.01	
SFML-150-01-S-D	100	166-8024	11.06	8.22	6.89	6.07	5.56	
Surface Mount, Tiger Eye Contacts								
SFML-110-02-S-D	20	166-7989	3.78	2.52	2.07	1.75	1.63	
SFML-115-02-S-D	30	166-7994	4.51	3.11	2.54	2.17	2.03	
SFML-120-02-S-D	40	166-7998	5.77	3.93	3.27	2.89	2.65	
SFML-125-02-S-D	50	166-8002	6.94	4.91	4.09	3.62	3.25	
SFML-130-02-S-D	60	166-8007	7.97	5.73	4.91	4.26	3.90	
SFML-135-02-S-D	70	166-8011	8.45	6.07	5.20	4.52	4.14	
SFML-140-02-S-D	80	166-8015	9.45	6.86	5.75	5.07	4.64	
SFML-145-02-S-D	90	166-8021	10.40	7.72	6.47	5.71	5.22	
SFML-150-02-S-D	100	166-8025	11.55	8.43	7.19	6.23	5.80	
Through Hole, Tiger Eye LITE Contacts								
SFML-110-T1-S-D	20	166-7990	3.05	1.99	1.62	1.36	1.25	
SFML-115-T1-S-D	30	166-7995	3.67	2.46	2.01	1.70	1.59	
SFML-120-T1-S-D	40	166-7999	4.61	3.18	2.59	2.22	2.07	
SFML-125-T1-S-D	50	166-8003	5.54	3.87	3.20	2.77	2.54	
SFML-130-T1-S-D	60	166-8008	6.38	4.52	3.77	3.33	2.99	
SFML-135-T1-S-D	70	166-8012	6.77	4.80	4.00	3.53	3.18	
SFML-140-T1-S-D	80	166-8016	7.42	5.33	4.56	4.44	4.32	
SFML-145-T1-S-D	90	166-8022	8.33	5.99	5.13	4.46	4.08	
SFML-150-T1-S-D	100	166-8026	9.07	6.58	5.52	4.87	4.45	
Surface Mount, Tiger Eye LITE Contacts								
SFML-110-T2-S-D	20	166-7991	3.17	2.07	1.69	1.42	1.30	
SFML-115-T2-S-D	30	166-7996	3.82	2.56	2.10	1.78	1.66	
SFML-120-T2-S-D	40	166-8000	4.63	3.24	2.68	2.32	2.12	
SFML-125-T2-S-D	50	166-8004	5.77	3.93	3.27	2.89	2.65	
SFML-130-T2-S-D	60	166-8009	6.66	4.72	3.93	3.48	3.13	
SFML-135-T2-S-D	70	166-8013	7.06	5.00	4.17	3.68	3.31	
SFML-140-T2-S-D	80	166-8017	7.73	5.56	4.76	4.14	3.79	
SFML-145-T2-S-D	90	166-8023	8.51	6.18	5.18	4.57	4.18	
SFML-150-T2-S-D	100	166-8028	8.93	6.50	5.18	--	--	

Quad Row Sockets
SOLC series



- Tiger Buy™ contacts
- This unique stamped contact requires no secondary forming operations
- Surface Mount
- 4 Rows
- Pitch - 1.27mm
- Pitch Row - 1.27mm
- Mates with Samtec's TOLC series



Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	2.5A	-55°C to 125°C

527400

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+	Price Each
SOLC-105-02-S-Q	20	166-8136	7.32	7.13	6.94	6.75	6.57	
SOLC-110-02-S-Q	40	166-8137	7.59	7.38	7.19	7.00	6.81	
SOLC-115-02-S-Q	60	166-8138	8.14	7.92	7.71	7.51	7.31	
SOLC-120-02-S-Q	80	166-8139	8.34	8.12	7.91	7.69	7.49	
SOLC-125-02-S-Q	100	166-8140	9.97	9.70	9.44	9.19	8.95	
SOLC-130-02-S-Q	120	166-8141	11.98	11.66	11.35	11.04	10.75	
SOLC-135-02-S-Q	140	166-8142	12.70	12.36	12.03	11.71	11.40	
SOLC-140-02-S-Q	160	166-8143	13.84	13.47	13.11	12.76	12.42	
SOLC-145-02-S-Q	180	166-8144	14.84	14.44	14.06	13.68	13.32	
SOLC-150-02-S-Q	200	166-8145	16.48	16.04	15.62	15.20	14.80	

1.27mm Quad Row Terminals
TOLC series



- Surface Mount
- 4 Rows
- Pitch - 1.27mm
- Pitch Row - 1.27mm
- Mates with Samtec's SOLC series

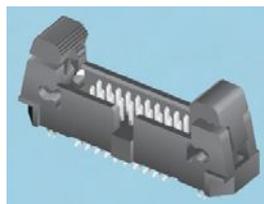


Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	2.5A	-55°C to 125°C

527436

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+	Price Each
TOLC-105-02-S-Q	20	166-8568	6.18	6.02	5.85	5.70	5.55	
TOLC-110-02-S-Q	40	166-8569	6.69	6.51	6.33	6.16	6.00	
TOLC-115-02-S-Q	60	166-8570	7.17	6.97	6.79	6.61	6.43	
TOLC-120-02-S-Q	80	166-8571	7.33	7.14	6.95	6.76	6.58	
TOLC-125-02-S-Q	100	166-8573	8.61	8.26	7.94	7.63	7.32	
TOLC-150-02-S-Q	200	166-8574	14.61	10.84	9.36	9.11	8.87	

1.27mm Ejector Headers
EHF series



- Ejector mechanism
- Through Hole, Right Angle and Surface Mount options available
- Double row
- Pitch - 1.27mm
- Pitch row - 1.27mm
- Mates with Samtec's FFSD series



Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	1.75A	-55°C to +125°C

527243

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+	Price Each
Through Hole								
EHF-105-01-L-D	10	166-7605	2.84	1.85	1.51	1.27	1.16	
EHF-110-01-L-D	20	166-7608	3.21	2.11	1.73	1.46	1.37	
EHF-120-01-L-D	40	166-7613	4.42	3.06	2.49	2.13	1.99	
EHF-125-01-L-D	50	166-7616	5.31	3.71	3.07	2.66	2.44	
Right Angle								
EHF-105-01-L-D-RA	10	166-7606	3.57	2.35	1.92	1.62	1.52	
EHF-110-01-L-D-RA	20	166-7611	3.88	2.68	2.19	1.87	1.75	
EHF-120-01-L-D-RA	40	166-7614	5.54	3.87	3.20	2.77	2.54	
EHF-125-01-L-D-RA	50	166-7617	6.62	4.70	3.91	3.46	3.11	
Surface Mount								
EHF-105-01-L-D-SM	10	SMD166-7607	3.29	2.17	1.78	1.50	1.40	
EHF-110-01-L-D-SM	20	SMD166-7612	3.79	2.54	2.08	1.76	1.64	
EHF-120-01-L-D-SM	40	SMD166-7615	5.11	3.57	2.95	2.56	2.35	
EHF-125-01-L-D-SM	50	SMD166-7618	6.13	4.34	3.62	3.20	2.93	

£ € **40,000 PRICES REDUCED**



1.27mm Pitch Headers and Housings - continued

1.27mm Cable Strips FFSD series



- Double end assemblies
- Two assembly lengths to chose from - 152.4mm, 304.8mm
- Double row
- Pitch - 1.27mm
- Wire - 30 AWG
- Mates with Samtec's EHF, FTS and FTSH series

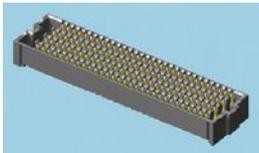


Insulator Material PBT	Contact Material Beryllium Copper	Contact Plating Gold	Current Rating 0.5A	Operating Temperature -40°C to 105°C
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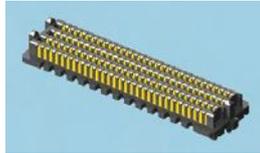
527250

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
152.4mm Assembly Length							
FFSD-05-D-06.00-01-N	10	166-7659	7.45	5.13	4.40	3.82	3.50
FFSD-10-D-06.00-01-N	20	166-7662	8.38	6.09	5.10	4.50	4.12
FFSD-20-D-06.00-01-N	40	166-7664	12.85	9.38	7.86	6.93	6.40
FFSD-25-D-06.00-01-N	50	166-7666	14.34	10.64	9.19	8.10	7.48
304.8mm Assembly Length							
FFSD-05-D-12.00-01-N	10	166-7661	8.02	5.77	4.94	4.29	3.93
FFSD-10-D-12.00-01-N	20	166-7663	9.23	6.70	5.62	4.96	4.53
FFSD-20-D-12.00-01-N	40	166-7665	13.62	10.42	8.73	7.69	7.11
FFSD-25-D-12.00-01-N	50	166-7667	14.96	11.52	9.89	8.70	8.20

Open Pin Field Arrays SEAF, SEAM series



SEAF



SEAM

- Low insertion / extraction forces
- Lead free solder charge terminations
- Alignment pins
- Male / female connectors available
- Stack heights ranging from 7 - 10mm
- 8 row or 10 row option
- Pitch - 1.27mm



Insulator Material LCP	Contact Material Copper Alloy	Contact Plating Gold	Current Rating 2.7A	Operating Temperature -55°C to 125°C
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527381

Mated Heights*		
SEAM Profile Height	SEAF Profile Height	
	-05.0** (5.05mm)	-06.5** (6.55mm)
-02.0** (4.60mm)	7mm	8.5mm
-03.5** (6.10mm)	8.5mm	10mm

*Processing conditions will affect mated height
**Lead style taken from Mfrs. List No. - Measurements in brackets give the unmated profile height.

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	+	+
SEAF, Female Version, Profile Height = 5.05mm, 8 Rows							
SEAF-20-05.0-S-08-2-A	160	166-7952	13.79	10.26	8.41	--	--
SEAF-30-05.0-S-08-2-A	240	166-7957	16.28	12.57	10.26	--	--
SEAF-40-05.0-S-08-2-A	320	166-7961	19.91	15.37	12.54	--	--
SEAF-50-05.0-S-08-2-A	400	166-7965	22.05	21.46	20.89	--	--
SEAF, Female Version, Profile Height = 5.05mm, 10 Rows							
SEAF-20-05.0-S-10-2-A	200	166-7953	14.91	11.52	9.40	--	--
SEAF-30-05.0-S-10-2-A	300	166-7958	18.51	14.29	11.66	--	--
SEAF-40-05.0-S-10-2-A	400	166-7962	22.05	17.14	14.25	--	--
SEAF-50-05.0-S-10-2-A	500	166-7966	25.06	19.48	16.19	--	--
SEAF, Female Version, Profile Height = 6.55mm, 8 Rows							
SEAF-20-06.5-S-08-2-A	160	166-7954	13.99	10.80	8.81	--	--
SEAF-30-06.5-S-08-2-A	240	166-7959	17.36	13.40	10.94	--	--
SEAF-40-06.5-S-08-2-A	320	166-7963	20.69	16.09	13.37	--	--
SEAF-50-06.5-S-08-2-A	400	166-7967	23.52	18.28	15.19	--	--
SEAF, Female Version, Profile Height = 6.55mm, 10 Rows							
SEAF-20-06.5-S-10-2-A	200	166-7955	15.90	12.27	10.01	--	--
SEAF-30-06.5-S-10-2-A	300	166-7960	19.72	19.20	18.69	--	--
SEAF-40-06.5-S-10-2-A	400	166-7964	23.52	18.28	15.19	--	--
SEAF-50-06.5-S-10-2-A	500	166-7969	26.72	26.01	25.31	--	--
SEAM, Male Version, Profile Height = 4.60mm, 8 Rows							
SEAM-20-02.0-S-08-2-A	160	166-7971	14.22	10.98	8.95	--	--
SEAM-30-02.0-S-08-2-A	240	166-7975	17.65	13.62	11.11	--	--
SEAM-40-02.0-S-08-2-A	320	166-7979	21.03	16.35	13.59	--	--
SEAM-50-02.0-S-08-2-A	400	166-7984	23.89	23.25	22.63	--	--
HDAM, Male Version, Profile Height = 4.60mm, 10 Rows							
SEAM-20-02.0-S-10-2-A	200	166-7972	16.16	12.48	10.18	--	--
SEAM-30-02.0-S-10-2-A	300	166-7976	20.04	15.48	12.63	--	--
SEAM-40-02.0-S-10-2-A	400	166-7980	23.89	18.58	15.44	--	--
SEAM-50-02.0-S-10-2-A	500	166-7985	27.15	21.11	17.55	--	--



Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	+	+
SEAM, Male Version, Profile Height = 6.10mm, 8 Rows							
SEAM-20-03.5-S-08-2-A	160	166-7973	15.08	11.64	9.50	--	--
SEAM-30-03.5-S-08-2-A	240	166-7977	18.74	14.46	11.80	--	--
SEAM-40-03.5-S-08-2-A	320	166-7982	22.31	17.35	14.42	--	--
SEAM-50-03.5-S-08-2-A	400	166-7986	25.36	19.71	16.38	--	--
HDAM, Male Version, Profile Height = 6.10mm, 10 Rows							
SEAM-20-03.5-S-10-2-A	200	166-7974	17.14	13.23	10.80	--	--
SEAM-30-03.5-S-10-2-A	300	166-7978	20.75	20.19	19.65	--	--
SEAM-40-03.5-S-10-2-A	400	166-7983	25.36	19.71	16.38	--	--
SEAM-50-03.5-S-10-2-A	500	166-7987	28.07	27.32	26.59	--	--

1.27mm Flexstrip Cable

Cable - Low Cost Nomex



- Provides multi conductor board to board connections
- 1.27mm pitch
- High flexibility
- Stress and vibration resistant
- Nomex insulation material ideal for general purpose applications
- Available from 10 to 30 ways
- UL approved

Current rating	1.6A
Rated voltage	200V ac
Rated temperature	+125°C
Insulation material	Nomex
Pitch	1.27mm

10 Way width B=11.93mm, 30 Way width B=38.6mm, 15 Way width B=17.01mm, 20 Way width B=25.9mm, 451914

Length mm	Mfrs. List No.	Order Code	1+	100+	500+	1K+
10 Way						
50.8	2 FSN-12A-10	131-0339	1.64	1.48	1.34	1.19
15 Way						
25.4	1 FSN-11A-15	131-0336	1.87	1.64	1.48	1.33
50.8	2 FSN-12A-15	131-0341	2.37	2.12	1.93	1.69
20 Way						
25.4	1 FSN-11A-20	131-0337	2.34	2.07	1.87	1.64
50.8	2 FSN-12A-20	131-0342	3.00	2.70	2.43	2.15
76.2	3 FSN-13A-20	131-0347	3.66	3.28	2.95	2.61
30 Way						
50.8	2 FSN-12A-30	131-0344	4.26	3.79	3.42	3.02

1.5mm Pitch Connectors

Mini CT Receptacle Housing 1.5mm



- Mini Common Termination Housing
- Pitch - 1.5mm
- Crimp type
- Housing material - nylon 6,6
- Colour - white
- Operating temperature- -30°C to 105°C
- Durability - 30 cycles
- Flammability rating - UL 94V-0

524527

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+
353908-2	2	164-2615	0.147	0.126	0.115
Contact Terminal			100+	250+	500+
353907-1	24-28 AWG	164-2616	0.037	0.027	0.021

ZH Connector Series



335-7569 949-1830 949-1791 335-7533

- Compact, low profile design
- 1.5mm pitch
- Mounting height, 5.6mm, thickness, 3.5mm
- Contact retention lances on the housing allow visual confirmation of contact lock-in

- The dimple at the center of the contact ensures positive contact and low resistance
- CSA approved,
- UL recognised

Current Rating	1A AC, DC	Contact Resistance	20mΩ max
Voltage Rating	50V AC, DC	Insulation Resistance	500MΩ min
Withstanding Voltage	500VAC@1min.	PC board Thickness	0.6 to 1.2mm
Housing	Nylon 66, UL94V-0 , natural white		
Contacts	Brass, Copper Undercoated, plated		
Contacts	Phosphor Bronze, Tin plated		
Temperature Range	-25°C to +85°C		
Wire mm ²	Size AWG	Insulation Dia. O.D. (mm)	Mftrs. List No.
0.032-0.08	32-28	0.5-0.9	BZH-003T-P0.5
			Order Code 335-7533

Order Multiple=5						
No. of Ways	Mftrs. List No.	Order Code	5+	10+	50+	250+
Housing						
2	ZHR-2	335-7545●	0.070	0.069	0.066	0.058
3	ZHR-3	335-7557●	0.082	0.079	0.077	0.069
4	ZHR-4	335-7569●	0.093	0.091	0.088	0.077
6	ZHR-6	335-7570●	0.122	0.118	0.114	0.101
Shrouded Header - Top Entry						
2	B2B-ZR(LF)(SN)	949-1775●	0.480	0.470	0.460	0.410
3	B3B-ZR(LF)(SN)	949-1783●	0.540	0.530	0.520	0.470
4	B4B-ZR(LF)(SN)	949-1791●	0.620	0.590	0.570	0.510
6	B6B-ZR(LF)(SN)	949-1805●	0.790	0.780	0.750	0.660
Shrouded Header - Side Entry						
2	S2B-ZR(LF)(SN)	949-1813●	0.480	0.470	0.460	0.410
3	S3B-ZR(LF)(SN)	949-1821●	0.540	0.530	0.520	0.470
4	S4B-ZR(LF)(SN)	949-1830●	0.620	0.590	0.570	0.510
6	S6B-ZR(LF)(SN)	949-1848●	0.440	0.400	0.380	0.350
Order Multiple=10						
Crimp contacts	BZH-003T-P0.5	335-7533●	0.064	0.062	0.061	0.054
Order Multiple=1						
Crimp tool	WC-490	335-7934	248.450			

ZM Connector
1.5mm



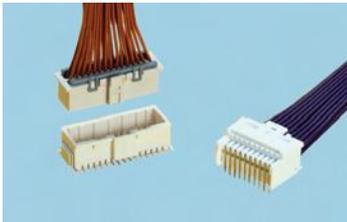
- Compact Design
- Housing to terminal locks
- Both crimp style and insulation displacement receptacles can be used
- Fully shrouded header resists "Rocking" during mating
- Mates with ZH connector housing to make wire to wire connection

Current Rating	0.7A ac/dc	Contact Resistance	20m Ω
Voltage Rating	50V ac/dc	Insulation Resistance	500M Ω
Withstanding Voltage	500V/1min.	Operating Temperature	-25°C to 85°C
Contacts	Phosphor Bronze, Tin Plated		

No. of Ways	Mftrs. List No.	Order Code	5+	10+	50+	250+
2	ZMR-2	151-6308●	0.136	0.120	0.107	0.096
3	ZMR-3	151-6311●	0.137	0.121	0.108	0.097
Order Multiple=100						
Crimp Terminal	BMM-003T-P0.5	151-6312●	0.077	0.069	0.061	0.054
Order Multiple=1						
Hand Tool	WC-800	151-6313	219.730			

2.0mm Pitch MicroClasp

MicroClasp™ 2.00mm Pitch Connectors
Single and Dual Row Headers and Sockets



MicroClasp wire-to board system includes a unique inner positive lock that provides latch protection, secure retention and an audible mating "click". The terminal design offers low insertion and withdrawal forces and is able to carry 3.0A current in a compact 2.00mm (.079") pitch design. The new MicroClasp system is available in 2-40 circuits in SMT and through-hole designs, and in single and dual-row versions.

- 2mm pitch
- Inner positive lock
- Low insertion force terminal design
- Two-point contact design
- High current contacts

- PCB space saving
- Secure mating
- Secure electrical contact
- Carry up to 3A
- Housing lance system

Maximum voltage	250V ac	Temperature range	-25°C to +85°C
Maximum current	3A	Body material	White Glass Filled Polyester, UL94V-0
Contact resistance	20mohm	Contact Material	Brass
Dielectric strength	1000V AC/ 1 Min	Contact Plating	Lead Free Tin
Insulation resistance	1000Mohm	Mating Cycles	30

MicroClasp™ Receptacle - Single and Dual Row
2.00mm Pitch



Mftrs. List No.51382xx00 = Single Row51353xx00 = Dual Row

Order Multiple=10					
No. of Ways	Order Code	10+	100+	250+	
Single Row					
2	112-0406●	0.068	0.064	0.061	
3	112-0407●	0.071	0.066	0.063	
4	112-0408●	0.085	0.079	0.075	
5	112-0409●	0.090	0.082	0.079	
6	112-0410●	0.111	0.104	0.099	
7	112-0412●	0.087	0.079	0.075	
8	112-0413●	0.126	0.118	0.112	
10	112-0416●	0.174	0.162	0.156	
12	112-0418●	0.183	0.170	0.162	
Dual Row					
8	112-0387●	0.111	0.098	0.091	
10	112-0388●	0.117	0.103	0.097	
12	112-0389●	0.119	0.106	0.099	
14	112-0390●	0.129	0.113	0.106	
16	112-0391●	0.135	0.117	0.109	
18	112-0392●	0.142	0.122	0.115	
20	112-0393●	0.151	0.131	0.121	
22	112-0394●	0.167	0.147	0.137	
24	112-0395●	0.172	0.152	0.141	
26	112-0397●	0.176	0.156	0.145	
28	112-0398●	0.178	0.157	0.147	
30	112-0399●	0.210	0.195	0.178	
32	112-0400●	0.220	0.200	0.188	
34	112-0401●	0.220	0.200	0.194	
36	112-0403●	0.260	0.200	0.197	
38	112-0404●	0.260	0.210	0.200	
40	112-0405●	0.270	0.210	0.200	

MicroClasp™ Vertical Headers - Single & Dual Row
2.00mm Pitch



Mftrs. List No. 55932xx10 = Single Row with Polarising Peg
55932xx30 = Single Row without Polarising Peg
55917xx10 = Dual Row with Polarising Peg
55917xx30 = Dual Row without Polarising Peg

Order Multiple=10					
No. of Ways	Order Code	10+	100+	250+	
Single Row - with Polarising Peg					
2	112-0482●	0.128	0.119	0.113	
3	112-0483●	0.137	0.126	0.121	
4	112-0484●	0.153	0.143	0.137	
5	112-0485●	0.183	0.169	0.163	
6	112-0486●	0.198	0.172	0.161	
8	112-0489●	0.171	0.162	0.156	
9	112-0490●	0.210	0.200	0.197	
13	112-0494●	0.310	0.290	0.280	
Single Row - without Polarising Peg					
2	112-0497●	0.126	0.112	0.104	
3	112-0498●	0.137	0.120	0.111	
4	112-0500●	0.151	0.133	0.124	
5	112-0501●	0.183	0.161	0.149	
6	112-0502●	0.158	0.138	0.129	
8	112-0504●	0.210	0.190	0.177	
10	112-0507●	0.300	0.260	0.240	
12	112-0509●	0.320	0.270	0.240	
14	112-0511●	0.220	0.197	0.189	
15	112-0512●	0.240	0.210	0.189	
Dual Row - with Polarising Peg					
8	112-0425●	0.191	0.167	0.156	
10	112-0427●	0.196	0.172	0.161	
12	112-0428●	0.210	0.194	0.181	
14	112-0429●	0.260	0.210	0.200	
16	112-0430●	0.290	0.250	0.220	
18	112-0431●	0.330	0.290	0.260	
20	112-0432●	0.340	0.310	0.290	
22	112-0433●	0.400	0.350	0.330	
24	112-0434●	0.320	0.280	0.260	
26	112-0435●	0.440	0.400	0.360	
30	112-0437●	0.370	0.330	0.310	
34	112-0441●	0.570	0.510	0.470	
36	112-0442●	0.450	0.390	0.360	
38	112-0443●	0.610	0.530	0.500	
40	112-0444●	0.500	0.440	0.420	



2.0mm Pitch MicroClasp - continued

MicroClasp™ Vertical Headers - Single & Dual Row - continued
2.00mm Pitch - continued

Order Multiple=10				
No. of Ways	Order Code	10+	Price Each 100+	250+
Dual Row - without Polarisng Peg				
8	112-0445	0.166	0.143	0.133
10	112-0446	0.173	0.150	0.139
12	112-0447	0.190	0.166	0.154
14	112-0448	0.290	0.250	0.220
16	112-0449	0.320	0.280	0.260
18	112-0450	0.270	0.240	0.220
20	112-0452	0.360	0.330	0.310
24	112-0454	0.320	0.280	0.270
26	112-0455	0.450	0.400	0.370
28	112-0456	0.350	0.320	0.310
30	112-0457	0.380	0.340	0.320
32	112-0458	0.530	0.460	0.430
40	112-0462	0.620	0.550	0.520

MicroClasp™ Vertical SMT Header - Dual Row
2.00mm Pitch

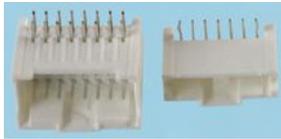


Mfrs. List No. 55763xx70 = Dual Row



Order Multiple=10				
No. of Ways	Order Code	10+	Price Each 100+	250+
Dual Row				
20	SMD-112-0422	1.57	1.38	1.29
30	SMD-112-0423	1.82	1.59	1.48
40	SMD-112-0424	1.96	1.71	1.60

MicroClasp™ Right Angle Headers - Single & Dual Row
2.00mm Pitch



Mfrs. List No. 55932XX10 = Single Row with Polarisng Peg
55932XX30 = Single Row without Polarisng Peg
55959XX30 = Dual Row without Polarisng Peg



Order Multiple=10				
No. of Ways	Order Code	10+	Price Each 100+	250+
Single Row - with Polarisng Peg				
2	112-0513	0.181	0.168	0.161
3	112-0514	0.192	0.177	0.170
4	112-0515	0.200	0.188	0.180
5	112-0516	0.200	0.180	0.168
6	112-0518	0.220	0.210	0.200
7	112-0519	0.180	0.164	0.156
8	112-0520	0.250	0.220	0.210
10	112-0522	0.400	0.340	0.320
11	112-0523	0.300	0.280	0.270
15	112-0527	0.410	0.380	0.360
Single Row - without Polarisng Peg				
4	112-0532	0.200	0.176	0.165
5	112-0533	0.155	0.136	0.126
7	112-0535	0.171	0.155	0.144
8	112-0536	0.180	0.156	0.147
10	112-0538	0.300	0.260	0.250
13	112-0541	0.320	0.280	0.270
Dual Row - without Polarisng Peg				
10	112-0465	0.350	0.310	0.290
12	112-0466	0.340	0.300	0.280
14	112-0467	0.310	0.270	0.250
16	112-0468	0.420	0.370	0.340
18	112-0469	0.340	0.300	0.280
20	112-0470	0.350	0.310	0.300
22	112-0471	0.510	0.450	0.420
24	112-0472	0.410	0.360	0.340
28	112-0474	0.350	0.310	0.290
30	112-0476	0.670	0.600	0.560
34	112-0478	0.720	0.630	0.590
38	112-0480	0.820	0.700	0.650
40	112-0481	0.620	0.550	0.510

Crimp Terminal and Tooling for MicroClasp™



Order Code	Wire Size mm ²	Wire Size AWG	Mfrs. List No.
112-0545	0.12 - 0.4	26 - 22	56134-8100
112-0546	0.086 - 0.4	28 - 22	56134-9100

Tooling			Mfrs. List No.
112-0547	Extraction Tool		57399-6000
112-0548	Crimp Tool		57404-5300

Order Multiple=10				
	Order Code	100+	Price Each 500+	1K+
Crimp Contacts				
Female Terminal	112-0545	0.029	0.023	0.022
Female Terminal	112-0546	0.024	0.022	0.020
		1+	+	+
Tooling				
Extraction Tool	112-0547	65.880	--	--
Crimp Tool, Hand	112-0548	531.610	--	--

2.0mm Pitch Milli-Grid

Milli-Grid™ Crimp Housing and PCB Headers



- High density 2mm grid pattern
- Versatile breakaway unshrouded vertical headers
- Unshrouded headers end stackable
- 4 to 50 way double row
- 0.5mm square header pins
- Gold plated contacts
- Flame retardant to **UL94-V0**
- **CSA** approved
- **UL** recognised

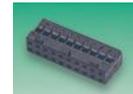
Current rating	1A	Body material:	
Voltage rating	125V ac	Crimp housing, unshrouded/slip-off headers	Black G.F. Polyester, UL94-0
Contact resistance	25mΩ max.	Shrouded headers and sockets	Black G.F. Polyester, UL94-0
Dielectric strength	500V ac rms		
Insulation resistance	1000MΩ		

Milli-Grid™ Crimp Terminal Housing
2.0mm Pitch



Non-Polarised

Mfrs. List No. 51110-xx50 where xx = No. of ways



Centre Polarisng Bump and side latches

Mfrs. List No. 51110-xx51 where xx = No. of ways

Order Multiple=10							
No. of Ways	Order Code	10+	100+	Price Each 250+	500+	1K+	2K5+
Non-Polarised							
4	510-968	0.176	0.138	0.110	0.088	0.074	0.061
6	510-970	0.280	0.220	0.165	0.143	0.105	0.084
8	510-981	0.420	0.300	0.210	0.166	0.131	0.123
10	510-993	0.460	0.350	0.230	0.182	0.158	0.154
14	511-584	0.560	0.490	0.420	0.350	0.280	0.210
16	511-018	0.650	0.510	0.320	0.260	0.240	0.230
20	511-020	0.820	0.680	0.460	0.410	0.360	0.330
Order Multiple=5							
Centre-Polarising							
14	511-031	0.510	0.450	0.390	0.330	0.270	0.210
16	511-043	0.590	0.480	0.320	0.260	0.240	0.230
20	511-596	0.700	0.570	0.460	0.380	0.340	0.320

Crimp Terminal for Milli-Grid™



Wire Size mm ²	Wire Size AWG	Insulation Diameter	Mfrs. List No.
0.051-0.22	30-24	max.	50394-8100..

Pack Quantity	Order Code	1+	Price Per Pack 5+	10+
100	977-3851	8.87	5.64	4.89
1000	973-2845	77.84	44.92	36.62

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Crimp Tool for Milli-Grid™



209432

Mfrs. List No.	Order Code	Price Each
63819-0100	156-0169●	142.45

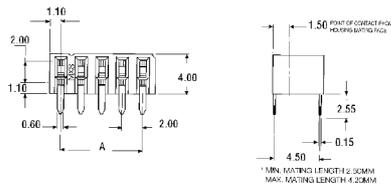
Milli-Grid™ Side Entry Sockets



2.0mm Pitch



PCB hole dia. = 0.9±0.05



Mfrs. List No. 87264-xx52 where xx=No. of ways

209433

No. of Ways	Order Code	1+	100+	250+	500+	1K+	2K5+
6	856-0102●	0.80	0.62	0.57	0.50	0.44	0.41
8	856-0110●	1.22	0.99	0.88	0.76	0.60	0.50
10	856-0129●	1.39	1.09	0.97	0.83	0.65	0.56
14	856-0137●	1.82	1.46	1.27	0.97	0.77	0.64
16	856-0145●	1.96	1.57	1.37	1.05	0.83	0.67
20	856-0153●	2.23	1.79	1.56	1.19	0.94	0.74

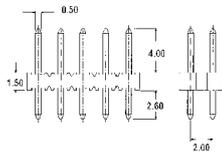
Milli-Grid™ Straight Pin Header



2.0mm Pitch



PCB hole dia. = 0.9±0.05



Mfrs. List No. 87758-xx16 where xx=No. of ways

209435

No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
4	747-2315●	0.390	0.320	0.280	0.210	0.168	0.154
6	747-2323●	0.470	0.380	0.300	0.280	0.230	0.187
8	747-2331●	0.510	0.430	0.410	0.330	0.260	0.240
10	747-2340●	0.610	0.540	0.480	0.370	0.290	0.270
14	747-2358●	0.720	0.610	0.530	0.460	0.370	0.330
16	747-2366●	0.580	0.500	0.440	0.390	0.350	0.320
20	747-2374●	1.080	0.920	0.800	0.660	0.520	0.480
50	747-2382●	2.320	1.930	1.660	1.300	1.020	0.930

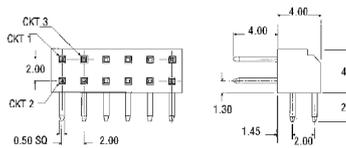
Milli-Grid™ Right Angle Pin Headers



2.0mm Pitch



PCB hole dia. = 0.9±0.05



Mfrs. List No. 8760xx16 where xx=No. of ways

209437

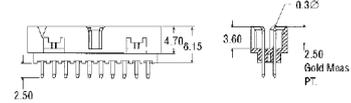
No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
4	747-2099●	0.420	0.330	0.290	0.220	0.175	0.169
6	747-2110●	0.410	0.330	0.280	0.220	0.171	0.164
8	747-2129●	0.570	0.450	0.390	0.300	0.240	0.220
10	747-2137●	0.700	0.560	0.490	0.460	0.410	0.310
14	747-2145●	0.760	0.610	0.540	0.480	0.380	0.310
16	747-2153●	0.880	0.730	0.650	0.510	0.400	0.360
20	747-2161●	1.040	0.840	0.760	0.640	0.500	0.440

Milli-Grid™ Straight Pin Shrouded Header Centre



Polarising Slot and Side Latches

2.0mm Pitch



PCB hole dia. = 0.9±0.05

Mfrs. List No. 87831-xx20 where xx=No. of ways

209438

No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
4	747-2242●	0.63	0.51	0.44	0.34	0.27	0.24
6	747-2250●	0.69	0.55	0.48	0.37	0.29	0.25
8	747-2269●	0.59	0.48	0.42	0.35	0.34	0.33
10	747-2277●	0.73	0.59	0.51	0.39	0.35	0.34
14	747-2285●	1.03	0.83	0.72	0.55	0.44	0.40
16	747-2293●	1.11	0.89	0.77	0.59	0.47	0.43
20	747-2307●	1.47	1.18	1.03	0.79	0.62	0.52

Milli-Grid™ Right Angle Pin Shrouded Headers



2.0mm Pitch



PCB hole dia. = 0.9±0.05



Mfrs. List No. 87833-xx20 where xx=No. of ways

209439

No. of Ways	Order Code	5+	100+	250+	500+	1K+	2K5+
6	747-2188●	0.77	0.62	0.54	0.41	0.33	0.28
10	747-2200●	1.20	0.96	0.76	0.59	0.55	0.47
14	747-2218●	1.28	1.03	0.92	0.72	0.66	0.56
16	747-2226●	1.31	1.05	0.91	0.70	0.55	0.49
20	747-2234●	1.63	1.31	1.14	0.87	0.69	0.58

2.0mm Sherlock

Sherlock™ 2.0mm Pitch WTW, WTB



The Sherlock system utilizes Molex's proven 50212 terminal, along with a positive lock housing and straight and right angle headers. Originally developed for wire-to-board PC monitor applications, this new 2.0mm pitch system can also be used for other applications that require space savings and secure locking features.

- Low profile and compact
- Positive locking ribs
- Polarising guide wall

- Low insertion force
- Fully shrouded header
- CSA Approved and UL Recognised

Mfrs. List No: Straight Header = 35362xx10, Right Angle Header = 35363xx10, Socket = 35507xx00, Crimp = 502128100, Crimp Tool = 63811200.

Where xx = Number of Ways

Voltage	125 V	Dielectric Withstand Voltage	500V ac
Current, 24/26/28/30 AWG	2.0/1.5/1.0/0.5A	Insulation Resistance	1000Mohm
Contact Resistance, Max.	20mohm	Operating Temperature Range	-40°C to +105°C

348839

Order Multiple=10	No. of Ways	Order Code	10+	100+	250+	500+	1K+
Straight Header							
2		928-9356●	0.113	0.094	0.078	0.064	0.059
3		928-9364●	0.113	0.094	0.078	0.064	0.059
4		928-9372●	0.104	0.086	0.073	0.059	0.055
5		928-9380●	0.151	0.126	0.106	0.085	0.078
6		928-9399●	0.162	0.139	0.128	0.113	0.101
8		928-9402●	0.198	0.166	0.134	0.108	0.100
10		928-9410●	0.250	0.210	0.169	0.140	0.129
12		928-9429●	0.250	0.210	0.193	0.166	0.154
Right Angle Header							
2		928-9437●	0.092	0.077	0.065	0.055	0.051
3		928-9445●	0.108	0.090	0.075	0.061	0.056
4		928-9453●	0.113	0.094	0.078	0.064	0.059
5		928-9461●	0.099	0.084	0.074	0.065	0.059
6		928-9470●	0.142	0.127	0.113	0.101	0.090
8		928-9488●	0.200	0.169	0.140	0.110	0.102
10		928-9496●	0.270	0.240	0.210	0.192	0.177
12		928-9500●	0.300	0.270	0.240	0.220	0.181
Socket							
2		757-1550●	0.070	0.059	0.050	0.043	0.040
3		757-1569●	0.057	0.047	0.039	0.031	0.029
4		757-1577●	0.084	0.070	0.058	0.054	0.050
5		757-1585●	0.084	0.070	0.057	0.045	0.042
6		757-1593●	0.107	0.089	0.073	0.059	0.055

2.0mm Sherlock - continued

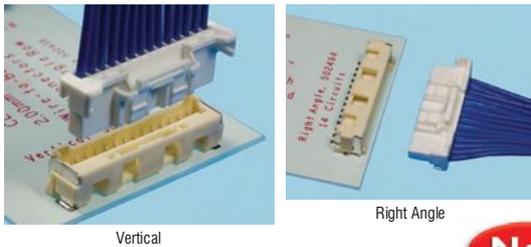
Sherlock™ 2.0mm Pitch - continued

WTW, WTB - continued

Order Multiple=10		10+	100+	250+	500+	1K+
Socket						
8	757-1607●	0.124	0.104	0.084	0.068	0.063
10	757-1623●	0.159	0.133	0.110	0.089	0.082
12	757-1631●	0.270	0.210	0.184	0.141	0.111
Order Multiple=100						
Crimp Terminal, Female		100+	500+	1K+		
757-1640●		0.110	0.094	0.085		
Crimp Tool						
163-3781		170.650				

2.0mm Pitch CLIK-Mate

CLIK-Mate™ SMT Wire-to-Board Connectors
2.00mm Pitch



Vertical

Right Angle



Molex's new 2.00mm pitch SMT CLIK-Mate series provides dual positive locks and a superior audible click to help ensure connectors are fully mated.

The CLIK-Mate series was designed for applications such as LCD TVs that require higher pin count connectors to carry more signal lines in less space. The connectors in this series have a unique tuning fork terminal concept that provides low insertion force and secure mating contact.

- Benefits of the 2.00mm pitch SMT CLIK-Mate series:
 - Drop-in replacement to competitive versions
 - Audible click, low insertion force and secure mating
 - Housing wall support and secure PCB retention
 - Secure contact and avoids terminal stubbing
 - Reinforced metal solder tabs
 - Easy automatic board placement

Housing Material	Contact Material	Contact Plating	Voltage	Current Rating	Operating Temperature
Polybutylene Terephthalate	Copper Alloy	Tin	250V	3A	-20°C to 85°C

520434

Mfrs. List No.	No. of Ways	Order Code	10+	100+	250+	500+	1K+
Crimp Housings							
502439-0400	4	161-7057●	0.099	0.085	0.076	0.072	0.063
502439-0600	6	161-7058●	0.081	0.068	0.063	0.057	0.052
502439-0800	8	161-7061●	0.083	0.069	0.064	0.058	0.053
502439-1200	12	161-7062●	0.089	0.075	0.069	0.062	0.057
Vertical Receptacles							
502443-0470	4	161-7063●	0.280	0.220	0.210	0.190	0.172
502443-0670	6	161-7065●	0.300	0.250	0.220	0.200	0.186
502443-0870	8	161-7066●	0.350	0.300	0.280	0.250	0.210
502443-1270	12	161-7067●	0.450	0.390	0.360	0.330	0.300
R/A Receptacles							
502494-0470	4	161-7068●	0.450	0.390	0.360	0.320	0.300
502494-0670	6	161-7069●	0.300	0.250	0.220	0.200	0.189
502494-0870	8	161-7070●	0.380	0.320	0.300	0.270	0.240
502494-1270	12	161-7071●	0.500	0.430	0.400	0.360	0.330
End-to-End Leads							
85409-0038	22AWG, 300mm	161-7073●	0.440	0.380	0.350	0.320	0.290
85409-0039	22AWG, 150mm	161-7074●	0.320	0.270	0.250	0.220	0.200

2.0mm Pitch Connectors

Pin Headers and Sockets

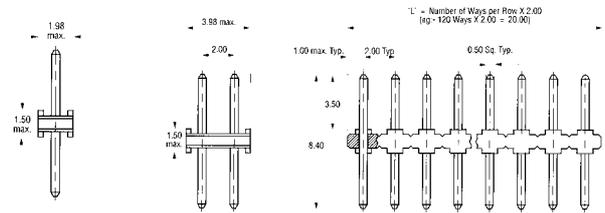
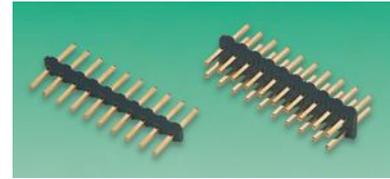


- PCB headers on 2mm pitch, with mating sockets for board to board connections
- Crimp terminals and housing for wire to board connections
- Single and double row phosphor bronze headers 0.5mm square
- Available in up to 50 ways, can be cut to smaller sizes
- Mates with Harwin 2mm socket range

Housing	Glass Filled Thermoplastic, UL94V-0 rated	Working voltage	250V dc/250V ac (peak)
Contacts	Phosphor Bronze	Insulation resistance	10000MΩ(min.)
Contact rating	2A max. @ 25°C (for an individual contact)	Operating temperature	-41°C to +85°C
	1A max. @ 25°C (for an all contacts)		

209456

Pin Headers - Straight
Gold Plated, SIL and DIL

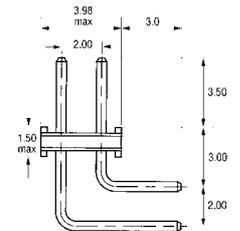
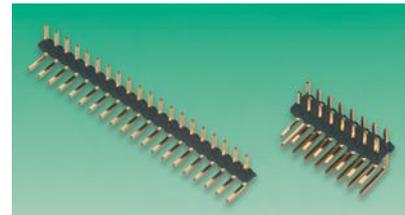


Mfrs. List No. Single row=M22-201xx05, Double row=M22-202xx05, where xx=No. of ways

209454

No. of Ways	Order Code	10+	50+	100+	500+	1K+
Single Row						
Order Multiple=10						
3	671-927●	0.117	0.092	0.082	0.070	0.059
4	671-939●	0.156	0.122	0.095	0.086	0.085
5	671-940●	0.192	0.146	0.122	0.110	0.098
6	671-952●	0.210	0.170	0.146	0.123	0.110
8	671-964●	0.290	0.210	0.182	0.159	0.148
10	671-976●	0.360	0.280	0.220	0.210	0.186
12	671-988●	0.420	0.330	0.280	0.250	0.220
Order Multiple=1						
20	671-990●	0.770	0.580	0.480	0.400	0.370
50	672-002●	1.900	1.450	1.240	1.050	0.950
Double Row						
Order Multiple=10						
3+3	672-026●	0.250	0.183	0.157	0.134	0.124
20+20	671-990●	0.770	0.580	0.480	0.400	0.370
4+4	672-038●	0.300	0.220	0.193	0.172	0.148
5+5	672-040●	0.370	0.290	0.250	0.210	0.186
6+6	672-051●	0.430	0.340	0.290	0.250	0.220
8+8	672-063●	0.580	0.430	0.370	0.330	0.290
10+10	672-075●	0.710	0.560	0.460	0.380	0.360
12+12	672-087●	0.910	0.690	0.560	0.480	0.420
Order Multiple=1						
20+20	672-099●	1.530	1.180	0.920	0.800	
50+50	672-105●	3.830	2.900	2.340	1.660	

Pin Headers - 90°
Gold Plated, SIL and DIL



Mfrs. List No. Single row=M22-203xx05, Double row=M22-204xx05, where xx=No. of ways

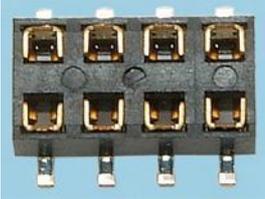
209453

No. of Ways	Order Code	10+	50+	100+	500+	1K+
Single Row						
Order Multiple=10						
2	672-117●	0.127	0.103	0.082	0.070	0.069
3	672-129●	0.150	0.103	0.092	0.083	0.082
4	672-130●	0.186	0.129	0.117	0.105	0.094
5	672-142●	0.240	0.174	0.139	0.107	0.103
8	672-154●	0.350	0.270	0.200	0.172	0.159
10	672-166●	0.640	0.480	0.400	0.330	0.310
12	672-178●	0.540	0.380	0.320	0.260	0.250
Order Multiple=1						
20	672-180●	1.040	0.810	0.620	0.540	0.490
50	672-191●	1.700	1.300	1.050	0.870	0.810
Double Row						
Order Multiple=10						
2+2	672-208●	0.250	0.182	0.146	0.123	0.110
3+3	672-210●	0.290	0.210	0.200	0.148	0.135
4+4	672-221●	0.330	0.250	0.210	0.167	0.158
5+5	672-233●	0.460	0.350	0.280	0.240	0.220

No. of		Price Each				
Double Row		10+	50+	100+	500+	1K+
Order Multiple=10						
8+8	672-245●	0.700	0.540	0.410	0.360	0.340
10+10	672-257●	0.880	0.650	0.550	0.420	0.400
12+12	672-269●	0.840	0.680	0.580	0.500	0.440
Order Multiple=1						
20+20	672-270●	1.730	1.320	1.060	0.850	0.810
50+50	672-282●	4.410	3.330	2.680	2.190	1.970

No. of		Price Each				
Double Row		10+	50+	100+	500+	1K+
Order Multiple=10						
2+2	672-506●	0.155	0.123	0.098	0.090	0.080
3+3	672-518●	0.250	0.186	0.152	0.105	0.103
4+4	672-520●	0.870	0.850	0.820	0.800	0.780
10+10	672-531●	0.360	0.320	0.300	0.270	0.230
12+12	672-543●	0.300	0.270	0.260	0.230	0.220

Sockets - Vertical
Double Row SMT



- Double row vertical sockets
- Phosphor bronze twin leaf contact
- Gold plated contacts, tin plated terminals
- Mate with Harwin 2mm header range
- 2.3mm high SMT sockets
- Twin beam contact for cost effective reliability

Mftrs. List No. Double row SMT = M22-636XX42

209455

No. of		Price Each				
Double Row SMD		1+	10+	50+	100+	500+
Order Multiple 1						
4+4	118-9099●	0.95	0.88	0.82	0.78	0.76
5+5	118-9100●	1.10	1.04	1.00	0.96	0.94
8+8	118-9102●	1.78	1.67	1.60	1.55	1.50
10+10	118-9103●	2.15	2.03	1.93	1.85	1.80
12+12	118-9106●	2.57	2.44	2.30	2.23	2.17

Sockets - Vertical
SIL and DIL, 2.6mm Tail Length



- 2.6mm tail length
- Single and double row vertical sockets
- Phosphor bronze twin leaf contact
- Mate with Harwin 2mm header range
- Twin beam contact for cost effective reliability

Current rating 1A
 Proof Voltage 500V AC/DC
 Temperature range -40°C to +105
 Contact resistance 20mohm
 Insulation resistance 5000Mohm min.

Contact Material Phosphor Bronze
 Contact area Gold
 Housing Black Nylon 6T
 Flammability rating UL94V-0

Mftrs. List No. Single row=M22-713xx42, Double row=M22-714xx42, where xx=No. of ways

222778

No. of		Price Each				
Single Row		1+	10+	50+	100+	500+
Order Multiple=10						
3	110-9726●	0.74	0.57	0.46	0.40	0.36
4	110-9727●	0.84	0.65	0.53	0.43	0.41
5	110-9729●	0.82	0.62	0.52	0.42	0.40
6	110-9731●	0.86	0.63	0.52	0.44	0.40
10	110-9732●	1.37	1.02	0.85	0.66	0.61
20	110-9733●	2.16	1.67	1.32	1.05	0.95
Dual Row						
3+3	110-9734●	0.81	0.62	0.50	0.43	0.39
4+4	110-9735●	1.06	0.80	0.63	0.55	0.50
5+5	110-9736●	1.25	0.94	0.77	0.61	0.56
6+6	110-9737●	1.37	1.04	0.83	0.65	0.60
7+7	110-9793●	1.43	1.14	0.92	0.77	0.69
8+8	110-9794●	1.58	1.26	1.06	0.89	0.80
10+10	110-9738●	2.28	1.76	1.39	1.09	1.03
20+20	110-9739●	4.17	3.17	2.55	2.02	1.83
25+25	110-9740●	4.87	3.68	2.96	2.27	2.06

Crimp Terminal Housings
SIL and DIL



Mates with Harwin 2mm crimps and headers.

Material Black Nylon UL94V-0 rated
 Temperature range -25°C to +90°C

Mftrs. List No. Single row=M22-301xx00, Double row=M22-302xx00, where xx=No. of ways

209459

No. of		Price Each				
Single Row		10+	50+	100+	500+	1K+
Order Multiple=10						
2	672-452●	0.163	0.152	0.129	0.105	0.084
3	672-464●	0.156	0.130	0.120	0.103	0.083
4	672-476●	0.200	0.186	0.174	0.154	0.131
10	672-488●	0.152	0.138	0.126	0.113	0.104
12	672-490●	0.168	0.161	0.148	0.134	0.119

Crimp Terminals



- Twin leaf phosphor bronze crimps
- Supplied in bags of 100 in convenient strips of 10
- For 24 to 30 AWG wires

Mftrs. List No. M22-3050006 = 672-555, M22-3050022 = 672-567

209458

100 Per Pack		Price Per Pack				
Finish		1+	5+	10+	50+	100+
Tin	102-2266●	6.20	5.54	5.25	4.64	4.64
Gold	102-2265●	8.41	7.55	7.02	5.82	5.82

Crimp Tool



- Easy to operate fixed ratchet hand tool
- Supplied with full instructions.

Recommended wire gauge 24-30 AWG

209460

Mftrs. List No.		Order Code		Price Each	
222-020		1+	5+	10+	50+
		672-579	543.15	491.27	463.78

Minitek PIP Connectors
Unshrouded Headers



Minitek is FCI's brand for board-to-board and wire/cable-to-board connectors in 2.00mm pitch.

Pin in Paste (PiPo) technology allows the use of TMT products in SMT manufacturing processes.

The connectors are automatically or manually placed on the board, then soldered in the same operation as the SMT components, whilst still maintaining the

mechanical strength of TMT soldering.

Housing Material: High temperature, black thermoplastic.

Applications: Electronic equipment requiring a parallel or perpendicular board-to-board or wire-to-board interconnect.

Benefits: Up to 38% space saving compared to 2.54mm pitch.

Orientation	Mating Length	Contact Material	Contact Plating	Current Rating	Operating Temperature
Vertical	4 mm	Phosphor Bronze	0.76 μm (30 μ") Gold	2A	-55°C to 125°C
Right Angle	4 mm	Phosphor Bronze	0.76 μm (30 μ") Gold	2A	-40°C to 105°C

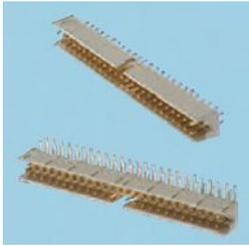
515375

No. of		Price Each					
Orientation		Mftrs. List No.	Order Code	5+	50+	100+	250+
Vertical	2	10075024-G01-02LF	156-8576●	0.91	0.78	0.69	0.62
Vertical	3	10075024-G01-03LF	156-8578●	0.94	0.80	0.71	0.64
Vertical	4	10075024-G01-04ULF	156-8579●	0.98	0.83	0.73	0.65
Vertical	5	10075024-G01-05ULF	156-8580●	0.68	0.57	0.51	0.46
Vertical	6	10075024-G01-06ULF	156-8581●	0.79	0.66	0.60	0.54
Vertical	8	10075024-G01-08ULF	156-8582●	1.31	1.10	0.99	0.88
Vertical	10	10075024-G01-10ULF	156-8583●	1.63	1.38	1.21	1.10
Vertical	50	10075024-G01-25ULF	162-3812●	2.67	2.55	2.41	2.31
Right Angle	2	10072353-G01-02LF	156-8584●	1.00	0.85	0.76	0.68
Right Angle	3	10072353-G01-03LF	156-8585●	1.03	0.87	0.78	0.70
Right Angle	4	10072353-G01-04ULF	156-8586●	1.05	0.90	0.80	0.71
Right Angle	5	10072353-G01-05ULF	156-8587●	0.77	0.64	0.58	0.51
Right Angle	6	10072353-G01-06ULF	156-8588●	0.90	0.76	0.68	0.61
Right Angle	8	10072353-G01-08ULF	156-8591●	1.37	1.16	1.03	0.93
Right Angle	10	10072353-G01-10ULF	156-8592●	1.84	1.56	1.39	1.24
Right Angle	50	10072353-G01-25ULF	162-3814●	3.02	2.89	2.71	2.61



2.0mm Pitch Connectors - continued

Minitek PiP Connectors
Shrouded Headers



Minitek is FCI's brand for board-to-board and wire/cable-to-board connectors in 2.00mm pitch. Pin in Paste (PiP) technology allows the use of TMT products in SMT manufacturing processes. The connectors are automatically or manually placed on the board, then soldered in the same operation as the SMT components, whilst still maintaining the mechanical strength of TMT soldering. Housing Material: High temperature, cream colored thermoplastic. Applications: Electronic equipment requiring a parallel or perpendicular board-to-board or wire-to-board in-

terconnect. Benefits: Up to 38% space saving compared to 2.54mm pitch.

Orientation	Mating Length	Contact Material	Contact Plating	Current Rating	Operating Temperature
Vertical	4 mm	Phosphor Bronze	0.76 μm (30 μ") Selective Gold	2A	-40°C to 105°C
Right Angle	4 mm	Phosphor Bronze	0.76 μm (30 μ") Selective Gold	2A	-40°C to 105°C

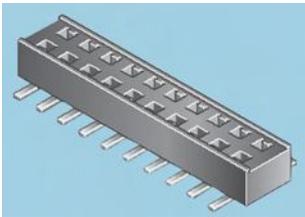
515479

Orientation	Mfrs. List No.	Order Code	Price Each			
			5+	50+	100+	250+
Vertical	10075025-G01-04LF	156-8593●	0.99	0.84	0.75	0.66
Vertical	10075025-G01-06LF	156-8594●	1.01	0.86	0.77	0.69
Vertical	10075025-G01-08ULF	156-8595●	1.04	0.88	0.79	0.70
Vertical	10075025-G01-10ULF	156-8596●	0.72	0.61	0.55	0.49
Vertical	10075025-G01-12ULF	156-8597●	0.84	0.72	0.63	0.58
Vertical	10075025-G01-16ULF	156-8598●	1.39	1.17	1.05	0.96
Vertical	10075025-G01-20ULF	156-8599●	1.73	1.47	1.32	1.17
Right Angle	10072354-G01-04LF	156-8600●	1.09	0.93	0.83	0.75
Right Angle	10072354-G01-06LF	156-8601●	1.11	0.96	0.84	0.77
Right Angle	10072354-G01-08ULF	156-8602●	1.13	0.97	0.86	0.78
Right Angle	10072354-G01-10ULF	156-8603●	0.81	0.69	0.61	0.56
Right Angle	10072354-G01-12ULF	156-8604●	0.96	0.81	0.72	0.64
Right Angle	10072354-G01-16ULF	156-8605●	1.57	1.34	1.18	1.07
Right Angle	10072354-G01-20ULF	156-8606●	1.96	1.67	1.48	1.34

Minitek™ Vertical Receptacles and Unshrouded Vertical Headers



2.00 mm



Receptacle



Header

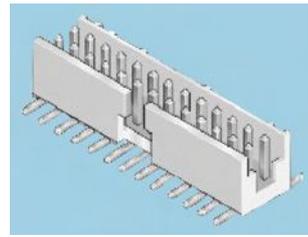
- Dual-beam contact design for highly reliable electrical performance
- Surface mount connectors
- Orientation: Vertical
- Housing heights: Receptacles - 4.50 mm; Headers 4.00 mm

Product	Housing Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Receptacle	High Temperature Thermoplastic	Phosphor Bronze	0.76 μm (30 μ") Gold	1A	-55°C to 125°C
Header	High Temperature Thermoplastic	Phosphor Bronze	0.76 μm (30 μ") Gold	2A	-55°C to 125°C

518333

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			5+	50+	100+	250+	500+
Receptacles							
55510-104TRLF	4	162-3769●	0.550	0.530	0.500	0.480	0.460
55510-106TRLF	6	162-3770●	0.590	0.570	0.530	0.510	0.500
55510-108TRLF	8	162-3772●	0.720	0.690	0.640	0.620	0.600
55510-110TRLF	10	162-3773●	0.900	0.870	0.820	0.790	0.760
55510-112TRLF	12	162-3774●	0.990	0.940	0.890	0.860	0.830
55510-116TRLF	16	162-3775●	1.000	0.960	0.900	0.870	0.840
55510-120TRLF	20	162-3776●	1.280	1.210	1.140	1.100	1.060
Headers							
57202-G52-02LF	4	162-2136●	0.320	0.310	0.290	0.280	0.270
57202-G52-03LF	6	162-2137●	0.320	0.690	0.640	0.620	0.600
57202-G52-04LF	8	162-2138●	0.210	0.200	0.197	0.190	0.181
57202-G52-05LF	10	162-2139●	0.280	0.270	0.260	0.250	0.220
57202-G52-06LF	12	162-2140●	0.330	0.320	0.300	0.290	0.280
57202-G52-08LF	16	162-2142●	0.500	0.480	0.460	0.440	0.430
57202-G52-10LF	20	162-2144●	0.610	0.590	0.560	0.540	0.520

Minitek™ Shrouded Vertical Headers
2.00 mm



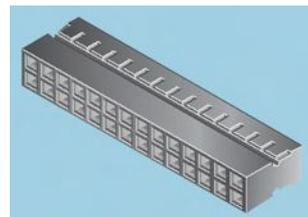
- 4-wall design prevents mis-mating
- Selective plating
- Co-planarity 0.1 (SMT)
- Compatible with wave, vapor-phase, and IR reflow soldering processes
- Headers mate with the Minitek™ 2.00mm Crimp-to-Wire Housings (90311 series), Minitek™ 2.00mm Vertical Receptacles (55510), Minitek™ 2.00mm IDC Receptacles (89361 series) and Minitek™ Active Latch Housings (10073599 series)

Housing Material	Contact Material	Contact Plating	No. of Mating Cycles	Current Rating	Operating Temperature
High Temp. Thermoplastic	Phosphor Bronze	0.76 μm (30 μ") Selective Gold	100	2A	-40°C to 105°C

519122

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			5+	50+	100+	250+	500+
98424-G52-04LF	4	162-3785●	0.310	0.300	0.280	0.270	0.260
98424-G52-06LF	6	162-3786●	0.490	0.470	0.450	0.430	0.420
98424-G52-08LF	8	162-3787●	0.670	0.640	0.610	0.580	0.560
98424-G52-10LF	10	162-3788●	0.790	0.750	0.700	0.660	0.640
98424-G52-12LF	12	162-3789●	0.930	0.890	0.840	0.810	0.790
98424-G52-16LF	16	162-3790●	1.130	1.080	1.020	0.980	0.940
98424-G52-20LF	20	162-3791●	1.280	1.210	1.150	1.100	1.070
Shunt							
86730-101LF	2.00mm	162-3792●	0.180	0.172	0.162	0.156	0.150
Crimp-to-Wire Contact							
77138-101LF	26-30AWG	162-3793●	0.095	0.087	0.075		

Minitek™ Crimp-to-Wire Housings
2.00 mm



- Dual-beam contact design for highly reliable electrical performance
- Latching key assures proper alignment and friction retention
- Contact retention to housing: 7.83N (800gf) min.
- Mating force per contact: 1.77N (180gf) min.
- Unmating force per contact: 0.20N (20gf) min.

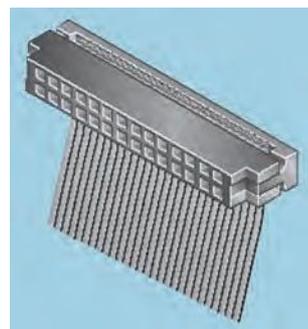
●Housings mate with the Minitek™ 2.00mm Shrouded Vertical Headers (98424-G52 series)

Housing Material	Contact Material	Contact Plating	No. of Mating Cycles	Current Rating	Operating Temperature
Thermoplastic	Phosphor Bronze	Gold over 1.27μm (50μ") Nickel	100	2A	-40°C to 105°C

519038

Mfrs. List No.	No. of Ways	Order Code	Price Each				
			5+	50+	100+	250+	500+
90311-004LF	4	162-3777●	0.360	0.350	0.330	0.320	0.310
90311-006LF	6	162-3778●	0.300	0.290	0.280	0.270	0.260
90311-008LF	8	162-3779●	0.340	0.330	0.310	0.300	0.290
90311-010LF	10	162-3780●	0.360	0.350	0.330	0.320	0.310
90311-012LF	12	162-3781●	0.440	0.420	0.390	0.380	0.360
90311-016LF	16	162-3782●	0.530	0.510	0.480	0.460	0.450
90311-020LF	20	162-3784●	0.620	0.590	0.560	0.540	0.520
Crimp-to-Wire Contact							
77138-101LF	26-30AWG	162-3793●	0.095	0.087	0.075		

Minitek™ IDC Receptacles
2.00 mm



- Early entry, single-beam contacts provide long wiping action for reliable electrical contact
- Center key polarization and friction latch options
- 2.55 mm min. to 4.57 mm max. [provides .381 mm wipe]
- Receptacles mate with the Minitek™ 2.00mm Shrouded Vertical Headers (8424-G52 series) and Minitek™ 2.00mm Eject Latch Headers (10078991-G22 series)

Housing Material	Contact Material	Contact Plating	No. of Mating Cycles	Current Rating	Operating Temperature
Glass - Filled Thermoplastic Polyester	Phosphor Bronze	0.2 μm (8 μin.) Gold	100	1A	-40°C to 105°C

519203

15

Farnell

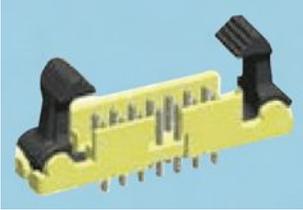


40,000 PRICES REDUCED



Mfrs. List No.	No. of Ways	Order Code	5+	50+	100+	250+	500+
89361-706LF	6	162-3794	0.58	0.55	0.52	0.51	0.49
89361-708LF	8	162-3796	0.78	0.73	0.69	0.65	0.63
89361-710LF	10	162-3797	0.66	0.63	0.60	0.58	0.56
89361-712LF	12	162-3798	0.59	0.57	0.54	0.52	0.50
89361-716LF	16	162-3799	0.99	0.94	0.89	0.86	0.83
89361-720LF	20	162-3800	1.11	1.06	1.00	0.96	0.93

Minitek™ Eject Latch Headers
2.00 mm



- These headers securely latch the receptacle in place and also enable simple ejection
- Four walled shielding protects pins in unmated condition
- The eject latch header is equipped with polarization keys to prevent mismatching
- Recessed pins ensure proper alignment, eliminate damage during mating and maintain high pin retention to the housing during repeated mating cycles



- The latches are specifically designed to minimise space requirements on the PCB
- Headers mate with the Minitek™ 2.00mm IDS receptacles (89361 series)

Housing Material	Contact Material	Contact Plating	Withstanding Voltage	Current Rating	Operating Temperature
Thermoplastic	Phosphor Bronze	0.76 μm (30 μ") Selective Gold	650V	2A	-40°C to 125°C

519375

Mfrs. List No.	No. of Ways	Order Code	5+	50+	100+	250+	500+
10078991-G22-06ULF	6	162-3808	2.90	2.76	2.59	2.50	2.41
10078991-G22-08ULF	8	162-3809	3.01	2.89	2.71	2.61	2.51
10078991-G22-10ULF	10	162-3810	3.16	3.03	2.85	2.73	2.64
10078991-G22-12ULF	12	162-3811	3.25	3.11	2.93	2.82	2.71

Minitek™ Active Latch Housings
2.00 mm



- The latch ensures a secure connection in applications with high extraction forces or vibration.
- Latch retention force is 15N min. for 6 and 8 way housings and 25N min. for 10 way and above.
- Unlike other systems on the market, the active latch housing mates with the standard headers from the Minitek™ system. This ensures full modularity and interchangeability throughout the system.



● The active latch housing is made with high temperature black plastic material which is able to withstand temperature up to 125°C.

- Mating Data: Minitek™ Shrouded Headers (98424 series).
- Terminals: Minitek™ Crimp-to-Wire Contacts (77138 series).

Housing Material	Resistance (Insulation)	Withstanding Voltage	No. of Mating Cycles	Current Rating	Operating Temperature
Thermoplastic	1000Mohm	650V	50	2A	-55°C to 125°C

519260

Mfrs. List No.	No. of Ways	Order Code	5+	50+	100+	250+	500+
10073599-006LF	6	162-3802	0.34	0.33	0.31	0.30	0.29
10073599-008LF	8	162-3803	0.34	0.33	0.31	0.30	0.29
10073599-010LF	10	162-3804	0.30	0.29	0.27	0.26	0.25
10073599-012LF	12	162-3805	0.34	0.33	0.31	0.30	0.29
10073599-016LF	16	162-3806	0.42	0.41	0.37	0.36	0.35
10073599-020LF	20	162-3807	0.49	0.48	0.43	0.42	0.41

CT (Common Termination) Connector System



- 2 piece connector system - header and socket
 - 2mm pitch
 - Vertical and right angle headers
- Temperature: -30°C to +105°C
Flammability: UL94V-0
Contacts: Tin Plated Brass

Voltage Rating	125V ac/dc
Current Rating	Up to 4A

450330

Electronics Design World

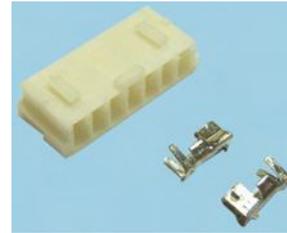
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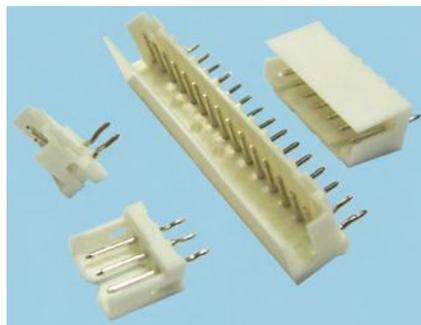
CT (Common Termination) Connector System
Crimp Receptacles



450348

Order Multiple=10	No. of Ways	Mfrs. List No.	Order Code	10+	100+	250+	500+	1K+
Receptacle Housings								
2	179228-2	128-3016	0.110	0.100	0.096	0.090	0.084	
3	179228-3	128-3018	0.136	0.123	0.118	0.111	0.104	
4	179228-4	128-3019	0.139	0.125	0.119	0.112	0.105	
5	179228-5	128-3020	0.161	0.146	0.140	0.131	0.121	
6	179228-6	128-3021	0.190	0.171	0.164	0.153	0.144	
7	179228-7	128-3022	0.152	0.137	0.131	0.122	0.115	
8	179228-8	128-3023	0.220	0.200	0.191	0.177	0.167	
9	179228-9	128-3024	0.180	0.163	0.157	0.148	0.138	
10	1-179228-0	128-3025	0.290	0.260	0.240	0.220	0.200	
11	1-179228-1	128-3026	0.300	0.270	0.260	0.220	0.210	
12	1-179228-2	128-3027	0.310	0.280	0.270	0.240	0.220	
14	1-179228-4	128-3031	0.220	0.200	0.196	0.180	0.171	
15	1-179228-5	128-3032	0.330	0.300	0.280	0.270	0.240	
Order Multiple=100				100+	1K+			
Receptacle Contacts								
30-26AWG	179609-1	128-3033	0.182	0.171				
26-22AWG	179518-1	128-3034	0.210	0.194				
Order Multiple=1				1+				
Hand Tool								
	91572-1	128-3035	414.080					

CT (Common Termination) Connector System
Through Hole



450338

Order Multiple=10	No. of Ways	Mfrs. List No.	Order Code	10+	100+	250+	500+	1K+
Right Angle, Standard Pin Headers								
2	292253-2	128-2935	0.153	0.139	0.132	0.123	0.115	
3	292253-3	128-2936	0.175	0.159	0.151	0.142	0.133	
4	292253-4	128-2937	0.220	0.200	0.199	0.185	0.173	
5	292253-5	128-2938	0.171	0.156	0.149	0.140	0.132	
6	292253-6	128-2939	0.270	0.240	0.220	0.210	0.198	
7	292253-7	128-2940	0.280	0.240	0.220	0.210	0.200	
8	292253-8	128-2941	0.200	0.188	0.180	0.171	0.156	
9	292253-9	128-2942	0.210	0.200	0.196	0.180	0.171	
10	1-292253-0	128-2944	0.320	0.300	0.290	0.270	0.260	
12	1-292253-2	128-2946	0.270	0.260	0.240	0.220	0.210	
15	1-292253-5	128-2949	0.390	0.360	0.340	0.320	0.310	
Vertical Mount, Standard Pin Headers								
2	292161-2	128-2950	0.133	0.119	0.114	0.107	0.101	
3	292161-3	128-2951	0.145	0.131	0.124	0.116	0.109	
4	292161-4	128-2952	0.159	0.144	0.138	0.129	0.119	
5	292161-5	128-2953	0.177	0.161	0.154	0.145	0.136	
6	292161-6	128-2954	0.200	0.186	0.177	0.167	0.156	
7	292161-7	128-2956	0.163	0.153	0.146	0.137	0.129	
8	292161-8	128-2957	0.240	0.210	0.200	0.192	0.180	
9	292161-9	128-2958	0.270	0.240	0.220	0.200	0.196	
10	1-292161-0	128-2959	0.290	0.260	0.240	0.220	0.200	
11	1-292161-1	128-2960	0.300	0.270	0.260	0.220	0.210	
12	1-292161-2	128-2961	0.240	0.210	0.200	0.196	0.171	
13	1-292161-3	128-2962	0.320	0.290	0.280	0.270	0.240	
14	1-292161-4	128-2963	0.270	0.250	0.240	0.220	0.200	
15	1-292161-5	128-2964	0.370	0.330	0.320	0.300	0.290	
Right Angle, Box Type Pin Headers								
2	292250-2	128-2965	0.167	0.151	0.145	0.136	0.126	
3	292250-3	128-2966	0.181	0.164	0.156	0.147	0.138	
4	292250-4	128-2968	0.199	0.178	0.171	0.160	0.150	
5	292250-5	128-2969	0.210	0.190	0.181	0.169	0.159	
6	292250-6	128-2970	0.200	0.186	0.177	0.167	0.156	

2.0mm Pitch Connectors - continued

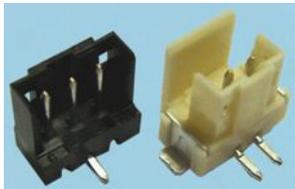
CT (Common Termination) Connector System - continued

Through Hole - continued

Order Multiple=10		Price Each					
No. of Ways	Mfrs. List No.	Order Code	10+	100+	250+	500+	1K+
Right Angle, Box Type Pin Headers							
7	292250-7	128-2971	0.164	0.148	0.141	0.133	0.123
8	292250-8	128-2972	0.270	0.220	0.210	0.200	0.191
10	1-292250-0	128-2974	0.260	0.220	0.200	0.196	0.188
12	1-292250-2	128-2976	0.370	0.320	0.310	0.290	0.270
14	1-292250-4	128-2978	0.320	0.290	0.280	0.260	0.250
15	1-292250-5	128-2981	0.440	0.400	0.390	0.360	0.340
Vertical Mount, Box Type Pin Headers							
2	292132-2	128-2982	0.169	0.153	0.147	0.138	0.129
3	292132-3	128-2983	0.131	0.117	0.112	0.105	0.099
4	292132-4	128-2984	0.220	0.200	0.199	0.185	0.173
5	292132-5	128-2985	0.270	0.240	0.220	0.200	0.196
7	292132-7	128-2987	0.200	0.176	0.169	0.161	0.151
8	292132-8	128-2988	0.220	0.210	0.200	0.180	0.171
9	292132-9	128-2989	0.320	0.290	0.280	0.270	0.240
10	1-292132-0	128-2990	0.340	0.310	0.290	0.280	0.260
11	1-292132-1	128-2991	0.350	0.320	0.300	0.280	0.270
12	1-292132-2	128-2993	0.360	0.330	0.310	0.290	0.280
14	1-292132-4	128-2995	0.340	0.310	0.290	0.280	0.260
15	1-292132-5	128-2996	0.320	0.290	0.280	0.260	0.250

CT (Common Termination) Connector System

SMT

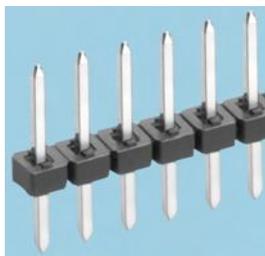


450347

Order Multiple=10		Price Each					
No. of Ways	Mfrs. List No.	Order Code	10+	100+	250+	500+	1K+
Vertical Mount, Standard Pin Headers							
2	292171-2	128-2997	0.200	0.182	0.173	0.163	0.152
4	292171-4	128-2999	0.310	0.280	0.270	0.240	0.220
5	292171-5	128-3000	0.380	0.340	0.330	0.310	0.290
6	292171-6	128-3001	0.450	0.400	0.390	0.370	0.340
7	292171-7	128-3002	0.520	0.470	0.450	0.420	0.400
9	292171-9	128-3004	0.620	0.570	0.550	0.520	0.470
Vertical Mount, Box Type Pin Headers							
2	292174-2	128-3006	0.280	0.260	0.240	0.220	0.200
3	292174-3	128-3007	0.290	0.270	0.240	0.220	0.210
4	292174-4	128-3008	0.330	0.300	0.290	0.270	0.260
5	292174-5	128-3010	0.300	0.270	0.260	0.240	0.220
6	292174-6	128-3011	0.390	0.320	0.310	0.290	0.270
8	292174-8	128-3013	0.470	0.430	0.410	0.380	0.360
9	292174-9	128-3014	0.640	0.590	0.560	0.520	0.480

15

Pin Headers, Through Hole / SMT
2.0 mm Grid, Snap-Off



- Easy snap-off design for required length
- 0.5 mm gold-plated square pins
- 2.0 mm grid
- Straight and 90° versions
- Single or dual row versions
- Solder mounting - Reflow solder compatible

Dimensions: A = Overall Height, B = Board Pin length, C = Mating Pin length

Mfrs. list no.	No. of ways	Contact-plating	Dimensions			order code
			A	B	C	
Vertical, Single Row						
SLY1.085.50G	50	Gold	8,5	3	4	972-9135
Vertical, Double Row						
SLY.2.085.100G	50+50	Gold	8,5	3	4	972-9143
90°C, Single Row						
SLY.3.035.50G	50	Gold	1,5	2,8	3,5	972-9151

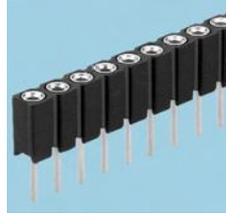
Rated Current: 3A Working Temperature: -40°C to +163°C (+260°C 1min.)
 Rated Voltage: 100V DC Material, Isolator: PA 4.6, GF
 Contact Resistance: <5mΩ Flammability: UL94V-0
 Test Voltage: 500V Material, Contacts: Copper / Tin
 Isolation Resistance: >10¹²Ω Plating, Contact: 0,2µm Gold

414105

Mfrs. List No.	No. of Ways	Order Code	Price Each			
			1+	10+	100+	250+
Single Row, Vertical						
SLY1.085.50G	50	972-9135	1.60	1.43	1.29	1.16
Double Row, Vertical						
SLY.2.085.100G	50+50	972-9143	3.22	2.87	2.58	2.35
Single Row, 90°						
SLY.3.035.50G	50	972-9151	2.14	1.89	1.71	1.54

Sockets, Tin Plated

Straight, for 0.5 mm Square Pins and 0.56 Round Pins



- Separable precision socket strips with galvanized contact sleeve and gold-plated inner spring
- No capillary effect during soldering because the inner contact is protected
- 2.0 mm grid
- Single or dual row versions
- Straight versions
- Solder mounting - reflow solder compatible

Rated Current: 2.5A Working Temperature: -40°C to +163°C (+260°C 1min.)
 Rated Voltage: 100V DC Material, Isolator: PA 4.6, GF
 Contact Resistance: <10mΩ Flammability: UL94V-0
 Test Voltage: 500V Material, Contacts: Copper / Tin (shell)/CuBe (spring)
 Isolation Resistance: >10¹²Ω Plating, Contacts: shell tinned - spring gold plated

414081

Mfrs. List No.	No. of Ways	Order Code	Price Each			
			1+	10+	100+	250+
Single Row						
BLY1.50Z	50	972-8937	4.93	4.39	3.96	3.59
Double Row						
BLY2.100Z	50+50	972-8945	9.86	8.76	7.89	7.18

PH Series Connector

Pitch 2.0mm.



- Contact dimpled to ensure good connection and low contact resistance
- Compatible with KR IDC connectors
- Narrow, Low profile
- SMT configuration available
- Fully shrouded header
- Approvals: CSA, UL recognised

Current rating 2A Isolation resistance 1000Mohm min.
 Voltage nom 100V AC/DC Contact Material Phosphor Bronze
 Temperature range -25°C à +85 Housing Nylon 66 blanc
 Contact resistance 10mohm Flammability rating UL94V-0

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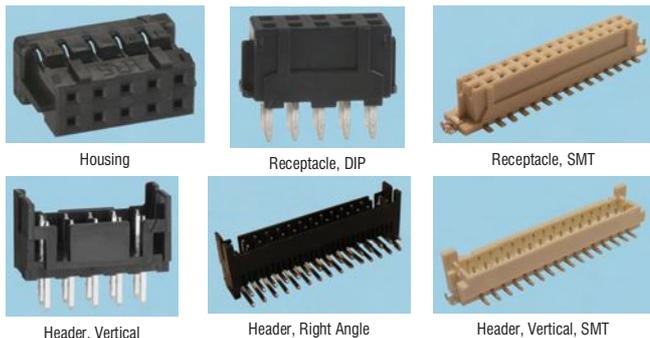
Order Multiple=10		Price Each			
No. of Ways	Mfrs. List No.	Order Code	10+	100+	250+
Housing					
2	PHR-2	361-6186	0.036	0.028	0.022
3	PHR-3	361-6198	0.039	0.028	0.022
4	PHR-4	361-6204	0.047	0.036	0.027
5	PHR-5	361-6216	0.053	0.037	0.029
6	PHR-6	361-6228	0.057	0.041	0.031
7	PHR-7	361-6230	0.073	0.052	0.040
8	PHR-8	361-6241	0.077	0.054	0.041
9	PHR-9	361-6253	0.045	0.035	0.028
10	PHR-10	361-6265	0.075	0.060	0.050
11	PHR-11	361-6277	0.080	0.062	0.053
12	PHR-12	361-6289	0.161	0.115	0.088
Order Multiple=100					
Contact - loose piece			100+	250+	500+
0.05 to 0.22mm ²	BPH-002T-P0.5S	361-7210	0.030	0.024	0.020
Order Multiple=100					
Contact - reeled piece			100+	8K+	
0.05 to 0.22mm ²	SPH-002T-P0.5S	167-1245	0.044	0.027	
Order Multiple=10					
Top Entry Header					
2	B2B-PH-K-S(LF)(SN)	949-1856	0.074	0.057	0.043
3	B3B-PH-K-S(LF)(SN)	949-2429	0.101	0.078	0.061
4	B4B-PH-K-S(LF)(SN)	949-2437	0.130	0.097	0.074
5	B5B-PH-K-S(LF)(SN)	949-2445	0.193	0.154	0.129
6	B6B-PH-K-S(LF)(SN)	949-2453	0.190	0.146	0.112
7	B7B-PH-K-S(LF)(SN)	949-1864	0.152	0.118	0.101
8	B8B-PH-K-S(LF)(SN)	949-2461	0.270	0.190	0.145
9	B9B-PH-K-S(LF)(SN)	949-1872	0.166	0.137	0.113



Order Multiple = 10		10+	100+	250+	
Top Entry Header					
10	B10B-PH-K-S(LF)(SN)	949-1880●	0.360	0.290	0.240
11	B11B-PH-K-S(LF)(SN)	949-1899●	0.380	0.320	0.270
12	B12B-PH-K-S(LF)(SN)	949-2470●	0.270	0.220	0.190
Side Entry Header					
2	S2B-PH-K-S (LF)(SN)	949-1902●	0.115	0.091	0.077
3	S3B-PH-K-S (LF)(SN)	949-1910●	0.136	0.108	0.091
4	S4B-PH-K-S (LF)(SN)	949-2488●	0.162	0.128	0.109
5	S5B-PH-K-S (LF)(SN)	949-2496●	0.193	0.154	0.129
6	S6B-PH-K-S (LF)(SN)	949-2500●	0.220	0.180	0.154
7	S7B-PH-K-S (LF)(SN)	949-2518●	0.187	0.146	0.125
8	S8B-PH-K-S (LF)(SN)	949-2526●	0.187	0.148	0.122
SMT Header Top Entry					
2	B2B-PH-SM4-TB(LF)(SN)	949-2534●	0.360	0.290	0.240
3	B3B-PH-SM4-TB(LF)(SN)	949-2542●	0.380	0.320	0.270
4	B4B-PH-SM4-TB(LF)(SN)	949-1929●	0.490	0.380	0.340
5	B5B-PH-SM4-TB(LF)(SN)	949-1937●	0.540	0.440	0.370
6	B6B-PH-SM4-TB(LF)(SN)	949-1945●	0.560	0.450	0.380
7	B7B-PH-SM4-TB(LF)(SN)	949-2550●	0.650	0.520	0.450
8	B8B-PH-SM4-TB(LF)(SN)	949-2569●	0.700	0.540	0.470
10	B10B-PH-SM4-TB(LF)(SN)	949-2585●	0.890	0.720	0.590
12	B12B-PH-SM4-TB(LF)(SN)	949-2607●	0.780	0.630	0.540
SMT Header Side Entry					
2	S2B-PH-SM4-TB(LF)(SN)	949-2615●	0.360	0.290	0.240
3	S3B-PH-SM4-TB(LF)(SN)	949-2623●	0.390	0.330	0.280
4	S4B-PH-SM4-TB(LF)(SN)	949-2631●	0.500	0.390	0.350
5	S5B-PH-SM4-TB(LF)(SN)	949-2640●	0.540	0.440	0.370
6	S6B-PH-SM4-TB(LF)(SN)	949-2658●	0.580	0.460	0.390
7	S7B-PH-SM4-TB(LF)(SN)	949-2666●	0.520	0.410	0.360
8	S8B-PH-SM4-TB(LF)(SN)	949-2674●	0.700	0.540	0.470
9	S9B-PH-SM4-TB(LF)(SN)	949-2682●	0.740	0.580	0.510
10	S10B-PH-SM4-TB(LF)(SN)	949-2690●	0.890	0.720	0.590
Order Multiple = 1					
Crimp Tool	WC-240	361-7270	245.280	240.380	235.560
Extraction Tool	EJ-PH	361-7282	21.780	21.360	20.910

No. of	Price Each						
Receptacles, DIP							
16	DF11-16DS-2DSA(05)	168-8323●	0.770	0.680	0.630	0.590	0.550
18	DF11-18DS-2DSA(05)	168-8324●	0.820	0.720	0.670	0.630	0.590
20	DF11-20DS-2DSA(05)	168-8325●	0.900	0.790	0.730	0.690	0.640
22	DF11-22DS-2DSA(05)	168-8326●	0.950	0.830	0.770	0.720	0.680
24	DF11-24DS-2DSA(05)	168-8328●	1.000	0.880	0.810	0.760	0.710
26	DF11-26DS-2DSA(05)	168-8329●	1.050	0.920	0.850	0.800	0.750
28	DF11-28DS-2DSA(05)	168-8330●	1.100	0.960	0.890	0.840	0.780
30	DF11-30DS-2DSA(05)	168-8331●	1.150	1.010	0.930	0.880	0.820
32	DF11-32DS-2DSA(05)	168-8332●	1.200	1.050	0.970	0.920	0.860
Receptacles, SMT							
4	DF11CZ-4DS-2V(22)	168-8333●	0.650	0.570	0.530	0.500	0.470
6	DF11CZ-6DS-2V(22)	168-8334●	0.700	0.610	0.570	0.540	0.500
8	DF11CZ-8DS-2V(22)	168-8335●	0.750	0.660	0.610	0.580	0.540
10	DF11CZ-10DS-2V(22)	168-8336●	0.810	0.710	0.650	0.620	0.580
20	DF11CZ-20DS-2V(22)	168-8337●	1.090	0.950	0.880	0.830	0.780
30	DF11CZ-30DS-2V(22)	168-8338●	1.340	1.170	1.080	1.020	0.950
40	DF11CZ-40DS-2V(22)	168-8341●	1.580	1.380	1.280	1.210	1.130
Pin Headers, Vertical							
4	DF11-4DP-2DSA(24)	168-8342●	0.230	0.200	0.180	0.170	0.160
6	DF11-6DP-2DSA(24)	168-8343●	0.260	0.230	0.210	0.200	0.180
8	DF11-8DP-2DSA(24)	168-8344●	0.290	0.250	0.230	0.220	0.200
10	DF11-10DP-2DSA(24)	168-8345●	0.340	0.300	0.280	0.260	0.240
12	DF11-12DP-2DSA(24)	168-8346●	0.370	0.330	0.300	0.280	0.260
14	DF11-14DP-2DSA(24)	168-8347●	0.430	0.380	0.350	0.330	0.310
16	DF11-16DP-2DSA(24)	168-8348●	0.460	0.400	0.370	0.350	0.330
18	DF11-18DP-2DSA(24)	168-8349●	0.490	0.430	0.390	0.370	0.350
20	DF11-20DP-2DSA(24)	168-8350●	0.570	0.500	0.460	0.440	0.410
22	DF11-22DP-2DSA(24)	168-8351●	0.600	0.530	0.480	0.460	0.430
24	DF11-24DP-2DSA(24)	168-8353●	0.630	0.550	0.510	0.480	0.450
26	DF11-26DP-2DSA(24)	168-8354●	0.690	0.600	0.550	0.520	0.490
28	DF11-28DP-2DSA(24)	168-8355●	0.710	0.630	0.580	0.550	0.510
30	DF11-30DP-2DSA(24)	168-8356●	0.740	0.650	0.600	0.570	0.530
32	DF11-32DP-2DSA(24)	168-8357●	0.770	0.680	0.620	0.590	0.550
Pin Headers, Right Angle							
4	DF11-4RP-2DS(24)	168-8358●	0.260	0.230	0.210	0.200	0.180
6	DF11-6RP-2DS(24)	168-8359●	0.310	0.280	0.250	0.240	0.220
8	DF11-8RP-2DS(24)	168-8360●	0.340	0.300	0.280	0.260	0.240
10	DF11-10RP-2DS(24)	168-8361●	0.430	0.380	0.350	0.330	0.310
12	DF11-12RP-2DS(24)	168-8362●	0.490	0.430	0.390	0.370	0.350
14	DF11-14RP-2DS(24)	168-8363●	0.570	0.500	0.460	0.440	0.410
16	DF11-16RP-2DS(24)	168-8365●	0.690	0.600	0.550	0.520	0.490
18	DF11-18RP-2DS(24)	168-8366●	0.690	0.600	0.550	0.520	0.490
20	DF11-20RP-2DS(24)	168-8367●	0.770	0.680	0.620	0.590	0.550
22	DF11-22RP-2DS(24)	168-8368●	0.830	0.730	0.670	0.630	0.590
24	DF11-24RP-2DS(24)	168-8369●	0.940	0.830	0.760	0.720	0.670
26	DF11-26RP-2DS(24)	168-8370●	0.970	0.850	0.780	0.740	0.690
28	DF11-28RP-2DS(24)	168-8371●	1.030	0.900	0.830	0.790	0.730
30	DF11-30RP-2DS(24)	168-8372●	1.090	0.950	0.880	0.830	0.770
32	DF11-32RP-2DS(24)	168-8373●	1.170	1.030	0.950	0.890	0.830
Pin Headers, Vertical, SMT							
4	DF11CZ-4DP-2V(27)	168-8374●	0.760	0.660	0.610	0.580	0.540
6	DF11CZ-6DP-2V(27)	168-8375●	0.820	0.720	0.660	0.630	0.580
8	DF11CZ-8DP-2V(27)	168-8377●	0.880	0.770	0.710	0.670	0.630
10	DF11CZ-10DP-2V(27)	168-8378●	0.950	0.830	0.770	0.730	0.680
12	DF11CZ-12DP-2V(27)	168-8379●	1.000	0.880	0.810	0.770	0.720
14	DF11CZ-14DP-2V(27)	168-8380●	1.080	0.940	0.870	0.820	0.770
16	DF11CZ-16DP-2V(27)	168-8381●	1.120	0.980	0.900	0.850	0.800
18	DF11CZ-18DP-2V(27)	168-8382●	1.200	1.050	0.970	0.910	0.850
20	DF11CZ-20DP-2V(27)	168-8383●	1.240	1.090	1.000	0.950	0.880
22	DF11CZ-22DP-2V(27)	168-8384●	1.300	1.140	1.050	0.990	0.930
24	DF11CZ-24DP-2V(27)	168-8385●	1.370	1.200	1.110	1.050	0.980
26	DF11CZ-26DP-2V(27)	168-8386●	1.430	1.250	1.160	1.090	1.020
28	DF11CZ-28DP-2V(27)	168-8387●	1.500	1.310	1.210	1.150	1.070
30	DF11CZ-30DP-2V(27)	168-8389●	1.540	1.350	1.250	1.180	1.100
32	DF11CZ-32DP-2V(27)	168-8391●	1.610	1.410	1.300	1.230	1.150
40	DF11CZ-40DP-2V(27)	168-8392●	1.750	1.600	1.480	1.400	1.300
Accessories							
Crimping Contact for Socket							
AWG			10+	50+	Price Each 100+	1K+	
24-28	DF11-2428SC	168-8393●	0.150	0.100	0.060	0.040	
Crimp Tool							
AWG			1+	3+	Price Each		
24-28	DF11-TA2428HC	168-8394●	690.000	640.000			
Socket to Socket Wire Assemblies							
Wire Length			10+	50+	Price Each 100+	500+	1K+
150mm	CASS-0836	168-8395●	0.450	0.370	0.300	0.260	0.210
300mm	CASS-0837	168-8396●	0.580	0.480	0.390	0.330	0.270

2mm Double Row Connectors
DF11 Series



- Double rows of 2mm pitch contact condensed within a 5mm width
- Multiple number of signals can be secured in the same space as the conventional 2mm single-row contact
- Applicable wires: 22-30 AWG
- Using the full automatic IDC machine, complicated multi-harness wiring can be easily connected, reducing man-hours and eliminating the manual work process



Applications:- Business equipments such as copy machine, printer and so on.

Specifications:-	Phosphor Copper	Contact Plating	Tin
Contact Material	30mohm	Insulation Resistance	1000Mohm
Contact Resistance	UL94V-0	Operating Temp.	-30°C to 85°C
Flammability Rating	2A (22-26 AWG)	Voltage Rating	30VAC / 42VDC
Current Rating	1A (28 AWG)		
	0.5A (30 AWG)		

526742

No. of Ways	Mftrs. List No.	Order Code	10+	50+	100+	250+	500+
Crimping Socket Housings							
4	DF11-4DS-2C	168-8301●	0.083	0.075	0.069	0.064	0.059
6	DF11-6DS-2C	168-8302●	0.089	0.081	0.074	0.068	0.064
8	DF11-8DS-2C	168-8304●	0.105	0.096	0.088	0.081	0.075
10	DF11-10DS-2C	168-8305●	0.107	0.097	0.089	0.082	0.076
12	DF11-12DS-2C	168-8306●	0.115	0.105	0.096	0.088	0.082
14	DF11-14DS-2C	168-8307●	0.122	0.110	0.101	0.093	0.087
16	DF11-16DS-2C	168-8308●	0.130	0.118	0.109	0.100	0.093
18	DF11-18DS-2C	168-8309●	0.137	0.124	0.114	0.105	0.098
20	DF11-20DS-2C	168-8310●	0.143	0.130	0.119	0.110	0.102
22	DF11-22DS-2C	168-8311●	0.150	0.137	0.125	0.116	0.107
24	DF11-24DS-2C	168-8312●	0.159	0.144	0.132	0.122	0.113
26	DF11-26DS-2C	168-8313●	0.168	0.153	0.140	0.129	0.120
28	DF11-28DS-2C	168-8314●	0.179	0.163	0.149	0.138	0.128
30	DF11-30DS-2C	168-8316●	0.194	0.176	0.161	0.149	0.138
32	DF11-32DS-2C						

2.0mm Pitch Connectors - continued

2.0mm Headers - continued

TMM series - continued

- Pitch Row - 2.0mm
- Mates with Samtec's MMS, SMM, SQT, SQW & TLE series

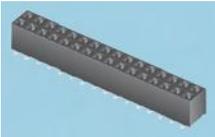
Insulator Material LCP	Contact Material Phosphor Bronze	Contact Plating Gold	Operating Temperature -55°C to 125°C	
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527435

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Through Hole							
TMM-102-01-G-S	2	166-8521	0.18	0.15	0.12	0.09	0.08
TMM-103-01-G-S	3	166-8526	0.27	0.22	0.19	0.14	0.12
TMM-104-01-G-S	4	166-8530	0.36	0.30	0.25	0.19	0.16
TMM-105-01-G-S	5	166-8534	0.45	0.37	0.31	0.23	0.19
TMM-106-01-G-S	6	166-8539	0.54	0.45	0.37	0.28	0.23
TMM-108-01-G-S	8	166-8545	0.72	0.60	0.50	0.37	0.31
TMM-110-01-G-S	10	166-8551	0.90	0.75	0.62	0.47	0.39
TMM-112-01-G-S	12	166-8553	1.09	0.90	0.75	0.56	0.46
TMM-120-01-G-S	20	166-8557	1.81	1.50	1.25	0.94	0.77
Single Row, Surface Mount							
TMM-102-01-G-S-SM	2	166-8522	0.22	0.18	0.15	0.11	0.09
TMM-103-01-G-S-SM	3	166-8527	0.33	0.27	0.22	0.17	0.14
TMM-104-01-G-S-SM	4	166-8531	0.43	0.36	0.30	0.22	0.19
TMM-105-01-G-S-SM	5	166-8536	0.54	0.45	0.37	0.28	0.23
TMM-106-01-G-S-SM	6	166-8540	0.65	0.54	0.45	0.34	0.28
TMM-108-01-G-S-SM	8	166-8546	0.87	0.72	0.60	0.45	0.37
TMM-110-01-G-S-SM	10	166-8552	1.09	0.90	0.75	0.56	0.46
TMM-112-01-G-S-SM	12	166-8554	1.30	1.08	0.90	0.67	0.56
TMM-120-01-G-S-SM	20	166-8558	2.17	1.80	1.50	1.12	0.93
Double Row, Through Hole							
TMM-102-01-G-D	4	166-8519	0.31	0.26	0.21	0.16	0.13
TMM-103-01-G-D	6	166-8524	0.46	0.38	0.32	0.24	0.20
TMM-104-01-G-D	8	166-8528	0.62	0.51	0.43	0.32	0.26
TMM-105-01-G-D	10	166-8532	0.77	0.64	0.53	0.40	0.33
TMM-106-01-G-D	12	166-8537	0.93	0.77	0.64	0.48	0.39
TMM-107-01-G-D	14	166-8541	1.08	0.90	0.75	0.56	0.46
TMM-108-01-G-D	16	166-8543	1.23	1.02	0.85	0.64	0.53
TMM-109-01-G-D	18	166-8548	1.39	1.15	0.96	0.72	0.59
TMM-110-01-G-D	20	166-8550	1.54	1.28	1.06	0.80	0.66
TMM-115-01-G-D	30	166-8555	2.31	1.92	1.60	1.20	0.99
TMM-120-01-G-D	40	166-8556	3.09	2.56	2.14	1.60	1.32
TMM-125-01-G-D	50	166-8561	3.87	3.21	2.67	2.01	1.65
TMM-130-01-G-D	60	166-8562	4.63	3.84	3.20	2.40	1.97
TMM-135-01-G-D	70	166-8563	5.41	4.48	3.73	2.80	2.31
TMM-140-01-G-D	80	166-8564	6.10	5.15	4.24	3.18	2.59
TMM-145-01-G-D	90	166-8565	6.59	5.57	4.58	3.43	2.80
TMM-150-01-G-D	100	166-8566	5.77	3.93	3.27	2.89	2.65
Double Row, Surface Mount							
TMM-102-01-G-D-SM	4	166-8520	0.37	0.31	0.25	0.19	0.16
TMM-103-01-G-D-SM	6	166-8525	0.55	0.46	0.38	0.29	0.24
TMM-104-01-G-D-SM	8	166-8529	0.74	0.61	0.51	0.38	0.32
TMM-105-01-G-D-SM	10	166-8533	0.93	0.77	0.64	0.48	0.39
TMM-106-01-G-D-SM	12	166-8538	1.11	0.92	0.77	0.58	0.47
TMM-107-01-G-D-SM	14	166-8542	1.30	1.07	0.89	0.67	0.55
TMM-108-01-G-D-SM	16	166-8544	1.48	1.23	1.02	0.77	0.63
TMM-109-01-G-D-SM	18	166-8549	1.66	1.38	1.15	0.86	0.71
TMM-150-01-G-D-SM	100	166-8567	6.66	4.72	3.93	3.48	3.13

2.0mm Standard Sockets

TLE series



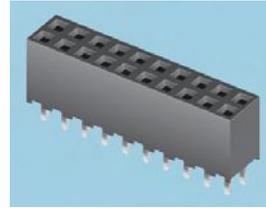
- Tiger Beam™ contacts
- Surface Mount
- Double row
- Profile Height - 4.32mm
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Mates with Samtec's TMM series

Insulator Material LCP	Contact Material Phosphor Bronze	Contact Plating Gold	Operating Temperature -55°C to 125°C	
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527432

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
TLE-102-01-G-DV	4	166-8466	0.79	0.73	0.60	0.45	0.34
TLE-103-01-G-DV	6	166-8467	1.06	0.99	0.81	0.61	0.46
TLE-104-01-G-DV	8	166-8469	1.10	1.02	0.84	0.64	0.48
TLE-105-01-G-DV	10	166-8471	1.28	1.19	0.98	0.74	0.55
TLE-106-01-G-DV	12	166-8472	1.41	1.31	1.08	0.82	0.61
TLE-107-01-G-DV	14	166-8473	1.51	1.41	1.16	0.87	0.66
TLE-108-01-G-DV	16	166-8474	1.65	1.53	1.26	0.95	0.72
TLE-109-01-G-DV	18	166-8475	1.86	1.73	1.42	1.07	0.81
TLE-110-01-G-DV	20	166-8476	1.97	1.83	1.50	1.14	0.85
TLE-115-01-G-DV	30	166-8477	2.95	2.74	2.26	1.71	1.28
TLE-120-01-G-DV	40	166-8478	3.95	3.66	3.02	2.28	1.71
TLE-125-01-G-DV	50	166-8479	4.94	4.59	3.78	2.85	2.14
TLE-130-01-G-DV	60	166-8480	5.91	5.49	4.52	3.41	2.56
TLE-135-01-G-DV	70	166-8482	6.90	6.41	5.28	3.99	2.99
TLE-140-01-G-DV	80	166-8483	7.87	7.31	6.02	4.55	3.41
TLE-145-01-G-DV	90	166-8484	8.86	8.23	6.78	5.12	3.84
TLE-150-01-G-DV	100	166-8485	9.85	9.15	7.54	5.69	4.27
TLE-160-01-G-DV	120	166-8486	8.12	5.83	4.99	4.34	3.97

2.0mm Tiger Buy Sockets
SQW series



- Tiger Buy™ contacts
- Through Hole
- Double Row
- Profile Height - 7.62mm
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Mates with Samtec's TMM series

Insulator Material LCP	Contact Material Phosphor Bronze	Contact Plating Gold	Current Rating	Operating Temperature -55°C to 125°C	
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527406

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
SQW-102-01-L-D	4	166-8187	0.72	0.60	0.50	0.37	0.31
SQW-103-01-L-D	6	166-8188	0.97	0.81	0.67	0.50	0.42
SQW-104-01-L-D	8	166-8189	1.01	0.84	0.70	0.52	0.43
SQW-105-01-L-D	10	166-8190	1.18	0.97	0.81	0.61	0.50
SQW-106-01-L-D	12	166-8191	1.30	1.08	0.90	0.67	0.55
SQW-110-01-L-D	20	166-8192	1.81	1.50	1.25	0.94	0.77
SQW-115-01-L-D	30	166-8193	2.72	2.25	1.87	1.41	1.16
SQW-120-01-L-D	40	166-8194	3.63	3.01	2.50	1.88	1.55
SQW-125-01-L-D	50	166-8196	4.52	3.74	3.12	2.34	1.93
SQW-130-01-L-D	60	166-8197	5.43	4.50	3.75	2.81	2.32
SQW-135-01-L-D	70	166-8198	6.34	5.26	4.38	3.28	2.70
SQW-140-01-L-D	80	166-8199	7.23	5.99	4.99	3.75	3.08
SQW-145-01-L-D	90	166-8200	7.74	6.54	5.39	4.03	3.29
SQW-150-01-L-D	100	166-8202	6.50	4.61	3.84	3.40	3.05

2.0mm Square Tail Sockets
SQT series



Double Row, Vertical



Double Row, Right Angle

- Tiger Buy™ contacts
- Orientation - Vertical or Right Angle
- Single or Double row
- Profile Height - 6.35mm
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Pin Length - 2.29mm
- Durability - 100 cycles
- Mates with Samtec's TMM series

Insulator Material LCP	Contact Material Phosphor Bronze	Contact Plating Gold	Voltage Rating 450VAC	Operating Temperature -55°C to 125°C	
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527404

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Vertical							
SQT-102-01-L-S	2	166-8149	0.58	0.54	0.45	0.34	0.25
SQT-104-01-L-S	4	166-8155	0.82	0.76	0.63	0.47	0.35
SQT-105-01-L-S	5	166-8161	0.95	0.88	0.72	0.55	0.41
SQT-106-01-L-S	6	166-8163	1.05	0.98	0.80	0.61	0.46
SQT-108-01-L-S	8	166-8165	1.22	1.14	0.94	0.71	0.53
SQT-110-01-L-S	10	166-8169	1.46	1.35	1.11	0.84	0.63
Single Row, Right Angle							
SQT-102-01-L-S-RA	2	166-8150	0.64	0.59	0.49	0.37	0.28
SQT-104-01-L-S-RA	4	166-8156	0.90	0.84	0.69	0.52	0.39
SQT-105-01-L-S-RA	5	166-8162	1.04	0.97	0.80	0.60	0.45
SQT-106-01-L-S-RA	6	166-8164	1.15	1.07	0.88	0.67	0.50
SQT-108-01-L-S-RA	8	166-8166	1.35	1.25	1.03	0.78	0.58
SQT-110-01-L-S-RA	10	166-8170	1.61	1.49	1.23	0.93	0.70
Double Row, Vertical							
SQT-102-01-L-D	4	166-8147	0.99	0.92	0.76	0.57	0.43
SQT-103-01-L-D	6	166-8151	1.34	1.25	1.03	0.78	0.58
SQT-104-01-L-D	8	166-8153	1.39	1.29	1.07	0.80	0.60
SQT-105-01-L-D	10	166-8157	1.62	1.50	1.24	0.93	0.70
SQT-110-01-L-D	20	166-8167	2.51	2.33	1.92	1.45	1.09
SQT-115-01-L-D	30	166-8172	3.75	3.48	2.87	2.17	1.62
SQT-120-01-L-D	40	166-8174	4.99	4.63	3.82	2.88	2.16
SQT-125-01-L-D	50	166-8176	6.23	5.78	4.76	3.60	2.70
SQT-130-01-L-D	60	166-8178	7.47	6.94	5.71	4.32	3.24
SQT-135-01-L-D	70	166-8180	8.71	8.09	6.66	5.03	3.78
SQT-140-01-L-D	80	166-8182	9.95	9.24	7.61	5.75	4.31
SQT-150-01-L-D	100	166-8185	8.34	6.06	5.08	4.48	4.10
Double Row, Right Angle							
SQT-102-01-L-D-RA	4	166-8148	1.09	1.02	0.84	0.63	0.47
SQT-103-01-L-D-RA	6						

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
SQT-125-01-L-D-RA	50	166-8177●	6.85	6.36	5.24	3.96	2.97
SQT-130-01-L-D-RA	60	166-8179●	8.22	7.63	6.28	4.75	3.56
SQT-135-01-L-D-RA	70	166-8181●	9.58	8.90	7.33	5.54	4.15
SQT-140-01-L-D-RA	80	166-8184●	10.75	9.08	7.48	5.60	4.57
SQT-150-01-L-D-RA	100	166-8186●	9.19	6.67	5.59	4.93	4.51

2.0mm High Rel Sockets

SMM series



Single Row



Double Row

- High reliability Tiger Eye™ contacts
- Single or double row available
- Surface Mount
- Profile Height - 3.56mm
- Pitch - 2.0mm
- Pitch Row - 2.0mm
- Mates with Samtec's TMM series

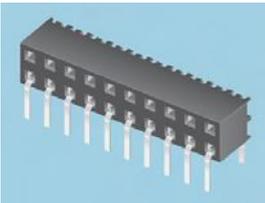
Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Beryllium Copper	Gold	3A	-55°C to 125°C

527398

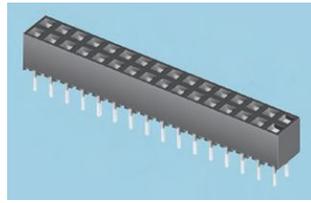
Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row							
SMM-102-02-S-S	2	166-8117●	0.78	0.65	0.54	0.41	0.33
SMM-104-02-S-S	4	166-8119●	1.14	0.95	0.79	0.59	0.49
SMM-106-02-S-S	6	166-8123●	1.50	1.24	1.03	0.78	0.64
SMM-108-02-S-S	8	166-8125●	1.71	1.42	1.18	0.89	0.73
SMM-110-02-S-S	10	166-8127●	1.78	1.48	1.23	0.92	0.76
SMM-112-02-S-S	12	166-8128●	2.14	1.78	1.48	1.11	0.91
Double Row							
SMM-102-02-S-D	4	166-8116●	1.34	1.11	0.92	0.69	0.57
SMM-104-02-S-D	8	166-8118●	1.95	1.62	1.35	1.01	0.83
SMM-105-02-S-D	10	166-8120●	2.29	1.90	1.58	1.19	0.98
SMM-106-02-S-D	12	166-8121●	2.56	2.12	1.77	1.33	1.09
SMM-108-02-S-D	16	166-8124●	2.94	2.43	2.03	1.52	1.25
SMM-110-02-S-D	20	166-8126●	3.05	2.53	2.11	1.58	1.30
SMM-115-02-S-D	30	166-8129●	4.59	3.80	3.17	2.37	1.96
SMM-120-02-S-D	40	166-8130●	6.10	5.05	4.21	3.16	2.60
SMM-125-02-S-D	50	166-8131●	7.64	6.33	5.27	3.95	3.26
SMM-130-02-S-D	60	166-8132●	9.15	7.58	6.32	4.74	3.90
SMM-135-02-S-D	70	166-8133●	11.39	9.63	7.93	5.94	4.84
SMM-140-02-S-D	80	166-8135●	9.14	6.63	5.56	4.90	4.48

2.0mm Box Sockets

MMS series



Horizontal Entry



Vertical Entry

- Horizontal and Vertical entry options available
- Double row
- Pitch - 2.0mm
- Pitch row - 2.0mm
- Mates with S amtec's TMM series

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	2A	-55°C to 125°C

527346

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Horizontal Entry							
MMS-105-01-L-DH	10	166-7852●	4.95	4.19	3.45	2.58	2.11
MMS-110-01-L-DH	20	166-7855●	6.01	5.08	4.18	3.13	2.55
MMS-115-01-L-DH	30	166-7857●	7.07	5.97	4.92	3.68	3.00
MMS-120-01-L-DH	40	166-7859●	8.12	6.86	5.65	4.23	3.45
MMS-125-01-L-DH	50	166-7861●	9.17	7.75	6.39	4.78	3.90
MMS-130-01-L-DH	60	166-7863●	10.23	8.64	7.12	5.33	4.35
MMS-135-01-L-DH	70	166-7866●	11.29	9.54	7.85	5.88	4.80
MMS-140-01-L-DH	80	166-7868●	9.04	6.56	5.50	4.85	4.44
Vertical Entry							
MMS-105-01-L-DV	10	166-7854●	3.46	2.93	2.41	1.80	1.47
MMS-110-01-L-DV	20	166-7856●	4.23	3.58	2.95	2.21	1.80
MMS-115-01-L-DV	30	166-7858●	5.00	4.23	3.49	2.61	2.13
MMS-120-01-L-DV	40	166-7860●	5.78	4.89	4.02	3.01	2.46
MMS-125-01-L-DV	50	166-7862●	6.55	5.54	4.56	3.42	2.79
MMS-130-01-L-DV	60	166-7864●	7.33	6.20	5.10	3.82	3.12
MMS-135-01-L-DV	70	166-7867●	8.10	6.85	5.64	4.22	3.44
MMS-140-01-L-DV	80	166-7869●	6.94	4.91	4.09	3.62	3.25



2.0mm Low Profile Sockets

CLT series



- Profile Height - 2.21mm
- Comes with Samtec's Tiger Claw™ contact
- Surface Mount and Through Hole versions available
- Double row
- Pitch - 2.0mm
- Pitch row - 2.0mm
- Durability - 100 cycles
- Mates with Samtec's TMM series

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	2A	-55°C to +125°C

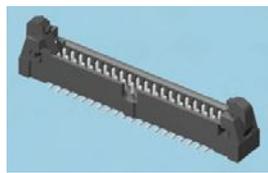
527236



Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Through Hole Sockets							
CLT-105-01-L-D	10	166-7570●	1.45	1.35	1.11	0.84	0.63
CLT-110-01-L-D	20	166-7572●	2.24	2.08	1.71	1.29	0.97
CLT-115-01-L-D	30	166-7575●	3.38	3.14	2.58	1.95	1.46
CLT-120-01-L-D	40	166-7576●	4.49	4.17	3.44	2.60	1.95
CLT-125-01-L-D	50	166-7578●	5.61	5.21	4.29	3.24	2.43
CLT-130-01-L-D	60	166-7582●	6.73	6.25	5.14	3.89	2.91
CLT-135-01-L-D	70	166-7584●	7.84	7.28	6.00	4.53	3.40
CLT-140-01-L-D	80	166-7586●	8.96	8.32	6.85	5.18	3.88
CLT-145-01-L-D	90	166-7588●	8.57	7.25	5.97	4.47	3.65
CLT-150-01-L-D	100	166-7590●	7.21	4.97	4.26	3.70	3.39
Surface Mount Sockets							
CLT-105-02-L-D	10	SMD-166-7571●	1.45	1.35	1.11	0.84	0.63
CLT-110-02-L-D	20	SMD-166-7573●	2.24	2.08	1.71	1.29	0.97
CLT-114-02-L-D	28	SMD-166-7574●	3.15	2.93	2.41	1.82	1.37
CLT-120-02-L-D	40	SMD-166-7577●	4.49	4.17	3.44	2.60	1.95
CLT-125-02-L-D	50	SMD-166-7581●	5.61	5.21	4.29	3.24	2.43
CLT-130-02-L-D	60	SMD-166-7583●	6.73	6.25	5.14	3.89	2.91
CLT-135-02-L-D	70	SMD-166-7585●	7.84	7.28	6.00	4.53	3.40
CLT-140-02-L-D	80	SMD-166-7587●	7.95	6.71	5.53	4.14	3.38
CLT-145-02-L-D	90	SMD-166-7589●	8.57	7.25	5.97	4.47	3.65
CLT-150-02-L-D	100	SMD-166-7591●	7.21	4.97	4.26	3.70	3.39

2.0mm Ejector Headers

EHT series



- Ejector latches
- Through Hole, Right Angle and Surface Mount options available
- Double row
- Pitch - 2.00mm
- Pitch row - 2.00mm

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	3A	-55°C to 125°C

527244



Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Through Hole							
EHT-105-01-S-D	10	166-7619●	3.97	2.70	2.22	1.87	1.75
EHT-110-01-S-D	20	166-7623●	4.41	3.04	2.48	2.12	1.98
EHT-120-01-S-D	40	166-7626●	7.39	5.09	4.36	3.79	3.47
EHT-125-01-S-D	50	166-7629●	8.67	6.29	5.27	4.65	4.26
Right Angle							
EHT-105-01-S-D-RA	10	166-7620●	4.20	2.90	2.36	2.02	1.89
EHT-110-01-S-D-RA	20	166-7624●	4.67	3.26	2.70	2.34	2.14
EHT-120-01-S-D-RA	40	166-7627●	7.80	5.61	4.81	4.17	3.82
EHT-125-01-S-D-RA	50	166-7630●	9.53	6.92	5.80	5.12	4.68
Surface Mount							
EHT-105-01-S-D-SM-LC	10	SMD-166-7621●	5.13	3.58	2.96	2.57	2.35
EHT-110-01-S-D-SM-LC	20	SMD-166-7625●	5.87	3.99	3.33	2.94	2.69
EHT-120-01-S-D-SM-LC	40	SMD-166-7628●	9.33	6.78	5.68	5.01	4.58
EHT-125-01-S-D-SM-LC	50	SMD-166-7631●	11.33	8.41	7.05	6.22	5.69

2.0mm Datamate



- Suitable for board and board to wire applications
- Single or dual row
- Fully shrouded contacts
- Four leaf beryllium copper contact suitable for high speed data transmission
- Latches available
- Conforms to requirements of BS9525-F0033
- Polarised mouldings
- Retaining straps eliminate strain on PC solder joints
- Professional connector system at commercial prices
- Suited for use in environments where high vibration, shock and extremes of temperature are a consideration

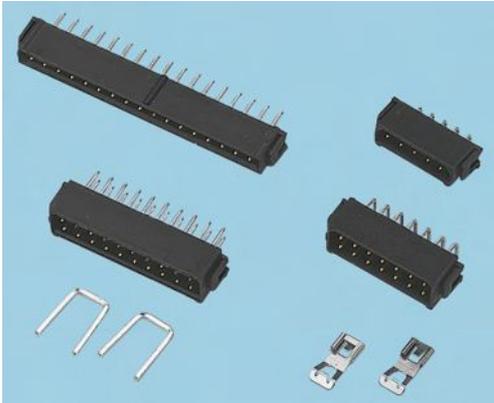
Contact rating	3.3A @ 25°C
Working voltage	120V dc/ac peak
Contact resistance	25mΩ max
Insulation resistance	100mΩ max @ 500V dc
Proof voltage	360V dc/ac peak
Housing	Glass Filled Thermoplastic UL94V-0
Contacts,	female Brass shell with beryllium copper inner contact

2.0mm Datamate - continued

Plating male Phosphor Bronze
Gold
Mating Gold
500 cycles
Crimp barrel size 0.723-0321mm 22-28AWG

210039

PC Plugs



Manufactures list numbers. Where xx = number of ways

SIL Straight M80-852xx42
DIL Straight M80-854xx42
SIL Right angled M80-878xx22

DIL Right angled Latches M80-841xx42 M80F001S

210040

Order Multiple=2 No. of Ways	Order Code	2+	10+	50+	100+	250+
SIL Straight						
2	978-9600●	0.61	0.50	0.43	0.42	0.41
3	978-9618●	0.80	0.62	0.57	0.56	0.54
4	978-9626●	0.87	0.68	0.62	0.60	0.59
5	978-9634●	0.94	0.77	0.68	0.65	0.64
6	978-9642●	1.02	0.83	0.73	0.71	0.69
7	978-9650●	1.10	0.89	0.82	0.78	0.76
17	978-9669●	2.16	1.73	1.57	1.52	1.48
DIL Straight						
4+4	978-9677●	1.69	1.35	1.24	1.19	1.15
5+5	978-9685●	1.49	1.19	1.09	1.04	1.02
6+6	978-9693●	1.64	1.31	1.19	1.15	1.12
7+7	978-9251●	2.24	1.82	1.65	1.58	1.54
8+8	978-9278●	2.70	2.17	1.98	1.90	1.86
9+9	978-9286●	2.16	1.73	1.59	1.52	1.47
10+10	978-9707●	3.09	2.50	2.26	2.18	2.13
SIL Right Angled						
2	978-9715●	1.19	0.93	0.86	0.83	0.82
3	978-9294●	1.27	1.01	0.91	0.89	0.87
4	978-9316●	1.34	1.07	0.97	0.94	0.92
5	978-9324●	1.42	1.15	1.03	1.01	0.97
6	978-9340●	1.51	1.22	1.09	1.05	1.02
7	978-9359●	1.58	1.29	1.18	1.12	1.08
17	978-9367●	2.65	2.14	1.94	1.88	1.84
DIL Right Angled						
4+4	978-9375●	2.68	2.17	1.96	1.90	1.86
5+5	978-9391●	2.90	2.34	2.13	2.03	1.98
6+6	978-9405●	3.11	2.51	2.28	2.20	2.15
7+7	978-9421●	3.35	2.68	2.44	2.35	2.28
8+8	978-9430●	3.87	3.09	2.82	2.73	2.65
10+10	978-9448●	4.28	3.46	3.14	3.02	2.94
Latches	495-360●	1.10	0.89	0.82	0.78	0.77

Plugs, 3mm PC Tail
With Jackscrews



Manufactures list numbers. Where xx = number of ways

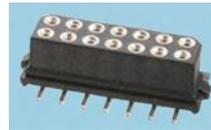
DIL Vertical, with Jackscrews M80-500xx42
DIL Right Angle, with Jackscrews M80-530xx42

528957

No. of Ways	Order Code	1+	10+	50+	100+
DIL Vertical - with Jackscrews					
3+3	114-4559●	4.43	3.94	3.54	3.21
5+5	114-4561●	5.08	4.52	4.07	3.70
6+6	168-9406●	5.26	4.64	4.16	3.80
7+7	114-4562●	5.89	5.23	4.71	4.30
10+10	114-4563●	6.81	6.04	5.44	4.95
13+13	114-4564●	8.27	7.35	6.63	6.03

No. of Ways	Order Code	1+	10+	50+	100+
DIL Vertical - with Jackscrews					
17+17	114-4565●	9.52	8.45	7.62	6.93
21+21	114-4566●	10.88	9.69	8.70	7.92
25+25	114-4567●	11.26	9.99	9.01	8.17
DIL Right Angle - with Jackscrews					
3+3	114-4577●	4.43	3.94	3.54	3.21
5+5	114-4578●	5.08	4.52	4.07	3.70
6+6	168-9407●	5.26	4.64	4.16	3.80
7+7	114-4579●	5.89	5.23	4.71	4.30
10+10	114-4580●	6.81	6.04	5.44	4.95
13+13	114-4581●	8.28	7.37	6.65	6.04
17+17	114-4582●	9.52	8.45	7.62	6.93
21+21	114-4584●	10.72	9.52	8.57	7.80
25+25	114-4585●	11.95	10.62	9.58	8.67

Datamate Sockets
M80-681 series



- Double row vertical sockets
- SMT
- 2.0mm pitch, 2.0mm pitch row
- 500 mating cycles
- Flammability rating - UL94V-0
- Mates with Harwin Datamate Headers M80-826, M80-827, M80-828, M80-851, M80-863



Moulding Material Glass-Filled Polyamide 46
Contact Material Brass
Contact Plating Gold
Working Voltage 120V AC/DC
Operating Temperature -55°C to 125°C

524055

Mfrs. Part No.	No. of Ways	Order Code	1+	10+	50+	100+
M80-6810445	4	156-8627●	3.52	3.11	2.78	2.53
M80-6810645	6	156-8628●	4.27	3.78	3.39	3.07
M80-6811245	12	156-8629●	5.16	4.57	4.09	3.70
M80-6811445	14	156-8630●	6.49	5.74	5.14	4.65
M80-6811645	16	156-8633●	6.03	5.32	4.78	4.32
M80-6812045	20	156-8634●	7.86	6.94	6.22	5.63

Datamate Headers
M80-826, M80-827, M80-828 series



- Double row vertical headers
- SMT
- 2.0mm pitch, 2.0mm pitch row
- Available unlatched (M80-826), latched (M80-828) or with friction latches (M80-827)
- 500 mating cycles
- Flammability rating - UL94V-0
- Mates with Harwin Datamate Sockets M80-681, M80-850



Moulding Material Polyamide 46
Contact Material Phosphor Bronze
Contact Plating Gold
Working Voltage 120V AC/DC
Operating Temperature -55°C to 125°C

524062

Mfrs. Part No.	No. of Ways	Order Code	1+	10+	50+	100+
Unlatched						
M80-8260442	4	156-8635●	2.62	2.31	2.07	1.88
M80-8260642	6	156-8636●	2.77	2.45	2.19	1.99
M80-8261042	10	156-8637●	3.80	3.36	3.01	2.73
M80-8261242	12	156-8638●	4.01	3.54	3.17	2.88
M80-8261442	14	156-8639●	4.22	3.73	3.33	3.02
M80-8261642	16	156-8640●	4.68	4.13	3.71	3.36
M80-8262042	20	156-8641●	5.10	4.50	4.03	3.65
Friction Latch						
M80-8270442	4	156-8643●	2.62	2.31	2.07	1.88
M80-8270642	6	156-8645●	2.77	2.45	2.19	1.99
M80-8270842	8	156-8646●	2.94	2.60	2.33	2.11
M80-8271042	10	156-8647●	3.80	3.36	3.01	2.73
M80-8271242	12	156-8648●	4.01	3.54	3.17	2.88
M80-8271442	14	156-8649●	4.22	3.73	3.33	3.02
Latched						
M80-8271642	16	156-8650●	4.68	4.13	3.71	3.36
M80-8272042	20	156-8651●	5.10	4.50	4.03	3.65
M80-8280442	4	156-8652●	2.62	2.31	2.07	1.88
M80-8280642	6	156-8653●	2.77	2.45	2.19	1.99
M80-8282042	20	156-8654●	6.38	5.65	5.06	4.59

£ € 40,000 PRICES REDUCED



Datamate Headers
M80-851 series



- Double row latched headers
- Horizontal PC tail
- 2.0mm pitch, 2.0mm pitch row
- 500 mating cycles
- Flammability rating - UL94V-0
- Mates with Harwin Datamate Sockets M80-681, M80-850

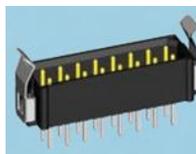


Moulding Material	Contact Material	Contact Plating	Working Voltage	Operating Temperature
Polyamide 46	Phosphor Bronze	Gold & Tin	120V AC/DC	-55°C to 125°C

524077

Mfrs. Part No.	No. of Ways	Order Code	Price Each			
			1+	10+	50+	100+
M80-8510442	4	156-8661	3.23	2.87	2.57	2.32
M80-8510642	6	156-8662	3.41	3.02	2.70	2.44
M80-8510842	8	156-8663	3.58	3.16	2.84	2.57
M80-8511042	10	156-8664	3.74	3.29	2.96	2.68
M80-8512642	26	156-8665	6.55	5.79	5.19	4.70

Datamate Headers
M80-863 series



- Double row vertical headers
- Friction Latches
- Fully shrouded contacts
- Polarised mouldings
- 2.0mm pitch, 2.0mm pitch row
- 500 mating cycles
- Flammability rating - UL94V-0
- Mates with Harwin Datamate Sockets M80-681, M80-850



Moulding Material	Contact Material	Contact Plating	Working Voltage	Operating Temperature
Polyamide 46	Phosphor Bronze	Gold & Tin	120V AC/DC	-55°C to 125°C

524078

Mfrs. Part No.	No. of Ways	Order Code	Price Each			
			1+	10+	50+	100+
M80-8630642	6	156-8666	2.99	2.63	2.37	2.14
M80-8630842	8	156-8667	2.58	2.27	2.04	1.85
M80-8631242	12	156-8669	3.52	3.11	2.78	2.52
M80-8632042	20	156-8671	4.46	3.95	3.54	3.20
M80-8632642	26	156-8672	4.98	4.41	3.96	3.58

Datamate Sockets
M80-850 series



- Double row vertical sockets
- Fully shrouded contacts
- Polarised mouldings
- 2.0mm pitch, 2.0mm pitch row
- 500 mating cycles
- Flammability rating - UL94V-0
- Mates with Harwin Datamate Headers M80-826, M80-827, M80-828, M80-851, M80-863



Moulding Material	Contact Material	Contact Plating	Working Voltage	Operating Temperature
Glass-Filled Polyamide 46	Beryllium Copper	Gold & Tin	120V AC/DC	-55°C to 125°C

524074

Mfrs. Part No.	No. of Ways	Order Code	Price Each			
			1+	10+	50+	100+
M80-8500442	4	156-8655	1.31	1.16	1.04	0.94
M80-8500642	6	156-8657	1.81	1.59	1.42	1.29
M80-8500842	8	156-8658	2.28	2.02	1.82	1.64
M80-8501042	10	156-8659	2.78	2.45	2.20	2.00
M80-8501242	12	156-8660	3.30	2.93	2.62	2.37

Plugs, - Board Mount
With Jackscrews



1144569

1144589

Manufactures list numbers. Where xx = number of ways

- DIL Vertical, Board Mount with Jackscrews M80-510xx42
- DIL Right Angle, Board Mount with Jackscrews M80-540xx42

528956

No. of Ways	Order Code	Price Each			
		1+	10+	50+	100+
DIL Vertical - Board Mount with Jackscrews					
3+3	114-4568	7.69	6.83	6.14	5.59
4+4	168-9402	8.92	7.83	7.13	6.42
5+5	114-4569	9.89	8.79	7.89	7.20
6+6	168-9403	10.35	9.14	8.19	7.49
7+7	114-4570	10.68	9.51	8.54	7.78
10+10	114-4572	11.63	10.33	9.29	8.45
13+13	114-4573	11.37	10.11	9.09	8.29
17+17	114-4574	11.87	10.56	9.48	8.64
21+21	114-4575	12.89	11.45	10.31	9.36
25+25	114-4576	13.07	11.64	10.46	9.49
DIL Right Angle - Board Mount with Jackscrews					
3+3	114-4586	14.27	12.71	11.42	10.39
4+4	168-9404	14.53	12.83	11.49	10.51
5+5	114-4587	14.90	13.24	11.93	10.85
6+6	168-9405	15.24	13.45	12.05	11.02
7+7	114-4588	17.59	15.64	14.08	12.80
10+10	114-4589	16.62	14.79	13.30	12.08
13+13	114-4590	18.05	16.04	14.44	13.13
34+34	114-4591	18.36	16.34	14.70	13.34
21+21	114-4592	18.35	16.32	14.69	13.35
25+25	114-4593	18.74	16.64	14.99	13.63

Surface Mount
Plugs and Sockets



419260

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+
Plug DIL Vertical					
4+4	M80-8260842	SMD110-0731	3.47	3.08	2.78
Plug DIL Vertical with Locking Latch					
4+4	M80-8280842	SMD110-0732	3.68	3.27	2.95
5+5	M80-8281042	SMD110-0733	4.29	3.83	3.45
6+6	M80-8281242	SMD110-0734	3.65	3.25	2.93
7+7	M80-8281442	SMD110-0735	5.55	4.92	4.44
8+8	M80-8281642	SMD110-0736	6.16	5.47	4.92
Socket DIL Vertical					
4+4	M80-6810845	SMD110-0738	4.84	4.31	3.86
5+5	M80-6811045	SMD110-0739	6.09	5.41	4.86

Surface Mount
Plugs and sockets 90°

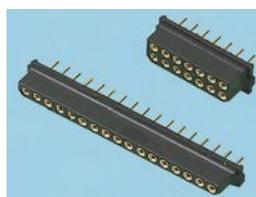


- Current Rating at 25°C 3 A
- Working Voltage 120 V
- Contact Resistance 25 mΩ
- Durability 500
- Contact Material Brass
- Contact Plating Gold

496156

No. of Ways	Mfrs. Part No.	Order Code	1+	10+	50+	100+
Right Angle Plug						
8	M80-6650842	151-7353	2.28	2.02	1.81	1.73
10	M80-6651042	151-7354	2.46	2.17	1.95	1.88
12	M80-6651242	151-7355	2.65	2.34	2.10	2.02
14	M80-6651442	151-7356	2.84	2.51	2.24	2.15
16	M80-6651642	151-7357	3.27	2.90	2.60	2.50
20	M80-6652042	151-7358	3.66	3.23	2.90	2.78
Right Angle Socket						
8	M80-6660842	151-7359	3.50	3.09	2.76	2.66
10	M80-6661042	151-7360	3.04	2.69	2.41	2.31
12	M80-6661242	151-7361	3.81	3.37	3.02	2.91
14	M80-6661442	151-7362	3.98	3.52	3.15	3.02
16	M80-6661642	151-7364	4.37	3.86	3.45	3.31
20	M80-6662042	151-7365	4.69	4.15	3.72	3.57

PC Sockets



- Manufactures list numbers. Where xx = number of ways
- SIL Straight M80-840xx05
- DIL Straight M80-850xx05



2.0mm Datamate - continued

PC Sockets - continued

210041

Order Multiple=2 No. of Ways	Order Code	Price Each				
		2+	10+	50+	100+	250+
Single Row						
2	978-9456●	0.94	0.73	0.67	0.65	0.63
3	978-9464●	1.24	1.00	0.91	0.89	0.86
4	978-9472●	1.60	1.30	1.19	1.14	1.09
5	978-9499●	1.91	1.53	1.40	1.33	1.30
6	978-9502●	2.34	1.89	1.71	1.65	1.60
7	978-9510●	2.62	2.12	1.92	1.86	1.81
17	978-9529●	5.86	4.71	4.27	4.12	4.00
Double Row						
4+4	978-9537●	2.95	2.37	2.16	2.10	2.01
5+5	978-9545●	3.61	2.89	2.64	2.54	2.46
6+6	978-9553●	4.28	3.46	3.14	3.02	2.94
7+7	978-9561●	4.81	3.89	3.54	3.40	3.29
8+8	978-9570●	5.47	4.41	4.00	3.85	3.74
9+9	978-9588●	6.18	4.95	4.52	4.33	4.22
10+10	978-9596●	6.68	5.37	4.88	4.70	4.57

FOR MORE INFORMATION & CHOICE

Product Search

Datamate

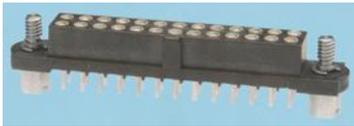


RoHS Compliant Items Only | Advanced Search



Sockets, Vertical - 3mm PC Tail

With and Without Jackscrews



Manufactures list numbers. Where xx = number of ways

DIL Straight, without Jackscrews M80-410xx42 DIL Straight, with Jackscrews M80-400xx42

432293

No. of Ways	Order Code	Price Each			
		1+	10+	50+	100+
DIL Vertical - without Jackscrews					
3+3	114-4532●	3.62	3.21	2.89	2.62
5+5	114-4533●	4.21	3.75	3.38	3.06
7+7	114-4535●	4.13	3.66	3.31	3.01
10+10	114-4536●	6.46	5.75	5.16	4.71
17+17	114-4538●	8.58	7.62	6.85	6.22
21+21	114-4539●	9.01	8.02	7.21	6.56
25+25	114-4540●	12.58	11.19	10.07	9.15
DIL Vertical - with Jackscrews					
3+3	114-4524●	8.44	7.53	6.76	6.14
5+5	114-4525●	7.06	6.29	5.65	5.14
7+7	114-4526●	9.97	8.86	7.99	7.25
10+10	114-4527●	10.67	9.48	8.55	7.77
13+13	114-4528●	11.36	10.11	9.09	8.27
17+17	114-4529●	12.30	10.94	9.85	8.94
21+21	114-4530●	14.49	12.89	11.60	10.56
25+25	114-4531●	15.42	13.72	12.34	11.22

Hoods



- Provides cable strain relief when used with double row housings
- For use with unlatched connectors only
- Pin 1 identified on hood

Manufactures list numbers.

Where xx = number of ways
DIL Hoods M80-880xx98

210043

Order Multiple=2 No. of Ways	Order Code	Price Each				
		2+	10+	50+	100+	250+
Hood						
5+5	495-669●	2.16	1.71	1.56	1.52	1.42
6+6	495-694●	2.19	1.74	1.58	1.54	1.43
7+7	495-724●	2.21	1.77	1.62	1.55	1.47
8+8	495-748●	2.22	1.79	1.62	1.55	1.47
9+9	495-750●	1.30	1.04	0.95	0.91	0.86
10+10	495-761●	2.24	1.80	1.64	1.57	1.48

Housings and Crimps



Manufactures list numbers. Where xx = number of ways

SIL Housings M80F-101xx98S
DIL Housings M80F-103xx98S

Order Multiple=2 No. of Ways	Order Code	Price Each				
		2+	10+	50+	100+	250+
SIL						
2	495-773●	0.65	0.54	0.49	0.48	0.44
3	495-785●	0.95	0.78	0.69	0.67	0.64
4	495-797●	1.07	0.86	0.80	0.73	0.72
5	495-803●	1.32	1.06	0.95	0.93	0.91
6	495-815●	1.53	1.24	1.12	1.08	1.04
7	495-827●	1.58	1.29	1.18	1.12	1.08
DIL						
4+4	495-840●	3.01	2.40	2.18	2.10	2.04
5+5	495-852●	2.37	1.91	1.75	1.66	1.62
6+6	495-864●	3.02	2.43	2.21	2.15	2.07
7+7	495-876●	3.20	2.57	2.33	2.23	2.18
8+8	495-888●	2.66	2.14	1.94	1.87	1.81
9+9	495-890●	3.05	2.44	2.22	2.13	2.07
10+10	495-906●	5.20	4.19	3.81	3.68	3.57

210022

Order Multiple=10 CRIMPS	Mfrs. List No.	Order Code	Price Each			
			10+	100+	500+	1K+
0.511-3.21 (24-28AWG)	M80F0130005	495-918●	0.168	0.131	0.119	0.116
0.644 (22AWG)	M80F0110005	495-920●	0.210	0.164	0.149	0.146

Sockets - Crimp

With Jackscrews



Manufactures list numbers. Where xx = number of ways

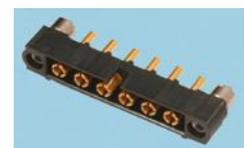
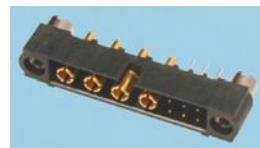
DIL, Large Bore with Jackscrews M80-460xx42 use crimp contact size: 22AWG
DIL, Small Bore with Jackscrews M80-461xx42 use crimp contact size: 28 - 24 AWG

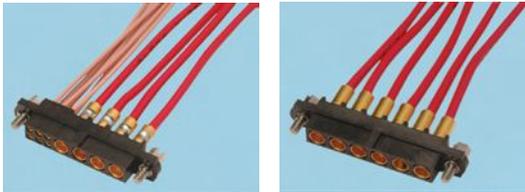
432299

No. of Ways	Order Code	Price Each			
		1+	10+	50+	100+
DIL - Small Bore with Jackscrews - 28 - 24 AWG					
3+3	114-4550●	6.73	5.96	5.35	4.87
5+5	114-4551●	8.20	7.30	6.57	5.96
7+7	114-4552●	10.13	9.01	8.11	7.37
10+10	114-4553●	12.66	11.23	10.11	9.20
13+13	114-4554●	15.36	13.66	12.30	11.17
17+17	114-4555●	18.08	16.08	14.47	13.15
21+21	114-4556●	20.80	18.48	16.64	15.12
25+25	114-4557●	23.57	20.96	18.86	17.13
DIL - Large Bore with Jackscrews - 22 AWG					
3+3	114-4541●	6.28	5.58	5.01	4.56
5+5	114-4542●	8.20	7.30	6.57	5.96
7+7	114-4543●	10.13	9.01	8.11	7.37
10+10	114-4544●	12.66	11.23	10.11	9.20
13+13	114-4545●	15.36	13.66	12.30	11.17
17+17	114-4547●	18.08	16.08	14.47	13.15
21+21	114-4548●	20.80	18.48	16.64	15.12
25+25	114-4549●	23.57	20.96	18.86	17.13

M80 Plugs and Sockets

Surface Mount





Contact Material: Gold / Tin
 Contact Plating: Gold
 Impedance: 50ohm-m
 Endurance: 500
 Operating Temperature: -55°C to 125°C

513034

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Plug						
6+4	M80-5T10642M2-00-000-04-331	155-8149●	19.40	17.58	15.77	14.27
0+6	M80-500000M3-06-332-00-000	155-8150●	16.65	15.10	13.52	12.25
Socket						
6+4	M80-4D10642F1-00-000-04-327	155-8151●	17.63	15.99	14.32	12.97
0+6	M80-400000F1-06-327-00-000	155-8152●	17.33	15.74	14.09	12.77

Female Crimped Contacts



- Supplied with pre-crimped cables
- Choice of cable lengths and sizes
- For use with 2.0mm terminal housings Above
- Twin-beam contacts for high reliability
- Red PTFE equipment wire

386456

Order Multiple = 10

Contact Size	Length (mm)	Order Code	10+	100+	250+
Crimp Socket to Free End					
22AWG	150	872-9247●	1.18	1.04	0.92
24AWG	150	872-9255●	0.93	0.81	0.75
26AWG	150	872-9263●	0.91	0.79	0.71
28AWG	150	872-9271●	0.60	0.54	0.49
22AWG	300	872-9280●	1.94	1.71	1.53
24AWG	300	872-9298●	1.31	1.17	1.06
26AWG	300	872-9301●	1.22	1.07	1.00
28AWG	300	872-9310●	0.93	0.82	0.74
Crimp Socket to Crimp Socket					
22AWG	150	872-9328●	1.73	1.56	1.36
24AWG	150	872-9336●	1.33	1.18	1.06
28AWG	150	872-9352●	0.94	0.84	0.76
22AWG	300	872-9360●	2.39	2.14	1.89
24AWG	300	872-9379●	1.83	1.60	1.45

Trio-Tek Crimp Housings



- Crimp inspection window in housing
- Housings available with or without hex slotted jack screws
- Pitch - 2.00mm
- Pitch row - 2.00mm
- Durability - 500 cycles



Housing Material: Glass Filled Polyamide 46
 Current Rating: 3A
 Voltage Rating: 120V AC/DC
 Contact Resistance: 25mohm
 Insulation Resistance: 100Mohm
 Operating Temperature: -55°C to 125°C

526852

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Without Jackscrews						
6	M80-4540698	166-7045●	0.610	0.560	0.500	0.460
8	M80-4540898	166-7046●	0.660	0.610	0.540	0.460
10	M80-4541098	166-7047●	0.710	0.660	0.580	0.490
12	M80-4541298	166-7048●	0.760	0.700	0.620	0.520
With Jackscrews						
6	M80-4550698	166-7049●	2.660	2.440	2.150	1.970
8	M80-4550898	166-7050●	2.690	2.480	2.180	1.990
10	M80-4551098	166-7052●	2.730	2.510	2.200	2.010
12	M80-4551298	166-7053●	2.760	2.540	2.230	2.040
Crimp Pins						
22-24 AWG	M80-2830045	166-7043●	0.141	0.121	0.111	0.101
26-28 AWG	M80-2840045	166-7044●	0.141	0.121	0.111	0.101
Crimp Tool						
22-28 AWG	Z80-255	166-7054●	367.640	352.490		
Extractor Tool						
22-28 AWG	Z80-258	166-7055●	7.320	6.970		

Tooling



- Hand crimp tool to BS5210-3A and MIL M22520/2-01
- Hand tool and Positioner required to crimp terminals
- Separator tool releases latches prior to unplugging

210042

Tooling	Order Code	Price Each
Hand crimp tool	495-931	426.81
Positioner	495-943	75.20
Insertion/removal tool for crimps	941-5351	132.35
Separation Tool	495-967	34.35

2.0mm Pitch Jumper Sockets



Available in 3 Colour Options



- Gold plated
- End and side stackable
- High pressure contact
- Tapered entry for pin insertion
- Open top for test probes

H=3.5, W=3.9, D=1.95

Current rating: 2A @ 25°C
 Contact resistance: 30mΩ max.
 Temperature range: -40°C to +85°C
 Insertion/Withdrawal force: 4.5N/0.6N
 Housing: Glass Filled Thermoplastic UL94V-0
 Contacts: Beryllium Copper, Gold plated
 Mating cycles: 300

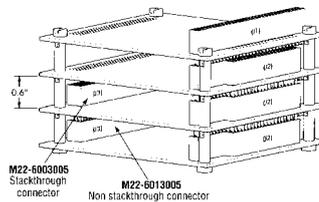
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25 Per Pack

Colour	Mftrs. List No.	Order Code	1+	5+	10+	50+	100+
Blue	M22-1910005	510-920●	9.58	7.85	6.41	5.07	4.28
Black	M22-1900005	510-932●	6.69	5.49	4.49	3.55	2.99
Red	M22-1920005	510-944●	6.61	5.42	4.42	3.51	2.94

2.0mm Pitch PC/104+ Connectors

Bus Connectors



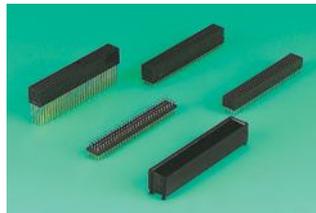
15

- PC/104 Plus is an industry standard for PC applications
- Embedded systems designers can reduce costs risks and lead times
- Dedicated and embedded PC architecture is an accepted platform for:
 - Vending Machines
 - Test equipment
 - Medical equipment
 - Communication devices
 - Laboratory instruments

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

209492

Bus Connectors



- 120 way 4 rows of 30 contacts
- Combined with PC/104 supports PCI Bus

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

Current rating: 1A
 Voltage proof: 500V ac
 Contact resistance: 20mΩ max.
 Insulation resistance: 5000MΩ min.
 Temperature range: -40°C to +105°C
 Housings: High Temperature Nylon UL94V-0
 Contacts: Phosphor Bronze
 Finish: Gold over Nickel
 Average insertion force: 103.2g (1N) per contact
 Average withdrawal force: 81.9g (0.8N) per contact

219785

120 Way	Mftrs. List No.	Order Code	1+	10+	100+
Stackthrough	M22-6003005	360-004●	7.27	6.50	5.93
Non-stackthrough	M22-6013005	360-030●	6.85	6.12	5.56
Pin header	M22-6023042	124-9051●	3.96	3.57	3.23
Pin header receptacle	M22-6033042	124-9052●	3.38	3.04	2.75
Shroud	M22-6043098	360-132●	1.51	1.32	1.21

2.5mm Pitch KK Connectors

- Max 2.5A
- Same specification as the 0.1" (2.54) pitch connectors
- For 0.1" (2.54mm) pitch **SEE PAGE 1723**



Maximum voltage	250V ac	Body material	White Nylon UL94V-0
Maximum current	2.5A	Terminal	Tin
Contact resistance	20mΩ max.	Engage force per circuit	2
Dielectric strength	1500kV RMS for 60 secs	Disengage force per circuit	0.5
Temperature range	-40°C to +105°C		

219773

KK® Crimp Terminal Housing (with locking ramp) 2.50mm Pitch



Mfrs. List No. 22-01-1xx3, where xx=No of ways. Engineering No. 5051-M

Mfrs List No.	143-092 = 22-01-1023	143-096 = 22-01-1083
	143-093 = 22-01-1033	997-9514 = 22-01-1093
	143-094 = 22-01-1043	143-097 = 22-01-1103
	257-412 = 22-01-1053	257-424 = 22-01-1123
	143-095 = 22-01-1063	997-9522 = 22-01-1153
	997-9506 = 22-01-1073	

219774

Order Multiple=10 No. of Ways	Order Code	Price Each					
		10+	100+	250+	500+	1K+	2K5+
2	143-092●	0.162	0.124	0.113	0.100	0.090	0.072
3	143-093●	0.189	0.152	0.124	0.113	0.100	0.086
4	143-094●	0.188	0.152	0.138	0.124	0.100	0.086
5	257-412●	0.200	0.162	0.150	0.124	0.113	0.097
6	143-095●	0.220	0.188	0.162	0.152	0.124	0.108
7	997-9506●	0.119	0.096	0.082	0.072	0.065	0.058
8	143-096●	0.290	0.210	0.200	0.176	0.151	0.134
9	997-9514●	0.310	0.220	0.200	0.191	0.167	0.141
10	143-097●	0.330	0.270	0.210	0.200	0.176	0.145
12	257-424●	0.380	0.310	0.280	0.210	0.200	0.169
15	997-9522●	0.200	0.166	0.156	0.119	0.109	0.097

KK® Crimp Terminal



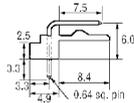
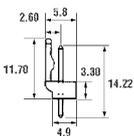
Wire Size	Wire Size	Insulation	Engineering	Mfrs.
mm ²	AWG	Diameter	No.	List No.
0.055-0.336	22-30	0.062-1.57	4809	08-50-0032.

209412

Pack Quantity	Order Code	Price Per Pack		
		1+	5+	10+
100	977-3789●	5.09	4.86	4.68
1000	973-1474●	46.58	43.40	41.24

15

KK® Square Pin Headers (with Friction Lock) 2.50mm Pitch



PCB hole dia. = 1.19±0.05

Mfrs. List No.	22-04-1xx1 = Straight Header	5045A = Straight Header
	22-05-1xx2 = 90° Header	5046A = 90° Header
	where xx = No. of ways	

209425

Order Multiple=10 No. of Ways	Order Code	Price Each					
		10+	100+	250+	500+	1K+	2K5+
Straight Header							
2	973-0940●	0.450	0.360	0.280	0.210	0.179	0.146
3	973-0958●	0.320	0.260	0.210	0.165	0.126	0.115
4	973-0966●	0.630	0.510	0.400	0.320	0.260	0.220
5	112-5141●	0.720	0.580	0.430	0.340	0.280	0.250
6	973-0974●	0.660	0.530	0.430	0.330	0.270	0.220
7	997-9441●	1.050	0.830	0.510	0.410	0.350	0.310
8	973-0982●	1.010	0.820	0.620	0.480	0.410	0.360
9	997-9450●	1.130	0.920	0.830	0.700	0.630	0.540
10	973-0990●	0.730	0.590	0.480	0.370	0.320	0.280
12	112-5142●	1.380	1.100	0.840	0.660	0.550	0.470
15	997-9468●	1.520	1.200	1.090	0.970	0.840	0.710
Order Multiple=5 90° Header							
2	973-1008●	0.540	0.410	0.390	0.350	0.300	0.240
3	973-1016●	0.760	0.610	0.540	0.430	0.360	0.310
4	973-1024●	0.860	0.700	0.620	0.480	0.420	0.350
5	973-2594●	0.760	0.570	0.510	0.470	0.390	0.350
6	973-1032●	1.050	0.850	0.750	0.590	0.500	0.430
7	997-9476●	0.520	0.430	0.380	0.320	0.280	0.260
8	973-1040●	1.200	0.970	0.850	0.660	0.560	0.470
10	973-1067●	1.170	0.950	0.840	0.660	0.550	0.460
12	973-2608●	1.470	1.140	1.060	0.910	0.790	0.660

Crimp Tool for 2.5mm and 2.54mm Terminals



- Suitable for crimping KK® terminals 2.54mm 22-30 AWG, SPOX™ 2.50mm Wire-to-Wire male crimp terminals 22-28AWG
- Right and Left handed applications

209414

Tool Type	Mfrs. List No.	Order Code	Price Each
Ratchet	63811-8200	163-0513	1+ 238.83

2.5mm Pitch Minimodul

Mini - module



Housings	Polycarbonate UL94 V0 (MBX) Polystyrene UL94 V0 (MBC) PBTB V0 reinforced glass fibre (MSF, MSFW, MSFW/O) Polyamide (MS, MSE) Noryl SE 1 (MB, MBPH)
Contacts	CuZn 6, Sub-nickel and 5µm tin plated (socket) CuZn 37, Sub-nickel and 5µm tin plated (Pin)
Pitch	2.5mm
Current rating	5A
Voltage rating	250VAC

246607

2 to 20 way

Headers

Series 2.5 MS

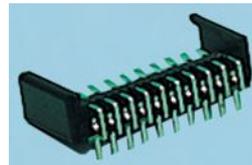


239107

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
10	2,5MS 10	121-2159●	0.47	0.41	0.34	0.29	0.27
16	2,5MS 16	121-2160●	0.68	0.54	0.45	0.39	0.38
20	2,5MS 20	121-2161●	0.75	0.58	0.53	0.46	0.41

Pin Header R/A

Series 2.5 MSF/6



- Right Angle
- Single row
- Solder terminals

239111

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+	500+
2	2,5 MSF 2 (MBX)	121-2158●	0.189	0.157	0.152	0.151	0.136

Pin Header with locking latch

Series 2.5 MSF



- Guide collar and support clip to avoid unintentional separation
- Solder terminals
- Single row
- 2 to 20 ways

239112

No. of Ways	Mfrs. list No.	Order Code	1+	10+	50+	100+	500+
2	2,5MSF 2 (MBX)	121-2153●	0.330	0.260	0.220	0.187	0.186
2	2,5MSF 2 (MBC)	121-2144●	0.163	0.132	0.111	0.094	0.093
6	2,5MSF 6	121-2154●	0.400	0.330	0.280	0.260	0.250
10	2,5MSF 10	121-2155●	0.540	0.400	0.360	0.340	0.290



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PCB Header- stackable
2.5 MB Series



- Single row, 2 to 20 way
- Interlocking design for higher number of ways
- Stackable through PCB

239116

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	500+
2,5MB 8	8	121-7002●	0.52	0.40	0.35	0.29	0.28

Crimp Terminal Housing
3114 Series



- Easy sockets for crimped terminals without coding pin
- 2 to 20-way
- Polarised housing

239106

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	500+
3114 02	2	119-6554●	0.191	0.135	0.113	0.103	0.102
3114 04	4	119-6555●	0.120	0.093	0.073	0.067	0.061
3114 06	6	119-6556●	0.114	0.090	0.079	0.062	0.059
3114 08	8	119-6557●	0.137	0.107	0.094	0.083	0.076

Miniature IDT Connector
2.5 MB Series



- Uses Insulation displaced technology
- Mates with Lumberg pin Headers

2.5 MBX 14

STED032/239117

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	500+
2,5MBX 2	2	121-2146●	0.220	0.159	0.146	0.128	0.119
2,5MBX 4	4	121-2147●	0.290	0.230	0.195	0.174	0.163
2,5MBX 6	6	121-2148●	0.420	0.340	0.290	0.260	0.250
2,5MBX 10	10	121-2152●	0.590	0.430	0.400	0.360	0.330
2,5MBX 20	20	873-159	1.740	1.360	1.190	1.050	1.020

Crimp Terminals and Tooling
3111 Series



Crimp terminals are manufactured to **DIN 41611**, and are available in two sizes (AWG 24-1 and 20-1).



3111 01L

Minimum order quantity: 10 per type!

CZ2

239128

Mftrs. List No.	Conductor cross section (mm ²)	Order Code	1+	10+	50+	100+
3111 01L	0.10-0.25	119-6552●	0.133	0.093	0.071	0.064
3111 03L	0.30-0.60	119-6553●	0.116	0.081	0.063	0.056

Order Multiple=1

Mftrs. List No.	(mm ²)	1+
CZ2	Handtool	390-1531 217.690

Shorting Link
Series 2.54 MKB



- With or without Latching
- opening for test clip

Housing Material	Polyamide		
Contact Material	CuSn, Tinned		
Mating with	Pin headers 2,5MS and 2,54MS		
Contact resistance	≤5mΩ		
Current rating	2.5A		
Voltage rating	250V ac		
Type	121-2164	2,54 MKBL	
With Latch	809-718	2,54MKB	
Without Latch			

239122

Order Code	1+	10+	50+	100+
121-2164●	0.260	0.220	0.192	0.191
809-718	0.250	0.230	0.210	0.182

2.5mm Pitch Connectors

2.5mm Pitch Spox™ Connectors
Receptacles and Headers



- Low-profile design accommodates height constraints
- Fully shrouded housing to protect contacts
- 2 to 10 ways
- Friction lock
- UL and CSA approved

Mftrs. List No. Crimp housing = 50375xx3, Vertical header = 22035xx5, R/A header = 22057xx5, where xx=No. of ways

Maximum voltage	250V ac	Mating cycles	MΩ
Maximum current	3A	Temperature range	-40°C to +105°C
Contact resistance	mΩ max.	Body material	Glass-filled PA Polyamide (Nylon) 6/6

418942

Order Multiple=10				
No. of Ways	Order Code	10+	Price Each	250+
Crimp Housing				
2	997-9549●	0.048	0.046	0.043
3	997-9557●	0.116	0.109	0.101
4	997-9565●	0.054	0.050	0.046
5	997-9573●	0.038	0.035	0.032
6	997-9581●	0.181	0.167	0.157
8	997-9590●	0.116	0.108	0.101
10	997-9603●	0.073	0.068	0.063
Vertical Header				
2	997-9611●	0.146	0.137	0.126
3	997-9620●	0.152	0.142	0.131
4	110-4204●	0.220	0.174	0.155
5	997-9638●	0.121	0.113	0.105
6	997-9646●	0.126	0.116	0.109
90° Header				
2	997-9670●	0.197	0.183	0.169
4	997-9697●	0.173	0.161	0.148
5	997-9700●	0.360	0.340	0.320
6	997-9719●	0.058	0.054	0.051
8	997-9727●	0.115	0.107	0.100
Order Multiple=1				
Crimp contacts		1+	5+	10+
8701040	997-9530●	4.540	4.090	3.930

Mini-Match
Headers and Sockets



- High Density Board-to-Board connector
- 2.5mm Pitch
- Tin Plated contacts
- High contact pressure
- Current rating of 10A up to 20°C

473917

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
Header						
3	5164711-3	135-7550●	0.196	0.171	0.163	0.150
5	5164711-5	135-7552●	0.400	0.370	0.350	0.320
7	5164711-7	135-7556●	0.440	0.410	0.390	0.350
8	5164711-8	135-7557●	0.640	0.600	0.570	0.520
9	5164711-9	135-7558●	0.560	0.520	0.490	0.450
10	1-5164711-0	135-7560●	0.630	0.580	0.550	0.500
11	1-5164711-1	135-7561●	0.690	0.640	0.590	0.550
12	1-5164711-2	135-7562●	0.760	0.700	0.660	0.590

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2.5mm Pitch Connectors - continued

Mini-Match - continued

Headers and Sockets - continued

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Socket						
3	5164713-3	135-7563	0.154	0.145	0.137	0.119
7	5164713-7	135-7568	0.370	0.340	0.330	0.300
8	5164713-8	135-7569	0.390	0.360	0.350	0.320
9	5164713-9	135-7570	0.520	0.490	0.460	0.420
10	1-5164713-0	135-7572	0.570	0.530	0.490	0.450
12	1-5164713-2	135-7574	0.610	0.560	0.530	0.480

Stocko Connector System

RFK2 Series



- 2.5mm pitch single in line, through hole vertical PCB Headers and Sockets
- A Rugged IDC or Discrete wire connector system.
- Latching mechanism gives secure "lock in" between header and socket and prevents backout occurring

Maximum Voltage	1500V ac	Housing	PC - VO
Working Temperature Range	-40°C to 115°C	Pitch	2.5mm
Contact plating	Tin	Wire size	24AWG Stranded or solid conductor
Contact Material	Phosphor Bronze		

333935

No of Ways.	Mfrs. List No.	Order Code	Price Per Pack of 10			
			1+	10+	50+	100+
2.5mm Socket						
2	MKFL13262-6-0-202	114-1852	3.26	3.13	2.95	2.86
3	MKFL13263-6-0-303	114-1853	2.82	2.69	2.53	2.47
4	MKFL13264-6-0-404	114-1854	3.82	3.62	3.42	3.32
5	MKFL13265-6-0-505	114-1856	4.07	3.89	3.64	3.56
6	MKFL13266-6-0-606	114-1857	4.70	4.47	4.21	4.11
8	MKFL13268-6-0-808	114-1858	5.24	5.00	4.70	4.59
9	MKFL13269-6-0-909	114-1859	5.54	5.27	4.95	4.84
PCB Header						
2	MKS1851-6-0-202	117-2828	1.71	1.64	1.54	1.49
3	MKS1853-6-0-303	114-1861	1.59	1.51	1.42	1.39
4	MKS1854-6-0-404	114-1862	1.82	1.73	1.63	1.58
5	MKS1855-6-0-505	113-4508	2.00	1.90	1.79	1.74
6	MKS1856-6-0-606	117-4959	2.22	2.13	2.01	1.95

15

XA Connector Series

Disconnectable Crimp style



- 2.5mm pitch single in line profile
- Locking device
- Solder crack prevention
- Low insertion force
- Insertion guide mechanism

Current Rating	3A ac/dc	Contact Resistance	10mohm
Voltage Rating	250V ac/dc	Insulation Resistance	1000Mohm
Withstanding Voltage	1000V ac/1min.	PC board Thickness	1.6mm
Housing	Nylon 6.6, UL94V-0, Natural (White)		
Contacts	Phosphor BronzeTin		
Temperature Range	-25°C to 85°C		

Wire mm ²	Size AWG	Insulation Dia. O.D. (mm)	Mfrs. List No.	Order Code
0.08 - 0.33	28 - 22	1.2 - 1.9	BXA-001T-P0.6	735-6145

348810

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			10+	100+	250+	500+
Standard housing						
2	XAP-02V-1	735-6064	0.077	0.072	0.063	0.055
3	XAP-03V-1	735-6080	0.083	0.077	0.068	0.059
4	XAP-04V-1	735-6099	0.094	0.088	0.077	0.068
5	XAP-05V-1	735-6102	0.171	0.159	0.139	0.122

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			10+	100+	250+	500+	
Order Multiple = 10							
Standard housing							
6	XAP-06V-1	735-6110	0.185	0.173	0.152	0.133	
7	XAP-07V-1	735-6129	0.118	0.110	0.097	0.085	
8	XAP-08V-1	735-6137	0.220	0.210	0.187	0.165	
Shrouded Header - Top Entry							
2	B02B-XASK-1(LF)(SN)	949-2062	0.210	0.195	0.170	0.150	
3	B03B-XASK-1(LF)(SN)	949-2070	0.260	0.220	0.200	0.176	
4	B04B-XASK-1(LF)(SN)	949-2089	0.290	0.270	0.230	0.200	
5	B05B-XASK-1(LF)(SN)	949-2097	0.360	0.330	0.290	0.260	
6	B06B-XASK-1(LF)(SN)	949-2100	0.390	0.360	0.330	0.280	
7	B07B-XASK-1(LF)(SN)	949-2119	0.460	0.420	0.370	0.330	
8	B08B-XASK-1(LF)(SN)	949-2127	0.500	0.470	0.410	0.360	
Shrouded Header - Side Entry							
2	S02B-XASS-1(LF)(SN)	949-2135	0.220	0.200	0.176	0.157	
3	S03B-XASK-1(LF)(SN)	949-2143	0.210	0.183	0.166	0.146	
4	S04B-XASK-1(LF)(SN)	949-2151	0.310	0.280	0.240	0.210	
5	S05B-XASK-1(LF)(SN)	949-2160	0.360	0.340	0.310	0.270	
6	S06B-XASK-1(LF)(SN)	949-2178	0.410	0.370	0.340	0.290	
8	S08B-XASK-1(LF)(SN)	949-2194	0.400	0.370	0.340	0.290	
Order Multiple = 10							
Crimp contacts			735-6145	0.059	0.055	0.049	0.044
Order Multiple = 1							
Crimp tool			WC-692	1+	100+	250+	500+
				145-3596	237.830		

XH Connector 2.5mm



- Original folded beam contact
- Box-shaped shrouded header
- Header with a boss prevents improper PCB insertion
- Very small mounting height 9.8mm

Current Rating	3A ac/dc	Contact Resistance	20m Ω
Voltage Rating	250V ac/dc	Insulation Resistance	800M Ω
Withstanding Voltage	1000V/1min.	Operating Temperature	-25°C to 85°C
Contacts	Phosphor Bronze, Tin Plated		

494256

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			5+	50+	100+	500+	
Housing							
2	XHP-2	151-6264	0.034	0.030	0.029	0.028	
3	XHP-3	151-6265	0.045	0.040	0.036	0.033	
4	XHP-4	151-6266	0.066	0.061	0.053	0.049	
5	XHP-5	151-6268	0.066	0.061	0.053	0.049	
6	XHP-6	151-6269	0.077	0.071	0.062	0.057	
7	XHP-7	151-6270	0.077	0.071	0.062	0.057	
8	XHP-8	151-6271	0.077	0.054	0.041	0.034	
9	XHP-9	151-6272	0.077	0.071	0.062	0.057	
10	XHP-10	151-6273	0.089	0.081	0.072	0.065	
11	XHP-11	151-6274	0.100	0.094	0.091	0.087	
12	XHP-12	151-6275	0.111	0.104	0.102	0.098	
Vertical Header							
2	B2B-XH-A (LF)(SN)	151-6276	0.077	0.071	0.062	0.057	
3	B3B-XH-A (LF)(SN)	151-6277	0.111	0.102	0.090	0.082	
4	B4B-XH-A (LF)(SN)	151-6278	0.145	0.133	0.118	0.107	
5	B5B-XH-A (LF)(SN)	151-6281	0.145	0.133	0.118	0.107	
6	B6B-XH-A (LF)(SN)	151-6282	0.166	0.153	0.135	0.123	
7	B7B-XH-A (LF)(SN)	151-6283	0.188	0.174	0.153	0.140	
8	B8B-XH-A (LF)(SN)	151-6284	0.200	0.184	0.163	0.149	
9	B9B-XH-A (LF)(SN)	151-6285	0.230	0.220	0.189	0.173	
10	B10B-XH-A (LF)(SN)	151-6286	0.230	0.220	0.189	0.173	
11	B11B-XH-A (LF)(SN)	151-6287	0.310	0.260	0.240	0.220	
12	B12B-XH-A (LF)(SN)	151-6288	0.340	0.330	0.310	0.290	
90° Header							
2	S2B-XH-A (LF)(SN)	151-6289	0.145	0.133	0.118	0.107	
3	S3B-XH-A (LF)(SN)	151-6290	0.145	0.133	0.118	0.107	
4	S4B-XH-A (LF)(SN)	151-6291	0.156	0.145	0.126	0.115	
5	S5B-XH-A (LF)(SN)	151-6293	0.188	0.174	0.153	0.140	
6	S6B-XH-A (LF)(SN)	151-6294	0.200	0.184	0.163	0.149	
7	S7B-XH-A (LF)(SN)	151-6295	0.230	0.220	0.189	0.173	
8	S8B-XH-A (LF)(SN)	151-6296	0.240	0.230	0.199	0.182	
9	S9B-XH-A (LF)(SN)	151-6297	0.280	0.260	0.230	0.210	
10	S10B-XH-A (LF)(SN)	151-6298	0.280	0.260	0.240	0.220	
11	S11B-XH-A (LF)(SN)	151-6299	0.320	0.290	0.280	0.270	
12	S12B-XH-A (LF)(SN)	151-6300	0.390	0.370	0.360	0.350	
Order Multiple = 10							
Crimp Terminal			BXH-001T-P0.6	0.033	0.029	0.028	0.024
Order Multiple = 1							
Hand Tool			WC-110	1+	100+	1K+	2K+
				151-6302	206.420		

Spring Probe SMT Connector



Current Rating	1 A
Working Voltage	12 V
Contact Resistance	50 mΩ
Durability	10000
Contact Material	Tin
Contact Plating	Gold

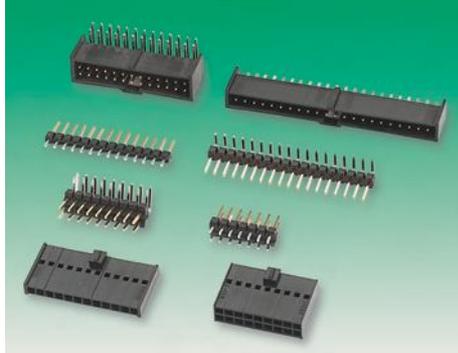
495904

Order Multiple=1					
No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+
2	P20-0245R	151-7437●	0.99	0.88	0.82
3	P20-0345R	151-7438●	1.31	1.16	1.08
4	P20-0445R	151-7439●	1.69	1.50	1.40
5	P20-0545R	151-7440●	2.18	1.93	1.81

2.54mm Pitch Pin Headers and Sockets

C-Grid III™ 2.54mm Pitch Wire-to-Board

molex



- Versatile 2.54mm pitch modular interconnection system
- Meets **DIN41651** and **HE13/14** standards
- Fully intermateable/interchangeable with Molex QF50 product range
- Not for use with Molex C-Grid SL components
- **UL & CSA** Approved
- **UL** recognised

Voltage	350V				
Current	3A				
Contact resistance	20mΩ max				
Insulation resistance	5000MΩ min				
Headers	Polyphenylene Oxide UL94V-1	Temperature	-55°C to 105°C		
Housings	Polyphenylene Oxide UL94V-1		-55°C to 105°C		
Series	Description	Series	Description		
90119	Crimps	90131	Dual row straight headers		
90123	Single row housings with 2 polarising lugs	90122	Dual row right angled headers		
90156	Single row housings with friction lock	90059	Shunts		
90142	Dual row housing with friction lock	90136	Single row vertical shrouded headers with friction lock		
90120	Single row vertical headers	90130-1***	Dual row vertical shrouded headers with friction lock		
90121	Single row right angled headers				

209512

Housings					
No. of ways	Order Code	5+	10+	50+	100+
90123 Series - Single Row Housing - 2 Polarising Lugs					
2	329-1327●	0.230	0.220	0.210	0.200
3	329-1339●	0.340	0.310	0.280	0.250
4	329-1340●	0.450	0.350	0.250	0.240
6	329-1352●	0.270	0.220	0.187	0.176
10	329-1376●	0.610	0.480	0.430	0.400
14	329-1390●	0.540	0.520	0.480	0.460
15	329-1406●	0.700	0.580	0.480	0.460
18	329-1418●	0.730	0.600	0.530	0.500
20	329-1420●	0.770	0.620	0.540	0.510
90156 Series - Single Row Housing - Friction Lock					
2	329-1443●	0.250	0.240	0.230	0.220
3	329-1455●	0.310	0.250	0.240	0.230
4	329-1467●	0.430	0.350	0.250	0.240
6	329-1479●	0.540	0.440	0.310	0.250
8	329-1480●	0.540	0.440	0.390	0.340
10	329-1492●	0.620	0.490	0.430	0.400
12	329-1509●	0.650	0.520	0.440	0.410
15	329-1522●	0.720	0.590	0.500	0.470
20	329-1546●	0.630	0.610	0.520	0.490
90142 Series - Dual Row Housing - Friction Lock					
6	329-1560●	0.610	0.480	0.300	0.270
8	329-1571●	0.630	0.510	0.420	0.340
10	329-1583●	0.690	0.550	0.460	0.420
12	329-1595●	0.720	0.580	0.480	0.460
14	329-1601●	0.730	0.590	0.510	0.480
16	329-1613●	0.760	0.620	0.540	0.510
18	329-1625●	0.810	0.660	0.560	0.530
20	329-1637●	0.820	0.670	0.580	0.550
22	329-1649●	0.730	0.690	0.590	0.560
24	329-1650●	0.890	0.710	0.630	0.590
26	329-1662●	0.920	0.740	0.650	0.610
30	329-1674●	0.970	0.780	0.670	0.630
Headers - Single Row					
90120 Series - Single Row Vert Headers					
2	973-3302●	0.300	0.250	0.240	0.230
3	973-3310●	0.460	0.350	0.260	0.240
4	973-3329●	0.610	0.480	0.300	0.270
6	973-3337●	0.630	0.520	0.440	0.370
8	973-3345●	0.720	0.580	0.480	0.460
10	973-3353●	0.740	0.600	0.530	0.500
12	973-3361●	0.800	0.640	0.550	0.520
14	973-3370●	0.640	0.610	0.590	0.560
18	973-3396●	0.720	0.670	0.640	0.620

Housings					
No. of ways	Order Code	5+	10+	50+	100+
Headers - Single Row					
90120 Series - Single Row Vert Headers					
20	973-3400●	0.810	0.770	0.710	0.680
22	973-3426●	0.630	0.590	0.570	0.530
24	973-3434●	0.840	0.780	0.730	0.700
90121 Series - Single Row RA Header					
2	973-3442●	0.300	0.250	0.240	0.230
3	973-3450●	0.460	0.350	0.260	0.240
4	973-3469●	0.610	0.480	0.340	0.270
6	973-3477●	0.680	0.550	0.460	0.410
8	973-3485●	0.720	0.580	0.480	0.460
10	973-3493●	0.740	0.600	0.530	0.500
12	973-3507●	0.800	0.640	0.550	0.520
14	973-3515●	0.640	0.610	0.590	0.560
15	973-3523●	0.720	0.670	0.640	0.610
18	973-3531●	0.720	0.670	0.640	0.620
20	973-3540●	0.830	0.780	0.730	0.690
24	973-3566●	0.870	0.840	0.770	0.720

Headers - Dual Row					
Order Multiple=2					
No. of ways	Order Code	2+	10+	50+	100+
90131 Series - Dual Row - Straight					
6	973-3574●	0.660	0.550	0.460	0.370
8	973-3582●	0.690	0.560	0.500	0.470
10	973-3590●	0.760	0.620	0.540	0.510
12	973-3604●	0.800	0.670	0.570	0.540
14	973-3612●	0.780	0.700	0.620	0.580
16	973-3620●	0.880	0.740	0.640	0.600
18	973-3639●	0.800	0.660	0.560	0.530
20	973-3647●	0.820	0.670	0.580	0.550
24	973-3663●	0.950	0.750	0.660	0.620
26	973-3671●	1.340	1.090	0.990	0.930
30	973-3680●	1.400	1.160	1.010	0.950
90122 Series - Dual Row - RA					
8	973-3698●	0.650	0.510	0.440	0.410
10	973-3701●	0.680	0.550	0.460	0.440
12	973-3710●	0.700	0.580	0.480	0.460
14	973-3728●	0.720	0.590	0.510	0.480
16	973-3736●	0.770	0.620	0.540	0.510
20	973-3744●	0.820	0.670	0.580	0.550
30	973-3779●	1.130	0.930	0.830	0.790

Shrouded Headers					
90136 Series - Single Row Vert Friction Lock					
2	973-3795●	0.650	0.510	0.390	0.300
3	973-3809●	0.680	0.550	0.460	0.440
4	973-3817●	0.700	0.580	0.480	0.460
6	973-3825●	0.780	0.640	0.550	0.520
8	973-3833●	0.820	0.670	0.570	0.540
10	973-3841●	0.590	0.550	0.520	0.500
12	973-3850●	0.990	0.810	0.680	0.640
15	973-3868●	0.840	0.780	0.730	0.700
22	973-3876●	0.920	0.880	0.850	0.810
90130-1*** Series - Dual Row Vertical Friction Lock					
6	973-3884●	0.800	0.660	0.560	0.530
8	973-3892●	0.880	0.710	0.630	0.590
10	973-3906●	0.990	0.810	0.680	0.640
12	973-3914●	1.030	0.830	0.700	0.660
14	973-3922●	1.080	0.850	0.750	0.700
16	973-3930●	1.110	0.910	0.760	0.710
18	973-3949●	1.320	1.080	0.950	0.890
20	973-3957●	1.380	1.120	0.980	0.920
24	973-3965●	1.420	1.140	1.000	0.940
26	973-3973●	1.550	1.250	1.070	1.000
30	973-3981●	1.820	1.470	1.280	1.200
90130-0*** Series - Dual Row RA Friction Lock					
6	973-3990●	0.800	0.660	0.560	0.530
8	973-4007●	0.880	0.710	0.630	0.590
10	973-4015●	0.990	0.810	0.680	0.640
12	973-4023●	1.000	0.810	0.690	0.650
14	973-4031●	1.080	0.850	0.750	0.700
16	973-4040●	1.110	0.910	0.760	0.710
20	973-4066●	1.380	1.120	0.980	0.920
30	973-4082●	1.580	1.510	1.470	1.410
Order Multiple = 10					
Black Shunt					
90059-0007	973-3787●	0.189	0.152	0.120	0.113

230555

Order Multiples = 20						
Mfrs. List No.	Description	Order Code	20+	60+	240+	480+
Crimps						
90119-2110	2224	973-3272●	0.105	0.094	0.080	0.065
90119-2121	2628	973-3280●	0.105	0.094	0.080	0.065
15-04-0292		973-3299●	0.144	0.131	0.126	0.111
Order Multiple=1						
Tooling						
69008-0003	Extraction tool	329-2538	29.490			
69008-0140	Insertion Tool	329-2540	14.560			



40,000 PRICES REDUCED

2.54mm Pitch Pin Headers and Sockets - continued

Pin Headers and Sockets



- Suitable for board to board connections or wrapping and programming applications using jumper sockets
- Headers are easily cut down to smaller lengths

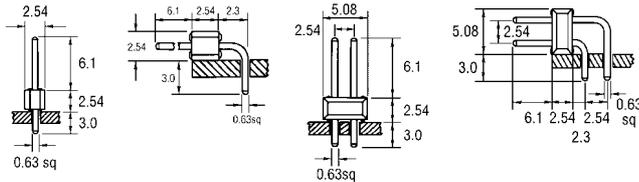
Contact rating	3A	Housings	Black Glass Filled Polyester UL94V-0
Contact resistance	3mΩ	Contacts	Phosphor Bronze
Proof voltage	20V rms	Plating	See individual entries
Insulation resistance	10000MΩ	Mating cycles	50 (tin plating)
Temperature range	-40°C to +105°C		300 (gold plating)

209374

Pin Headers - Tin Plated



Straight double row 90° single row
Pitch=2.54, PCB hole dia.=1.0



Mfrs List Nos.:
Straight=M20-999xx06, double row=M20-998xx06, where xx = No. of ways
90° single row=M20-996xx06, double row=M20-995xx06, where xx = No. of ways

209424

No. of Ways	Order Code	Price Each					
		10+	20+	50+	100+	250+	500+
Straight Single Row							
2	102-2247●	0.087	0.073	0.062	0.058	0.052	0.037
3	102-2249●	0.121	0.107	0.085	0.072	0.061	0.060
4	102-2251●	0.160	0.137	0.109	0.100	0.089	0.077
5	102-2253●	0.192	0.157	0.133	0.110	0.098	0.087
6	102-2255●	0.220	0.193	0.170	0.134	0.124	0.110
8	102-2257●	0.290	0.250	0.200	0.172	0.148	0.137
10	102-2261●	0.360	0.300	0.260	0.210	0.188	0.176
20	102-2262●	0.710	0.600	0.510	0.410	0.380	0.350
36	102-2264●	1+ 1.820	20+ 1.510	50+ 1.450	100+ 1.350	250+ 1.280	500+ 0.650
Straight Double Row							
Order Multiple=10							
3+3	102-2231●	0.260	0.210	0.170	0.148	0.124	0.122
4+4	102-2233●	0.320	0.270	0.210	0.185	0.159	0.149
5+5	102-2236●	0.380	0.330	0.280	0.210	0.197	0.187
6+6	102-2238●	0.430	0.370	0.320	0.260	0.240	0.210
8+8	102-2240●	0.580	0.490	0.400	0.340	0.320	0.270
10+10	102-2242●	0.700	0.590	0.510	0.410	0.370	0.340
36+36	102-2244●	1+ 3.530	25+ 3.170	50+ 3.080	100+ 3.020	250+ 2.840	500+ 2.760
90° Single Row							
36	102-2225●	3.250	2.780	2.710	2.570	2.420	2.270
90° Double Row							
36+36	102-2223●	4.260	3.750	3.660	3.330	3.170	3.060

15

No. of		Price Each					
Straight Double Row							
Order Multiple=10							
6+6	102-2237●	0.570	0.490	0.400	0.340	0.300	0.270
8+8	102-2239●	0.730	0.620	0.540	0.420	0.390	0.350
10+10	102-2241●	0.920	0.780	0.640	0.550	0.490	0.430
Order Multiple=1							
36+36	102-2243●	5.120	4.780	4.630	4.450	4.210	4.120
90° Single Row							
36	102-2224●	3.470	3.160	2.980	2.810	2.430	2.300
90° Double Row							
36+36	102-2221●	3.880	3.550	3.430	3.360	3.220	3.140

Pin Headers - Gold Plated Surface Mount



Current Rating	3 A	Durability	500
Working Voltage	120 V	Contact Material	Brass
Contact Resistance	25 mΩ	Contact Plating	Gold

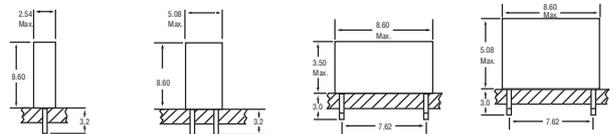
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No. of Ways	Mfrs. Part No.	Order Code	Price Each				
			10+	20+	50+	100+	250+
Order Multiple=10							
3	M20-8770342	151-7381●	0.186	0.165	0.155	0.144	0.134
4	M20-8770442	151-7382●	0.250	0.220	0.210	0.196	0.186
5	M20-8770542	151-7383●	0.310	0.280	0.270	0.250	0.240
6	M20-8770642	151-7384●	0.360	0.330	0.310	0.290	0.280
8	M20-8770842	151-7385●	0.480	0.430	0.410	0.390	0.360
10	M20-8771042	151-7386●	0.600	0.540	0.520	0.490	0.460
2 x 3	M20-8760342	151-7388●	0.370	0.330	0.320	0.300	0.280
2 x 4	M20-8760442	151-7389●	0.490	0.440	0.420	0.390	0.370
2 x 5	M20-8760542	151-7390●	0.610	0.550	0.530	0.500	0.470
2 x 6	M20-8760642	151-7391●	0.710	0.650	0.620	0.580	0.550
2 x 8	M20-8760842	151-7392●	0.950	0.860	0.820	0.770	0.720
2 x 10	M20-8761042	151-7393●	1.170	1.070	1.020	0.960	0.900

Sockets - Tin Plated



Pitch=2.54, PCB hole dia.=0.8

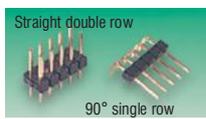


- Twin beam contact for cost effective reliability

Mfrs. List No.:
Top entry single row = M20-782xx46, double row = M20-783xx46, where xx = No. of ways
Side entry single row = M20-789xx46, double row = M20-788xx46, where xx = No. of ways
Bottom entry single row = M20-784xx42, double row = M20-785xx42, where xx = No. of ways
Bottom entry SMT single row = M20-786xx42, double row = M20-787xx42, where xx = No. of ways

209427

Pin Headers - Gold Plated



Pitch=2.54, PCB hole dia.=0.8

For dimensional information see tin plated headers above

Mfrs. List No.:
Straight single row = M20-999xx05,
double row=M20-998xx05,
90 single row = M20-996xx05,
double row = M20-995xx05,
where xx = No. of ways

209426

No. of Ways	Order Code	Price Each					
		10+	20+	50+	100+	250+	500+
Straight Single Row							
Order Multiple=10							
2	102-2245●	0.107	0.085	0.071	0.061	0.060	0.049
3	102-2248●	0.160	0.137	0.111	0.088	0.087	0.076
4	102-2250●	0.192	0.170	0.146	0.110	0.098	0.096
5	102-2252●	0.250	0.200	0.170	0.148	0.124	0.110
6	102-2254●	0.290	0.250	0.200	0.172	0.148	0.137
8	102-2256●	0.370	0.320	0.270	0.210	0.199	0.176
10	102-2259●	0.460	0.380	0.330	0.270	0.260	0.220
Order Multiple=1							
36	102-2263●	2.540	2.160	2.010	1.900	1.770	1.690
Straight Double Row							
Order Multiple=10							
3+3	102-2230●	0.320	0.260	0.210	0.185	0.159	0.149
4+4	102-2232●	0.390	0.330	0.280	0.240	0.210	0.187
5+5	102-2235●	0.500	0.400	0.350	0.280	0.270	0.240

No. of	Price Each					
Order Multiple=1	1+	25+	50+	100+	250+	500+
20 799-2114●	2.34	2.10	1.63	1.34	1.22	1.10
Side Entry Double Row						
Order Multiple=1	1+	25+	50+	100+	250+	500+
3+3 799-2122●	1.14	0.94	0.81	0.67	0.62	0.56
4+4 799-2130●	1.71	1.40	1.12	0.99	0.91	0.84
5+5 799-2149●	1.55	1.29	1.10	0.89	0.81	0.75
6+6 799-2157●	1.66	1.39	1.19	0.97	0.86	0.82
8+8 799-2165●	2.07	1.77	1.43	1.19	1.10	0.99
10+10 799-2173●	2.34	1.95	1.63	1.34	1.25	1.14
20+20 799-2181●	4.54	3.86	3.18	2.72	2.42	2.17
Bottom Entry Single Row						
Order Multiple=1	1+	25+	50+	100+	250+	500+
10 125-6654●	0.75	0.70	0.61	0.57	0.54	0.51
20 125-6655●	1.36	1.29	1.14	1.06	0.99	0.95
Bottom Entry Double Row						
Order Multiple=1	1+	25+	50+	100+	250+	500+
10+10 125-6656●	2.14	2.03	1.80	1.68	1.57	1.51
20+20 125-6657●	3.18	3.01	2.65	2.48	2.33	2.23
Bottom Entry Single Row - SMT						
Order Multiple=1	1+	25+	50+	100+	250+	500+
10 125-6659●	0.88	0.83	0.73	0.68	0.64	0.62
20 125-6661●	1.32	1.24	1.10	1.03	0.96	0.93
Bottom Entry Double Row - SMT						
Order Multiple=1	1+	25+	50+	100+	250+	500+
10+10 125-6662●	2.35	2.21	1.96	1.83	1.72	1.64
20+20 125-6663●	3.48	3.31	2.91	2.71	2.55	2.45

Crimp Terminal Housings

HARWIN



Pitch=2.54, H=14

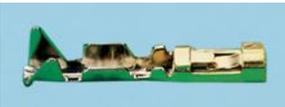
Mfrs. List No. Single row=M20-106xx00, double row M20-107xx00, where xx=No. of ways

209384

Order Multiple=10							
No. of	Price Each						
Ways	Order Code	10+	20+	50+	100+	250+	500+
Single Row							
2	865-606●	0.163	0.152	0.092	0.083	0.071	0.062
3	865-618●	0.150	0.129	0.092	0.083	0.071	0.049
4	865-620●	0.198	0.161	0.126	0.102	0.089	0.076
5	865-631●	0.250	0.193	0.146	0.123	0.098	0.087
6	865-643●	0.290	0.220	0.170	0.148	0.124	0.110
7	865-655●	0.340	0.280	0.200	0.161	0.150	0.127
8	865-667●	0.380	0.320	0.220	0.185	0.159	0.149
10	865-679●	0.500	0.380	0.290	0.240	0.210	0.189
12	865-680●	0.590	0.480	0.350	0.280	0.260	0.220
Double Row							
2+2	865-692●	0.198	0.161	0.126	0.102	0.089	0.076
3+3	865-709●	0.290	0.220	0.170	0.148	0.124	0.110
4+4	865-710●	0.380	0.320	0.220	0.185	0.159	0.149
5+5	865-722●	0.500	0.380	0.290	0.240	0.210	0.189
6+6	865-734●	0.460	0.380	0.280	0.220	0.210	0.176
7+7	865-746●	0.650	0.510	0.390	0.330	0.280	0.250
8+8	865-758●	0.800	0.620	0.480	0.380	0.340	0.290
10+10	865-760●	0.970	0.800	0.590	0.490	0.400	0.360
12+12	865-771●	1.190	0.930	0.690	0.580	0.500	0.440

Crimp Terminals and Polarising Keys

HARWIN



- Polarising keys, brass with tin plating
 - Keys click into sockets and crimp housings
- Insulation diameter = 1.7mm max

219771

100 Per Pack		Mfrs. List No.	Price Per Pack			
Finish	Wire Size	Order Code	1+	5+	10+	
Tin	22-30	M20-1180046	102-2220●	5.20	4.45	3.88
Gold	22-30	M20-1180042	102-2219●	5.79	4.98	4.34
Polarising Key		M20-003	512-023●	16.40	13.81	11.33

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Crimp Tool

HARWIN



209388

Mfrs. List No.	Order Code	Price Each
Z20-320	889-260	1+ 271.65

Pin Headers and Sockets

HARWIN

- A range of double row bottom entry sockets and extended pin headers
- Suitable for various applications including vertical stacking pcb's
- Used where space saving is necessary between two boards

Current rating:	1A	Housing:	Black Glass Filled Polyester UL94V-0
Contact resistance:	15mΩ	Contacts:	Phosphor Bronze
Temperature range:	-40°C to +105°C	Plating:	Selective Tin finish
Mating cycles:	300		

209483

Extended Headers

HARWIN



Pitch=2.54mm

209484

Order Multiple=10								
No. of	Mfrs. List No.	Order Code	10+	20+	50+	100+	250+	500+
3+3	M20-9970346	102-2226●	0.220	0.200	0.189	0.146	0.132	0.121
5+5	M20-9970546	102-2227●	0.320	0.280	0.260	0.200	0.183	0.165
8+8	M20-9970846	102-2228●	0.510	0.440	0.410	0.340	0.300	0.270
10+10	M20-9971046	102-2229●	0.630	0.570	0.520	0.410	0.380	0.340

Mini Latch Housing 'Bergcon'

FCI

15



- For use with highly reliable dual metal Mini-PV contact
- Contact latching in housing
- Available in single and double row versions

Spacing: 2.54mm single row
2.54mm 2.54mm double row

Material: Black, Modified Polyphenylene Oxide UL94V

Insulation resistance: 100000MΩ min
Temperature range: -40°C to +125°C

209486

Order Multiple=5							
No. of	Mfrs. List No.	Order Code	5+	25+	Price Each	100+	250+
Single Row							
2	65039-035LF	121-1646●	0.177	0.164	0.153	0.138	0.125
3	65039-034LF	121-1645●	0.280	0.260	0.240	0.200	0.190
4	65039-033LF	121-1644●	0.330	0.310	0.270	0.240	0.210
5	65039-032LF	121-1643●	0.420	0.380	0.310	0.270	0.250
6	65039-031LF	121-1650●	0.500	0.450	0.360	0.310	0.280
7	65039-030LF	121-1652●	0.570	0.450	0.360	0.310	0.280
8	65039-029LF	121-1653●	0.620	0.470	0.380	0.330	0.300
9	65039-028LF	121-1654●	0.680	0.510	0.420	0.360	0.320
10	65039-027LF	121-1642●	0.820	0.540	0.470	0.420	0.380
Double Row							
2+2	65043-035LF	121-1655●	0.560	0.460	0.370	0.320	0.290
3+3	65043-034LF	121-1656●	0.620	0.450	0.360	0.330	0.300
4+4	65043-033LF	121-1657●	0.650	0.530	0.430	0.370	0.340
5+5	65043-032LF	121-1649●	0.820	0.660	0.560	0.500	0.460
7+7	65043-030LF	121-1648●	0.710	0.630	0.590	0.530	0.490
8+8	65043-029LF	121-1658●	0.870	0.800	0.710	0.640	0.590
10+10	65043-027LF	121-1659●	1.630	1.130	0.940	0.830	0.790

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2.54mm Pitch Pin Headers and Sockets - continued

Polarising Plug for Mini-latch Housing



Mftrs. List No. 65307-001LF

209448

Order Multiple=10	Order Code	10+	50+	100+	250+	500+
Strip of 10	121-1647	0.062	0.061	0.046	0.035	0.032

Crimp 'Bergcon' Terminal



- Mini PV terminals for use with 'Bergcon' mini latch housing
- Available in gold or tin

209444

Order Multiple=100	AWG	Mftrs. List No.	Order Code	100+	200+	500+	1K+
28-32 Gold	47711-001LF	109-7976	0.270	0.260	0.240	0.210	
22-26 Gold	47745-001LF	109-7977	0.350	0.320	0.300	0.290	
22-26 Tin	47750-000LF	109-7978	0.260	0.240	0.220	0.197	

Tooling for 'Bergcon' crimps



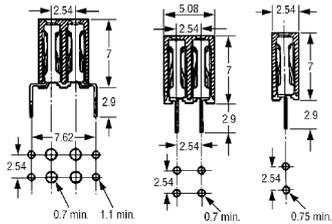
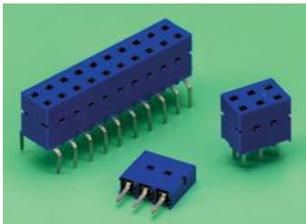
Mftrs. List No. RCY21208

209451

Order Code	Price Each
109-6681	349.00

15

Dubox Vertical Card Connectors



- Low profile (7mm) pcb connector system
- Stackable end to end or side by side
- Top entry single and double row, top/bottom entry double row
- Gold plated contacts
- In accordance with IEC-603-8

Current rating: 3A Max
 Withstand voltage: 1000Vrms (sea level)
 Insulation resistance: 10000MΩ minimum
 Temperature range: -65°C to +125°C

Housing: Glass Filled Polyester UL94V-0
 Contacts: Phosphor Bronze, gold plating in accordance with IEC603-8

219782

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	250+	500+
Vertical - Single Row, Top Entry							
3	76341-303LF	109-8033	0.35	0.33	0.32	0.30	0.28
4	76341-304LF	109-8034	0.61	0.57	0.53	0.50	0.46
5	76341-305LF	109-8035	0.69	0.61	0.59	0.57	0.50
6	76341-306LF	109-8036	0.82	0.76	0.73	0.71	0.59
7	76341-307LF	109-8037	0.92	0.84	0.82	0.79	0.68
8	76341-308LF	109-8038	1.02	0.91	0.88	0.84	0.75
9	76341-309LF	109-8039	1.21	1.13	1.10	1.04	0.87
10	76341-310LF	109-8040	1.35	1.24	1.19	1.14	0.97
11	76341-311LF	109-8042	1.40	1.27	1.23	1.18	1.04
12	76341-312LF	109-8043	1.45	1.29	1.24	1.18	1.06
14	76341-314LF	109-8045	1.69	1.59	1.53	1.45	1.24
15	76341-315LF	109-8046	2.04	1.84	1.79	1.72	1.48
Vertical - Double Row, Top Entry							
2 x 2	76342-302LF	109-8047	0.65	0.60	0.56	0.54	0.48
2 x 3	76342-303LF	109-8048	0.93	0.85	0.82	0.79	0.70
2 x 4	76342-304LF	109-8049	1.13	1.06	1.03	0.95	0.82

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	250+	500+
Vertical - Double Row, Top Entry							
2 x 5	76342-305LF	109-8050	1.35	1.24	1.19	1.14	0.97
2 x 6	76342-306LF	109-8051	1.51	1.36	1.31	1.24	1.10
2 x 7	76342-307LF	109-8052	1.72	1.60	1.54	1.46	1.28
2 x 8	76342-308LF	109-8053	2.16	1.99	1.88	1.80	1.57
2 x 9	76342-309LF	109-8054	2.46	2.21	2.15	2.05	1.78
2 x 10	76342-310LF	109-8055	3.09	2.87	2.72	2.57	2.25
2 x 11	76342-311LF	109-7983	1.80	1.65	1.59	1.51	1.32
2 x 12	76342-312LF	109-7984	3.21	2.95	2.86	2.71	2.37
2 x 13	76342-313LF	109-7985	3.96	3.65	3.50	3.33	2.92
2 x 14	76342-314LF	109-7986	2.41	2.21	2.12	2.01	1.75
2 x 15	76342-315LF	109-7987	3.72	3.45	3.28	3.12	2.73
Vertical - Double, Top/Bottom Entry							
2 x 5	71991-305LF	109-7988	1.52	0.95	0.92	0.88	0.77
2 x 6	71991-306LF	109-7989	1.82	1.14	1.09	1.05	0.90
2 x 7	71991-307LF	109-7990	2.08	1.34	1.30	1.21	1.05
2 x 8	71991-308LF	109-7991	2.30	1.54	1.46	1.38	1.21
2 x 10	71991-310LF	109-7993	2.68	1.91	1.86	1.74	1.53
2 x 13	71991-313LF	109-7995	3.30	2.49	2.37	2.25	1.98
2 x 17	71991-317LF	109-7996	3.23	2.30	2.01	1.84	1.67
2 x 40	71991-320LF	109-7997	4.53	3.79	3.66	3.46	3.04

PCB Pin Strip Headers
Straight and 90° Pins



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

240064

Plating	Mftrs. List No.	Order Code	1+	50+	100+	500+
36 Way Straight						
Tin	77311-401-36LF	109-7954	0.76	0.66	0.58	0.50
Gold	77311-818-36LF	109-7955	0.95	0.84	0.76	0.66
36 Way 90°						
Tin	77315-418-36LF	109-7956	1.18	1.04	0.92	0.81
Gold	77315-818-36LF	109-7958	1.53	1.35	1.18	1.06
72 Way Straight						
Tin	77313-418-72LF	109-7959	1.54	1.36	1.19	1.07
Gold	77313-818-72LF	109-7960	1.91	1.66	1.47	1.31
72 Way 90°						
Tin	77317-404-72LF	109-7961	4.13	3.64	3.20	2.86
Gold	77317-804-72LF	109-7962	3.97	3.48	3.05	2.74

Shorting Links
2.54mm Centreline - Single Row



- Approvals - CSA, and UL recognised

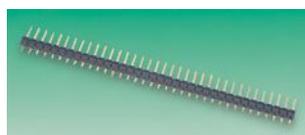
Current Rating: 3.0A
 Housing: Glass filled polyester UL94V-0
 Temperature Range: -65°C to +125°C
 Insulation Resistance: 50.000MΩ for 1 min

Contact Resistance: 15mΩ max
 Contacts: Copper Alloy
 Withstand Voltage: 750V rms
 Mating Cycles: 400 Tin Lead - 400 Gold, GXT

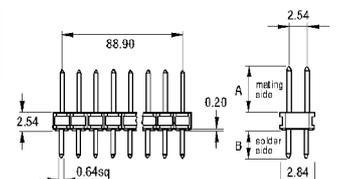
240068

Order Multiple=10	Colour	Plating	Mftrs. List No.	Order Code	10+	50+	100+
Black	Tin		68786-302LF	109-7980	0.116	0.090	0.065
Black	Gold		68786-202LF	109-7979	0.102	0.087	0.064

Headers 'Bergstik'
36 Way Breakaway



PCB hole dia=1.0 min



- 36 way strip, which can be broken to required length
- Polarise by removal of selected pin(s) using the Bergstik polarising tool



Body: Black, Glass Filled Polyamide UL94V-0
 Temperature range: -65°C to +125°C
 Contact Rating 4A (max): Solderability according to IEC682-20
 Pin Length (mm) Plating Mfrs. List No. Order Code
 (A) mating/(B) solder
Straight Single Row
 5.72 / 10.16 Gold 75160-105-36LF 109-7981 219776

Order Code	1+	50+	Price Each	250+	500+
109-7981	4.71	4.17	3.82	3.60	3.50

0.1" Pitch "Mini-Jump" Sockets

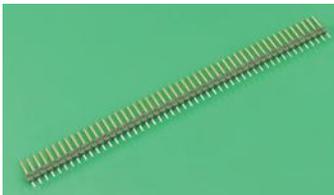


- Dual metal contact design
 - Excellent retention after high mating cycles
 - Mates with 0.64mm square and round pins.
- Contacts Body
 Current rating 3A (max) Glass Filled Thermoplastic Polyester UL94V-0
 Contact resistance 12mΩ max Temp range -65°C to +125°C
 H=9.78, W=5.08, D=2.54, Spacing=2.54

Order Multiple = 10

Plating	Mfrs. List No.	Order Code	10+	100+	250+	500+
Gold	65474-001LF	109-7974	0.50	0.34	0.32	0.29
Tin	65474-002LF	109-7975	0.51	0.47	0.43	0.38

Ampmodu II Straight Headers



- Male connector strip, Economy Line
- 2-50 way
- Single and double row
- Grid 2.54 mm with latching studs
- Pin size 0.63 x 0.63 mm

Male connector housing: Polyester, green UL94V-0
 Contact material: CuSn
 Contact surface: Duplex gold plated: contact area 0.8 μm Au on Ni, Solder face 2.5 μm Sn on Ni
 Rated current per contact: 3A
 Test voltage: 2.54mm/1000 V
 Volume resistance: 20 mΩ gold plated, 25 mΩ tinned
 Temperature range: -65°C to +105°C

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Single row						
2	825433-2	341-7645	0.153	0.141	0.129	0.116
3	825433-3	341-7657	0.199	0.185	0.172	0.158
4	825433-4	341-7669	0.280	0.240	0.210	0.195
5	825433-5	118-7826	0.280	0.250	0.220	0.210
6	825433-6	118-7827	0.340	0.290	0.270	0.260
8	825433-8	118-7828	0.460	0.370	0.340	0.320
10	1-825433-0	118-7829	0.680	0.540	0.520	0.510
50	5-825433-0	341-7736	2.480	2.060	1.940	1.860
Double row						
2 x 2	825440-2	341-7748	0.420	0.350	0.320	0.310
2 x 3	825440-3	341-7750	0.300	0.250	0.240	0.220
2 x 4	825440-4	341-7761	0.330	0.280	0.270	0.250
2 x 5	825440-5	341-7773	0.660	0.610	0.580	0.540
2 x 7	825440-7	341-7797	0.810	0.690	0.680	0.620
2 x 8	825440-8	341-7803	0.930	0.770	0.600	0.520
2 x 10	1-825440-0	341-7827	1.110	0.920	0.830	0.790
2 x 50	5-825440-0	341-7839	4.090	3.380	3.230	3.010

Ampmodu II 90° Headers

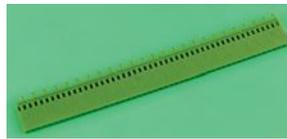


- Male connector strip, Economy Line right angled
- 2-50 way
- Single and double row
- 2.54 mm grid with latching studs
- Pin size 0.63 x 0.63 mm

Male connector housing: Polyester, green UL94V-0
 Contact material: CuSn
 Contact surface: Duplex gold plated: contact area 0.8 μm Au on Ni, Solder face 2.5 μm Sn on Ni
 Rated current per contact: 3A
 Test voltage: 2.54mm/1000 V
 Volume resistance: 20 mΩ gold plated, 25 mΩ tinned
 Temperature range: -65°C to +125°C

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Single row						
6	825437-6	341-7888	0.35	0.27	0.25	0.24
10	1-825437-0	341-7920	0.44	0.41	0.36	0.33
50	5-825437-0	341-7931	2.03	1.69	1.59	1.48
Double row						
2 x 3	825457-3	341-7955	0.45	0.42	0.37	0.34
2 x 5	825457-5	341-7979	0.56	0.48	0.44	0.40
2 x 50	5-825457-0	341-8030	3.68	3.00	2.86	2.71

Ampmodu IV/V With Integrated Retention Feature



- Female connector housing for the Ampmodu Economy Line male connector strips
- 2-50 way
- Single and double row
- 2.54 mm grid
- With latching studs
- Pin size 0.63 x 0.63 mm

Male connector housing: Polyester, green UL94V-0
 Contact material: CuSn
 Contact surface: Duplex gold plated: contact area 0.8 μm Au on Ni, Solder face 2.5 μm Sn on Ni
 Rated current per contact: 3A
 Test voltage: 2.54mm/1000 V
 Volume resistance: 20 mΩ gold plated, 25 mΩ tinned
 Temperature range: -65°C to +105°C

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Single row						
2	925369-2	341-8042	0.129	0.118	0.107	0.097
3	925369-3	341-8054	0.134	0.121	0.114	0.106
4	925369-4	341-8066	0.270	0.250	0.220	0.200
5	925369-5	341-8078	0.200	0.193	0.178	0.167
6	925369-6	341-8080	0.210	0.171	0.164	0.151
8	925369-8	341-8108	0.440	0.360	0.330	0.320
10	1-925369-0	341-8121	0.510	0.470	0.440	0.400
50	5-925369-0	341-8133	1.890	1.610	0.950	0.920
Double row						
2 x 2	925370-2	341-8145	0.280	0.260	0.240	0.210
2 x 3	925370-3	341-8157	0.171	0.164	0.155	0.147
2 x 4	925370-4	341-8169	0.500	0.460	0.440	0.400
2 x 5	925370-5	341-8170	0.280	0.270	0.260	0.250
2 x 8	925370-8	341-8200	0.890	0.730	0.680	0.650
2 x 10	1-925370-0	341-8224	1.140	0.910	0.890	0.840
2 x 50	5-925370-0	341-8236	2.420	2.050	1.490	1.460

Ampmodu II Low Cost Line



- Male connector strips, single row
- 2.54 mm grid
- Gold or tin plated
- Pins 0.63 x 0.63 mm

Housing: Polyester, green UL94V-0
 Contact material: CuSn
 Contact surface: Tin plated or selectively gold plated: contact zone 0.8 μm Au on Ni, Solder face 2.5 μm Sn on Ni

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Straight, Gold Plated, 6.7mm contacts						
2	826629-2	341-8285	0.164	0.138	0.109	0.083
3	826629-3	341-8297	0.131	0.106	0.073	0.064
4	826629-4	341-8303	0.260	0.220	0.190	0.158
6	826629-6	341-8327	0.300	0.210	0.192	0.171
8	826629-8	341-8364	0.310	0.260	0.220	0.187
10	1-826629-0	341-8376	0.460	0.390	0.310	0.270
12	1-826629-2	124-8123	0.680	0.590	0.550	0.530
16	1-826629-6	124-8124	0.930	0.810	0.770	0.720
50	5-826629-0	341-8388	2.010	1.670	1.550	1.430
Straight, Tin Plated, 6.7mm contacts						
2	826926-2	124-8140	0.102	0.098	0.089	0.081
3	826926-3	124-8141	0.099	0.094	0.085	0.079
4	826926-4	124-8142	0.110	0.103	0.094	0.087
5	826926-5	124-8143	0.192	0.178	0.164	0.153
6	826926-6	124-8144	0.230	0.220	0.200	0.188
7	826926-7	124-8146	0.270	0.250	0.240	0.220
8	826926-8	124-8147	0.300	0.290	0.270	0.240
9	826926-9	124-8148	0.340	0.310	0.290	0.280
Straight, Tin Plated, 5.8mm contacts						
2	826936-2	124-8149	0.102	0.098	0.089	0.081
3	826936-3	124-8150	0.096	0.091	0.082	0.077
4	826936-4	124-8151	0.118	0.110	0.099	0.092
6	826936-6	124-8153	0.230	0.220	0.200	0.188
7	826936-7	124-8154	0.184	0.168	0.153	0.147
8	826936-8	124-8155	0.300	0.290	0.270	0.240
9	826936-9	124-8156	0.220	0.200	0.192	0.184

2.54mm Pitch Pin Headers and Sockets - continued

Ampmodu II - continued

Low Cost Line - continued

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Right Angled, Gold Plated, 6.7mm contacts						
12	1-826631-2	124-8125	0.740	0.640	0.590	0.570
16	1-826631-6	124-8126	0.950	0.850	0.810	0.760
50	5-826631-0	341-8479	2.260	1.870	1.710	1.620
Right Angled, Tin Plated, 6.7mm contacts						
2	826947-2	124-8166	0.072	0.068	0.062	0.058
3	826947-3	124-8167	0.096	0.090	0.082	0.077
4	826947-4	124-8168	0.160	0.151	0.138	0.127
5	826947-5	124-8171	0.200	0.186	0.170	0.159
6	826947-6	124-8172	0.230	0.220	0.200	0.189
7	826947-7	124-8173	0.280	0.250	0.230	0.210
8	826947-8	124-8174	0.320	0.300	0.270	0.240
9	826947-9	124-8175	0.360	0.330	0.290	0.250
Right Angled, Tin Plated, 5.8mm contacts						
2	826949-2	124-8176	0.067	0.063	0.058	0.054
3	826949-3	124-8177	0.096	0.090	0.082	0.077
4	826949-4	124-8178	0.160	0.151	0.138	0.127
5	826949-5	124-8179	0.200	0.188	0.172	0.161
6	826949-6	124-8180	0.168	0.158	0.146	0.136
7	826949-7	124-8181	0.280	0.250	0.230	0.210
8	826949-8	124-8183	0.320	0.300	0.270	0.240
9	826949-9	124-8184	0.360	0.330	0.290	0.250

Ampmodu II Low Cost Line



- Male connector strip, double row
- 2.54 mm grid
- Gold or tin plated
- Pins 0.63 x 0.63 mm

Housing: Polyester, green UL94V-0
 Contact material: CuSn
 Contact surface: Tin plated or selectively gold plated; contact zone 0.8 µm Au on Ni
 Solder face 2.5 µm Sn on Ni

239158

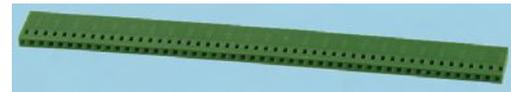
No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Straight, Gold Plated, 6.7mm contacts						
2 x 2	826632-2	341-8480	0.260	0.220	0.195	0.163
2 x 3	826632-3	341-8492	0.200	0.178	0.171	0.152
2 x 5	826632-5	341-8510	0.300	0.260	0.250	0.240
2 x 8	826632-8	341-8546	0.580	0.490	0.460	0.450
2 x 10	1-826632-0	341-8558	0.730	0.610	0.580	0.570
2 x 12	1-826632-2	124-8127	1.230	1.130	1.060	0.990
2 x 16	1-826632-6	124-8128	1.670	1.550	1.420	1.310
2 x 50	5-826632-0	341-8560	3.610	2.990	2.870	2.710
Straight, Tin Plated, 6.7mm contacts						
2 x 2	826925-2	124-8131	0.154	0.142	0.128	0.120
2 x 3	826925-3	124-8132	0.220	0.196	0.179	0.168
2 x 4	826925-4	124-8134	0.240	0.210	0.200	0.191
2 x 5	826925-5	124-8135	0.340	0.320	0.300	0.290
2 x 6	826925-6	124-8136	0.420	0.380	0.350	0.340
2 x 7	826925-7	124-8137	0.400	0.370	0.330	0.310
2 x 8	826925-8	124-8138	0.460	0.430	0.400	0.380
2 x 9	826925-9	124-8139	0.520	0.490	0.420	0.400
Straight, Tin Plated, 5.8mm contacts						
2 x 2	826942-2	124-8158	0.149	0.139	0.125	0.118
2 x 3	826942-3	124-8159	0.220	0.199	0.183	0.171
2 x 4	826942-4	124-8160	0.220	0.210	0.200	0.191
2 x 5	826942-5	124-8161	0.340	0.320	0.300	0.290
2 x 6	826942-6	124-8162	0.410	0.380	0.350	0.340
2 x 7	826942-7	124-8163	0.390	0.370	0.330	0.310
2 x 8	826942-8	124-8164	0.450	0.430	0.400	0.380
2 x 9	826942-9	124-8165	0.400	0.380	0.340	0.310
Right Angled, Gold Plated, 6.7mm contacts						
2 x 5	826634-5	341-8601	0.440	0.360	0.330	0.320
2 x 10	1-826634-0	341-8649	0.780	0.640	0.610	0.580
2 x 24	1-826634-2	124-8129	1.260	1.160	1.100	1.030
2 x 32	1-826634-6	124-8130	1.670	1.560	1.430	1.330
2 x 50	5-826634-0	341-8650	2.720	2.250	2.160	2.030
Right Angled, Tin Plated, 6.7mm contacts						
2 x 2	826953-2	124-8185	0.176	0.164	0.151	0.141
2 x 3	826953-3	124-8186	0.188	0.175	0.161	0.150
2 x 4	826953-4	124-8187	0.250	0.220	0.200	0.189
2 x 5	826953-5	124-8188	0.320	0.300	0.260	0.220
2 x 6	826953-6	124-8189	0.310	0.280	0.270	0.240
2 x 7	826953-7	124-8190	0.470	0.450	0.410	0.370
2 x 8	826953-8	124-8191	0.520	0.500	0.450	0.410
Right Angled, Tin Plated, 5.8mm contacts						
2 x 2	826955-2	124-8193	0.115	0.107	0.099	0.093
2 x 3	826955-3	124-8195	0.195	0.181	0.168	0.156
2 x 4	826955-4	124-8196	0.280	0.260	0.230	0.220
2 x 5	826955-5	124-8197	0.350	0.330	0.300	0.270
2 x 7	826955-7	124-8199	0.460	0.430	0.390	0.360
2 x 8	826955-8	124-8201	0.410	0.390	0.350	0.320

15

Farnell



Ampmodu IV - Receptacle Housing Without Strain Relief



- Female connector housing for the Ampmodu Low cost Line male connector strips
- 2-50 way
- Single and double row
- 2.54 mm grid
- Pin size 0.63 x 0.63 mm

Male connector housing: Polyamide, 6.6 green UL94V-HB
 Solder face 2.5 µm Sn on Ni
 3A
 Rated current per contact: 2.54mm/1000 V
 Test voltage: 20 mΩ gold plated, 25 mΩ tinned
 Volume resistance: -65°C to +105°C
 Temperature range:

413725

No. of Ways	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Single row						
2	925366-2	968-9214	0.147	0.135	0.119	0.108
3	925366-3	968-9222	0.260	0.220	0.210	0.193
4	925366-4	968-9230	0.260	0.210	0.196	0.181
5	925366-5	968-9249	0.310	0.270	0.260	0.220
6	925366-6	968-9257	0.500	0.440	0.420	0.410
7	925366-7	968-9265	0.490	0.460	0.440	0.420
10	1-925366-0	968-9281	0.550	0.480	0.470	0.450
50	5-925366-0	968-9290	1.950	1.730	1.660	1.580
Double Row						
2 x 2	925367-2	968-9303	0.139	0.135	0.132	0.128
2 x 3	925367-3	968-9311	0.350	0.330	0.320	0.310
2 x 5	925367-5	968-9338	0.680	0.590	0.560	0.540
2 x 6	925367-6	968-9346	0.580	0.520	0.500	0.480
2 x 7	925367-7	968-9354	0.630	0.590	0.560	0.540
2 x 8	925367-8	968-9362	0.460	0.450	0.430	0.420
2 x 10	1-925367-0	968-9370	1.130	1.010	0.980	0.930

Crimp Terminals for 'MODU'



9689397

Wire Size (AWG)	Wire Size (mm ²)	Mftrs. List No.	Order Code
26-26	0.12-0.14	141603-3	968-9397
32-28	0.032-0.09	167024-2	968-9427
32-28	0.032-0.09	167024-1	968-9419
26-26	0.12-0.14	141708-1	341-8248
26-26	0.12-0.14	1-0141708-2	968-9435
26-26	0.12-0.14	166310-2	968-9443
26-26	0.12-0.14	166310-3	968-9451

Order Multiple=10	STD Contact Pressure	Order Code	Price Each		
			10+	500+	1K+
Gold Flash		968-9397	0.360	0.340	0.300
Intermediate Contact Pressure					
Gold Flash		968-9427	0.360	0.340	0.300
Gold Flash		968-9419	0.350	0.310	0.270
Gold Flash		341-8248	0.182	0.169	0.159
Gold Flash		968-9435	0.200	0.187	0.166
High Contact Pressure					
Gold Flash		968-9443	0.200	0.186	0.157
Tin		968-9451	0.147	0.130	0.117

413727

	Mftrs. List No.	Order Code	Price Each
Handtool	169481-1..	348-3885	173.00
Extraction tool	843473-1	348-3897	12.51

AMP MODU

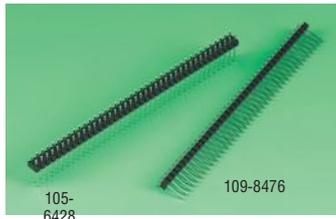


- An interconnect system utilising a modular concept
- Precision formed crimp contacts and headers on 2.54mm pitch
- Unshrouded breakaway headers, snap-in crimp contact housing and shrouded headers
- Offers a reliable solution to most board to wire interconnection
- Approvals, CSA
- UL recognised

Current rating: 3A
 Insulation resistance: 500Mohm
 Temperature range: -65°C to +105°C
 Black thermoplastic Header Post: Black Thermoplastic UL94V-0 Phosphor bronze, tin over nickel plating
 Shrouded Header: Phosphor Bronze Tin plating in contact area

209469

Unshrouded Breakaway Headers

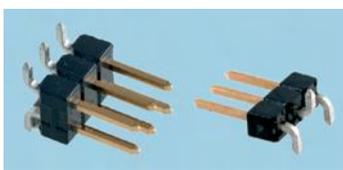


PCB hole dia.=0.89 ±0.08

209470

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+	1K+
Straight Single Row							
36	8-146274-6	105-6427●	1.56	1.40	1.37	1.22	1.17
40	4-103321-8	109-8454●	1.77	1.60	1.54	1.42	1.37
Straight Double Row							
36+36	8-146250-6	105-6428●	1.93	1.69	1.64	1.49	1.41
40+40	4-103322-2	109-8460●	2.99	2.69	2.61	2.39	2.26
90° Single Row							
36	8-103323-6	105-6429●	2.73	2.48	2.42	2.18	2.08
40	4-103323-1	109-8476●	1.95	1.70	1.67	1.52	1.47
90° Double Row							
36+36	8-103324-6	105-6430●	3.13	2.80	2.69	2.46	2.34
40+40	9-103324-0	105-6023●	3.51	3.15	3.06	2.81	2.68

Mod II - Surface Mount Pin Headers



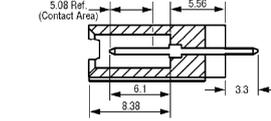
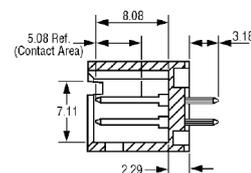
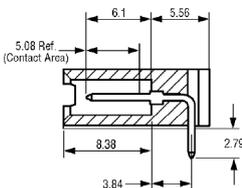
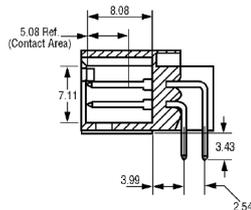
- Male connector strip, single and double row
- 2.54 mm grid
- Pins 0.63 x 0.63 mm
- Supplied with pick and place adaptor
- End stackable

Housing: PCT Polyester black
 Contact material: Phosphor bronze
 Contact surface: Selectively gold plated; contact zone 0.8 µm Au on Ni, Solder face 2.5 µm Sn on Ni

413734

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
Single Row						
3	1241150-3	968-9478● RL	0.58	0.54	0.52	0.50
4	1241150-4	968-9486● RL	0.63	0.58	0.56	0.54
5	1241150-5	968-9494● RL	0.71	0.66	0.64	0.62
6	1241150-6	968-9508● RL	0.91	0.84	0.81	0.79
7	1241150-7	968-9516● RL	1.12	1.04	0.99	0.96
8	1241150-8	968-9524● RL	1.18	1.10	1.06	1.01
9	1241150-9	124-8117●	1.07	0.88	0.86	0.84
10	1-1241150-0	968-9532● RL	1.16	1.08	1.03	0.99
12	1-1241150-2	968-9540● RL	1.45	1.36	1.29	1.22
Double Row						
2 x 2	1241050-2	968-9559● RL	0.65	0.62	0.60	0.56
2 x 3	1241050-3	968-9567● RL	0.64	0.60	0.58	0.56
2 x 4	1241050-4	968-9575● RL	0.85	0.79	0.76	0.70
2 x 5	1241050-5	968-9583● RL	0.77	0.70	0.68	0.66
2 x 6	1241050-6	968-9591● RL	1.05	0.98	0.93	0.90
2 x 7	1241050-7	968-9605● RL	1.14	1.06	1.01	0.98
2 x 8	1241050-8	968-9613● RL	1.22	1.14	1.08	1.04
2 x 10	1-1241050-0	968-9621● RL	1.28	1.17	1.13	1.09
2 x 9	1241050-9	124-8116●	1.12	0.94	0.92	0.90
2 x 12	1-1241050-2	968-9630● RL	4.04	3.74	3.58	3.44

Standard Shrouded Headers

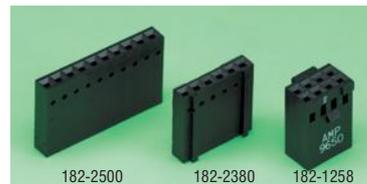


- Available with standoffs (single row) and detent window (double row)
- A plating = 30µ gold on contact area
B plating = 15µ gold on contact area

209471

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+	1K+
Straight Single Row - with stand offs - A plating							
3	5-103414-1	105-6042●	1.03	0.90	0.88	0.81	0.77
4	5-103414-2	105-6043●	1.08	0.96	0.92	0.87	0.81
6	5-103414-4	105-6044●	1.18	1.04	1.01	0.94	0.88
8	5-103414-6	105-6045●	1.28	1.13	1.09	1.02	0.95
10	5-103414-8	105-6046●	1.47	1.34	1.30	1.18	1.12
12	6-103414-0	105-6047●	1.79	1.61	1.58	1.44	1.37
Straight Single Row - with stand offs - B plating							
3	8-102202-4	105-6024●	0.98	0.88	0.85	0.77	0.71
4	5-102202-1	105-6026●	0.91	0.80	0.76	0.70	0.66
6	5-102202-3	105-6027●	1.11	0.99	0.97	0.91	0.87
8	5-102202-5	105-6431●	1.27	1.13	1.08	0.99	0.95
10	5-102202-7	105-6432●	1.16	1.04	1.01	0.93	0.90
12	5-102202-9	105-6022●	1.62	1.45	1.41	1.29	1.22
90° Single Row - with stand offs - A plating							
3	5-103361-1	105-6048●	1.00	0.89	0.86	0.81	0.73
4	5-103361-2	105-6051●	1.07	0.95	0.91	0.86	0.81
6	5-103361-4	105-6052●	1.16	1.06	1.02	0.95	0.90
8	5-103361-6	105-6053●	1.34	1.15	1.11	1.03	0.96
10	5-103361-8	105-6054●	1.46	1.33	1.29	1.17	1.11
90° Single Row - with stand offs - B plating							
3	3-102203-9	109-8477●	1.03	0.93	0.91	0.80	0.77
4	3-102203-7	109-8777●	1.06	0.94	0.92	0.83	0.79
8	5-102203-5	105-6028●	1.52	1.34	1.27	1.16	1.11
10	5-102203-7	105-6433●	1.65	1.52	1.49	1.37	1.29
Straight Double Row - with detent window - A plating							
2x3	5-103168-1	105-6056●	1.96	1.76	1.71	1.58	1.46
2x4	5-103168-2	105-6057●	2.03	1.78	1.69	1.57	1.48
2 x 5	5-103168-3	105-6058●	2.34	2.09	1.99	1.83	1.73
2 x 6	5-103168-4	105-6059●	2.22	1.99	1.90	1.73	1.61
2x8	5-103168-6	105-6060●	2.44	2.15	2.09	1.96	1.83
Straight Double Row - with detent window - B plating							
2 x 3	5-102618-1	105-6435●	1.78	1.60	1.55	1.41	1.31
2 x 4	5-102618-2	105-6436●	1.71	1.52	1.49	1.37	1.31
2 x 5	5-102618-3	105-6437●	2.03	1.81	1.78	1.63	1.54
2 x 6	5-102618-4	105-6021●	1.93	1.72	1.66	1.53	1.47
90° Double Row - with detent window - A plating							
2x3	5-103166-1	105-6061●	2.57	1.60	1.57	1.43	1.33
2x4	5-103166-2	105-6063●	2.03	1.78	1.69	1.57	1.48
2 x 5	5-103166-3	105-6064●	2.00	1.79	1.72	1.60	1.52
2x6	5-103166-4	105-6065●	1.79	1.60	1.44	1.35	1.27
90° Double Row - with detent window - B plating							
2 x 3	5-102617-1	105-6033●	1.62	1.46	1.42	1.28	1.21
2 x 5	5-102617-3	105-6439●	2.08	1.82	1.77	1.61	1.51
2 x 6	5-102617-4	105-6441●	2.11	1.88	1.83	1.68	1.61

Crimp Housings



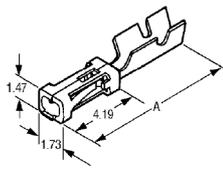
- Non-polarised for use with unshrouded headers

219778

No. of Ways	Mftrs. List No.	Order Code	1+	50+	100+	500+	1K+
Single Row - non-polarised							
2	87499-3	183-3200●	0.70	0.62	0.61	0.56	0.55
3	87499-5	183-3212●	0.79	0.66	0.65	0.62	0.59
4	87499-7	183-3224●	0.83	0.77	0.73	0.66	0.64
6	1-87499-1	183-3248●	0.88	0.79	0.75	0.69	0.67
8	1-87499-3	183-3250●	0.94	0.84	0.83	0.77	0.71
10	1-87499-7	182-2500●	1.00	0.88	0.87	0.80	0.76
12	2-87499-1	182-2512●	1.16	1.02	0.99	0.89	0.86
Double Row - non-polarised							
2 x 2	5-87456-0	973-257●	0.85	0.79	0.72	0.65	0.63
2 x 3	87456-2	182-0023●	0.92	0.83	0.80	0.72	0.69
2 x 4	87456-4	973-269●	1.09	0.95	0.91	0.85	0.82
2 x 5	87456-6	182-0047●	1.55	1.39	1.37	1.26	1.19
2 x 6	87456-8	973-270●	1.71	1.52	1.47	1.35	1.27
2 x 8	1-87456-2	973-282●	2.32	2.10	2.03	1.88	1.79
Single Row - centre polarised/detent							
3	102241-1	182-2573●	0.50	0.46	0.45	0.42	0.41
4	102241-2	182-2585●	0.53	0.48	0.47	0.45	0.42
6	102241-4	182-2380●	0.53	0.49	0.48	0.47	0.44
8	102241-6	182-2408●	0.70	0.57	0.56	0.54	0.53
10	102241-8	182-2421●	0.65	0.60	0.59	0.51	0.49
12	1-102241-0	182-2433●	0.75	0.67	0.65	0.61	0.60
Double Row - end polarised/detent							
2 x 3	87631-2	182-1246●	0.95	0.83	0.79	0.73	0.70
2 x 4	87631-4	182-1258●	0.94	0.86	0.84	0.73	0.70
2 x 5	87631-6	182-1260●	1.19	1.05	1.03	0.94	0.90
2 x 6	87631-8	182-1179●	1.31	1.17	1.13	1.03	1.01
2 x 8	1-87631-2	182-1192●	1.23	1.13	1.08	0.97	0.93

2.54mm Pitch Pin Headers and Sockets - continued

Crimp Terminals for 'MODU'



● Tin and gold versions

Wire Size (AWG)	Wire Size (mm ²)	Dimension 'A' (mm)	Mftrs. List No.	Order Code
26-22	0.12-0.4	11.3	87756-7	182-3218
26-22	0.12-0.4	11.3	87667-5	973-294
24-20	0.2-0.6	11.94	87523-6	182-5446
24-20	0.2-0.6	11.94	86016-5	973-300
26-22	0.12-0.4	11.3	102128-2	308-8480
24-20	0.2-0.6	11.3	1-87309-3	308-8509
26-22	0.12-0.4	11.3	102128-1	105-6066
24-20	0.2-0.6	11.3	1-87309-4	308-8510

219780

Order Multiple=10 STD Pressure	Order Code	Price Each				
		10+	50+	1K+	5K+	10K+
Tin plated	182-3218	0.149	0.141	0.134	0.126	0.118
Gold	973-294	0.350	0.310	0.240	0.230	0.220
Tin plated	182-5446	0.187	0.174	0.164	0.152	0.139
Gold	973-300	0.290	0.270	0.260	0.240	0.200
High Pressure						
Tin plated	308-8480	0.240	0.194	0.184	0.170	0.157
Gold	105-6066	0.590	0.460	0.450	0.440	0.390
Tin plated	308-8509	0.300	0.240	0.210	0.200	0.186
Gold	308-8510	0.660	0.510	0.500	0.470	0.420

Tooling for 'MODU'



209474

Wire Size AWG	Mftrs. List No.	Order Code	Price Each
22-26	91517-1	427-6310	360.39
20-24	91516-1	427-6322	339.77
Extraction Tool	166645-1	962-9688	67.26

SDE Die and Tooling options available see Page 1625

Shrouded Headers - MODU II Straight and 90°



Straight Header (968-8714)



90° Header (120-6792)

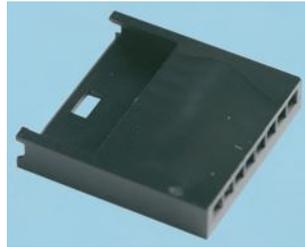
- Single or double row configuration
- Positive click for latching
- Housings are black thermoplastic, flame retardant 94V-0 rated

- Tin or gold plated contacts
- Pins 0.63 x 0.63 mm, 2.54mm pitch

373497

No. of Ways	Mftrs. List No	Order Code	1+	10+	50+	100+
Headers with Tin Plated Contacts						
Single Row - Straight						
4	280371-1	120-6769	0.43	0.41	0.39	0.35
6	280372-1	120-6770	0.56	0.51	0.49	0.47
8	280373-1	120-6772	0.75	0.68	0.66	0.64
12	280520-1	968-8722	1.10	1.03	0.99	0.96
15	280375-1	968-8749	1.20	1.09	1.01	0.94
Single Row - 90°						
12	280523-1	968-8773	1.03	0.96	0.92	0.89
Double Row - Straight						
4 x 2	280384-1	120-6773	0.56	0.52	0.50	0.48
15 x 2	280387-1	968-8757	1.72	1.60	1.53	1.47
Headers with 0.4µm Gold Plated Contacts						
Single Row - Straight						
2	280370-2	120-6774	0.35	0.32	0.29	0.27
4	280371-2	120-6775	0.76	0.66	0.61	0.55
6	280372-2	120-6776	0.76	0.65	0.60	0.53
8	280373-2	120-6777	1.55	1.35	1.22	1.10
10	280374-2	120-6778	0.78	0.71	0.67	0.65
12	280520-2	968-8714	1.70	1.57	1.46	1.39
15	280375-2	968-8730	1.65	1.52	1.43	1.35
Single Row - 90°						
2	280377-2	120-6787	0.41	0.37	0.34	0.30
4	280378-2	120-6788	0.71	0.64	0.59	0.53
8	280380-2	120-6789	0.40	0.39	0.38	0.37
Double Row - Straight						
4 x 2	280384-2	120-6779	1.01	0.91	0.82	0.72
8 x 2	280385-2	120-6780	1.44	1.28	1.15	1.03
9 x 2	280509-2	120-6781	2.47	2.30	2.17	1.97
12 x 2	280521-2	120-6782	3.07	2.71	2.45	2.21
15 x 2	280387-2	968-8765	3.63	3.37	3.23	3.10
Double Row - 90°						
4 x 2	280389-2	120-6790	1.15	1.01	0.92	0.84
8 x 2	280390-2	120-6791	1.69	1.50	1.35	1.22
12 x 2	280522-2	120-6792	2.45	2.14	1.95	1.74
15 x 2	280392-2	968-8820	2.26	2.07	1.87	1.78

Crimp Housings - MODU II Wire to Wire or Wire to Board



Pin Housing Single Row (818-0067)



Receptacle Housing, Double Row (818-0016)

- Wire to wire (pin housing and Receptacle housing) or wire to board (pin housing and header) options
- Single or double row configuration
- Positive click for latching
- Housings are black thermoplastic, flame retardant 94V-0 rated
- Tin or gold plated contacts
- 0.63 x 0.63 mm, 2.54mm pitch

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
Pin Housing, Single Row						
2	280628	818-0032	0.430	0.410	0.380	0.360
4	280629	818-0040	0.450	0.430	0.410	0.380
6	280630	818-0059	0.510	0.480	0.470	0.450
8	280631	818-0067	0.610	0.570	0.550	0.530
10	280633	818-0075	0.530	0.490	0.470	0.460
Pin Housing, Double Row						
4 x 2	280637	818-0083	0.570	0.540	0.510	0.490
8 x 2	280638	818-0091	0.550	0.510	0.490	0.470
Receptacle Housing, Single Row						
2	280358	817-9930	0.107	0.096	0.093	0.090
4	280359	817-9948	0.148	0.134	0.128	0.122
6	280360	817-9956	0.200	0.182	0.173	0.164
8	280361	817-9964	0.280	0.260	0.250	0.220
10	280362	817-9972	0.153	0.136	0.130	0.124
12	280514-0	968-8684	0.390	0.350	0.320	0.280
15	280363	968-8692	0.420	0.370	0.350	0.320
Receptacle Housing, Double Row						
4 x 2	280365	817-9980	0.300	0.280	0.270	0.260
8 x 2	280366	817-9999	0.470	0.440	0.420	0.400
9 x 2	280513	818-0008	0.460	0.430	0.420	0.400
12 x 2	280515	818-0016	0.450	0.410	0.400	0.380
15 x 2	280368	968-8706	0.560	0.500	0.470	0.440

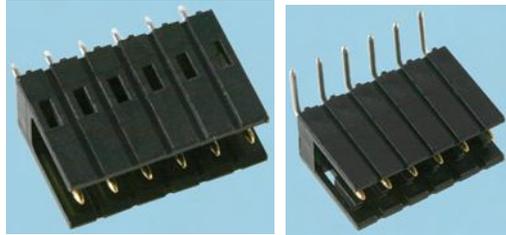
373508

Contacts	Mftrs. List No.	Order Code	10+	50+	100+	500+	
Contact, Tin Plated							
Male	26-22	1-86561-0	818-0148	0.380	0.350	0.320	0.280
Female	26-22	182206-2	818-0121	0.061	0.058	0.055	0.051

Contact, Gold Plated							
Male	26-22	86561-6	818-0130 ●	0.590	0.510	0.480	0.430
Female	26-22	181270-1	818-0113 ●	0.380	0.330	0.300	0.280
Female	26-22	181270-3	968-8839 ●	0.310	0.260	0.210	0.200
Female	26-22	181270-4	968-8846 ●	0.350	0.310	0.280	0.260
				1+			

Tooling			
Hand Tool with Die (AWG26-22)	58535-1	818-0156	302.540
Extraction-Tool	91092-1	818-0199	4.350

SMT Compatible Shrouded Headers - MODU II Tyco Electronics
Straight and 90°



Straight Header (9688900)

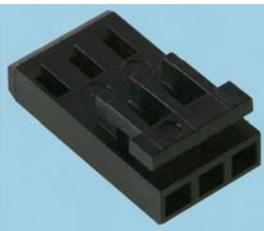
90° Header (9689001)

- Mates with Black Modu IV Receptacle Housings
- Single or double row configuration
- Housings are black polyester for high operating temp. (PCT)
- Gold plated contacts
- Pins 0.63 x 0.63 mm, 2.54mm pitch

413715

No. of Ways	Mfrs. List No	Order Code	1+	10+	50+	100+
Single Row - Straight						
3	826467-3	968-8870 ●	0.50	0.48	0.45	0.41
4	826467-4	968-8889 ●	0.57	0.52	0.50	0.46
5	826467-5	968-8897 ●	0.71	0.67	0.61	0.55
6	826467-6	968-8900 ●	1.05	0.99	0.91	0.84
8	826467-8	968-8919 ●	1.04	0.98	0.92	0.83
Double Row - Straight						
2 x 3	826469-3	968-8927 ●	0.94	0.87	0.84	0.75
2 x 4	826469-4	968-8935 ●	0.89	0.84	0.79	0.71
2 x 5	826469-5	968-8943 ●	1.36	1.30	1.20	1.09
2 x 6	826469-6	968-8951 ●	1.81	1.68	1.60	1.46
2 x 8	826469-8	968-8960 ●	1.23	1.16	1.08	0.99
2 x 10	1-826469-0	124-8120 ●	1.81	1.67	1.63	1.59
Single Row - 90°						
3	826468-3	968-8978 ●	0.44	0.41	0.38	0.36
4	826468-4	968-8986 ●	0.38	0.36	0.34	0.31
5	826468-5	968-8994 ●	0.53	0.50	0.47	0.45
6	826468-6	968-9001 ●	0.62	0.58	0.56	0.54
Double Row - 90°						
2 x 3	826470-3	968-9028 ●	0.97	0.92	0.86	0.79
2 x 5	826470-5	968-9044 ●	1.12	1.04	1.00	0.97
2 x 10	1-826470-0	124-8122 ●	1.96	1.66	1.64	1.59

Receptacle Housing - MODU IV Tyco Electronics
Single and Double Row



- Mates with Surface Mount compatible headers
- Single or double row configuration
- Housings are black polyester (PBT)
- For suitable contacts see Green MODU II section
- 2.54mm pitch

For suitable contact, please see order code 968-9397 to 968-9451

413722

No. of Ways	Mfrs. List No	Order Code	1+	10+	50+	100+
Single Row						
3	926475-3	968-9079 ●	0.32	0.30	0.28	0.24
4	926475-4	968-9087 ●	0.43	0.40	0.37	0.35
5	926475-5	968-9095 ●	0.38	0.36	0.34	0.31
6	926475-6	968-9109 ●	0.43	0.39	0.38	0.35
Double Row						
2 x 3	926476-3	968-9125 ●	0.56	0.52	0.50	0.45
2 x 5	926476-5	968-9141 ●	0.94	0.89	0.82	0.75
2 x 6	926476-6	968-9150 ●	1.32	1.23	1.15	1.06
2 x 8	926476-8	968-9168 ●	1.11	1.02	0.96	0.88
Accessories						
Retention Fork						
Black	926478-1	968-9176 ●	0.35	0.33	0.32	0.27
Red	926478-3	968-9184 ●	0.35	0.32	0.30	0.26

"Locking-Clip"
Housing and Contacts



Housing (818-0245)



Contact "Locking Clip" (139-5300)



Extraction Tool (818-0202)

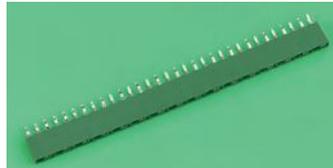
- Self-retaining contacts provide permanent connection with quick connect and disconnect
- Fast, easy installation with no additional locking hardware required
- Single- and double-row configurations up to 10 positions
- Thermoplastic housing to UL94V-0
- 2.54mm pitch
- Mates with AMP MODU headers
- UL recognised, CSA Approved

No of Ways	Mfrs List No	Order Code	1+	10+	50+	100+
Housing, Single Row						
1	926010-1	818-0210 ●	3.970	3.660	3.580	3.420
2	926657-2	818-0229 ●	0.400	0.380	0.370	0.350
4	926657-4	818-0245 ●	0.550	0.510	0.490	0.460
6	926657-6	124-8211 ●	0.620	0.550	0.520	0.440
Housing, Double Row						
3 x 2	926209-3	818-0261 ●	0.620	0.580	0.550	0.530
4 x 2	926209-4	869-2998 ●	0.900	0.840	0.800	0.750
6 x 2	926209-6	124-8210 ●	0.880	0.780	0.700	0.630
Polarising Key						
-	926329-1	818-0288 ●	0.142	0.126	0.113	0.100

373525

		AWG	Mfrs List No	Order Code	10+	50+	100+	500+
Contacts and Tooling								
Contacts, Gold Plated								
Female	30-28	87191-1	151-5585 ●		0.77	0.67	0.62	0.53
Female	26-22	87165-1	818-0172 ●		0.91	0.79	0.70	0.63
Tooling					1+			
Handtool with Die (AWG30-28; 26-22)		656075-1	818-0180		378.67			
Extraction Tool		91084-1	818-0202		28.46			

HV-100



- Female strip connector
- 2.54 mm grid, for arrangement in rows, without any latching loss in the longitudinal direction
- Duplex gold plated
- 0.63 x 0.63 mm pins

Housing: Polyester, green UL94V-0
Contact material: CuSn
Contact surface: Selectively gold plated: contact area 0.8 µm Au on Ni, Solder face 2.5 µm Sn on Ni

239164

* Height 7.0 mm above printed circuit board						
No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
HV-100, insertion direction from above, single row						
2	215297-2	341-9046 ●	0.26	0.24	0.21	0.20
4	215297-4	341-9060 ●	0.32	0.31	0.28	0.27
6	215297-6	341-9083 ●	0.46	0.42	0.41	0.40
8	215297-8	341-9101 ●	0.62	0.58	0.56	0.55
10	1-215297-0	341-9125 ●	0.65	0.60	0.57	0.55
12	1-215297-2	341-9137 ●	0.70	0.65	0.63	0.60
14	1-215297-4	341-9150 ●	0.83	0.67	0.62	0.59
16	1-215297-6	341-9174 ●	0.96	0.90	0.86	0.81
20	2-215297-0	968-8854 ●	1.81	1.67	1.51	1.37
HV-100, insertion direction from above, double row*						
2 x 4	215307-4	341-9204 ●	0.47	0.42	0.41	0.40
2 x 5	215307-5	341-9216 ●	0.49	0.45	0.44	0.43
2 x 6	215307-6	341-9228 ●	0.59	0.55	0.53	0.51
2 x 7	215307-7	341-9230 ●	0.69	0.64	0.61	0.59
2 x 8	215307-8	341-9241 ●	0.64	0.61	0.57	0.55
2 x 10	1-215307-0	341-9265 ●	0.94	0.86	0.83	0.80
2 x 12	1-215307-2	341-9289 ●	1.02	0.95	0.91	0.86
2 x 13	1-215307-3	341-9290 ●	1.26	1.03	0.99	0.93
2 x 40	2-215307-0	968-8862 ●	3.22	3.16	2.85	2.65

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2.54mm Pitch Pin Headers and Sockets - continued

HV-100 - Surface Mount Receptacles

Single and Double Row



- Female connector strip, single and double row
- 2.54 mm grid
- Supplied with pick and place adaptor
- Vertical PCB mount
- Top or bottom entry
- End stackable

Housing: Liquid crystal polymer (LCP), Black, UL94V-0
 Contact material: Phosphor bronze
 Contact surface: Selectively gold plated; contact zone 0.8 µm Au on Ni, Solder face 2.5 µm Sn on Ni

413758

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
Single Row						
3	1241152-3	968-9648●RL	0.92	0.83	0.75	0.71
4	1241152-4	968-9656●RL	0.89	0.83	0.80	0.76
5	1241152-5	968-9664●RL	1.00	0.93	0.89	0.86
6	1241152-6	968-9672●RL	0.87	0.81	0.77	0.73
7	1241152-7	968-9680●RL	1.18	1.10	1.05	0.99
8	1241152-8	968-9699●RL	1.47	1.37	1.30	1.23
10	1-1241152-0	968-9702●RL	1.62	1.51	1.45	1.39
12	1-1241152-2	968-9710●RL	1.87	1.72	1.65	1.58
Double Row						
2 x 2	969973-2	968-9729●RL	0.77	0.72	0.67	0.64
2 x 3	969973-3	968-9737●RL	1.01	0.95	0.90	0.87
2 x 4	969973-4	968-9745●RL	1.09	1.01	0.98	0.95
2 x 5	969973-5	968-9753●RL	1.32	1.22	1.16	1.12
2 x 6	969973-6	968-9761●RL	1.14	1.06	1.02	0.98
2 x 7	969973-7	968-9770●RL	1.72	1.61	1.54	1.46
2 x 8	969973-8	968-9788●RL	1.82	1.68	1.61	1.54
2 x 10	1-969973-0	968-9796●RL	2.41	2.24	2.13	2.04
2 x 12	1-969973-2	968-9800●RL	2.52	2.35	2.24	2.15

CST-100 Crimp Housing



- Single row wire-to-board interconnections
- Able to mate with MTA headers

Spacing: 2.54mm
 Material: Natural, Nylon UL94V-0
 Insulation resistance: 1000 MΩ min
 Temperature range: -55°C to +105°C

219777

Order Multiple=5		Mfrs. List No.	Order Code	Price Each		
No. of ways				5+	50+	1K+
2		770602-2	749-941●	0.175	0.160	0.146
3		770602-3	749-953●	0.200	0.185	0.176
4		770602-4	749-965●	0.220	0.199	0.184
5		770602-5	749-977●	0.195	0.176	0.164
6		770602-6	749-989●	0.210	0.190	0.178
7		770602-7	749-990●	0.210	0.200	0.178
8		770602-8	750-001●	0.196	0.171	0.157
10		1-770602-0	750-025●	0.290	0.270	0.161
12		1-770602-2	750-037●	0.410	0.380	0.220

CST-100 Crimp Terminal



- Tin crimp terminal CST-100 housing

209465

Order Multiple=100		Mfrs. List No.	Order Code	Price Each		
AWG				100+	500+	1K+
22-26	Tin	770666-1	750-050●	0.096	0.080	0.066

Crimp Tool for CST-100 Terminal



209463

Mfrs. List No.	Order Code	Price Each 1+
Crimp Tool		
58517-1	750-062	211.91
Extraction Tool		
91302-1	962-9483	90.10

SDE Die and Tooling options available see Page 1625

Bump Polarised (not IDC)



- Female socket connectors with removable crimp contacts
- Single or twisted pair cable application
- Bump polarised, mates with 0.1" pitch male, with or without latch ejectors

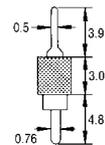
Contact rating: 3A dc, 250Vac
 Voltage rating: 250Vac
 Contact resistance: 20mΩ max.
 Wire Size: 24 - 32 AWG
 Housing: Nylon UL94V-1
 Cover: Nylon 6, UL94V-2
 Contacts: Copper Alloy
 Gold

Mfrs. List No. Connectors = FCN723BOxx2, Covers = FCN720C0xx25 where xx = No. of ways, Crimp tool = FCN723TT007H, Contacts = FCN723J-AUG

209411

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

Single Row Through Header -Turned Pin Contacts



L=50.80 (20 way), 81.28 (32 way)
 W=2.54, H=11.7 (overall), PCB hole dia=1.0

- SIL headers with precision turned brass pins
- Easy snap-off design for required length
- Ideal as through-connector headers or used with SIL sockets, Order Codes 103-963 and 170-715

Pin spacing: 2.54 mm
 Temperature range: -55°C to +150°C
 Housing: Black Glass Filled Polyester UL94V-0
 Contacts: Tin/Lead finish

Mfr. List No. D01-992xx-01, where xx=No. of ways

209415



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No. of Ways	Order Code	1+	25+	100+	500+
20 way	102-2217●	1.86	1.67	1.39	1.16
32 way	102-2218●	2.61	2.31	1.92	1.65

0.1" Pitch Jumper Sockets



- Gold plated
- End and side stackable
- High pressure contact
- Tapered entry for pin insertion
- Open top for test probes

L=6.5, W=5.0, D=2.54

Current rating 1A @ 50°C Insertion/Withdrawal force 12N/1N
 Contact resistance 25mΩ max. Housing Glass Filled Polyester UL94V-0
 Temperature range -40°C to +85°C Contacts Phosphor Bronze, Gold
 Mating cycles 300

209527

Order Multiple=10

Colour	Mfrs. List No.	Order Code	10+	20+	100+	250+	1K+	2K5+
Blue	M7571-05	148-029●	0.310	0.230	0.192	0.165	0.134	0.060
Black	M7567-05	150-410●	0.330	0.250	0.210	0.165	0.134	0.060
Red	M7566-05	150-411●	0.340	0.250	0.210	0.168	0.138	0.063
Light Grey	M7565-05	150-412●	0.330	0.250	0.210	0.165	0.134	0.060

Closed Top Jumper Sockets



W=5.00, D=2.4

- End and side stackable
- Sold in multiples of 10
- 10mm or 14mm size
- Tapered entry for pin insertion
- Flexible handle for ease of location and withdrawal

Current rating 5A Contact Resistance 3mΩ max
 Temperature range -40°C to +85°C Insertion/Withdrawal force 12.5N/5N
 Housing Polyester Contacts Phosphor Bronze, Gold
 Mating cycles 300 Rated Voltage 250AC/DC

227348

Order Multiple=10

Type (mm)	Mfrs. List No.	Order Code	10+	20+	100+	250+	1K+	2K5+
Red 14	M7681-05	321-8442●	0.370	0.260	0.240	0.210	0.173	0.087
Blk 14	M7682-05	321-8454●	0.350	0.260	0.230	0.200	0.170	0.084
Blue 14	M7683-05	321-8466●	0.350	0.260	0.230	0.200	0.170	0.084
Red 10	M7685-05	321-8478●	0.350	0.260	0.230	0.200	0.170	0.084
Blk 10	M7686-05	321-8480●	0.350	0.260	0.230	0.200	0.170	0.084
Blue 10	M7687-05	321-8491●	0.350	0.260	0.230	0.200	0.170	0.084

Header, 50 way
2.54 MSAR Series

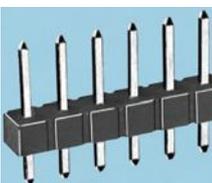


Contact mount: Polyamide, glass-fibre reinforced Volume resistance: ≤10 mΩ
 Contacts: CuZn 37 Rated voltage: 220V
 Grid size: 2.54 Test voltage: ≤2000V_{rms}
 (without printed circuit board)
 Rated current: 5 A

239130

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	500+
2,54 MSAR-1	50	121-2162●	1.38	1.11	1.01	0.88	0.84

Pin Headers, Through Hole / SMT
2.54 mm Grid, Snap-off



- Easy snap-off design for required length with 0.635 mm square pins
- 2.54 mm grid
- Straight and angled versions for solder or SMT mounting
- Single and Dual row versions can be supplied
- Reflow solder compatible

Dimensions: A = Overall Height, B = Board Pin length, C = Mating Pin length

Mfrs. list no.	No. of ways	Contact-plating	Dimensions (mm)			order code
THT/Solder-Versions						
Vertical, Single Row						
SL1.025.36Z	36	Tin	11,2	2,6	5,8	972-9038
SL11 124 36G	36	Gold	12,4	3,0	6,6	972-9062
SL11.139.36Z	36	Tin	13,9	3,0	8,1	972-9160
SLLP1 097/36 Z	36	Tin	9,7	3,0	5,0	972-9119
Vertical, Double Row						
SL2.025.72G	36+36	Gold	11,2	2,6	5,8	972-9070
SL22.124.72 G	36+36	Gold	12,4	3,0	6,6	972-9089
SL22.190.72Z	36+36	Tin	19,0	3,0	13,2	972-9097
SLLP2 112 72Z	36+36	Tin	11,2	3,0	6,5	972-9127
90°C, Single Row						
SL 3.25.36G	36	Gold	4,5	3,0	5,8	972-9100
SMT						
Vertical, Double Row						
SL11 SMD 062.40S	20+20	Gold	-	-	6,7	972-9046
SL11 SMD 062.40Z	20+20	Tin	-	-	6,7	972-9054

Rated Current: 3A Working Temperature: -40°C to +163°C (+260°C 1min.)
 Rated Voltage: 250V AC Material, Isolator: PA 4.6, GF
 Contact Resistance: <5mΩ Flammability: UL94V-0
 Test Voltage: 2000V Material, Contacts: Copper / Tin
 Isolation Resistance: >10¹²Ω Contact Plating: tin or 0,2µm gold

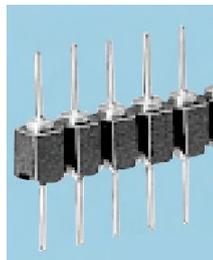
414093

Mfrs. List No.	No. of Ways	Order Code	1+	10+	100+	250+
Vertical, Single Row						
SL1.025.36Z	36	972-9038●	0.85	0.75	0.67	0.61
SL11 124 36G	36	972-9062●	0.92	0.82	0.73	0.67
SL11.139.36Z	36	972-9160●	1.19	1.06	0.96	0.87
SLLP1 097/36 Z	36	972-9119●	1.12	1.00	0.90	0.83
Vertical, Double Row						
SL2.025.72G	36+36	972-9070●	2.37	2.10	1.89	1.72
SL22.124.72 G	36+36	972-9089●	2.40	2.14	1.92	1.75
SL22.190.72Z	36+36	972-9097●	1.90	1.69	1.51	1.39
SLLP2 112 72Z	36+36	972-9127●	2.32	2.05	1.85	1.69
90°, Single Row						
SL 3.25.36G	36	972-9100●	1.47	1.31	1.16	1.06
SMT						
Double Row						
SL11 SMD 062.40S	20+20	SMD 972-9046●	1.45	1.29	1.15	1.05
SL11 SMD 062.40Z	20+20	SMD 972-9054●	1.05	0.94	0.84	0.77

Precision Headers



Solder and Plug-in, Round Pin Ø 0.5 mm



- Easy snap-off design for required length
- Gold-plated connecting pins on both sides, Ø0.5 mm
- 2.54 mm grid
- Straight version
- Plug-in or solder mounting - reflow solder compatible

Rated Current: 1.5A Working Temperature: -40°C to +163°C (+260°C 1min.)
 Rated Voltage: 60V DC Material, Isolator: PA 4.6, GF
 Contact Resistance: <10mΩ Flammability: UL94V-0
 Test Voltage: 1000V Material, Contacts: Copper / Tin
 Isolation Voltage: >10¹²Ω Plating, Contacts: 0,2µm Gold

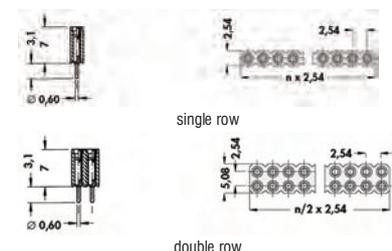
414092

Mfrs. List No.	No. of Ways	Order Code	1+	10+	100+	250+
Single Row MK 05/50G	50	972-9020●	5.36	4.77	4.28	3.90

Precision Sockets



Straight, for 0.635 mm Square Pins and up to Ø0.85 mm Round Pins



- Easy snap-off design for required length
- Separable precision socket strips with galvanized contact sleeve and gold-plated inner

2.54mm Pitch Pin Headers and Sockets - continued

Precision Sockets - continued

Straight, for 0.635 mm Square Pins and up to Ø0.85 mm Round Pins - continued

- spring
- No capillary effect during soldering because the inner contact is protected
- 2.54 mm grid
- Single or double row versions
- Straight versions
- Solder mounting - reflow solder compatible

Rated Current: 3A Working Temperature: -40+163°C to °C
 Rated Voltage: 100V Material, Isolator: PA 4.6, GF
 Contact Resistance: 10<mΩ Flammability: UL94V-0
 Test Voltage: 1500V Material, Contacts: Copper / Tin (contact shell) / CuBe (contact spring)
 Isolation Voltage: >10¹²Ω Plating, Contact: shell tinned - spring gold plated

	No. of Ways	Order Code	Pitch
BL5.36Z	36	972-8910	2.54
BL6.72Z	72	972-8929	2.54

414075

Mfrs. List No.	No. of Ways	Order Code	1+	10+	100+	250+
Single Row						
BL5.36Z	36	972-8910●	3.40	3.03	2.71	2.47
Double Row						
BL6.72Z	72	972-8929●	6.58	5.86	5.25	4.78

Sockets, Top and Bottom Entry

Straight, for 0.635 mm Square Pins



- Socket strips with a spring contact, top and bottom entry
- Easy snap-off design for required length
- 2.54 mm grid
- Straight, single-row version
- Contacts galvanized.
- Reflow solder compatible

Rated Current: 3A Working Temperature: -40°C to +163°C (+260°C 1 min.)
 Rated Voltage: 250V AC Material, Isolator: PA 4.6, GF
 Contact Resistance: <20mΩ Flammability: UL94V-0
 Test Voltage: 500V Material, Contacts: Copper / Tin
 Isolation Resistance: >10¹²Ω Plating, Contacts: Tin

414082

Mfrs. List No.	No. of Ways	Order Code	1+	10+	100+	250+
BL11.254.45Z	45	972-8864●	2.70	2.41	2.16	1.96

Sockets, Top Entry

Straight, for 0.635 mm Square Pins



- Easy snap-off design for required length
- Socket strips with stamped contact springs (fork contact), top entry
- 2.54 mm grid
- Single and dual row versions
- Straight versions, contacts galvanized.
- Solder mounting - not reflow solder compatible

Rated Current: 3A Working Temperature: -40°C to +160°C
 Rated Voltage: 125V Material, Isolator: Polysulfone, GF
 Contact Resistance: <10mΩ Flammability: UL94V-0
 Test Voltage: 1500V Material, Contacts: Copper / Tin
 Isolation Resistance: >10¹²Ω Plating, Contacts: Tin

414058

Mfrs. List No.	No. of Ways	Order Code	1+	10+	100+	250+
Single Row						
BL1.36Z	36	972-8856●	1.68	1.50	1.37	1.22
Double Row						
BL2.72Z	36+36	972-8872●	3.15	2.80	2.53	2.30

Sockets, 90°

90° Angled, for 0.635 mm Square Pins



- Easy snap-off design for required length
- Separable, 90°-angled socket strips with stamped contact spring (fork contact)
- 2.54 mm grid
- Single and dual row versions
- Straight versions, contacts galvanized or gold-plated.

Rated Current: 3A Working Temperature: -40°C to +160°C
 Rated Voltage: 125V Material, Isolator: Polysulfone, GF
 Contact Resistance: <10mΩ Flammability: UL94V-0
 Test Voltage: 1500V Material, Contacts: Copper / Tin
 Isolation Resistance: >10¹²Ω Plating, Contact: Tin or Gold

414059

Mfrs. List No.	No. of Ways	Order Code	1+	10+	100+	250+
Single Row, Tin Plated Contacts						
BL3.36Z	36	972-8880●	2.15	1.92	1.70	1.55
Double Row, Tin Plated Contacts						
BL4.72Z	36+36	972-8902●	4.11	3.65	3.30	3.00
Double Row, Gold Plated Contacts						
BL4.72G	36+36	972-8899●	4.37	3.87	3.48	3.18

Multilayer Precision Sockets

Straight, For Round Pins up to 0.56 mm



- Easy snap-off design for required length
- For multilayer boards with galvanized contact sleeve and gold-plated inner spring
- Protected inner contact ensures no capillary effect when soldered
- 2.54 mm grid
- Dual or single row versions
- Straight versions
- Solder mounting - Reflow solder compatible

Rated Current: 1.5A Working Temperature: -40°C to +163°C (+260°C 1 min.)
 Rated Voltage: 60V DC Material, Isolator: PA 4.6, GF
 Contact Resistance: <10mΩ Flammability: UL94V-0
 Test Voltage: 1000V Material, Contacts: Copper / Tin (shell)/CuBe (spring)
 Isolation Resistance: >10¹²Ω Plating, Contact: shell: tinned - spring: gold plated

414091

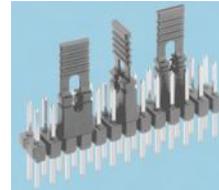
Mfrs. List No.	No. of Ways	Order Code	1+	10+	100+	250+
Single Row						
MK01/50 Z	50	132-2595●	2.29	2.02	1.82	1.64
Double Row						
MK201/100Z	50+50	132-2596●	4.19	3.73	3.36	3.06

Shorting Links

2.54 mm Pitch



972-8953



972-8996

- Shorting links for 2.54 mm male connector strips
- Suitable for wire-wrap pins of 0.6-0.64 mm and for round pins 0.6-0.7 mm
- The gold-plated contact springs each short 2 pins
- For mounting one behind the other or alongside one another

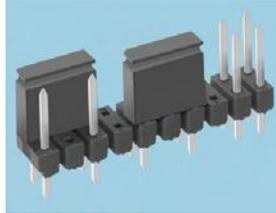
Mfrs. List No.	Type	Contact-Plating	Colour	Dimensions mm (LxWxH)	Order Code
CAB 4 GR	closed	Gold	Red	5x2.4x6.5	972-8961
CAB 4 GS			Black		972-8970
CAB6.05 G S	open, suitable for miniature test probes	Gold	Black	5x2.5x4	972-8953
CAB 9 GS	open, with handle	Gold	Black	5x2.4x13.5	972-8996

414084

Order Multiple=10		Price Each			
Mfrs. List No.	Order Code	10+	50+	100+	250+
CAB 4 GR	972-8961●	0.098	0.097	0.083	0.068
CAB 4 GS	972-8970●	0.098	0.097	0.083	0.068
CAB6.05 G S	972-8953●	0.250	0.220	0.192	0.166
CAB 9 GS	972-8996●	0.750	0.660	0.600	0.530

Shorting Links

5.08 mm Pitch



- Shorting links for 5.08 mm male connector strips
- Suitable for wire-wrap pins of 0.6-0.64 mm and for round pins 0.6-0.7 mm
- The tinned contact springs each short 2 pins
- Mounting one behind the other or alongside one another possible



Mfrs. List No.	Version	Contact-Plating	Colour	Dimensions mm (LxWxH)	Order Code
CAB 5 ZR	closed, hole for probe trip	Tin	Red	7.5x2.5x6.5	972-8988

414087

Order Multiple=10		Price Each			
Mfrs. List No.	Order Code	10+	50+	100+	250+
CAB 5 ZR	972-8988●	0.159	0.146	0.135	0.109

Interconnect Strips

BBL, BBS series



Low Profile

Standard Profile



- Standard (BBS) and low profile designs (BBL) available
- Low profile design achieves 3.89mm board spacings when mated with SL series
- Three profile heights to chose from - BBS - 5.33mm, BBL - 1.78mm and 2.16mm
- These interconnect strips approach the reliability of a permanent connection with the flexibility of a separable connection
- Pitch = 2.54mm
- Mates with Samtec's SDL, SL, and SS series

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Glass Filled Polyester	Phosphor Bronze	Gold	1A	-55°C to +125°C

527195

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Profile Height - 1.78mm							
BBL-102-G-E	2	166-7411●	0.45	0.42	0.35	0.26	0.21
BBL-104-G-E	4	166-7432●	0.90	0.84	0.69	0.52	0.43
BBL-106-G-E	6	166-7434●	1.36	1.26	1.04	0.78	0.64
BBL-108-G-E	8	166-7436●	1.81	1.68	1.38	1.04	0.85
BBL-110-G-E	10	166-7438●	2.26	2.10	1.73	1.31	1.07
BBL-112-G-E	12	166-7442●	3.50	2.95	2.43	1.82	1.49
BBL-114-G-E	14	166-7444●	3.75	3.17	2.61	1.95	1.59
BBL-116-G-E	16	166-7446●	4.00	3.38	2.78	2.08	1.70
BBL-118-G-E	18	166-7448●	4.26	3.59	2.96	2.22	1.81
BBL-120-G-E	20	166-7450●	4.51	3.81	3.13	2.35	1.91
BBL-132-G-E	32	166-7453●	4.87	3.40	2.81	2.44	2.24
Profile Height - 2.16mm							
BBL-102-G-F	2	166-7431●	0.47	0.44	0.36	0.27	0.22
BBL-104-G-F	4	166-7433●	0.94	0.87	0.72	0.54	0.45
BBL-106-G-F	6	166-7435●	1.41	1.31	1.08	0.82	0.67
BBL-108-G-F	8	166-7437●	1.88	1.75	1.44	1.09	0.89
BBL-110-G-F	10	166-7441●	2.35	2.19	1.80	1.36	1.11
BBL-112-G-F	12	166-7443●	3.60	3.04	2.50	1.88	1.53
BBL-114-G-F	14	166-7445●	3.87	3.27	2.69	2.01	1.64
BBL-116-G-F	16	166-7447●	4.14	3.49	2.88	2.15	1.76
BBL-118-G-F	18	166-7449●	4.40	3.72	3.06	2.29	1.87
BBL-120-G-F	20	166-7451●	4.67	3.94	3.25	2.43	1.98
BBL-132-G-F	32	166-7454●	5.07	3.55	2.93	2.54	2.33
Profile Height - 5.33mm							
BBS-102-G-A	2	166-7455●	0.45	0.42	0.35	0.26	0.21
BBS-104-G-A	4	166-7456●	0.90	0.84	0.69	0.52	0.43
BBS-106-G-A	6	166-7457●	1.36	1.26	1.04	0.78	0.64
BBS-108-G-A	8	166-7458●	1.81	1.68	1.38	1.05	0.86
BBS-110-G-A	10	166-7459●	2.26	2.10	1.73	1.31	1.07
BBS-112-G-A	12	166-7460●	2.73	2.54	2.09	1.58	1.29
BBS-114-G-A	14	166-7461●	3.18	2.95	2.43	1.84	1.50
BBS-116-G-A	16	166-7462●	3.63	3.37	2.77	2.09	1.71
BBS-118-G-A	18	166-7463●	4.07	3.78	3.11	2.35	1.92
BBS-120-G-A	20	166-7465●	4.54	4.22	3.47	2.62	2.15
BBS-132-G-A	32	166-7466●	4.87	3.40	2.81	2.44	2.24

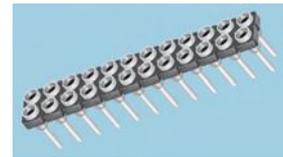
£ € **40,000 PRICES REDUCED**

Low Profile Socket Strips

SL, SDL series



SL



SDL



- Option for low profile or micro socket
- Achieve low profile without sacrificing insertion depth
- Exceptionally low profile, down to 2.41mm off of board
- Profile Height - 2.41mm (Micro Socket) / 3.10mm (Low Profile)
- Single and double row available
- Hollow leg
- Pitch 2.54mm
- Pitch row - 2.54mm (SDL)
- SL mates with Samtec's TS, BBS and BBL series
- SDL mates with Samtec's TD series

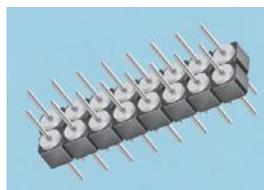
Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Glass Filled Polyester	Beryllium Copper	Gold	1A	-55°C to 125°C

527377

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Low Profile							
SL-102-T-10	2	166-8056●	0.25	0.21	0.17	0.13	0.11
SL-104-T-10	4	166-8058●	0.50	0.41	0.34	0.26	0.21
SL-106-T-10	6	166-8060●	0.75	0.62	0.52	0.39	0.32
SL-108-T-10	8	166-8062●	1.00	0.83	0.69	0.52	0.43
SL-110-T-10	10	166-8064●	1.25	1.03	0.86	0.65	0.53
SL-112-T-10	12	166-8066●	1.50	1.24	1.03	0.78	0.64
SL-114-T-10	14	166-8069●	1.75	1.45	1.21	0.91	0.75
SL-116-T-10	16	166-8071●	2.00	1.66	1.38	1.03	0.85
SL-118-T-10	18	166-8073●	2.27	1.88	1.57	1.18	0.97
SL-120-T-10	20	166-8075●	2.51	2.08	1.74	1.30	1.07
SL-122-T-10	22	166-8077●	2.76	2.29	1.90	1.43	1.18
SL-124-T-10	24	166-8081●	3.01	2.49	2.08	1.56	1.28
SL-126-T-10	26	166-8083●	3.25	2.69	2.24	1.68	1.39
SL-128-T-10	28	166-8085●	3.52	2.91	2.43	1.82	1.50
SL-130-T-10	30	166-8087●	3.76	3.12	2.60	1.95	1.60
SL-132-T-10	32	166-8089●	3.40	2.82	2.35	1.76	1.45
Single Row, Micro Socket							
SL-102-T-12	2	166-8057●	0.31	0.26	0.21	0.16	0.13
SL-104-T-12	4	166-8059●	0.62	0.51	0.43	0.32	0.26
SL-106-T-12	6	166-8061●	0.93	0.77	0.64	0.48	0.40
SL-108-T-12	8	166-8063●	1.24	1.03	0.85	0.64	0.53
SL-110-T-12	10	166-8065●	1.55	1.28	1.07	0.80	0.66
SL-112-T-12	12	166-8068●	1.86	1.54	1.28	0.96	0.79
SL-114-T-12	14	166-8070●	2.17	1.80	1.50	1.12	0.92
SL-116-T-12	16	166-8072●	2.49	2.07	1.72	1.29	1.06
SL-118-T-12	18	166-8074●	2.80	2.32	1.94	1.45	1.20
SL-120-T-12	20	166-8076●	3.09	2.56	2.14	1.60	1.32
SL-122-T-12	22	166-8078●	3.40	2.82	2.35	1.76	1.45
SL-124-T-12	24	166-8082●	3.72	3.08	2.57	1.92	1.59
SL-126-T-12	26	166-8084●	4.03	3.34	2.78	2.09	1.72
SL-128-T-12	28	166-8086●	4.34	3.60	3.00	2.25	1.85
SL-130-T-12	30	166-8088●	4.65	3.85	3.21	2.41	1.98
SL-132-T-12	32	166-8090●	4.21	3.48	2.90	2.18	1.79
Double Row, Low Profile							
SDL-102-T-10	4	166-7930●	0.56	0.52	0.43	0.32	0.24
SDL-104-T-10	8	166-7933●	1.11	1.03	0.85	0.64	0.48
SDL-106-T-10	12	166-7935●	1.67	1.55	1.28	0.97	0.72
SDL-108-T-10	16	166-7937●	2.23	2.07	1.70	1.29	0.97
SDL-110-G-10	20	166-7939●	3.43	3.18	2.62	1.98	1.48
SDL-112-T-10	24	166-7941●	3.35	3.11	2.56	1.94	1.45
SDL-114-T-10	28	166-7943●	3.92	3.64	3.00	2.27	1.70
SDL-116-T-10	32	166-7946●	4.47	4.15	3.42	2.58	1.94
SDL-118-T-10	36	166-7948●	5.04	4.68	3.85	2.91	2.18
SDL-120-T-10	40	166-7950●	5.58	5.19	4.27	3.23	2.42
Double Row, Micro Socket							
SDL-102-T-12	4	166-7931●	0.69	0.64	0.53	0.40	0.30
SDL-104-T-12	8	166-7934●	1.38	1.28	1.06	0.80	0.60
SDL-106-T-12	12	166-7936●	2.07	1.92	1.58	1.20	0.90
SDL-108-T-12	16	166-7938●	2.78	2.58	2.13	1.61	1.20
SDL-110-G-12	20	166-7940●	4.25	3.94	3.25	2.45	1.84
SDL-112-T-12	24	166-7942●	4.15	3.85	3.17	2.40	1.80
SDL-114-T-12	28	166-7945●	4.84	4.49	3.70	2.80	2.10
SDL-116-T-12	32	166-7947●	5.54	5.14	4.23	3.20	2.40
SDL-118-T-12	36	166-7949●	6.23	5.78	4.76	3.60	2.70
SDL-120-T-12	40	166-7951●	6.90	6.41	5.28	3.99	2.99

2.54mm Terminal Strips

TD series



- Double row
- Pin Length - 3.96mm
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec's SDL series



Insulator Material	Contact Material	Contact Plating	Operating Temperature
Glass Filled Polyester	Phosphor Bronze	Gold	-55°C to 125°C

2.54mm Pitch Pin Headers and Sockets - continued

2.54mm Terminal Strips - continued

TD series - continued

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
TD-102-G-A	4	166-8421	0.60	0.55	0.46	0.34	0.28
TD-104-G-A	8	166-8422	1.19	1.11	0.91	0.69	0.56
TD-106-G-A	12	166-8423	1.78	1.66	1.36	1.03	0.84
TD-108-G-A	16	166-8424	2.38	2.21	1.82	1.38	1.13
TD-110-G-A	20	166-8425	2.98	2.77	2.28	1.72	1.41
TD-112-G-A	24	166-8426	3.57	3.32	2.73	2.06	1.69
TD-114-G-A	28	166-8427	4.17	3.87	3.19	2.41	1.97
TD-116-G-A	32	166-8428	4.77	4.43	3.65	2.75	2.25
TD-118-G-A	36	166-8429	5.36	4.98	4.10	3.10	2.54
TD-120-G-A	40	166-8430	5.96	5.53	4.56	3.44	2.82

527418

2.54mm Socket Strips

SS series



- Through Hole
- Single Row
- Profile Height - 4.44mm
- Pitch - 2.54mm
- Pin Length - 3.18mm
- Mates with Samtec's TS, BBS, & BBL series



Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Glass Filled Polyester	Beryllium Copper	Gold	1A	-55°C to 125°C

527408

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
SS-104-T-2-N	4	166-8203	0.37	0.31	0.26	0.19	0.16
SS-105-T-2-N	5	166-8204	0.46	0.38	0.32	0.24	0.20
SS-106-T-2-N	6	166-8205	0.56	0.46	0.39	0.29	0.24
SS-107-T-2-N	7	166-8206	0.65	0.54	0.45	0.34	0.28
SS-108-T-2-N	8	166-8207	0.74	0.62	0.51	0.39	0.32
SS-108-TT-2-N	8	166-8208	0.47	0.39	0.32	0.24	0.20
SS-110-T-2-N	10	166-8209	0.93	0.77	0.64	0.48	0.40
SS-110-TT-2-N	10	166-8210	0.59	0.49	0.40	0.30	0.25
SS-112-T-2-N	12	166-8211	1.12	0.92	0.77	0.58	0.48
SS-112-TT-2-N	12	166-8212	0.71	0.58	0.49	0.37	0.30
SS-114-T-2-N	14	166-8214	1.30	1.08	0.90	0.67	0.56
SS-116-T-2-N	16	166-8215	1.49	1.23	1.03	0.77	0.63
SS-118-T-2-N	18	166-8216	1.67	1.39	1.15	0.87	0.71
SS-120-T-2-N	20	166-8217	1.86	1.54	1.28	0.96	0.79
SS-125-T-2-N	25	166-8218	2.34	1.94	1.61	1.21	1.00
SS-130-T-2-N	30	166-8219	2.80	2.32	1.94	1.45	1.20
SS-132-T-2-N	32	166-8220	2.54	2.10	1.75	1.31	1.08

2.54mm Terminal Strips

TS series



- Through Hole
- Single Row
- Pitch - 2.54mm
- Mates with Samtec's SL & SS series



Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Glass Filled Polyester	Phosphor Bronze	Gold	1A	-55°C to 125°C

527437

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
TS-102-G-A	2	166-8575	0.27	0.22	0.18	0.14	0.11
TS-103-G-A	3	166-8576	0.40	0.33	0.28	0.21	0.17
TS-104-G-A	4	166-8577	0.53	0.44	0.37	0.28	0.23
TS-105-G-A	5	166-8578	0.67	0.55	0.46	0.35	0.28
TS-106-G-A	6	166-8579	0.80	0.66	0.55	0.41	0.34
TS-107-G-A	7	166-8580	0.93	0.77	0.64	0.48	0.40
TS-108-G-A	8	166-8581	1.07	0.88	0.74	0.55	0.46
TS-109-G-A	9	166-8582	1.20	0.99	0.83	0.62	0.51
TS-110-G-A	10	166-8583	1.33	1.10	0.92	0.69	0.57
TS-111-G-A	11	166-8585	1.47	1.21	1.01	0.76	0.63
TS-112-G-A	12	166-8586	1.60	1.33	1.10	0.83	0.68
TS-120-G-A	20	166-8587	2.67	2.21	1.84	1.38	1.14
TS-125-G-A	25	166-8588	3.34	2.77	2.31	1.73	1.42
TS-130-G-A	30	166-8589	3.79	3.20	2.64	1.98	1.61

2.54mm Low Cost Socket Strips

SSA series



- High reliability double side-wipe contacts
- Snap-Strip feature
- Selectively plated for lower contact resistance
- Standoffs allow for easy board cleaning
- Single Row



- Profile Height - 5.46mm
- Pitch - 2.54mm
- Pin Length - 3.84mm
- Mates with Samtec's TS, BBS, & BBL series

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
PET Polyester	Phosphor Bronze	Gold	1A	-55°C to 125°C

527409

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
SSA-102-S-G	2	166-8221	0.20	0.17	0.14	0.10	0.09
SSA-104-S-G	4	166-8222	0.40	0.33	0.28	0.21	0.17
SSA-106-S-G	6	166-8223	0.60	0.49	0.41	0.31	0.25
SSA-108-S-G	8	166-8224	0.80	0.66	0.55	0.41	0.34
SSA-110-S-G	10	166-8226	1.00	0.83	0.69	0.52	0.43
SSA-112-S-G	12	166-8227	1.20	0.99	0.83	0.62	0.51
SSA-114-S-G	14	166-8228	1.40	1.16	0.97	0.73	0.60
SSA-116-S-G	16	166-8229	1.60	1.33	1.10	0.83	0.68
SSA-118-S-G	18	166-8230	1.80	1.49	1.24	0.93	0.77
SSA-120-S-G	20	166-8231	2.00	1.66	1.38	1.03	0.85
SSA-122-S-G	22	166-8232	2.20	1.82	1.52	1.14	0.94
SSA-124-S-G	24	166-8233	2.40	1.99	1.66	1.24	1.02
SSA-125-S-G	25	166-8234	2.51	2.08	1.74	1.30	1.07
SSA-126-S-G	26	166-8235	2.60	2.16	1.80	1.35	1.11
SSA-128-S-G	28	166-8236	2.80	2.32	1.94	1.45	1.20
SSA-130-S-G	30	166-8238	3.01	2.49	2.08	1.56	1.28
SSA-132-S-G	32	166-8239	2.74	2.27	1.89	1.42	1.17

2.54mm Socket Strips

SSW series



Single Row, Vertical



Single Row, Right Angle



- Through Hole
- Tiger Buy contacts
- Orientation - Vertical or Right Angle
- Single or Double row
- Square Tail
- Pin Length - 2.64mm / 4.93mm
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec's TSW series

Insulator Material	Contact Material	Contact Plating	Durability	Operating Temperature
LCP	Phosphor Bronze	Gold	100 cycles	-55°C to 125°C

527415

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Pin Length - 2.64mm, Vertical							
SSW-102-01-G-S	2	166-8331	0.36	0.30	0.25	0.19	0.16
SSW-103-01-G-S	3	166-8337	0.45	0.37	0.31	0.23	0.19
SSW-104-01-G-S	4	166-8342	0.56	0.47	0.39	0.29	0.24
SSW-106-01-G-S	6	166-8352	0.60	0.50	0.42	0.31	0.26
SSW-108-01-G-S	8	166-8363	0.80	0.67	0.55	0.42	0.34
SSW-110-01-G-S	10	166-8374	1.00	0.83	0.69	0.52	0.43
SSW-112-01-G-S	12	166-8381	1.21	1.00	0.83	0.62	0.51
SSW-114-01-G-S	14	166-8385	1.41	1.17	0.97	0.73	0.60
SSW-116-01-G-S	16	166-8393	1.61	1.33	1.11	0.83	0.69
SSW-118-01-G-S	18	166-8395	1.81	1.50	1.25	0.94	0.77
SSW-120-01-G-S	20	166-8398	2.01	1.66	1.39	1.04	0.86
Single Row, Pin Length - 4.93mm, Vertical							
SSW-102-02-G-S	2	166-8334	0.37	0.31	0.26	0.19	0.16
SSW-104-02-G-S	4	166-8344	0.58	0.48	0.40	0.30	0.25
SSW-106-02-G-S	6	166-8356	0.62	0.52	0.43	0.32	0.27
SSW-108-02-G-S	8	166-8367	0.83	0.69	0.57	0.43	0.35
SSW-110-02-G-S	10	166-8378	1.04	0.86	0.72	0.54	0.44
SSW-112-02-G-S	12	166-8382	1.25	1.03	0.86	0.65	0.53
SSW-114-02-G-S	14	166-8386	1.45	1.20	1.00	0.75	0.62
SSW-116-02-G-S	16	166-8394	1.66	1.37	1.15	0.86	0.71
SSW-118-02-G-S	18	166-8396	1.87	1.55	1.29	0.97	0.80
SSW-120-02-G-S	20	166-8401	2.08	1.72	1.43	1.08	0.89
Single Row, Pin Length - 4.93mm, Right Angle							
SSW-102-02-G-S-RA	2	166-8335	0.41	0.34	0.28	0.21	0.18
SSW-103-02-G-S-RA	3	166-8339	0.51	0.43	0.35	0.27	0.22
SSW-104-02-G-S-RA	4	166-8345	0.64	0.53	0.44	0.33	0.27
SSW-105-02-G-S-RA	5	166-8350	0.66	0.54	0.45	0.34	0.28
SSW-106-02-G-S-RA	6	166-8357	0.68	0.57	0.47	0.35	0.29
SSW-107-02-G-S-RA	7	166-8361	0.80	0.66	0.55	0.41	0.34
SSW-108-02-G-S-RA	8	166-8368	0.92	0.76	0.63	0.47	0.39
SSW-109-02-G-S-RA	9	166-8372	1.03	0.85	0.71	0.53	0.44
SSW-110-02-G-S-RA	10	166-8379	1.14	0.95	0.79	0.59	0.49
SSW-111-02-G-S-RA	11	166-8380	1.26	1.04	0.87	0.65	0.54
SSW-112-02-G-S-RA	12	166-8383	1.37	1.14	0.95	0.71	0.58
SSW-113-02-G-S-RA	13	166-8384	1.49	1.23	1.03	0.77	0.63
SSW-114-02-G-S-RA	14	166-8387	1.60	1.33	1.10	0.83	0.68
SSW-120-02-G-S-RA	20	166-8402	2.29	1.90	1.58	1.19	0.98
Double Row, Pin Length - 2.64mm, Vertical							
SSW-102-01-G-D	4	166-8329	0.62	0.51	0.43	0.32	0.26
SSW-103-01-G-D	6	166-8336	0.77	0.64	0.53	0.40	0.33

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
SSW-109-01-G-D	18	166-8369	1.54	1.28	1.06	0.80	0.66
SSW-110-01-G-D	20	166-8373	1.71	1.42	1.18	0.89	0.73
SSW-115-01-G-D	30	166-8388	2.58	2.14	1.78	1.34	1.10
SSW-120-01-G-D	40	166-8397	3.43	2.84	2.37	1.77	1.46
SSW-125-01-G-D	50	166-8403	4.30	3.56	2.97	2.22	1.83
SSW-130-01-G-D	60	166-8406	5.14	4.26	3.55	2.66	2.19
SSW-140-01-G-D	80	166-8412	6.02	5.09	4.20	3.14	2.56
SSW-150-01-G-D	100	166-8416	5.70	3.88	3.23	2.86	2.62
Double Row, Pin Length - 4.93mm, Vertical							
SSW-102-02-G-D	4	166-8332	0.64	0.53	0.44	0.33	0.27
SSW-104-02-S-D	8	166-8346	1.00	0.83	0.69	0.52	0.42
SSW-105-02-G-D	10	166-8348	1.02	0.84	0.70	0.53	0.43
SSW-106-02-G-D	12	166-8354	1.06	0.88	0.73	0.55	0.45
SSW-107-02-G-D	14	166-8359	1.24	1.03	0.86	0.64	0.53
SSW-108-02-G-D	16	166-8364	1.41	1.17	0.98	0.73	0.60
SSW-109-02-G-D	18	166-8370	1.59	1.32	1.10	0.83	0.68
SSW-110-02-G-D	20	166-8375	1.77	1.47	1.22	0.92	0.75
SSW-115-02-G-D	30	166-8391	2.67	2.21	1.84	1.38	1.14
SSW-120-02-G-D	40	166-8399	3.56	2.95	2.46	1.84	1.52
SSW-125-02-G-D	50	166-8404	4.43	3.67	3.06	2.29	1.89
SSW-130-02-G-D	60	166-8408	5.32	4.41	3.67	2.75	2.27
SSW-135-02-G-D	70	166-8410	5.80	4.89	4.03	3.02	2.46
SSW-140-02-G-D	80	166-8413	6.28	5.30	4.37	3.27	2.67
SSW-150-02-G-D	100	166-8417	5.92	4.02	3.35	2.96	2.71
Double Row, Pin Length - 4.93mm, Right Angle							
SSW-102-02-G-D-RA	4	166-8333	0.70	0.58	0.48	0.36	0.30
SSW-103-02-G-D-RA	6	166-8338	0.88	0.73	0.61	0.45	0.37
SSW-104-02-G-D-RA	8	166-8343	1.09	0.90	0.75	0.57	0.47
SSW-105-02-G-D-RA	10	166-8349	1.12	0.93	0.77	0.58	0.48
SSW-106-02-G-D-RA	12	166-8355	1.17	0.97	0.81	0.60	0.50
SSW-107-02-G-D-RA	14	166-8360	1.36	1.13	0.94	0.71	0.58
SSW-108-02-G-D-RA	16	166-8366	1.56	1.29	1.08	0.81	0.66
SSW-109-02-G-D-RA	18	166-8371	1.75	1.45	1.21	0.91	0.75
SSW-110-02-G-D-RA	20	166-8376	1.95	1.61	1.34	1.01	0.83
SSW-115-02-G-D-RA	30	166-8392	2.94	2.43	2.03	1.52	1.25
SSW-120-02-G-D-RA	40	166-8400	3.89	3.23	2.69	2.02	1.66
SSW-125-02-G-D-RA	50	166-8405	4.87	4.04	3.37	2.52	2.08
SSW-130-02-G-D-RA	60	166-8409	5.85	4.85	4.04	3.03	2.50
SSW-135-02-G-D-RA	70	166-8411	6.38	5.40	4.44	3.33	2.71
SSW-140-02-G-D-RA	80	166-8414	6.90	5.83	4.80	3.60	2.93
SSW-145-02-G-D-RA	90	166-8415	7.42	6.27	5.16	3.87	3.20
SSW-150-02-G-D-RA	100	166-8418	6.22	4.41	3.67	3.25	2.92

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
SSQ-108-01-G-D	16	166-8301	1.51	1.25	1.04	0.78	0.64
SSQ-109-01-G-D	18	166-8305	1.70	1.41	1.17	0.88	0.72
SSQ-110-01-G-D	20	166-8306	1.89	1.57	1.30	0.98	0.81
SSQ-115-01-G-D	30	166-8313	2.85	2.36	1.97	1.47	1.21
SSQ-120-01-G-D	40	166-8319	3.78	3.13	2.61	1.96	1.61
SSQ-125-01-G-D	50	166-8322	4.74	3.93	3.27	2.46	2.02
SSQ-130-01-G-D	60	166-8323	5.67	4.70	3.92	2.94	2.42
SSQ-135-01-G-D	70	166-8324	6.63	5.50	4.58	3.44	2.83
SSQ-140-01-G-D	80	166-8325	6.67	5.64	4.64	3.48	2.84
SSQ-145-01-G-D	90	166-8326	7.19	6.08	5.00	3.75	3.10
SSQ-150-01-G-D	100	166-8327	6.05	4.28	3.57	3.15	2.89

2.54mm Low Profile Headers

TLW series



- These headers provide the ultimate low profile 0.64mm square post board stacking system
- The high quality Phosphor Bronze terminals are available with a standard short post height for mating with low profile sockets
- Through Hole
- Single / Double row
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec's CES & SLW series



Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	3A	-55°C to 125°C

527434

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row							
TLW-102-05-G-S	2	166-8488	0.23	0.19	0.16	0.12	0.10
TLW-103-05-G-S	3	166-8490	0.35	0.29	0.24	0.18	0.15
TLW-104-05-G-S	4	166-8492	0.46	0.38	0.32	0.24	0.20
TLW-105-05-G-S	5	166-8495	0.58	0.48	0.40	0.30	0.25
TLW-106-05-G-S	6	166-8497	0.69	0.57	0.48	0.36	0.30
TLW-107-05-G-S	7	166-8499	0.81	0.67	0.56	0.42	0.35
TLW-108-05-G-S	8	166-8502	0.92	0.76	0.64	0.48	0.39
TLW-109-05-G-S	9	166-8504	1.04	0.86	0.72	0.54	0.44
TLW-110-05-G-S	10	166-8506	1.15	0.96	0.80	0.60	0.49
TLW-112-05-G-S	12	166-8507	1.39	1.15	0.96	0.72	0.59
TLW-114-05-G-S	14	166-8508	1.62	1.34	1.12	0.84	0.69
TLW-116-05-G-S	16	166-8510	1.85	1.53	1.27	0.96	0.79
TLW-118-05-G-S	18	166-8512	2.08	1.72	1.44	1.08	0.89
TLW-120-05-G-S	20	166-8514	2.31	1.92	1.60	1.20	0.99
Double Row							
TLW-102-05-G-D	4	166-8487	0.39	0.33	0.27	0.20	0.17
TLW-103-05-G-D	6	166-8489	0.59	0.49	0.41	0.31	0.25
TLW-104-05-G-D	8	166-8491	0.79	0.65	0.54	0.41	0.34
TLW-105-05-G-D	10	166-8494	0.98	0.81	0.68	0.51	0.42
TLW-106-05-G-D	12	166-8496	1.18	0.98	0.82	0.61	0.50
TLW-107-05-G-D	14	166-8498	1.38	1.14	0.95	0.71	0.59
TLW-108-05-G-D	16	166-8501	1.57	1.30	1.09	0.82	0.67
TLW-109-05-G-D	18	166-8503	1.77	1.47	1.22	0.92	0.75
TLW-110-05-G-D	20	166-8505	1.97	1.63	1.36	1.02	0.84
TLW-115-05-G-D	30	166-8509	2.96	2.45	2.04	1.53	1.26
TLW-120-05-G-D	40	166-8513	3.94	3.26	2.72	2.04	1.68
TLW-125-05-G-D	50	166-8515	4.94	4.09	3.41	2.56	2.11
TLW-130-05-G-D	60	166-8516	5.83	4.93	4.06	3.04	2.48
TLW-135-05-G-D	70	166-8517	6.42	5.43	4.47	3.35	2.73
TLW-136-05-G-D	72	166-8518	5.31	3.71	3.07	2.66	2.44

Low Profile Strips

CES, SLW series



- Single and double row receptacles available
- Contact plating - Tin (CES), Gold (SLW)
- Pin lengths - 3.25mm (CES), 2.92mm (SLW)
- Pitch - 2.54mm
- Pitch row - 2.54mm
- Through hole
- Mates with Samtec's TLW and TSW series

Series	Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
CES	Glass Filled Polyester	Phosphor Bronze	Tin	1A	-55°C to 105°C
SLW	Glass Filled Polyester	Phosphor Bronze	Gold	3A	-55°C to 125°C

2.54mm Socket Strips

SSQ series



Single Row

Double Row



- Through Hole
- Tiger Buy contacts
- Orientation - Vertical or Right Angle
- Single or Double row
- Solder Tail
- Pin Length - 2.64mm
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec's TSW series

Insulator Material	Contact Material	Contact Plating	Durability	Operating Temperature
LCP	Phosphor Bronze	Gold	100 cycles	-55°C to 125°C

527413

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Vertical							
SSQ-102-01-G-S	2	166-8288	0.40	0.33	0.28	0.21	0.17
SSQ-103-01-G-S	3	166-8291	0.50	0.41	0.34	0.26	0.21
SSQ-104-01-G-S	4	166-8293	0.62	0.52	0.43	0.32	0.27
SSQ-106-01-G-S	6	166-8297	0.67	0.55	0.46	0.34	0.28
SSQ-108-01-G-S	8	166-8302	0.89	0.73	0.61	0.46	0.38
SSQ-110-01-G-S	10	166-8307	1.11	0.92	0.76	0.57	0.47
SSQ-112-01-G-S	12	166-8309	1.33	1.10	0.92	0.69	0.57
SSQ-114-01-G-S	14	166-8311	1.55	1.28	1.07	0.80	0.66
SSQ-116-01-G-S	16	166-8314	1.77	1.47	1.22	0.92	0.75
SSQ-118-01-G-S	18	166-8317	1.99	1.65	1.38	1.03	0.85
SSQ-120-01-G-S	20	166-8320	2.22	1.84	1.53	1.15	0.94
Single Row, Right Angle							
SSQ-102-02-G-S-RA	2	166-8289	0.45	0.38	0.31	0.23	0.19
SSQ-104-02-G-S-RA	4	166-8294	0.71	0.58	0.49	0.37	0.30
SSQ-106-02-G-S-RA	6	166-8299	0.75	0.63	0.52	0.39	0.32
SSQ-108-02-G-S-RA	8	166-8303	1.01	0.83	0.70	0.52	0.43
SSQ-110-02-G-S-RA	10	166-8308	1.26	1.04	0.87	0.65	0.54
SSQ-112-02-G-S-RA	12	166-8310	1.51	1.25	1.04	0.78	0.64
SSQ-114-02-G-S-RA	14	166-8312	1.76	1.46	1.22	0.91	0.75
SSQ-116-02-G-S-RA	16	166-8315	2.01	1.67	1.39	1.04	0.86
SSQ-118-02-G-S-RA	18	166-8318	2.27	1.88			

2.54mm Pitch Pin Headers and Sockets - continued

Low Profile Strips - continued

CES, SLW series - continued

527201

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Tin Plating, Single Row							
CES-102-01-T-S	2	166-7508	0.17	0.16	0.13	0.10	0.08
CES-104-01-T-S	4	166-7510	0.35	0.32	0.26	0.20	0.16
CES-106-01-T-S	6	166-7512	0.51	0.48	0.39	0.30	0.24
CES-108-01-T-S	8	166-7514	0.69	0.64	0.53	0.40	0.33
CES-110-01-T-S	10	166-7516	0.86	0.80	0.66	0.50	0.41
CES-112-01-T-S	12	166-7517	1.04	0.96	0.79	0.60	0.49
CES-114-01-T-S	14	166-7519	1.21	1.12	0.92	0.70	0.57
CES-116-01-T-S	16	166-7522	1.38	1.28	1.05	0.80	0.65
CES-118-01-T-S	18	166-7523	1.55	1.44	1.19	0.90	0.73
CES-120-01-T-S	20	166-7525	1.72	1.60	1.32	1.00	0.81
CES-122-01-T-S	22	166-7526	1.90	1.76	1.45	1.10	0.90
CES-124-01-T-S	24	166-7527	2.00	1.69	1.39	1.04	0.85
CES-126-01-T-S	26	166-7529	2.09	1.76	1.45	1.09	0.89
CES-128-01-T-S	28	166-7532	2.18	1.84	1.52	1.13	0.93
CES-129-01-T-S	29	166-7533	2.22	1.88	1.55	1.16	0.94
CES-130-01-T-S	30	166-7535	2.26	1.92	1.58	1.18	0.96
Tin Plating, Double Row							
CES-104-01-T-D	8	166-7509	0.59	0.55	0.45	0.34	0.28
CES-106-01-T-D	12	166-7511	0.88	0.82	0.67	0.51	0.42
CES-108-01-T-D	16	166-7513	1.18	1.09	0.90	0.68	0.56
CES-110-01-T-D	20	166-7515	1.47	1.36	1.12	0.85	0.69
CES-116-01-T-D	32	166-7521	2.35	2.18	1.80	1.36	1.11
CES-120-01-T-D	40	166-7524	2.95	2.74	2.26	1.71	1.40
CES-125-01-T-D	50	166-7528	3.52	2.98	2.45	1.84	1.50
CES-128-01-T-D	56	166-7530	3.75	3.17	2.61	1.95	1.59
CES-130-01-T-D	60	166-7534	3.90	3.29	2.71	2.03	1.66
CES-135-01-T-D	70	166-7536	4.27	3.61	2.97	2.22	1.81
CES-140-01-T-D	80	166-7537	4.64	3.92	3.23	2.42	1.97
CES-150-01-T-D	100	166-7538	5.00	4.23	3.48	2.61	2.13
Gold Plating, Single Row							
SLW-102-01-G-S	2	166-8093	0.19	0.16	0.13	0.10	0.08
SLW-104-01-G-S	4	166-8095	0.39	0.32	0.27	0.20	0.16
SLW-106-01-G-S	6	166-8097	0.58	0.48	0.40	0.30	0.25
SLW-108-01-G-S	8	166-8100	0.77	0.64	0.53	0.40	0.33
SLW-110-01-G-S	10	166-8102	0.96	0.80	0.67	0.50	0.41
SLW-112-01-G-S	12	166-8103	1.16	0.96	0.80	0.60	0.49
SLW-114-01-G-S	14	166-8104	1.35	1.12	0.93	0.70	0.58
SLW-120-01-G-S	20	166-8107	1.93	1.60	1.33	1.00	0.82
Gold Plating, Double Row							
SLW-102-01-G-D	4	166-8091	0.39	0.32	0.27	0.20	0.16
SLW-104-01-G-D	8	166-8094	0.77	0.64	0.53	0.40	0.33
SLW-106-01-G-D	12	166-8096	1.16	0.96	0.80	0.60	0.49
SLW-108-01-G-D	16	166-8099	1.54	1.28	1.06	0.80	0.66
SLW-110-01-G-D	20	166-8101	1.93	1.60	1.33	1.00	0.82
SLW-115-01-G-D	30	166-8105	2.89	2.40	2.00	1.50	1.23
SLW-120-01-G-D	40	166-8106	3.87	3.21	2.67	2.01	1.65
SLW-125-01-G-D	50	166-8108	4.83	4.00	3.34	2.50	2.06
SLW-130-01-G-D	60	166-8111	5.79	4.79	4.00	3.00	2.47
SLW-135-01-G-D	70	166-8112	6.31	5.33	4.39	3.29	2.68
SLW-140-01-G-D	80	166-8113	6.83	5.77	4.75	3.56	2.90
SLW-145-01-G-D	90	166-8114	7.35	6.21	5.11	3.83	3.17
SLW-150-01-G-D	100	166-8115	6.17	4.37	3.64	3.22	2.95

Box Connect Strips

BCS series



Horizontal Entry

Vertical Entry

- Horizontal and vertical entry receptacles available
- Single row
- Pitch = 2.54mm
- Through hole
- Mates with Samtec's TSW series

Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
Liquid Crystal Polymer	Phosphor Bronze	Gold	3A	-55°C to 125°C

527197

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Horizontal Entry							
BCS-102-L-S-HE	2	166-7467	0.62	0.58	0.47	0.36	0.29
BCS-104-L-S-HE	4	166-7469	0.90	0.84	0.69	0.52	0.43
BCS-106-L-S-HE	6	166-7471	1.19	1.10	0.91	0.69	0.56
BCS-108-L-S-HE	8	166-7473	1.36	1.26	1.04	0.78	0.64
BCS-110-L-S-HE	10	166-7475	1.41	1.31	1.08	0.82	0.67
BCS-112-L-S-HE	12	166-7478	1.69	1.57	1.29	0.98	0.80
BCS-114-L-S-HE	14	166-7480	1.97	1.83	1.51	1.14	0.93
BCS-116-L-S-HE	16	166-7482	2.26	2.10	1.73	1.31	1.07
BCS-118-L-S-HE	18	166-7484	2.56	2.37	1.95	1.48	1.21
BCS-120-L-S-HE	20	166-7486	2.83	2.63	2.16	1.63	1.34
BCS-122-L-S-HE	22	166-7489	3.13	2.90	2.39	1.81	1.48
BCS-124-L-S-HE	24	166-7492	3.40	3.16	2.60	1.97	1.61
BCS-126-L-S-HE	26	166-7494	3.57	3.02	2.48	1.86	1.52

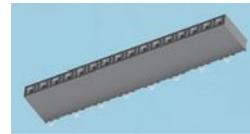
Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
BCS-128-L-S-HE	28	166-7496	3.70	3.13	2.58	1.93	1.57
BCS-130-L-S-HE	30	166-7498	3.84	3.24	2.67	2.00	1.63
BCS-132-L-S-HE	32	166-7500	3.97	3.35	2.76	2.07	1.69
BCS-140-L-S-HE	40	166-7502	4.51	3.81	3.13	2.35	1.91
BCS-150-L-S-HE	50	166-7504	4.39	3.03	2.47	2.12	1.97
Vertical Entry							
BCS-102-L-S-TE	2	166-7468	0.55	0.51	0.42	0.32	0.26
BCS-104-L-S-TE	4	166-7470	0.81	0.75	0.62	0.47	0.38
BCS-106-L-S-TE	6	166-7472	1.06	0.98	0.81	0.61	0.50
BCS-108-L-S-TE	8	166-7474	1.21	1.12	0.92	0.70	0.57
BCS-110-L-S-TE	10	166-7477	1.26	1.17	0.96	0.73	0.60
BCS-112-L-S-TE	12	166-7479	1.51	1.40	1.15	0.87	0.71
BCS-114-L-S-TE	14	166-7481	1.76	1.64	1.35	1.02	0.83
BCS-116-L-S-TE	16	166-7483	2.01	1.87	1.54	1.16	0.95
BCS-118-L-S-TE	18	166-7485	2.27	2.10	1.73	1.31	1.07
BCS-120-L-S-TE	20	166-7487	2.53	2.35	1.94	1.46	1.20
BCS-122-L-S-TE	22	166-7491	2.78	2.58	2.13	1.61	1.31
BCS-124-L-S-TE	24	166-7493	3.07	2.59	2.13	1.60	1.30
BCS-126-L-S-TE	26	166-7495	3.19	2.69	2.22	1.66	1.35
BCS-128-L-S-TE	28	166-7497	3.31	2.79	2.30	1.72	1.40
BCS-130-L-S-TE	30	166-7499	3.43	2.89	2.38	1.78	1.45
BCS-132-L-S-TE	32	166-7501	3.53	2.99	2.46	1.85	1.50
BCS-140-L-S-TE	40	166-7503	4.02	3.39	2.79	2.09	1.71
BCS-150-L-S-TE	50	166-7505	3.91	2.70	2.20	1.88	1.76

2.54mm SMT Sockets

SSM series



Single Row, Horizontal Pin



Single Row, Vertical Pin



- Surface Mount
- Orientation - Vertical or Horizontal
- Single or Double row
- Profile Height - 7.37mm (Vertical) / 8.13mm (Horizontal)
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec's TSW series

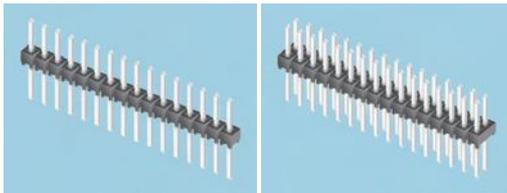
Insulator Material	Contact Material	Contact Plating	Current Rating	Operating Temperature
LCP	Phosphor Bronze	Gold	4A	-55°C to 125°C

527411

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Vertical Pin							
SSM-102-L-SV	2	166-8243	0.54	0.45	0.37	0.28	0.23
SSM-104-L-SV	4	166-8251	0.78	0.65	0.54	0.41	0.33
SSM-106-L-SV	6	166-8257	1.03	0.85	0.71	0.53	0.44
SSM-108-L-SV	8	166-8259	1.18	0.98	0.81	0.61	0.50
SSM-110-L-SV	10	166-8264	1.23	1.02	0.85	0.64	0.52
SSM-112-L-SV	12	166-8266	1.47	1.22	1.02	0.76	0.63
SSM-114-L-SV	14	166-8268	1.72	1.43	1.19	0.89	0.73
SSM-120-L-SV	20	166-8275	2.47	2.05	1.71	1.28	1.05
Single Row, Horizontal Pin							
SSM-102-L-SH	2	166-8242	0.67	0.56	0.46	0.35	0.29
SSM-104-L-SH	4	166-8248	0.98	0.81	0.68	0.51	0.42
SSM-106-L-SH	6	166-8256	1.28	1.06	0.89	0.67	0.55
SSM-108-L-SH	8	166-8258	1.47	1.21	1.01	0.76	0.63
SSM-110-L-SH	10	166-8263	1.53	1.27	1.06	0.79	0.65
SSM-112-L-SH	12	166-8265	1.83	1.52	1.27	0.95	0.78
SSM-114-L-SH	14	166-8267	2.14	1.78	1.48	1.11	0.91
SSM-120-L-SH	20	166-8273	3.07	2.54	2.12	1.59	1.31
Double Row, Vertical Pin							
SSM-102-L-DV	4	166-8241	0.94	0.78	0.65	0.49	0.40
SSM-103-L-DV	6	166-8245	1.15	0.96	0.80	0.60	0.49
SSM-104-L-DV	8	166-8247	1.37	1.13	0.94	0.71	0.58
SSM-105-L-DV	10	166-8253	1.60	1.33	1.11	0.83	0.68
SSM-106-L-DV	12	166-8255	1.79	1.49	1.24	0.93	0.77
SSM-110-L-DV	20	166-8261	2.14	1.77	1.48	1.11	0.91
SSM-115-L-DV	30	166-8270	3.23	2.67	2.23	1.67	1.38
SSM-120-L-DV	40	166-8272	4.30	3.56	2.97	2.22	1.83

2.54mm Terminal Strips

TSW series



- Through Hole
- Single / Double Row
- Pitch - 2.54mm
- Pitch Row - 2.54mm
- Mates with Samtec'sBCS, CES, SLW, SSQ & SSW series

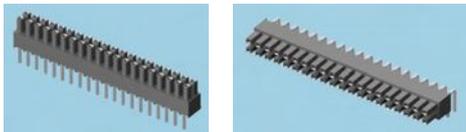
Insulator Material	Contact Material	Contact Plating	Operating Temperature
Glass Filled Polyester	Phosphor Bronze	Gold	-55°C to 125°C

527438

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Single Row, Pin Length - 10.92mm							
TSW-106-07-L-S	6	166-8590●	0.72	0.61	0.50	0.37	0.31
TSW-109-07-G-S	9	166-8591●	1.00	0.84	0.70	0.52	0.42
TSW-112-07-G-S	12	166-8592●	1.09	0.92	0.76	0.57	0.46
Double Row, Pin Length - 7.62mm							
TSW-150-06-L-D	100	166-8595●	3.98	2.72	2.23	1.88	1.75
Double Row, Pin Length - 8.51mm							
TSW-125-05-G-D	50	166-8593●	3.25	2.75	2.26	1.69	1.38
TSW-150-05-L-D	100	166-8594●	3.98	2.72	2.23	1.88	1.75
Double Row, Pin Length - 10.92mm							
TSW-150-07-L-D	100	166-8597●	3.64	2.44	2.00	1.69	1.58
Double Row, Pin Length - 11.30mm							
TSW-150-23-L-D	100	166-8605●	3.82	2.56	2.10	1.78	1.66
Double Row, Pin Length - 11.58mm							
TSW-150-26-L-D	100	166-8606●	4.77	3.34	2.76	2.39	2.19
Double Row, Pin Length - 13.46mm							
TSW-150-14-L-D	100	166-8603●	3.73	2.50	2.05	1.73	1.61
TSW-150-08-G-D	100	166-8598●	3.85	2.66	2.17	1.86	1.73
TSW-150-08-L-D	100	166-8600●	3.73	2.50	2.05	1.73	1.61
Double Row, Pin Length - 21.08mm							
TSW-150-17-L-D	100	166-8604●	4.22	2.91	2.37	2.03	1.90
Double Row, Right Angle, Pin Length - 2.29mm							
TSW-150-08-G-D-RA	100	166-8599●	4.23	2.92	2.39	2.04	1.90
TSW-150-08-L-D-RA	100	166-8601●	3.87	2.67	2.18	1.86	1.74

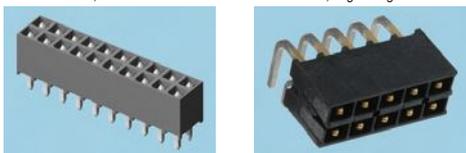
Mini Mate® Connector Set

IPS1, IPT1 series



IPS1, Vertical

IPS1, Right Angle



IPT1, Vertical

IPT1, Right Angle

- Double row
- Pitch - 2.54mm
- Pitch row - 2.54mm
- IPS1 and IPT1 mate with each other

Insulator Material	Contact Material	Contact Plating	Operating Temperature
LCP	Phosphor Bronze	Gold	-55°C to 125°C

527340

Mfrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
Receptacles, Vertical							
IPS1-105-01-S-D	10	166-7817●	1.97	1.92	1.87	1.82	1.77
IPS1-110-01-S-D	20	166-7819●	2.49	2.42	2.36	2.30	2.23
IPS1-115-01-S-D	30	166-7821●	3.15	3.07	2.98	2.90	2.83
Receptacles, Right Angle							
IPS1-105-01-S-D-RA	10	166-7818●	2.12	2.06	2.00	1.95	1.90
IPS1-110-01-S-D-RA	20	166-7820●	2.65	2.57	2.51	2.44	2.37
IPS1-115-01-S-D-RA	30	166-7822●	3.34	3.20	3.10	3.00	2.90
Headers, Vertical							
IPT1-105-01-S-D	10	166-7823●	2.01	1.95	1.90	1.85	1.80
IPT1-110-01-S-D	20	166-7825●	2.54	2.47	2.40	2.34	2.28
IPT1-115-01-S-D	30	166-7827●	3.20	3.11	3.03	2.95	2.87
Headers, Right Angle							
IPT1-105-01-S-D-RA	10	166-7824●	2.14	2.08	2.03	1.97	1.92
IPT1-110-01-S-D-RA	20	166-7826●	2.69	2.62	2.55	2.48	2.42
IPT1-115-01-S-D-RA	30	166-7829●	3.40	3.31	3.22	3.14	3.05

2.54mm Crimp Terminal Housings

2218H Series



- Pitch - 2.54mm
- Flammability Rating - UL94V-0
- Operating Temperature - -40°C to 105°C
- Mates with 2217S & 2217R series

Specifications:-

Current Rating	3A	Voltage Rating	250V AC/DC
Contact Material	Brass	Contact Plating	Tin
Insulator Material	Nylon 6.6		

528656

No. of Ways	Order Code	10+	100+	250+	500+	1K+
2	167-5754●	0.043	0.029	0.022	0.019	0.016
3	167-5755●	0.064	0.044	0.034	0.028	0.024
4	167-5756●	0.085	0.058	0.045	0.037	0.031
5	167-5757●	0.105	0.073	0.056	0.046	0.038
6	167-5759●	0.127	0.089	0.067	0.055	0.046
8	167-5761●	0.169	0.117	0.090	0.073	0.062
10	167-5762●	0.210	0.146	0.112	0.091	0.076
12	167-5763●	0.250	0.175	0.135	0.109	0.092
Crimp Pin		100+	10K+			
22 - 28AWG	167-5781●	0.033	0.026			

2.54mm Square Pin Headers

2217S / 2217R Series



Vertical



Right Angle

- Pitch - 2.54mm
- Orientation - Vertical / Right Angle
- Flammability Rating - UL94V-0
- Operating Temperature - -40°C to 105°C



Specifications:-

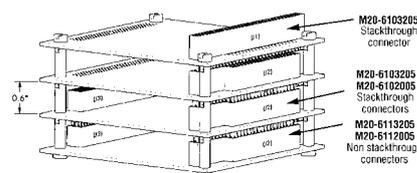
Current Rating	3A	Voltage Rating	250V AC/DC
Contact Material	Brass	Contact Plating	Tin
Insulator Material	Nylon 6.6		

528657

No. of Ways	Order Code	10+	100+	250+	500+	1K+
Vertical						
2	167-5764●	0.091	0.063	0.048	0.039	0.034
3	167-5765●	0.137	0.095	0.073	0.058	0.049
4	167-5766●	0.182	0.126	0.096	0.079	0.066
5	167-5767●	0.230	0.157	0.121	0.098	0.082
6	167-5768●	0.270	0.188	0.145	0.117	0.099
8	167-5769●	0.370	0.250	0.193	0.156	0.131
10	167-5770●	0.460	0.310	0.240	0.195	0.164
12	167-5772●	0.550	0.380	0.290	0.230	0.196
Right Angle						
2	167-5773●	0.120	0.084	0.064	0.052	0.044
3	167-5774●	0.181	0.125	0.095	0.077	0.065
4	167-5775●	0.240	0.166	0.128	0.103	0.086
5	167-5776●	0.300	0.210	0.159	0.129	0.109
6	167-5777●	0.370	0.250	0.191	0.155	0.130
8	167-5778●	0.480	0.340	0.260	0.210	0.173
10	167-5779●	0.610	0.420	0.330	0.260	0.220
12	167-5780●	0.730	0.510	0.380	0.310	0.260

2.54mm Pitch PC/104 Connectors

Bus Connectors



- PC/104 Plus is an industry standard for PC applications
- Embedded systems designers can reduce costs risks and lead times
- Dedicated and embedded PC architecture is an accepted platform for:

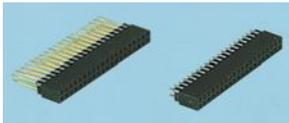
- Vending Machines
- Test equipment
- Medical equipment
- Communication devices
- Laboratory instruments

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

209497

2.54mm Pitch PC/104 Connectors - continued

Bus Connectors



- 32+32 way supports an 8-bit system
- 20+20 way combined with a 32+32 way supports a 16-bit system
- 4 x 30, 120 way available, 2.00mm pitch

● Press-Fit versions eliminate costly hand soldering and allow board rework

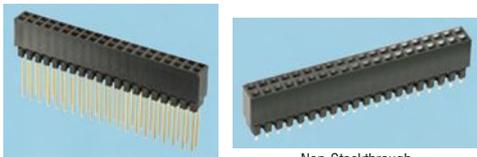
Current rating	1A	Housings	Glass Filled Polyester UL94V-0
Voltage proof	1000V ac	Contacts	Phosphor Bronze
Contact Resistance	10mΩ max	Finish	Gold over Nickel
Insulation resistance	5000 MΩ min.	Average insertion force	103.2g (1N) per contact
Temperature range	-55°C to ++105°C	Average withdrawal force	71.5g (0.7N) per contact

PC/104 and the PC/104 logo are trademarks of the PC/104 consortium.

335250

No. of Ways	Mfrs. List No.	Order Code	1+	10+	100+
Stackthrough					
40	M20F6102005	359-907●	2.34	2.11	1.91
64	M20F6103205	359-956●	3.41	3.04	2.76
Stackthrough Press-Fit					
40	M20-6152005	486-1401●	9.79	8.88	8.06
64	M20-6153205	486-1413●	10.70	9.69	8.80
Non-Stackthrough					
40	M20F6112005	359-970●	2.21	1.98	1.81
64	M20F6113205	359-993●	2.89	2.60	2.35

PC104 Sockets



Stackthrough

Non-Stackthrough

- Double row connectors
- Stackthrough and Non-Stackthrough sockets available
- 2.54mm pitch, 2.54mm pitch row
- Solder tails - Stackthrough 12.2mm, Non-Stackthrough 2.3mm
- Flammability rating - UL94V-0



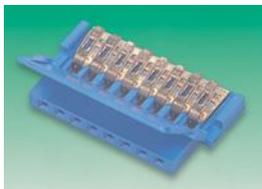
Moulding Material	Contact Material	Contact Plating	Current Rating	Withstanding Voltage	Operating Temperature
High Temp. Nylon	Phosphor Bronze	Gold	3A	1000V	-55°C to 105°C

524101

Mfrs. Part No.	No. of Ways	Order Code	1+	10+	100+
Stackthrough					
M20-6102045	40	156-9230●	3.08	2.86	2.44
M20-6103245	64	156-9231●	4.34	4.03	3.44
Non-Stackthrough					
M20-6112045	40	156-9232●	2.64	2.45	2.09
M20-6113245	64	156-9233●	3.58	3.30	2.84

Flexible Circuitry Systems "Clincher"

Connector Male and Female 2.54mm



- Terminates flat conductor flat cable or flexible circuitry without cable stripping
- Dual-metal PV contacts
- Clinching portion of the contact forms a gastight crimp to prevent contamination of contact
- Mates with 0.64mm square or round pins on 2.54mm centres
- Latch for flying connection

H=15.49, W=2.54

Contact rating	2 A max	Contact resistance	15 mΩ max
Temperature range	-65 °C to +105 °C	Housing	Polypropylene UL94V-0 Colour Blue

209450

Order Multiple=5		Price Each					
No. of Ways	Mfrs. List No.	Order Code	5+	50+	100+	250+	500+
Gold Plating							
2	65801-002LF	110-3901●	0.49	0.46	0.40	0.37	0.34
4	65801-004LF	110-3976●	0.83	0.52	0.49	0.43	0.39
5	65801-005LF	110-3983●	0.64	0.58	0.53	0.49	0.46
6	65801-006LF	110-3977●	1.18	0.76	0.65	0.60	0.56
7	65801-007LF	110-3984●	1.31	0.84	0.76	0.68	0.62
8	65801-008LF	110-3978●	1.30	0.97	0.88	0.82	0.77
9	65801-009LF	110-3979●	1.39	1.10	0.98	0.89	0.83
10	65801-010LF	110-3980●	1.59	1.18	1.08	0.98	0.90
12	65801-012LF	110-3981●	1.65	1.46	1.33	1.23	1.13

Order Multiple=5		Price Each					
No. of Ways	Mfrs. List No.	Order Code	5+	50+	100+	250+	500+
13	65801-013LF	110-3902●	2.01	1.48	1.34	1.23	1.14
14	65801-014LF	110-3903●	2.06	1.87	1.70	1.55	1.44
16	65801-016LF	110-3904●	2.07	1.16	0.98	0.88	0.82
17	65801-017LF	110-3905●	2.61	2.18	1.99	1.84	1.70
20	65801-020LF	110-3906●	2.92	2.66	2.43	2.19	2.06

PCB Shorting Links

Insulated Shorting Plugs



Pin Length = 4.5, Pin dia = 1.0

- 1.0mm diameter contact pins
 - Available in three colours.
- Housing Polyacetal
Contacts Brass Gold plated
- Mfrs List No. 0.2"=D3086, 0.25"=D3087, 0.4"=D3088, 0.5"=D3089
- All plus 98 for black, 99 for red and 97 for blue

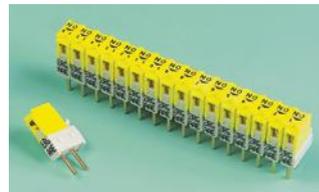
209530

Order Multiple=10		Price Each					
Colour	Order Code	10+	20+	100+	250+	500+	1K+
5.08 mm (0.2") Pitch							
Black	149-306●	0.32	0.29	0.28	0.27	0.25	0.24
Red	149-307●	0.42	0.40	0.38	0.37	0.33	0.32
Blue	149-308●	0.42	0.40	0.38	0.37	0.33	0.32
6.35 mm (0.25") Pitch							
Black	149-309●	0.49	0.44	0.39	0.35	0.32	0.29
Red	149-310●	0.49	0.44	0.39	0.35	0.32	0.29
10.16 mm (0.4") Pitch							
Black	149-312●	0.44	0.40	0.37	0.36	0.34	0.31
Red	149-313●	0.44	0.40	0.37	0.36	0.34	0.31
Blue	149-314●	0.44	0.40	0.37	0.36	0.34	0.31
12.7 mm (0.5") Pitch							
Black	149-315●	0.63	0.56	0.53	0.48	0.47	0.44
Red	149-316●	0.63	0.56	0.53	0.48	0.47	0.44

Subminiature, PCB Mounting - JS Series



10VA @ 100V



H=8.4, W=2.54, D=6.1

- Switchable SPST jumper for switching PCB track signals with a positive tactile click
- Supplied in packs of 16 switches in one unit saving loading time on production
- Can be cut with a modelling knife to achieve any switch combination
- PCB pins are on 2.54mm (0.1") centres
- Hard gold plated wiping contacts

Contact rating	5A @ 100V ac (non switching) 1μ to 1A, 1mV to 100V (switching)	Insulation resistance	1000MΩ @ 500V dc
Initial contact resistance	10mΩ typical (@ 10VA, 10mA max)	Operating temp.	-55°C to +85°C

209491

Mfrs. List No.	Order Code	1+	4+	10+	20+	60+	100+
JSA4-16-G0	986-501●	3.35	3.18	3.03	2.96	2.53	2.35

Uninsulated Shorting Plugs



Gold Plated Brass



H=9.0, Pin dia=1.0

Mfrs. List No. D3082F05 = 175-318,
D3082F05 = 175-319,

209531

25 Per Pack		Price Per Pack				
	Order Code	1+	25+	50+	100+	500+
5.08mm (0.2")	175-318●	2.69	2.43	2.25	2.00	1.96
10.16mm (0.4")	175-319●	3.28	3.02	2.78	2.49	2.38

Shorting Link, Surface Mount



L = 12.3, W = 1.8 (2.35 including standoffs), H = 1.8

- Designed to link PCB tracks where through hole links are not possible
- Easy Placement
- High current
- Small footprint

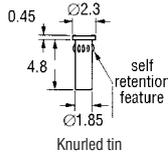
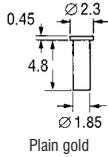


100 per Pack		Price Per Pack		
Order Code	1+	10+	50+	100+
102-2336●	7.70	6.97	6.34	5.71

335251

PCB Mounting Jack Sockets

PCB Sockets
1.0mm Pins

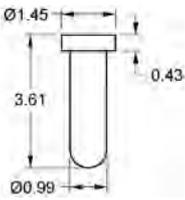


- Three options available with gold plated four leaf inner contacts
- Gold or outer tin body plating with plain or knurled sleeve, for slide or press fit

Mfrs. List No. H3161-01 = 149-318 H3161-05 = 149-319 H3183-05 = 150-501 209534

Order Multiple=25		Price Each				
Mfrs. List No.	Order Code	25+	100+	250+	1K+	2K5+
Tin, knurled	149-318	0.186	0.172	0.145	0.130	0.104
Gold, knurled	149-319	0.230	0.210	0.200	0.161	0.148
Gold, plain	150-501	0.240	0.220	0.210	0.171	0.159

PCB Sockets
0.5mm Pins



A range of sub miniature PCB sockets for 0.5mm pins

- Tapered entry for IC leads
- Four Beryllium copper contact fingers
- Gold finish with nickel undercoat

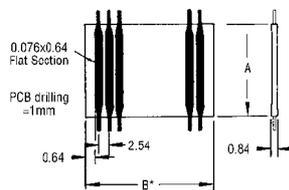
Inner contact material: Beryllium Copper
 Outer shell: 2A
 Current rating @ 25°C: 2A
 Temperature range: -55°C to 125°C
 Max insertion force: 6N
 Min withdrawal force: 0.5N
 Mating Cycles: 50500 Tin - Gold
 Mounting Hole Size: 1.00mm - 1.10mm

238651

Order Multiple=25		Price Each				
Mfrs. List No.	Order Code	25+	100+	250+	1K+	2K5+
H3153-05	412-8448	0.151	0.132	0.116	0.104	0.091

2.54mm Flexstrip Cable

Cable-Teflon



- Fast, low cost reliable interconnection between rigid PCBs
- Engineered for failure free flexing
- Can be hand or flow soldered, no stripping or cutting to length
- Flat conductors for flexibility, round pins for easy insertion
- 10 to 30 ways, can be cut into smaller numbers of ways
- UL approved

Resistance per 10mm: 0.21mΩ max
 Current rating: 2A
 Rated voltage: 600V ac
 Rated temperature: 150°C
 Conductor: 1/24AWG
 Rated temperature: Teflon

*10 Way width 'B' = 24.1mm, 15 Way width 'B' = 36.8mm, 20 Way width 'B' = 49.5mm, 30 Way width 'B' = 74.9mm

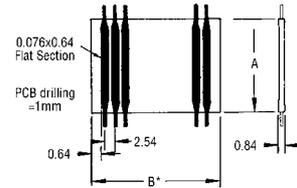
Mfrs List No. FST2xAy, where x=length in inches, y=No. of ways 451908

Length (A)	mm	inches	Order Code	Price Each			
				1+	100+	500+	1K+
10 Way							
25.4	1		131-0332	3.57	3.26	2.76	2.45
50.8	2		131-0333	2.64	2.34	2.12	2.02
76.2	3		131-0335	3.36	2.96	2.61	2.57
101.6	4		131-0351	3.83	3.47	3.05	2.66
15 Way							
25.4	1		131-0352	2.25	2.09	1.80	1.56
50.8	2		131-0375	3.27	3.03	2.64	2.31
76.2	3		131-0376	4.16	3.92	3.44	3.03
101.6	4		131-0353	4.17	3.87	3.36	2.87
20 Way							
25.4	1		131-0354	3.84	3.57	3.07	2.67
50.8	2		131-0356	4.23	3.96	3.71	3.42
76.2	3		131-0378	5.80	5.32	4.68	4.13
101.6	4		131-0357	6.82	6.49	5.64	4.83
30 Way							
25.4	1		131-0349	4.79	4.42	3.78	3.33
50.8	2		131-0350	6.95	6.43	5.60	4.94
101.6	4		131-0359	9.90	9.17	7.99	7.03

Cable - Low Cost Nomex



30 Way, 2 inch=650-626



- Complements existing Flexstrip
- Alternative insulation material, Nomex
- Used in areas where Teflon temperature spec. is not required
- May be installed using conventional soldering techniques
- Stock sizes are 10 way to 30 way
- UL approved

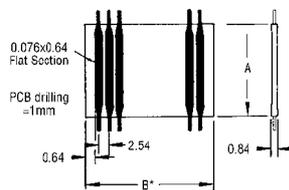
Resistance per 10mm: 2.1mΩ max
 Current rating: 3A
 Rated voltage: 300V ac
 Rated temperature: +125°C
 Conductor: 1/24AWG
 Insulation material: Nomex

10 Way width B=24.1mm, 15 Way width B=36.8mm, 20 Way width B=49.5mm, 30 Way width B=74.9mm, 451909

Length (A)	mm	Mfrs. List No.	Order Code	Price Each			
				1+	100+	500+	1K+
10 Way							
25.4	1	FSN-21A-10	131-0328	1.38	1.11	0.99	0.97
50.8	2	FSN-22A-10	131-0329	1.48	1.21	1.14	1.12
76.2	3	FSN-23A-10	131-0330	1.57	1.50	1.42	1.35
101.6	4	FSN-24A-10	131-0360	2.46	2.24	2.08	2.05
15 Way							
25.4	1	FSN-21A-15	131-0361	2.04	1.95	1.75	1.55
50.8	2	FSN-22A-15	131-0362	2.20	2.09	1.92	1.68
76.2	3	FSN-23A-15	131-0363	2.49	2.35	2.14	1.91
101.6	4	FSN-24A-15	131-0364	2.53	2.25	2.17	1.95
20 Way							
25.4	1	FSN-21A-20	131-0365	2.73	2.58	2.37	2.08
50.8	2	FSN-22A-20	131-0366	2.96	2.79	2.55	2.24
76.2	3	FSN-23A-20	131-0368	3.30	3.13	2.84	2.53
101.6	4	FSN-24A-20	131-0369	3.51	3.20	2.93	2.58
30 Way							
25.4	1	FSN-21A-30	131-0371	4.10	3.89	3.54	3.13
50.8	2	FSN-22A-30	131-0372	4.43	4.18	3.83	3.36
76.2	3	FSN-23A-30	131-0373	4.97	4.70	4.27	3.82
101.6	4	FSN-24A-30	131-0374	5.96	5.44	5.33	5.13

2.54mm Pitch KK Connectors

Cable-Teflon



- End stackable (two only) crimp socket connectors
- Mates with rigid pin headers assembled in a nylon carrier 'wafer' strip
- Features friction lock, polarising wall and pegs, ensures correct assembly.
- Crimp terminals utilise a double cantilever contact designed for high uniform contact pressure
- Approvals, CSA
- UL recognised

Max. Voltage: 250V ac
 Max. Current: 2.5A
 Contact resistance: 20mΩ max.
 Dielectric strength: 1.5kV rms for 60 secs
 Temperature range: -40°C to +105°C

Body material: White nylon, UL94V-0
 Terminals: Tin plated
 Engage force per circuit: 199g max.
 Disengage force per circuit: 57g min

209380

KK® Crimp Terminal for 2.50 and 2.54mm



Wire Size mm²: 0.055-0.336
 Wire Size AWG: 30-22
 Insulation Diameter: 0.062-
 Engineering No.: 4809
 Mfrs. List No.: 08-50-0032

Pack Quantity	Order Code	Price Per Pack		
		1+	5+	10+
100	977-3789	5.09	4.86	4.68
1000	973-1474	46.58	43.40	41.24

Crimp Tool

219772

Tool Type	Mfrs. List No.	Order Code	Price Each
			1+
Ratchet	63811-8200	163-0513	238.83

KK® Crimp Terminal Housing (with Locking Ramp) 2.54mm Pitch



Mfrs. List No.: 22-01-2xx5
 where xx = No of ways.
 Engineering No.: 15-04-9209
 6471 = Housing
 4161-1 = Polarising Pin

2.54mm Pitch KK Connectors - continued

KK® Crimp Terminal Housing (with Locking Ramp) - continued

2.54mm Pitch - continued

209391

No of Ways	Order Code	10+	100+	Price Each			
		200+	500+	1K+	2K5+		
Crimp Housing							
2	143-126●	0.200	0.161	0.132	0.099	0.084	0.075
3	143-127●	0.230	0.184	0.132	0.110	0.094	0.085
4	143-128●	0.260	0.210	0.154	0.121	0.105	0.094
5	146-256●	0.270	0.220	0.165	0.132	0.105	0.094
6	143-129●	0.310	0.250	0.210	0.187	0.168	0.147
7	473-080●	0.370	0.290	0.210	0.165	0.136	0.122
8	143-130●	0.380	0.310	0.230	0.176	0.147	0.132
9	231-897●	0.430	0.350	0.310	0.250	0.230	0.210
10	143-131●	0.450	0.360	0.320	0.280	0.240	0.194
11	231-666●	0.460	0.370	0.290	0.220	0.179	0.160
12	257-345●	0.450	0.390	0.320	0.240	0.200	0.179
13	231-678●	0.420	0.330	0.310	0.260	0.210	0.185
14	231-680●	0.450	0.340	0.320	0.280	0.220	0.193
15	269-232●	0.530	0.480	0.460	0.450	0.430	0.260
16	473-091●	0.480	0.380	0.340	0.300	0.240	0.210
17	231-691●	0.500	0.420	0.350	0.320	0.280	0.220
18	231-708●	0.580	0.480	0.450	0.380	0.330	0.290
19	473-108●	0.620	0.510	0.470	0.420	0.350	0.310
20	473-110●	0.510	0.430	0.390	0.350	0.290	0.260
Pack Quantity		1+	5+	10+			
Polarising Pin							
100	101-3095●	11.750	10.600	9.290			
1000	101-2165●	81.500	74.080	67.900			

KK® PCB Sockets, Low Profile Top & Bottom Entry



- New design enables almost a 50% reduction in height
- Enables both top and bottom entry and retrofits into existing 2.54mm KK PCB layouts

Mfrs. List No. 044-81-200xx where x=No. of ways

386886

No. of Ways	Order Code	5+	50+	Price Each			
		100+	500+	1K+	2K5+		
Order Multiple=5							
2	856-6666●	0.56	0.52	0.50	0.49	0.45	0.38
5	856-6690●	0.50	0.46	0.45	0.44	0.40	0.35
6	856-6704●	0.53	0.48	0.47	0.46	0.43	0.38
8	856-6720●	0.58	0.52	0.51	0.50	0.46	0.43
16	856-6801●	0.91	0.82	0.80	0.76	0.68	0.66

KK® PCB Sockets



Side entry Top entry Bottom entry (through PCB)

Mfrs. List No. 38-00-133x=Side Entry, 38-00-142x=Top Entry, 38-00-139x=Bottom Entry where x=No. of ways (except 10 way where x=0)

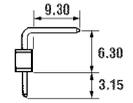
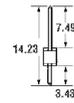
Engineering No. 4455C-NAAA=Side entry, 4455C-NCAA=Top entry, 4455C-NBAA=Bottom entry

230550

No of Ways	Order Code	5+	100+	Price Each			
		200+	500+	1K+	2K5+		
Order Multiple=5							
Side Entry							
3	973-1261●	0.450	0.370	0.340	0.290	0.240	0.200
4	973-1270●	0.550	0.510	0.480	0.420	0.360	0.310
5	973-1288●	0.570	0.530	0.510	0.480	0.420	0.360
6	973-1296●	0.670	0.610	0.590	0.530	0.480	0.420
8	973-1300●	0.870	0.810	0.760	0.680	0.580	0.520
10	973-1318●	1.010	0.930	0.890	0.810	0.700	0.590
12	257-357●	1.190	1.090	1.050	1.010	0.980	0.690
Top Entry							
2	973-2241●	0.390	0.310	0.280	0.210	0.200	0.169
3	973-2250●	0.450	0.370	0.330	0.290	0.220	0.200
4	973-2268●	0.520	0.420	0.380	0.330	0.290	0.240
5	973-2276●	0.580	0.470	0.430	0.380	0.330	0.290
6	973-2292●	0.670	0.540	0.480	0.430	0.380	0.330
8	973-2306●	0.890	0.670	0.610	0.540	0.470	0.420
10	973-2314●	1.030	0.810	0.750	0.630	0.560	0.480
12	257-369●	1.230	0.980	0.890	0.760	0.640	0.550
15	973-2691●	1.200	0.940	0.850	0.760	0.640	0.550
Bottom Entry							
5	973-2349●	0.730	0.580	0.530	0.460	0.410	0.360
8	973-2357●	0.880	0.700	0.620	0.540	0.470	0.400

KK® Square Pin Headers

2.54mm Pitch



PCB hole dia.=1.02±0.05

Mfrs. List No. 22-03-2xx1=Straight Header
22-05-2xx1=90° Header
where xx=No of ways

Engineering No. 4030=Straight Header
4094=90°

209394

No of Ways	Order Code	10+	100+	Price Each			1K+	2K5+
		200+	500+	1000+	2000+	5000+		
Order Multiple=10								
Straight Header								
2	973-1075●	0.220	0.167	0.163	0.159	0.154	0.141	
3	973-1083●	0.310	0.250	0.210	0.194	0.188	0.184	
4	973-1091●	0.420	0.380	0.340	0.300	0.260	0.220	
5	973-1105●	0.530	0.470	0.410	0.350	0.290	0.230	
6	973-1113●	0.630	0.500	0.320	0.310	0.300	0.280	
8	973-1121●	0.740	0.580	0.420	0.410	0.390	0.370	
10	973-1130●	0.840	0.660	0.430	0.420	0.410	0.370	
12	973-2543●	0.990	0.910	0.870	0.840	0.800	0.570	
15	973-2705●	1.230	1.130	1.080	1.030	0.980	0.700	
Order Multiple=5								
90° Header								
2	973-1199●	0.370	0.310	0.300	0.280	0.270	0.260	
3	973-1202●	0.410	0.370	0.350	0.340	0.310	0.300	
4	973-1210●	0.470	0.430	0.420	0.410	0.380	0.350	
5	973-1598●	0.580	0.450	0.430	0.420	0.410	0.380	
6	973-1229●	0.680	0.540	0.460	0.450	0.430	0.410	
8	973-1237●	0.920	0.720	0.590	0.570	0.540	0.500	
10	973-1245●	1.050	0.800	0.680	0.660	0.620	0.580	
12	973-2551●	1.240	0.960	0.810	0.770	0.730	0.660	
15	973-2713●	1.690	1.560	1.500	1.430	1.370	0.970	

KK® Square Pin Headers

2.54mm Pitch



- Gold Plated Square Pins
- Friction lock provides passive lock to connector with ramp
- Good in high vibration applications

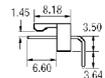
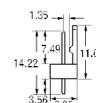
Voltage rating 250V ac/dc
Current rating 4.0A
Temperature range Housing 0°C to 75°C
Nylon UL94V-0

472496

No. of Ways	Mfrs. List No.	Order Code	5+	Price Each			1K+
			100+	500+	1000+	2000+	
Order Multiple=5							
Vertical Square Pin							
2	22-29-2021	136-0130●	0.35	0.29	0.25	0.25	0.25
3	22-29-2031	136-0131●	0.50	0.40	0.35	0.35	0.35
4	22-29-2041	136-0132●	0.66	0.54	0.47	0.47	0.47
5	22-29-2051	136-0133●	0.61	0.54	0.51	0.51	0.51
6	22-29-2061	136-0134●	0.97	0.79	0.69	0.69	0.69
7	22-29-2071	136-0135●	1.20	0.97	0.85	0.85	0.85
8	22-29-2081	136-0136●	1.35	1.09	0.96	0.96	0.96
9	22-29-2091	136-0137●	1.12	0.99	0.92	0.92	0.92
10	22-29-2101	136-0138●	1.22	1.08	1.00	1.00	1.00
12	22-29-2121	136-0141●	1.46	1.27	1.18	1.18	1.18
Right Angle Square Pin							
2	22-12-4022	136-0142●	0.37	0.32	0.30	0.30	0.30
3	22-12-4032	136-0143●	0.52	0.46	0.43	0.43	0.43
4	22-12-4042	136-0144●	0.69	0.61	0.57	0.57	0.57
5	22-12-4052	136-0145●	0.86	0.75	0.69	0.69	0.69
6	22-12-4062	136-0146●	1.04	0.91	0.85	0.85	0.85
7	22-12-4072	136-0147●	1.23	1.09	1.01	1.01	1.01
8	22-12-4082	136-0148●	1.41	1.22	1.14	1.14	1.14
9	22-12-4092	136-0149●	1.57	1.38	1.29	1.29	1.29
10	22-12-4102	136-0150●	1.38	1.20	1.12	1.12	1.12
12	22-12-4122	136-0151●	1.64	1.45	1.34	1.34	1.34

KK® Square Pin Header (with Friction Lock)

2.54mm Pitch



PCB hole dia.=1.02±0.05

Mfrs. List No. 22-27-2xx1=Straight Header
22-05-7xx8=90° Header
where xx=No of ways

Engineering No. 6410=Straight Header
7395=90° Header

209395

Order Multiple=10

No of Ways	Order Code	10+	100+	200+	500+	1K+	2K5+
Straight Header							
2	973-1148●	0.46	0.43	0.36	0.34	0.28	0.25
3	973-1156●	0.57	0.48	0.44	0.37	0.35	0.31
4	973-1164●	0.69	0.61	0.54	0.47	0.43	0.39
5	973-1679●	0.76	0.64	0.56	0.51	0.46	0.41
6	973-1172●	0.88	0.75	0.63	0.56	0.50	0.45
8	973-1180●	1.11	0.92	0.79	0.70	0.65	0.58
10	973-1580●	1.26	1.09	0.95	0.83	0.75	0.67
12	973-2560●	1.38	1.17	1.03	0.90	0.80	0.72
15	973-2721●	1.29	1.19	1.13	1.09	1.05	1.01
Order Multiple=5							
90° Header							
2	973-1601●	0.36	0.33	0.32	0.31	0.29	0.26
3	973-1610●	0.49	0.45	0.43	0.41	0.37	0.29
4	973-1628●	0.52	0.48	0.46	0.44	0.43	0.37
5	973-1636●	0.57	0.53	0.50	0.48	0.46	0.42
6	973-1644●	0.66	0.60	0.58	0.56	0.53	0.47
8	973-1652●	0.84	0.76	0.72	0.70	0.67	0.59
10	973-1660●	0.96	0.88	0.84	0.81	0.77	0.66
12	973-2578●	1.39	1.27	1.21	1.07	0.96	0.77
15	973-2730●	1.69	1.35	1.21	1.06	0.94	0.80

3.96mm Pitch KK Connectors

- Max 7A
- End stackable crimp socket connectors
- Mates with rigid pin headers assembled in a nylon carrier 'wafer' strip
- Features friction lock, polarising walls and pegs, ensures correct assembly
- Crimp terminals utilise a double cantilever contact design for high uniform contact pressure
- Approvals, **CSA** and **UL** recognised



Maximum voltage	250V ac	Body material	White nylon UL94V-2
Maximum Current	7A		Black nylon UL94V-0
Contact resistance	20mΩ max.	Engage force per circuit	680g max.
Dielectric strength	1.5kV rms for 60 secs	Disengage force per circuit	113g min.
Temperature range	-40°C +105°C		

209440

KK® Wire-to-Board Crimp Terminal Housing (with Locking Ramp)

3.96mm Pitch



Mftrs. List No. 09-91-xx00 where xx=No of ways
Engineering No.3069

209441

Order Multiple=10

No of Ways	Order Code	10+	100+	250+	500+	1K+	2K5+
2	143-157●	0.164	0.150	0.145	0.141	0.123	0.122
3	143-158●	0.200	0.182	0.173	0.162	0.136	0.122
4	143-159●	0.220	0.200	0.197	0.176	0.162	0.136
5	257-485●	0.240	0.210	0.200	0.176	0.162	0.136
6	143-160●	0.240	0.220	0.210	0.190	0.163	0.162
8	143-161●	0.270	0.240	0.220	0.200	0.188	0.162
12	257-497●	0.470	0.430	0.400	0.360	0.290	0.220
13	473-194●	0.460	0.370	0.340	0.290	0.240	0.210
14	473-200●	0.490	0.410	0.360	0.320	0.300	0.240

3.96mm and 5.08mm KK® Crimp Terminals (Wire Size 0.336 to 0.933mm²)

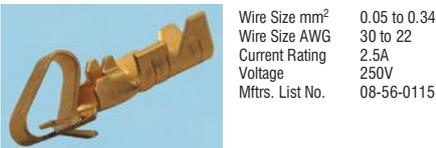


Wire Size mm ²	AWG	Insulation Dia. Max.	Mftrs. List No.	Pack Quantity	Order Code
0.124-0.22	28-22		08-50-0108	100	101-2164
0.336-0.933	24-18		08-50-0106	100	101-2163

209442

Pack Quantity	Order Code	1+	5+	10+
1000	101-2164●	31.12	27.16	21.39
100	101-3097●	4.10	3.65	2.87
1000	101-2163●	31.33	27.36	21.51

Gold Plated KK® Crimp Terminal 2.54mm Pitch



Wire Size mm² 0.05 to 0.34
Wire Size AWG 30 to 22
Current Rating 2.5A
Voltage 250V
Mftrs. List No. 08-56-0115

475759

Pack Quantity	Order Code	100+	500+	1K+	2K5+
100	136-0153●	0.200	0.176	0.166	0.146

3.96mm and 5.08mm KK® Polarising Pins



Mftrs. List No. 15-04-0219. Engineering No. 2560-1

209457

Pack Quantity	Order Code	1+	5+	10+
100	143-195●	12.25	9.74	8.67
1000	143-200●	109.27	101.98	98.06

Hand Crimp Tool for 3.96mm KK® Terminals

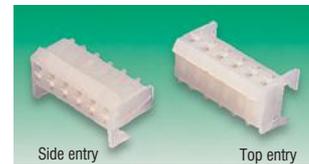


- A full cycle ratcheting hand tool ensuring complete crimps
- Ergonomic soft grip handles for comfortable crimping
- Suitable for crimping KK terminals 18-24 AWG

493244

Terminal Size (AWG)	Order Code	Price Each 1+
18-24	151-8256	215.92

KK® PCB Sockets 3.96mm Pitch



Mftrs. List No. 26-11-6xx4=Side entry 26-11-2xx3=Top entry where xx=No. of ways
Engineering No. 3215-A=Side entry 3215-C=Top entry

209462

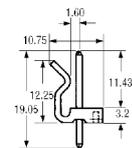
Order Multiple=10

No of Ways	Order Code	1+	100+	250+	500+	1K+	2K5+
Side Entry							
3	973-2373●	0.63	0.58	0.56	0.51	0.43	0.38
4	973-2381●	0.80	0.72	0.69	0.63	0.55	0.48
5	973-2616●	0.93	0.72	0.64	0.56	0.51	0.43
6	973-2390●	1.12	0.90	0.83	0.67	0.60	0.51
8	973-2403●	1.22	0.97	0.90	0.77	0.65	0.56
10	973-2411●	1.33	1.21	1.15	1.08	0.93	0.79
Top Entry							
3	973-2420●	0.63	0.58	0.56	0.52	0.46	0.40
4	973-2438●	0.82	0.75	0.70	0.63	0.55	0.48
6	973-2446●	1.12	0.90	0.83	0.67	0.60	0.52
8	973-2454●	1.23	0.98	0.91	0.77	0.65	0.56
10	973-2462●	1.37	1.24	1.19	1.08	0.93	0.79
12	973-2624●	1.27	1.08	0.94	0.84	0.75	0.68

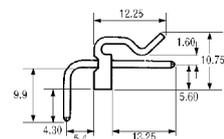
KK® Square Pin Headers (with Friction Lock) 3.96mm Pitch



Straight header with friction lock



90° header with friction lock



Tin plated brass pins. Pin size = 1.14 x 1.14. PCB hole dia = 1.8

Mftrs. List No. 39-26-3xx0=Straight header

Engineering No. 5417=Straight header
5180=90° header

39-28-0xx8=90° header, where xx=No of ways.

209413

Order Multiple=10

No of Ways	Order Code	10+	100+	250+	500+	1K+	2K5+
Straight Header							
2	112-5178●	0.290	0.280	0.270	0.250	0.240	0.210
3	112-5144●	0.390	0.300	0.250	0.240	0.200	0.169
4	112-5145●	0.590	0.550	0.520	0.450	0.410	0.330
5	112-5146●	0.630	0.490	0.450	0.410	0.360	0.300
6	112-5147●	0.710	0.660	0.600	0.550	0.500	0.410
8	112-5148●	0.850	0.780	0.710	0.620	0.560	0.500
10	112-5150●	0.970	0.720	0.670	0.590	0.520	0.440

3.96mm Pitch KK Connectors - continued

KK® Square Pin Headers (with Friction Lock) - continued

3.96mm Pitch - continued

90° Header	Order Code	5+	100+	250+	500+	1K+	2K5+
3	112-5153●	0.890	0.680	0.620	0.550	0.480	0.420
4	112-5158●	1.010	0.800	0.700	0.620	0.550	0.470
5	112-5161●	1.130	0.900	0.810	0.700	0.610	0.520
6	112-5164●	1.270	1.000	0.910	0.800	0.680	0.570
8	112-5165●	1.560	1.230	1.100	0.990	0.870	0.700
10	112-5166●	1.490	1.170	1.080	0.930	0.820	0.700

KK® Breakaway Square Pin Headers

3.96mm Pitch



Straight header 90° header Straight header with friction lock 90° header with friction lock

Snap-to-length 12 or 24 way PCB headers. Pin size = 1.1 x 1.1. PCB hole dia = 1.7.

Mftrs. List No. 26-481xx1 = Straight header, 26-48-1xx2 = 90° Cheader
 Contacts 26-481xx5 = Straight header with friction lock
 26-48-1xx6 = 90° header with friction lock, where xx = No of ways

Engineering No. 41661 = Straight header, 41671 = Straight header with friction lock, 41672 = 90° header with friction lock

No of Ways	Order Code	1+	100+	250+	500+	1K+	2K5+
Straight Header							
12	101-2169●	0.78	0.72	0.69	0.62	0.54	0.46
24	973-2209●	1.94	1.50	0.96	0.82	0.80	0.78
90° Header							
12	101-2170●	0.71	0.65	0.62	0.57	0.49	0.42
24	973-2217●	2.00	1.57	0.99	0.89	0.88	0.85
Straight Header with Friction Lock							
12	973-2225●	0.73	0.59	0.51	0.49	0.48	0.47
24	973-2233●	2.28	1.78	1.13	0.95	0.89	0.88
90° Header with Friction Lock							
12	101-2171●	1.42	1.13	1.02	0.89	0.80	0.67
24	101-2172●	2.62	2.04	1.32	1.27	1.24	1.22



KK® Solid Wire-to-Board Headers

41791 / 41792 series



Vertical



Right Angle



- Sizes 2 to 12 circuits
- Pitch - 3.96mm
- Orientation - vertical and right angle headers available
- Friction lock
- Provides left to right polarization when mated with 41695 crimp housing with the optional polarizing ribs
- Passive locking feature is used with 41791 vertical headers to maintain interconnection, ideal for high vibration applications
- End-to-end stackable
- Flammability Rating - UL94V-0

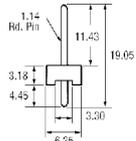
Housing Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
Polyester	Brass	Tin	7A	250VAC	0°C to 75°C

526650

Mftrs. List No.	No. of Ways	Order Code	50+	100+	250+	500+
Orientation - Vertical						
26-60-4020	2	167-5498●	0.112	0.102	0.092	0.082
26-60-4030	3	167-5499●	0.210	0.200	0.184	0.163
26-60-4040	4	167-5500●	0.194	0.184	0.163	0.143
26-60-4050	5	167-5501●	0.250	0.220	0.200	0.184
26-60-4060	6	167-5502●	0.290	0.270	0.250	0.210
26-60-4080	8	167-5504●	0.390	0.360	0.330	0.290
26-60-4100	10	167-5505●	0.490	0.460	0.420	0.370
26-60-4120	12	167-5506●	0.580	0.540	0.500	0.440
Orientation - Right Angle						
26-60-5020	2	167-5507●	0.112	0.102	0.092	0.082
26-60-5030	3	167-5508●	0.163	0.153	0.143	0.122
26-60-5040	4	167-5509●	0.194	0.173	0.163	0.143
26-60-5050	5	167-5510●	0.240	0.220	0.200	0.184
26-60-5060	6	167-5511●	0.290	0.270	0.250	0.210
26-60-5080	8	167-5512●	0.390	0.360	0.330	0.290
26-60-5100	10	167-5513●	0.480	0.450	0.410	0.360
26-60-5120	12	167-5514●	0.570	0.540	0.490	0.430

KK® Straight Round Pin Headers

3.96mm Pitch



PCB hole dia. = 1.50 ± 0.05

Mftrs. List No. 26-20-2xx1 where xx = No of ways. Engineering No. 3192

209479

Order Multiple = 10	No of Ways	Order Code	10+	100+	250+	500+	1K+	2K5+
5		112-5143●	0.54	0.42	0.39	0.35	0.29	0.24



3.96mm Pitch Pin Headers and Sockets

VH Connector Series

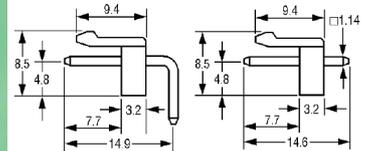


- Compact pcb connector with a large current carrying capacity
- Anti-vibration lock mechanism
- End stackable without loss of circuits
- Approvals: CSA and UL recognised

Current rating:	7A ac/dcA	Insulation resistance:	≥1000MΩ ac/dc
Voltage rating:	250V ac/dcV	Temperature range:	-25°C to +85°C
Withstand voltage:	1500Vac/1minute	Housing:	Nylon 6 UL94V-0

209478

Pin Headers and Sockets



209480

Order Multiple = 5	No of Mftrs. Ways	List No.	Order Code	5+	10+	50+	100+	250+	500+
Header - Top Entry									
2		B2P-VH(LF)(SN)	949-2003●	0.181	0.163	0.143	0.128	0.113	0.088
3		B3P-VH(LF)(SN)	949-2011●	0.220	0.200	0.176	0.157	0.143	0.108
4		B4P-VH(LF)(SN)	949-2020●	0.290	0.270	0.220	0.210	0.178	0.137
Housing									
2		VHR-2N	630-470●	0.058	0.048	0.041	0.038	0.032	0.025
3		VHR-3N	630-482●	0.068	0.053	0.046	0.043	0.036	0.029
4		VHR-4N	630-494●	0.085	0.062	0.054	0.045	0.036	0.033

KK® Crimp Terminal Housings and Markk Terminal 41695 series



- Sizes 2 to 12 circuits
- 3.96mm pitch
- Housings include locking ramp feature
- Polarizing rib feature for side-to-side polarization
- Offset pin entry holes provide 180° polarization
- Mates with 41791 & 41792 Headers



Housing Material	No. of Mating Cycles	Voltage Rating	Withstanding Voltage	Operating Temperature	Flammability Rating
Polyester	25	250VAC	1500VAC	0°C to 75°C	UL94V-0

526650

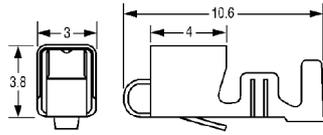
Mftrs. List No.	No. of Ways	Order Code	50+	100+	250+	500+
09-50-8023	2	167-5489●	0.075	0.070	0.064	0.056
09-50-8033	3	167-5490●	0.114	0.107	0.098	0.086
09-50-8043	4	167-5491●	0.150	0.141	0.129	0.112
09-50-8053	5	167-5492●	0.189	0.177	0.162	0.142
09-50-8063	6	167-5493●	0.220	0.210	0.194	0.173
09-50-8083	8	167-5494●	0.300	0.280	0.260	0.220
09-50-8103	10	167-5495●	0.370	0.350	0.320	0.280
09-50-8123	12	167-5496●	0.450	0.420	0.390	0.340

Crimp Terminal	18-20 AWG	Order Code	100+	500+
45570-3050		167-5488●	0.042	0.029

£ € 40,000 PRICES REDUCED



Crimp Terminal



Wire Size mm ²	AWG	Insulation Dia. O.D.	Mftrs. List No.	Order Code
0.33-0.83	22-18	1.7-	SVH-21T-P1.1	630-500

209481

Order Multiple=10 Order Code	10+	Price Each 100+	250+	500+
630-500	0.086	0.075	0.064	0.052

Crimp Tool



209482

Mftrs. List No.	Order Code	Price Each 1+
WC-160	400-6252	273.48

Crimp Housings, Headers and Contacts



- Rugged connector system featuring 0.79 x 1.57mm posts with mating receptacles
- 5 Amp current rating
- Contacts available in tin and gold plating
- Flame retardant thermoplastic housings to UL 94V-1

- Shrouded pin headers are polarised and detented

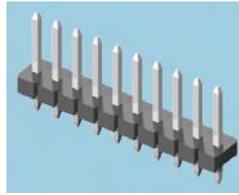
386441

No. of Ways	Mftrs. List No.	Order Code	10+	50+	100+	500+
Order Multiple=10						
Receptacle Housings						
2	280590	869-3005	0.121	0.109	0.103	0.098
4	280591	869-3013	0.290	0.260	0.250	0.220
6	280592	869-3021	0.380	0.350	0.340	0.330
8	280593	869-3030	0.470	0.430	0.420	0.410
10	280594	869-3048	0.550	0.520	0.490	0.470
12	280595	869-3056	1.100	1.030	0.970	0.930
Polarising Pin	87116-2	869-3099	0.370	0.320	0.290	0.250
Pin Headers - Straight Tin Plated						
2	280609-1	869-3102	0.186	0.173	0.162	0.151
4	280610-1	869-3129	0.470	0.450	0.420	0.390
6	280611-1	869-3145	0.560	0.510	0.490	0.470
8	280612-1	869-3170	0.640	0.600	0.580	0.560
10	280613-1	869-3196	0.770	0.720	0.670	0.640
12	280614-1	869-3218	0.630	0.580	0.560	0.530
Pin Headers - 90° Tin Plated						
2	280615-1	869-3234	0.240	0.210	0.200	0.196
4	280616-1	869-3250	0.430	0.410	0.390	0.350
Order Multiple=1						
Pin Headers - Straight Gold Plated						
2	280609-2	869-3110	0.310	0.290	0.280	0.250
4	280610-2	869-3137	0.840	0.770	0.750	0.720
6	280611-2	869-3153	1.290	1.190	1.140	1.090
8	280612-2	869-3188	1.300	1.210	1.140	1.090
10	280613-2	869-3200	1.200	1.120	1.070	1.030
Pin Headers - 90° Gold Plated						
2	280615-2	869-3242	0.350	0.340	0.320	0.310
6	280617-2	869-3285	1.190	1.100	1.070	1.040
10	280619-2	869-3323	1.230	1.150	1.110	1.060
12	280620-2	869-3340	3.190	2.980	2.850	2.720
Contacts - 18 - 22 AWG						
Tin	181299-1	869-3072	0.137	0.123	0.110	0.095
Tin, High	182198-1	869-3080	0.137	0.123	0.110	0.095
Contact Pressure	181299-2	869-3064	0.700	0.630	0.580	0.540
Gold Plate						
Tooling						
Pro Crimper	1285002-1	869-3358	232.960	--	--	--
Extraction Tool	843473-1	348-3897	12.510	11.760	11.260	10.780

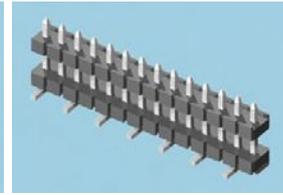
3.96mm Power Headers



FWJ, JW series



FWJ



JW

New

- Key Features FWJ series:-
- Profile height - 3.18mm
 - Pin length - 11.43mm
 - Through Hole
 - Single row
 - Pitch - 3.96mm
 - Mates with Samtec's FHP series

- Key Features JW series:-
- Profile height - 3.18mm
 - Two stack heights available - 6.35mm, 11.43mm
 - Post height - 6.35mm
 - Through Hole
 - Single row
 - Pitch - 3.96mm
 - Mates with Samtec's FHP series

Series	Insulator Material	Contact Material	Contact Plating
FWJ	Glass Filled Polyester	Phosphor Bronze	Tin
JW	LCP	Phosphor Bronze	Tin

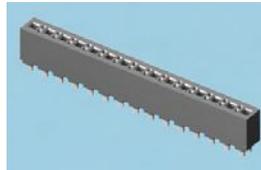
527300

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
FWJ series							
FWJ-04-01-T-S	4	166-7780	0.75	0.73	0.71	0.69	0.67
FWJ-10-01-T-S	10	166-7781	1.58	1.53	1.49	1.45	1.41
FWJ-13-01-T-S	13	166-7782	1.92	1.87	1.82	1.77	1.73
JW series, Stack Height 6.35mm							
JW-04-04-T-S-250-250	4	166-7831	0.96	0.94	0.91	0.89	0.86
JW-10-04-T-S-250-250	10	166-7833	1.97	1.92	1.87	1.82	1.77
JW-13-04-T-S-250-250	13	166-7835	2.49	2.42	2.36	2.30	2.23
JW series, Stack Height 11.43mm							
JW-04-04-T-S-450-250	4	166-7832	0.96	0.94	0.91	0.89	0.86
JW-10-04-T-S-450-250	10	166-7834	1.97	1.92	1.87	1.82	1.77
JW-13-04-T-S-450-250	13	166-7836	2.49	2.42	2.36	2.30	2.23

3.96mm Power Sockets



FHP series



- Comes with Samtec's Power Eye contacts
- Profile height - 8.89mm
- Through Hole
- Single row
- Pitch - 3.96mm
- Mates with Samtec's FWJ and JW series

New

Insulator Material	Contact Material	Contact Plating
LCP	Beryllium Copper	Tin

527257

Mftrs. List No.	No. of Ways	Order Code	1+	10+	50+	100+	250+
FHP series							
FHP-04-01-T-S	4	166-7668	1.92	1.19	0.97	0.81	0.73
FHP-10-01-T-S	10	166-7669	2.89	1.87	1.53	1.29	1.18
FHP-13-01-T-S	13	166-7670	3.44	2.26	1.86	1.57	1.46

3.96mm Crimp Terminal Housings



2214H Series



- Pitch - 3.96mm
- Flammability Rating - UL94V-0
- Operating Temperature- -40°C to 105°C
- Mates with 2214S & 2214R series

New

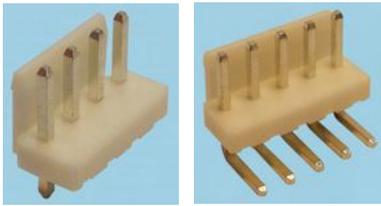
Specifications:-	7A	Voltage Rating	250V AC/DC
Current Rating	Brass	Contact Plating	Tin
Contact Material	Nylon 6.6		
Insulator Material			

528658

No. of Ways	Order Code	10+	100+	250+	500+	1K+
2	167-5782	0.068	0.052	0.043	0.036	0.030
3	167-5784	0.102	0.077	0.063	0.053	0.046
4	167-5785	0.135	0.103	0.084	0.071	0.061
5	167-5786	0.168	0.129	0.104	0.088	0.076
6	167-5787	0.200	0.155	0.126	0.105	0.091
8	167-5788	0.270	0.210	0.167	0.140	0.121
10	167-5789	0.340	0.260	0.210	0.175	0.151
12	167-5790	0.400	0.310	0.250	0.210	0.182
Crimp Pin						
18 - 22AWG	167-5809	0.044	0.033			

3.96mm Pitch Pin Headers and Sockets - continued

3.96mm Square Pin Headers 2214S / 2214R Series



- Pitch - 3.96mm
- Orientation - Vertical or Right Angle
- Flammability Rating - UL94V-0
- Operating Temperature- -40°C to 105°C

Current Rating	7A	Voltage Rating	250V AC/DC
Contact Material	Brass	Contact Plating	Tin
Insulator Material	Nylon 6.6		

528659

No. of Ways	Order Code	Price Each				
		10+	100+	250+	500+	1K+
Vertical						
2	167-5791●	0.168	0.129	0.104	0.088	0.076
3	167-5792●	0.250	0.194	0.157	0.131	0.113
4	167-5793●	0.340	0.260	0.210	0.175	0.151
5	167-5794●	0.430	0.330	0.260	0.220	0.190
6	167-5796●	0.510	0.390	0.310	0.260	0.230
8	167-5797●	0.680	0.520	0.430	0.360	0.300
10	167-5798●	0.850	0.650	0.530	0.440	0.380
12	167-5799●	1.020	0.770	0.630	0.530	0.460
Right Angle						
2	167-5800●	0.270	0.192	0.149	0.122	0.103
3	167-5802●	0.400	0.290	0.220	0.184	0.155
4	167-5803●	0.540	0.390	0.300	0.250	0.210
5	167-5804●	0.670	0.480	0.380	0.310	0.260
6	167-5805●	0.810	0.580	0.450	0.370	0.310
8	167-5806●	1.080	0.770	0.610	0.490	0.420
10	167-5807●	1.350	0.970	0.750	0.620	0.520
12	167-5808●	1.620	1.160	0.900	0.740	0.630



KK® Crimp Terminal Housings 5.08mm Pitch



Mfrs. List No. 10-01-1xx4 where xx=No of ways
Engineering No. 3001

219786

Order Multiple=10 No of Ways	Order Code	Price Each					
		10+	100+	250+	500+	1K+	2K5+
2	143-181●	0.220	0.200	0.177	0.176	0.162	0.122
3	143-182●	0.270	0.220	0.200	0.191	0.190	0.136
4	143-183●	0.270	0.250	0.240	0.220	0.200	0.150
5	257-539●	0.340	0.310	0.290	0.260	0.200	0.162
6	143-184●	0.350	0.310	0.290	0.260	0.200	0.176
8	143-185●	0.440	0.410	0.380	0.310	0.290	0.220
10	973-1385●	0.470	0.440	0.420	0.400	0.370	0.260
12	257-540●	0.730	0.620	0.550	0.500	0.440	0.370

KK® PCB Sockets - Top Entry 5.08mm Pitch



Mfrs. List No. 10-10-1xx3, where xx=No. of ways.
Engineering No.3002-C

209500

Order Multiple=5 No of Ways	Order Code	Price Each					
		5+	100+	250+	500+	1K+	2K5+
2	114-2853●	0.42	0.38	0.36	0.35	0.32	0.22
3	114-2855●	0.52	0.48	0.46	0.44	0.43	0.31
4	114-2856●	0.62	0.58	0.55	0.53	0.51	0.37
6	114-2858●	0.83	0.76	0.71	0.60	0.54	0.49
8	114-2861●	1.09	1.01	0.97	0.93	0.87	0.60
10	114-2862●	1.32	1.21	1.16	1.11	1.06	0.70
12	973-2632●	1.61	1.48	1.34	1.17	1.01	0.86

5.0mm Pitch Connectors

Waterproof Headers WPJ Series



- 5mm Pitch
- Water Proof Performance
- Control Key System to prevent mis-insertion
- Interlocking System
- Compact Design

Current rating	7A @ °C	Wire Size	22 to 18 AWG
Temperature range	-25°C to +85°C	Housing	Glass filled PBT

484531

Order Multiple=5 No. of Ways	Colour	Mfrs. List No.	Order Code	Price Each		
				5+	100+	500+
PCB Header						
2	Natural	B02B-WPJSS-1(LF)(SN)	142-5983●	0.310	0.280	0.240
2	Red	B02B-WPJRS-2(LF)(SN)	142-5984●	0.320	0.290	0.270
2	Blue	B02B-WPJES-3(LF)(SN)	142-5986●	0.320	0.290	0.270
3	Natural	B03B-WPJSS-1(LF)(SN)	142-5987●	0.380	0.350	0.320
3	Red	B03B-WPJRS-2(LF)(SN)	142-5988●	0.390	0.370	0.330
3	Blue	B03B-WPJES-3(LF)(SN)	142-5989●	0.390	0.370	0.330
Housing						
2	Natural	O2R-WPJV-1-SMM(N)	142-5990●	1.500	1.380	1.240
2	Red	O2R-WPJV-2-RMM(N)	142-5991●	1.510	1.400	1.250
2	Blue	O2R-WPJV-3-EMM(N)	142-5992●	1.510	1.400	1.250
3	Natural	O3R-WPJV-1-SMM(N)	142-5993●	1.810	1.670	1.510
3	Red	O3R-WPJV-2-RMM(N)	142-5994●	1.820	1.680	1.520
3	Blue	O3R-WPJV-3-EMM(N)	142-5995●	1.820	1.680	1.520
Order Multiple=10				10+	100+	500+
Contact	BWP-JR-21T-M0.5		142-5996●	0.078	0.067	0.057
Order Multiple=1				1+		
Handtool	WC-WPJ		142-5998		280.910	

5.08mm Pitch KK Connectors

- Max 7A
- Same specification as the 0.156" connectors
- For 3.96mm pitch SEE PAGE 1743



Maximum voltage	250V ac	Engaged force per circuit	680g max.
Maximum current	7A	Disengage force per circuit	113g min.
Temperature range	-40°C to +105°C	Wire conductor diameter	0.336 - 0.933mm ²
Contact resistance	20mΩ max.		0.124 - 0.22mm ²
Dielectric strength	1.5kV rms for 60 secs	Insulation diameter (max)	2.79mm
Body	Clear Nylon UL94V-2		1.65mm

219783

KK® Square Pin Headers 5.08mm Pitch

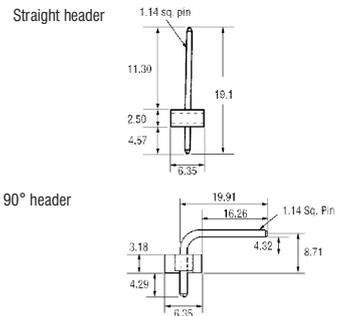


PCB hole dia. = 1.57 0.00 -0.13

Mfrs. List No. 10-16-1xx1= Straight Header, 10-06-1xx5=90° Header, where xx=No of ways
Engineering No. 3008= Straight Header, 3061=90° Header

209511

Order Multiple=10 No of Ways	Order Code	Price Each					
		10+	100+	250+	500+	1K+	2K5+
Straight Header							
2	973-1393●	0.290	0.270	0.220	0.190	0.176	0.136
3	973-1407●	0.350	0.310	0.300	0.290	0.270	0.176
4	973-1415●	0.420	0.380	0.360	0.340	0.310	0.210
5	973-2640●	0.420	0.390	0.360	0.350	0.340	0.210
6	973-1423●	0.590	0.540	0.500	0.440	0.400	0.320
8	973-1431●	0.780	0.710	0.680	0.620	0.590	0.430
10	973-1440●	0.970	0.870	0.820	0.770	0.730	0.520
12	973-2659●	1.130	1.030	0.970	0.930	0.860	0.590
90° Header							
2	973-2470●	0.940	0.850	0.800	0.760	0.710	0.520
3	973-2489●	1.200	1.080	1.020	0.930	0.900	0.610
Order Multiple=1				1+	100+	250+	500+
4	973-2497●	1.370	1.260	1.200	1.150	1.110	0.810
6	973-2500●	1.970	1.800	1.620	1.420	1.240	1.070
8	973-2519●	2.470	2.220	2.100	2.010	1.910	1.300
10	973-2527●	2.940	2.680	2.500	2.380	2.310	1.570



5.08mm Pitch Pin Headers and Sockets

LC Series 4 Pole Connector
Pitch 5.08mm



- Plug and header are polarised to prevent misalignment
- Disconnectable crimp style connectors
- Self locking housing clamp for easy handling and sturdy mounting
- Type A and Type B headers to match the mounting direction of PCB
- Approvals: **CSA, UL** recognised

Current rating	7A AC/DC	Contact resistance	10mΩ max.
Temperature range	-25°C to +90°C	Housing Material	Nylon 6.6
Insulation resistance	1000MΩ	Applicable wire sizes	22 AWG to 18 AWG
Voltage rating	250VAC/DC		

Mfrs List No. LCP-04 = 361-6125 LC-04T = 361-6137 LC-04A = 361-6149
LC-04B = 361-6150 WC-310 = 361-7294

Order Multiple=10	Order Code	Price Each			
		10+	100+	500+	2K+
4 Pole Housing	361-6125	0.240	0.185	0.157	0.139
Shrouded Headers					
Top Entry	361-6137	0.340	0.280	0.240	0.220
Side Entry, Type A	361-6149	0.330	0.270	0.240	0.220
Side Entry Inverted, Type B	361-6150	0.320	0.260	0.240	0.210

Order Multiple=100	Order Code	Price Each			
		100+	500+	1K+	4K+
Housing Clamp	361-6162	0.032	0.025	0.020	0.017
Contacts	361-6174	0.037	0.029	0.028	0.026

PCB Mount Lighting Connectors

Poke-In Wire Lighting Connectors
SMT and Thru-Hole



The low profile SMT and Thru-Hole Poke-In Wire connectors are designed for lighting applications such as LED Lighting Controls, general illumination LED fixtures, interconnecting strings of printed circuit LED light modules and various non-lighting applications that require attaching flying leads to PCBs.

Available in surface mount and thru-hole tape and reel packaging, the connectors are designed to accept a wide range of wire sizes and types.

Key Features:-

- Connectors are available in 1 and 2 positions
- Accepts 18, 20 and 22 AWG solid wire; 18 and 20 AWG pre-bond stranded wire; 18 AWG stranded wire
- Low profile design
- Rounded corners to minimize shadowing
- Flat top surface allows for vacuum pickup
- High temperature material for reflow processing
- Redundant SMT pads prevent peeling
- Side by side stackable with pads on 4mm centers
- RoHS compliant
- Cost effective alternative to hand soldering wires to printed circuit boards

Housing Material	Rated Current	Rated Voltage	Dielectric Withstanding Voltage	Operating Temperature
High Temp. Thermoplastic	5A	250V	1500V	-40 to 105°C

Mfrs. List No.	Mounting Type	No. of Ways	Order Code	Price Each		
				1+	50+	100+
1954097-1	SMT	2	161-9050	0.31	0.28	0.25
2008106-1	Thru-Hole	2	163-8937	0.48	0.42	0.33
2008563-1	SMT	1	163-8938	0.34	0.29	0.23
2008839-1	Thru-Hole	1	163-8939	0.34	0.29	0.23

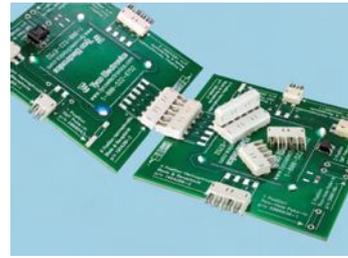
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Hermaphroditic Blade and Receptacle Connectors



The Hermaphroditic Blade and Receptacle connector is a new SMT connector and is intended for use with in-line board-to-board LED lighting applications such as LED controls, LED lighting modules, incandescent lighting strips and channel lettering.

Key Features:-

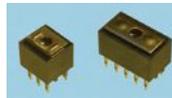
- Available in 2, 4, and 6 positions
- Connector mates to itself
- Single part to be stocked and placed onto pcb per position
- Connector mates and unmates horizontally and vertically -3 axis mating
- Connector can be articulated from 90° to 180°
- Tape and reel packed for high speed SMT processes
- Low profile flat surface (3.9mm) is compatible with SMT and reflow processing
- Rounded corners to minimize shadowing
- Redundant SMT pads
- Solder pad footprint compatible with Tyco Electronics SMT Poke-In LED connector
- RoHS compliant

Housing Material	Contact Material	Contact Plating	Current Rating	Voltage Rating	Dielectric Withstanding Voltage	Operating Temperature
High Temp. Thermoplastic	Copper Alloy	Tin	5A	90V AC/DC	1500VAC	-40 to 105°C

Mfrs. List No.	Colour	No. of Ways	Order Code	Price Each			
				5+	50+	100+	500+
1954289-1	White	2	163-8940	0.41	0.39	0.34	0.27
1-1954289-1	Black	2	163-8941	0.41	0.39	0.34	0.27
1954289-2	White	4	163-8942	0.81	0.76	0.68	0.56
1-1954289-2	Black	4	163-8943	0.81	0.76	0.68	0.56
1954289-3	White	6	163-8945	1.11	1.05	0.93	0.76
1-1954289-3	Black	6	163-8946	1.11	1.05	0.93	0.76

Power PCB Connectors

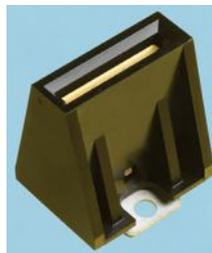
EXtreme ZPower™ Connector



- Low contact resistance is ideal for high current applications
- Rigid, screw-down interface ensures a high-pressure, reliable contact
- Board-to-board or wire-to-board interface provides flexible design options

Order Multiple=5	No. of Ways	Mfrs. List No.	Order Code	Price Each				
				5+	100+	250+	500+	1K+
	6	76001-0106	152-0162	1.44	1.19	1.09	0.95	0.89
	10	76001-0110	152-0164	1.59	1.30	1.16	1.02	0.96

Bus Bar Xocket
Hot-Pluggable, High-Current



This BBC is a compact, high current connector for direct mating of two perpendicular power bus bars. Typical applications include Telecommunication equipment, high/mid range computing and Bus Bar power distribution.

- Low voltage drop for minimal heat generation
- Isolated left and right contacts
- Current Rating up to 320A
- Top entry

Mfrs. List No.	Order Code	Price Each		
		1+	10+	50+
45711-1000	151-6181	7.10	6.31	5.68

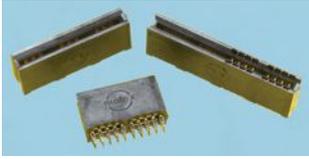
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Stackable Power Connectors

Power Edge™ Card Edge or Bus Bar Connectors **molex**
12.90mm Pitch



- Connector assemblies available in two, three and four segments (two contacts per segment) provide great flexibility for power distribution applications
- End-to-end stackable segments provide greater flexibility
- 40A current rating per contact for high current requirements

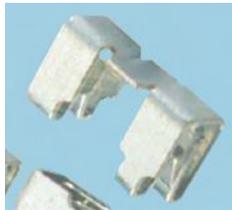
Voltage rating 250V ac/dc Temperature range -40°C to 105°C Contact Copper Alloy
Current rating 40A Housing Glass filled LCP Contact Plating Select Gold

494097

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+
2 Power	45719-0004	150-6372●	4.71	4.33	4.09	4.09
3 Power	45719-0005	150-6373●	7.10	6.58	6.29	6.29
4 Power	45719-0006	150-6374●	9.33	8.64	8.26	8.26
2 x 8 Signal	45844-0001	150-6375●	8.22	7.65	6.94	6.94
3 x 8 Signal	45844-0002	150-6376●	11.19	10.41	9.45	9.45
2 Power 8 Signal	45911-0001	150-6378●	7.30	6.79	6.16	6.16
4 Power 8 Signal	45911-0007	150-6379●	10.05	9.35	8.48	8.48
8 Signal 4 Power	45911-0011	150-6380●	10.66	9.91	8.99	8.99

RF Shielding Connectors

RF Shield Lock Contacts



New

Excellent design tool that enables RF design engineers to quickly place and remove RF shields onto PCBs without the need to desolder or solder. By surface mounting the shields onto the board, shields can be pressed into place and easily levered off if adjustments need to be made to the RF circuit.

Features:-

- Designed for RF Shielding
- 1.8mm and 3.0mm height available
- Applicable to 0.2mm shield case thickness
- Two locking point secure holding feature
- Easy removal of shield case

Contact Material	Contact Plating	Current Rating	Voltage Rating	Operating Temperature
Copper Alloy	Tin	0.5A	5V AC/DC	-30°C to 80°C

523683

Mftrs. List No.	Height	Order Code	10+	100+	250+
04 8069 000 000 800+	3mm	155-8180●	0.126	0.121	0.115
04 8069 000 100 800+	1.8mm	155-8181●	0.126	0.121	0.115

PCB Mounting Terminal Blocks

PCB Terminal Blocks



Open Construction Lift System, Moulded Housing Spring Contact

- Single terminal block
- Solderable
- Horizontal wire entry
- Open construction / lift system
- Double solder pins
- Screw brought down by hand

New

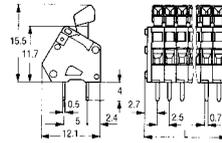
Mftrs. List No.	Rated Current	Rated Voltage	AWG	Tightening Torque	Solder Pin Dimension	PCB Hole ∅	Solder Pin Length
360272	15A	-	14-26	3.5 lb-in max.	2 x 1.0mm	1.5mm	3.5mm
360410	15A	-	18-30	4.4 lb-in max.	2 x 1.0mm	1.5mm	3.5mm
360322	15A	-	16-30	6 lb-in max.	2 x 1.0mm	1.5mm	3.5mm
360291	15A	50V	14-22	7 lb-in max.	2 x 1.0mm	1.5mm	3.5mm

528782

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
Open Construction							
1	360272	168-8167●	0.45	0.42	0.35	0.32	0.30
1	360410	168-8168●	0.51	0.47	0.40	0.36	0.34
Open Construction, Wire Protector							
1	360322	168-8171●	0.55	0.51	0.43	0.39	0.36

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
Lift System, Moulded Housing							
1	360291	168-8174●	0.59	0.55	0.47	0.42	0.39
Spring Contacts							
AWG	Mftrs. List No.	Order Code	10+	50+	100+	500+	
16-18	ASMO1Y0164	168-8172●	0.27	0.25	0.21	0.19	
14-26	ASMO1W0164	168-8173●	0.27	0.25	0.21	0.19	

Cage Clamp 6A
2.5mm Pitch



PCB hole dia. =1.1



Cage clamp mechanism

L = (No. of poles x 2.5) + 2.3

- Vibration proof spring cage for fast reliable operation
- Lever action operation, accommodates wire strip length 5-6mm
- End stackable by removing one end plate
- Approvals **CSA** (4A @ 150V) and **BV**, **UL** (4A @ 125V),

Maximum voltage	250V ac (Group A) 125V ac (Group B)	Cage clamp spring Contact	Chrome nickel spring steel
Current rating	6A	Housing	Copper, tin/lead plated
Maximum temperature	105°C	Colour	Nylon 6.6
		Wire size	Light Grey 0.08-0.5mm ²

Mftrs. List No:	233202=1283532, 233206=1283536,	233203=1283533, 233208=1283537,	233204=1283535, 233212=1283538
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209422

No of Ways	Order Code	1+	50+	100+	500+	1K+
2	128-3532●	0.55	0.51	0.47	0.41	0.39
3	128-3533●	0.77	0.71	0.67	0.59	0.55
4	128-3535●	1.03	0.96	0.90	0.81	0.73
6	128-3536●	1.44	1.34	1.26	1.13	1.04
8	128-3537●	1.96	1.82	1.71	1.51	1.40
12	128-3538●	2.93	2.71	2.56	2.27	2.10

MPT Series 6A
2.54mm Pitch



- Multi position micro printed circuit termination block
- Pitch 2.54mm
- Screw termination
- Use in miniature modules or in terminal equipment

Wire Size	0.14mm ² to 0.5mm ²	Suitable Screwdriver	0.4 x 2.0mm blade
Current Rating	6A		

230246

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	1+	25+	100+	250+
2	MPT0.5/2-2.54	1725656	304-1359●	0.41	0.33	0.31	0.29
3	MPT0.5/3-2.54	1725669	304-1360●	0.72	0.68	0.65	0.58
4	MPT0.5/4-2.54	1725672	304-1414●	0.82	0.77	0.71	0.67
6	MPT0.5/6-2.54	1725698	304-1426●	1.44	1.36	1.30	1.15
8	MPT0.5/8-2.54	1725711	304-1438●	1.92	1.83	1.72	1.57

FFKDS Series 15A
2.54mm Pitch



- Spring terminal block with lever actuation
- Single contact, can be stacked individually
- Horizontal and right angled version
- Pitch 2.54mm

Wire Size	0.14 - 1.5mm ²
Current Rating	12A

230257

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	1+	20+	50+	100+
Spring Terminal Block							
1 Horizontal	FFKDS/H-2.54	1791826	304-1050●	0.250	0.191	0.180	0.170
1 Vertical	FFKDS/V-2.54	1791813	304-1062●	0.250	0.191	0.180	0.170

LM Series. PCB Terminal Blocks
3.5mm pitch



- A range of terminals in 3.5mm pitch
- Rising clamp technology for cable size up to 1.5mm²
- Modular stacking for double level or high density requirements
- End to end stacking without loss of Pitch
- **CSA and VDE approved, UL recognised**

Maximum Voltage 300V Flammability Class UL94V-2
Current Rating 10A Material PA66 339306

No of Ways	Mftrs. List No.	Order Code	Price Each				
			5+	25+	100+	250+	500+
Low Level Terminals							
2	LM3.5/02/90 3.2	113-1857	0.40	0.39	0.37	0.33	0.31
3	LM3.5/03/90 3.2	113-1858	0.57	0.54	0.51	0.46	0.42
Medium Level Terminals							
2	LM1N 3.5/2 3.2	113-1859	0.71	0.64	0.62	0.56	0.51
Double Level Terminals							
4	LM 2N 3.5/4	113-1861	1.20	1.12	1.10	1.00	0.92
8	LM 2N 3.5/8	113-1865	2.42	2.29	2.22	2.01	1.85
10	LM 2N 3.5/10	113-1866	3.04	2.85	2.75	2.50	2.28
12	LM 2N 3.5/12	113-1867	3.57	3.37	3.27	2.98	2.72
16	LM 2N 3.5/16	113-1868	4.73	4.55	4.44	4.03	3.68

Rising Clamp Type PCB Terminal
3.5mm Pitch, Interlocking



- 3.5mm Pitch for high density applications
- Miniature design ideal where space is limited
- Rising clamp for enhanced cable retention
- Integral test probe socket

Pitch 3.5mm Temperature range -40°C To 125°C
Max cable size 1mm² Clamp Nickel Plated Brass
Max voltage 160V ac Clamp screw Galvanised Steel
Max current 10A Material Light grey polyamide. UL94V-0 337928

Order Multiple=5

No. of Ways	Mftrs List No	Order Code	Price Each			
			5+	50+	100+	500+
2	25.195.0253.0	114-2156	0.52	0.46	0.45	0.43
3	25.195.0353.0	114-2157	0.65	0.58	0.55	0.46
4	25.195.0453.0	114-2158	0.86	0.77	0.73	0.72
5	25.195.0553.0	114-2159	0.95	0.91	0.87	0.85
5	25.195.0553.0	121-8760	1.22	1.17	1.13	1.11
6	25.195.0653.0	121-8763	1.38	1.34	1.28	1.26
8	25.195.0853.0	117-2823	1.50	1.44	1.38	1.36
10	25.195.1053.0	117-2824	1.88	1.82	1.73	1.70
12	25.195.1253.0	117-2825	2.24	2.18	2.11	2.03

Interlocking Ultra Low Profile Terminal Blocks 9A



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Rising clamp terminals
- Guided pin alignment/anti wicking
- Approvals: **CE, UL** recognised

H = 9.1, W = 7.3, Pitch = 3.5, PCB hole dia. = 1.1

Maximum Voltage 130V Maximum Wire Size 0.75mm²
Current Rating 9A Clamping Screw M2 Zinc plated Steel 0.3Nm
Temperature Range -20°C to 125°C Housing PA66 UL94V-0
Rising Clamp Nickel plated Brass Colour Green 232101

Mftrs. List No.	Order Code	Price Each			
		1+	100+	500+	1K+
2 way CTB0305/2	388-2639	0.300	0.210	0.198	0.185
3 way CTB0305/3	388-2640	0.430	0.330	0.300	0.290

Interlocking Ultra Low Profile Terminal Blocks 10A
3.5mm Pitch



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Stainless steel wire protector
- Guided pin alignment/anti wicking
- **UL & CSA** recognised

H = 8.40, W = 7.0, Pitch = 3.5, PCB hole dia. = 1.1

Maximum Voltage 125V Maximum Wire Size 1mm²
Current Rating 10.0A Clamping Screw M2 Zinc plated Steel 0.4Nm
Temperature Range -33°C to 125°C Housing PA66 UL94V-0
Rising Clamp Stainless Steel Colour Black 232099

Mftrs. List No.	Order Code	Price Each			
		1+	100+	500+	1K+
2 way CTB3051/2	388-2615	0.210	0.128	0.116	0.102
3 way CTB3051/3	388-2627	0.340	0.280	0.240	0.220

AIT023 IDC Terminal Blocks
3.5mm Pitch



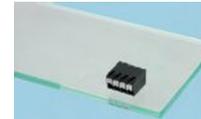
- Solderable
- 3.5mm Pitch
- Horizontal wire entry
- Without lever



Specifications:- Current Rating 2.5A Voltage Rating
Insulating Material Class CTI 600 Protection Category IP20
PCB Hole dia. 1.5mm Solder Pin Dimension 0.6 x 1.2mm
Solder Pin Length 3.5mm 528887

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	25+	250+	500+	
1	AIT0230104	168-8281	0.44	0.41	0.34	0.31	0.29

AST213 / AST223 Spring Clamp Terminal Blocks
3.5mm Pitch



Vertical Wire Entry Horizontal Wire Entry

- Solderable
- 3.5mm Pitch
- Vertical / horizontal wire entry
- Double solder pins

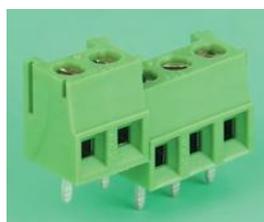


15

Specifications:- Current Rating 12A Voltage Rating 130V
Insulating Material Class CTI 600 Protection Category IP20
Min. Insulation Strip Length 8.5mm Solder Pin Dimension 0.4 x 0.8mm
PCB Hole dia. 1.2mm (AST213) / 1.1mm (AST223) Solder Pin Length 3.5mm (AST213) / 1.5mm (AST223) 528886

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
Vertical Wire Entry							
2	AST2130202	168-8275	0.78	0.74	0.62	0.56	0.52
3	AST2130302	168-8276	1.18	1.10	0.93	0.84	0.78
4	AST2130402	168-8277	1.57	1.47	1.24	1.12	1.05
Horizontal Wire Entry							
2	AST2230202	168-8278	0.78	0.74	0.62	0.56	0.52
3	AST2230302	168-8279	1.18	1.10	0.93	0.84	0.78
4	AST2230402	168-8280	1.57	1.47	1.24	1.12	1.05

Interlocking Ultra Low Profile Terminal Blocks 9A
3.81mm Pitch



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Rising clamp terminals
- Guided pin alignment/anti wicking
- Approvals: **CE, UL** recognised

H = 9.10, W = 7.3, Pitch = 3.81, PCB hole dia. = 1.1

£ € 40,000 PRICES REDUCED



PCB Mounting Terminal Blocks - continued

Interlocking Ultra Low Profile Terminal Blocks 9A - continued

3.81mm Pitch - continued

Maximum Voltage	130V	Maximum Wire Size	0.75mm ²
Current Rating	9.0A	Clamping Screw	M2 Zinc plated Steel 0.4Nm
Temperature Range	-20°C to 125°C	Housing	PA66 UL94V-0
Rising Clamp	Nickel plated Brass	Colour	Green

232102

		Price Each				
Mfrs. List No.	Order Code	1+	100+	500+	1K+	
2 way CTB0308/2	388-2652	0.330	0.230	0.210	0.199	
3 way CTB0308/3	388-2664	0.430	0.330	0.300	0.290	

MKDS1 Series 10A
3.81mm Pitch



- Multi position printed circuit termination blocks
- Pitch 3.81mm
- Insulating Material Group 1

Wire Size	0.14mm ² to 1.5mm ²			
Current Rating	10A			
Surge Voltage Category	Class	Rated Voltage	Rated Surge Voltage	
III	3	160	2.5	
III	2	160	2.5	
II	2	320		

230326

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	1+	25+	100+	250+
2	MKDS1/2-3.81	1727010	370-4579	0.46	0.44	0.41	0.39
3	MKDS1/3-3.81	1727023	370-4580	0.94	0.73	0.66	0.61
4	MKDS1/4-3.81	1727036	370-4592	1.24	1.00	0.90	0.83
5	MKDS1/5-3.81	1727049	370-4609	1.16	0.99	0.91	0.84
6	MKDS1/6-3.81	1727052	370-4610	1.86	1.50	1.35	1.23
7	MKDS1/7-3.81	1727065	370-4622	1.70	1.58	1.52	1.44
8	MKDS1/8-3.81	1727078	370-4634	1.94	1.81	1.72	1.63
9	MKDS1/9-3.81	1727081	370-4646	2.15	2.01	1.93	1.85
10	MKDS1/10-3.81	1727094	370-4658	2.29	2.16	2.04	1.93
11	MKDS1/11-3.81	1727104	370-4660	2.54	2.14	1.98	1.82
12	MKDS1/12-3.81	1727117	370-4671	2.76	2.35	2.15	1.98

Interlocking 10A

3.5mm/3.81mm/5.0mm/5.08mm Pitch



- PCB mount straight side entry wire connectors
- Screw termination
- With interlock
- Funnel wire entry
- Open bottom construction: Solder fumes and dirt cannot lay down inside the housing
- Fully washable and IR solderable
- UL and CSA recognised

Material Housing	Blue Nylon NY-FR15, UL94V-0	Voltage Rating	200V AC
Material Screw	Steel	Wire Size	14 - 22AWG
Contact Plating	Tin	Pin Ø	0.9mm
Contact Rating	10A	Pin Length	4.20mm

232141

		Price Each				
No. of Ways	Mfrs. List No.	Order Code	1+	100+	500+	1K+
Straight Version, 3.5mm Pitch						
2	1776275-2	109-8611	0.32	0.29	0.28	0.26
Straight Version, 5.0mm Pitch						
4	1776491-4	109-8619	0.89	0.78	0.70	0.65
45° Version, 5.0mm Pitch						
3	1776252-3	109-8613	0.56	0.49	0.48	0.44

AST024 Spring Clamp Terminal Blocks

3.81mm Pitch



- Solderable
- 3.81mm Pitch
- Horizontal wire entry



Specifications:-	6A	Voltage Rating	130V
Current Rating	CTI 600	Protection Category	IP20
Insulating Material Class	6mm	Solder Pin Dimension	0.8 x 0.8mm
Min. Insulation Strip Length	1.3mm	Solder Pin Length	5mm
PCB Hole dia.			

528872

No. of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
2	AST0240204	168-8259	0.71	0.66	0.56	0.51	0.47
3	AST0240304	168-8260	1.06	0.99	0.84	0.76	0.71
4	AST0240404	168-8262	1.41	1.33	1.12	1.01	0.94
5	AST0240504	168-8263	1.77	1.66	1.40	1.26	1.18
6	AST0240604	168-8264	2.12	1.99	1.67	1.52	1.41
8	AST0240804	168-8265	2.83	2.65	2.23	2.02	1.89
10	AST0241004	168-8266	3.54	3.31	2.79	2.53	2.36
12	AST0241204	168-8267	4.24	3.98	3.35	3.03	2.83

Plug 10A
5.0mm Pitch



- Plug, flush mount, interlockable
- Screw termination
- UL, CSA recognised

Colour	Blue
Current Rating	10A @ 300V
Wire Size	14 - 22AWG
Insulator	Polyester, UL94V-0

Colour	Blue
Pin Length PCB side	Pin Ø = 1.30mm, Pin Length = 3.50mm
Pin Length Mating side	Pin Ø = 1.38mm, Pin Length = 7.00mm

232140

		Price Each				
No. of Ways	Mfrs. List No.	Order Code	1+	100+	500+	1K+
Plug						
2	1776263-2	109-8622	0.176	0.156	0.146	0.137

Screwless Terminal Blocks 15A

5.0mm/5.08mm Pitch



- Available in 5.0 and 5.08mm pitch
- Accepts wire range 14-22AWG
- No special tool required, levers can be actuated easily with a finger or a screwdriver
- UL recognition
- CSA approval

Material Housing	Thermoplastic polyester, UL94V-0	Voltage Rating	300V
Colour Housing	Green	Wire Size	14 - 22AWG
Lamping Terminal and Pin	Bright acid Tin over Copper Alloy	Pin Ø	0.9mm
Current Rating	15A	Pin Length	4.20mm

232142

		Price Each				
No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Side Entry, 5.0mm Pitch						
2	1776261-2	109-8616	0.47	0.41	0.38	0.35
4	1776261-4	109-8621	0.66	0.58	0.54	0.49

Terminal Block - Screwless

5.08mm Pitch



- Screwless
- Moulded in grey UL94-V0 flame retardant PA66
- UL and CE approved

Maximum Voltage	250V
Working Temperature Range	-20°C to +125°C
Wire Size	1.5mm ²
Spring	Zinc Plated Steel
Colour	Grey

478126

		Price Each				
No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
2	CSTBV23/2	142-5645	0.54	0.44	0.40	0.37
3	CSTBV23/3	142-5646	0.81	0.64	0.58	0.53
4	CSTBV23/4	142-5647	1.06	0.87	0.77	0.70
6	CSTBV23/6	142-5648	1.59	1.30	1.16	1.05
8	CSTBV23/8	142-5649	2.12	1.73	1.55	1.41

Push In - 10A
5.0mm Pitch



- Solid wire push-in connector
- Lever release
- 10A current
- UL / IEC recognised

Height 15.5mm Pitch 0.8mm Width 12.5mm Pin diameter 5mm

Rated Voltage	300V	Flammability Class	UL94V-0
Current Rating	10A	Solid wire entry	1.5mm ²
Temperature Range	-40°C to +105°C	Colour	Grey

411978

Order Multiple=5		Price Each				
No. of Ways	Mfrs. List No	Order Code	5+	50+	100+	500+
2	20.4101M/2	963-3413●	0.50	0.48	0.43	0.40
3	20.4101M/3	963-3421●	0.77	0.71	0.64	0.57
4	20.4101M/4	963-3430●	1.01	0.95	0.86	0.80

LP Series. PCB Terminal Blocks
5.00mm Pitch, Stackable



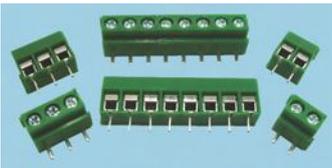
- A range of 5.00mm PCB terminal blocks
- Rising clamp technology
- Cable size up to 4.00mm²
- Cable entry angles, Top, Side, or 135°
- End to end stacking without loss of pitch
- **CSA** and **VDE** approved, **UL** recognised

Maximum Voltage 10A
Current Rating UL94V-2
Flammability Class Polyamide 6.6
Material

339293

No of Ways	Mfrs. List No.	Order Code	5+	25+	100+	250+	500+
Top Entry							
2 Single Height	LP5.00/2/180	113-1844●	0.48	0.47	0.43	0.39	0.36
3 Single Height	LP5.00/3/180	113-1848●	0.65	0.62	0.53	0.49	0.45
Side Entry							
2 Single Height	LP5.00/2/90	113-1843●	0.44	0.43	0.39	0.36	0.33
3 Single Height	LP5.00/3/90	113-1847●	0.64	0.62	0.57	0.52	0.48
135°							
2 Single Height	LP5.00/2/135	113-1845●	0.48	0.47	0.43	0.39	0.36
3 Single Height	LP5.00/3/135	113-1851●	0.72	0.69	0.61	0.56	0.51

Terminal Block 10 Amp
5mm Pitch



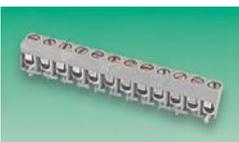
- Available in Vertical and Right Angle
- 2 to 10 poles

Screw Zinc plated 10A
Voltage rating 450V Nylon
Temperature Max 110°
Casing material

474648

Order Multiple=5		Price Each		
No of Poles	Order Code	5+	50+	100+
Vertical				
2	135-7318●	0.134	0.109	0.096
3	135-7319●	0.192	0.164	0.146
4	135-7320●	0.270	0.210	0.194
6	135-7321●	0.390	0.330	0.290
8	135-7322●	0.500	0.430	0.390
10	135-7324●	0.630	0.540	0.470
Right Angle				
2	135-7325●	0.134	0.112	0.100
3	135-7326●	0.200	0.168	0.150
4	135-7327●	0.260	0.210	0.190
6	135-7328●	0.380	0.320	0.290
8	135-7329●	0.510	0.440	0.400
10	135-7330●	0.650	0.550	0.490

13A
5mm Pitch



H=10, W=8, Pitch=5, Pin dia=0.9, PCB hole dia=1.3

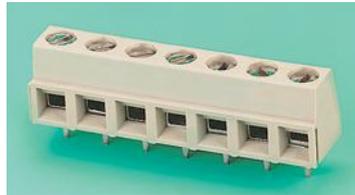
- Ideal for connecting conventional wiring to PCB's
- Compact, robust and can also be fitted on 0.2" pitch up to 5 ways
- M2.6 x 5mm clamp screws for automatic screwdriver operation
- Cable protectors captive in the housing.
- Side by side mountable to improve permutation of ways
- Approvals to **CSA** and **SEV**, **UL** recognised

Maximum voltage 125V ac Clamping screw Steel
Current rating 13A Cable protector Phosphor bronze
Maximum temperature 100°C Housing Polyamide 6.6 UL94V-2
Bush clamp Brass nickel plated Maximum wire size 1.5mm²
Mfrs. List No. CX0300/0101=101-785, CX0400/0101=101-786, CX1200/0101=101-787

209396

Order Multiple=5		Price Each				
No of Ways	Length mm	Order Code	5+	100+	500+	1K+
3	15	101-785●	0.54	0.53	0.42	0.35
4	20	101-786●	0.75	0.70	0.56	0.48
12	60	101-787●	1.92	1.83	1.50	1.26

13.5A
5.00mm Pitch



- Rising clamp design
- Supplied with open screw to save assembly time
- All metal parts are non-magnetic
- Test probe access built-in
- Can be used in corrosive environments
- UL and CSA listed
- For 1.5mm solid wire
- With interlock
- Side wire entry

Housing Polyamide Operating Voltage 250Vac
Male Contacts Brass, Tin plated
Female Contacts Brass, nickel plated

209510

No of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
2	282836-2	308-9034●	0.30	0.28	0.27	0.26	0.25
3	282836-3	308-9046●	0.42	0.39	0.37	0.35	0.33
4	282836-4	308-9058●	0.57	0.52	0.50	0.49	0.47
5	282836-5	308-9060●	0.64	0.59	0.57	0.55	0.53
6	282836-6	308-9071●	0.66	0.62	0.59	0.57	0.55
7	282836-7	308-9083●	0.89	0.82	0.79	0.73	0.70
8	282836-8	308-9095●	1.00	0.92	0.88	0.85	0.81
9	282836-9	308-9101●	1.02	0.95	0.92	0.88	0.85
10	1-282836-0	308-9113●	1.19	1.10	1.05	1.00	0.96
12	1-282836-2	308-9125●	1.72	1.58	1.53	1.47	1.42

Low Profile Screw Terminal Blocks
5mm Pitch



1.5mm² cable entry

- 2 & 3 pole interlocking
- 4 -12 pole end stackable
- 1mm test probe facility and cable protectors
- Approval **UL** recognised

H=10, W=7.5, Pitch=5, Pin dia=1.0, PCB hole dia=1.1

Maximum voltage 250V ac
Current rating 16A
Temperature range -20°C to +125°C
Bush clamp 1.5mm²
Maximum wire size 1.5mm²

Clamping screw M2.5 steel zinc passivated
Cable protector Bronze nickel plated
Housing Lexan, **UL94V-0**
Colour Light Grey

209397

No of Ways	Length mm	Order Code	5+	10+	50+	100+	500+
2	10	151-789●	0.38	0.33	0.32	0.31	0.28
3	15	151-790●	0.55	0.49	0.46	0.45	0.40
4	20	151-791●	0.73	0.68	0.66	0.62	0.51
6	30	151-792●	0.95	0.76	0.73	0.69	0.58
Order Multiple=1			1+	10+	50+	100+	500+
12	60	151-793●	1.85	1.47	1.22	1.02	0.91

Interlocking 15A
5mm Pitch



2.5mm² cable entry

- 2 through to 8 way interlocking terminal blocks
- Screw terminal
- **CSA** approved, **UL** recognised

H=10, W=7.5, Pitch=5, Pin dia=1.0

Maximum voltage 250V ac
Current rating 15A
Temperature range -25°C to +100°C
Bush clamp Brass nickel and tin plated
Maximum wire size 2.5mm²

Clamping screw M3 Galvanised Steel
Cable protector Bronze
Housing Polyamide, **UL94V-0**
Colour Light Grey

Mfrs. List No. KRM2=151-785, KRM3=151-786, KRM4=151-787, KRM8=151-788

209400

Order Multiple=5		Price Each						
No of Ways	Length mm	Order Code	5+	10+	50+	100+	500+	1K+
2	10	117-7875●	0.35	0.32	0.31	0.29	0.25	0.20
3	15	117-7876●	0.59	0.54	0.52	0.50	0.45	0.37
4	20	117-7877●	0.71	0.66	0.63	0.62	0.53	0.44
8	20	117-7878●	1.22	0.94	0.80	0.68	0.59	0.52
6	20	117-7890●	0.53	0.41	0.34	0.29	0.26	--
7	20	117-7891●	0.54	0.42	0.36	0.31	0.27	--

PCB Mounting Terminal Blocks - continued

Angled 300 Series 15A
5.0mm Pitch



- Modular interlocking construction
- Standard 45°Block
- Rising cage clamp mechanism
- **UL / IEC** recognised

Height 12.5mm Pitch 5mm Width 12.5mm Pin diameter 0.8mm

Rated Voltage	300V	Solid wire entry	2.5mm ²
Current Rating	15A	Screw size	M2.6
Temperature Range	-40°C to +105°C	Colour	Grey
Flammability Class	UL94V-0	Torque rating	0.5N-m

411975

Order Multiple=5

No. of Ways	Mfrs. List No	Order Code	5+	50+	100+	500+
2	20.300M/2	963-3359●	0.43	0.41	0.37	0.33
3	20.300M/3	963-3367●	0.64	0.59	0.53	0.47
4	20.300M/4	963-3375●	0.88	0.81	0.71	0.62

Spring Clamp 16A
5/5.8mm Pitch



- Screwdriver slot or lever opening
- 45°Block
- 16A Rated Voltage
- 5.0mm pin pitch
- **UL / IEC** recognised

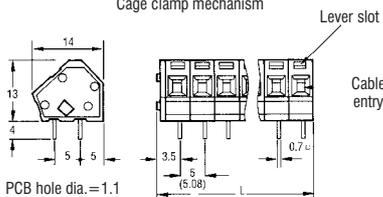
Height	12.9mm	Pitch	5mm	Width	14.2mm	Square pin	0.7mm
Rated Voltage	300V	Flammability Class	UL94V-0				
Current Rating	16A	Solid wire entry	2.5mm ²				
Temperature Range	-40°C to +105°C	Colour	Grey				

411969

Order Multiple=5

No. of Ways	Mfrs. List No	Order Code	5+	50+	100+	500+
Screwdriver Slot						
3	20.300M/3	963-3278●	0.41	0.40	0.39	0.38
4	20.300M/4	963-3286●	0.55	0.54	0.52	0.50
Screwdriver Lever						
2	20.3001M/2	963-3294●	0.39	0.38	0.37	0.36
3	20.3001M/3	963-3308●	0.57	0.56	0.54	0.52
4	20.3001M/4	963-3316●	0.79	0.75	0.73	0.70

Cage Clamp 16A
5/5.08mm Pitch



$L = (\text{No. of poles} \times 5) + 2.3$

- Vibration proof spring cage clamp, for fast, reliable operation
- Lever action operation by use of a screwdriver or operating tool **258-120** in the adjacent slot
- Accommodates wire strip length 5-6mm
- End stackable, by removal of one end plate
- Approvals, **CSA (15A @ 300V) SEV, KEMA-KEUR, OVE, SEMKO and UL Recognised (10A @ 300V), NEMKO, DEMKO and BV.**

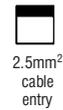
Maximum voltage	380V ac (Group B) 250V ac (Group C)	Cage clamp spring	Chrome nickel spring steel
Current rating	16A	Contact	Copper, tin/lead plated
Maximum temperature	105°C	Housing	Nylon 6.6
		Colour	Light Grey
		Wire size	0.08-2.5mm ²

Mfrs. List No. 236402=1283526, 236403=1283527, 236404=1283528, 236406=1283529, 236408=1283530, 236412=1283531, 236332=258-120, 209423

Order Multiple=5

No of Ways	Order code	5+	50+	100+	500+	1K+
2	128-3526●	0.31	0.29	0.27	0.26	0.25
3	128-3527●	0.44	0.41	0.39	0.37	0.35
4	128-3528●	0.63	0.59	0.58	0.52	0.47
6	128-3529●	0.86	0.81	0.79	0.71	0.65
8	128-3530●	1.15	1.09	1.07	0.97	0.89
12	128-3531●	1.65	1.53	1.46	1.38	1.30
Order Multiple=1						
Operating tool	258-120	0.39	0.35	0.33	0.31	0.30

Rising Clamp Interlocking 16A
5mm Pitch



H=16, W=9.5, Pitch=5, Pin dia=1.1

- Interlocking PCB terminal block with rising cable clamp design
- Features good cable retention and repetitive operation
- 1mm test probe facility

Maximum voltage	250V ac	Clamping screw	M3 steel zinc plated
Current rating	16A	Housing	Polyamide UL94V-0
Temperature range	-40°C to +125°C	Colour	Light Grey
Rising cable clamp	Steel zinc plated	Maximum wire size	2.5mm ²

Mfrs. List No. 819/x, where x= No. of ways

209401

Order Multiple=10

No of Ways	Length mm	Order Code	10+	50+	100+	500+	1K+
2	10	117-2817●	0.49	0.41	0.34	0.30	0.29
3	15	117-2818●	0.60	0.51	0.44	0.39	0.36
4	20.5	114-2153●	0.82	0.70	0.58	0.50	0.46
6	30.5	114-2154●	1.21	1.06	0.90	0.76	0.69
8	40.9	114-2163●	1.73	1.47	1.25	1.11	0.99
10	50.9	117-2831●	2.17	1.87	1.56	1.38	1.23
12	61.5	114-2155●	2.43	2.07	1.72	1.49	1.38

FOR MORE INFORMATION & CHOICE

Product Search

Rising Clamp



RoHS Compliant Items Only | Advanced Search

Rising Clamp PCB Terminal
5mm Pitch, Dual Level array



- Modular - Can be assembled to give any number of ways (locking pins)
- Dual level design ideal where space is limited
- Rising clamp for enhanced cable retention
- Integral test probe socket
- Levels offset for ease of access to lower levels
- Available in 4 (2x2) and 6 (3x3) ways

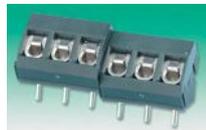
Pitch	5mm	Temperature range	-40°C To 125°C
Max cable size	2.5mm ²	Clamp	Nickel Plated Brass
Max voltage	250V ac	Clamp screw	Galvanised Steel
Max current	16A	Material	Light grey polyamide UL94V-0

337939

Order Multiple = 5

No. of Ways	Mfrs. List No	Order Code	5+	50+	100+	500+
4	25.178.5253.0	117-2826●	1.02	0.99	0.95	0.92
6	25.178.5353.0	114-2162●	1.59	1.54	1.46	1.43

Angled 590 Series 15A
5.0mm Pitch



- Modular interlocking construction
- Miniature 45°Block
- Wire Guard protection
- **UL / IEC** recognised

Height 11.9mm Pitch 5mm Width 11mm Pin diameter 1mm

Rated Voltage	300V	Solid wire entry	1.5mm ²
Current Rating	15A	Colour	Green
Temperature Range	-40°C to +105°C	Torque	0.4N-m
Flammability Class	UL94V-0	Screw Size	M2.6

411977

Order Multiple=5

Anzahl Ways	List No	Order Code	5+	50+	100+	500+
2	20.590M/2	963-3383●	0.43	0.38	0.35	0.32
3	20.590M/3	963-3391●	0.64	0.55	0.50	0.44
4	20.590M/4	963-3405●	0.87	0.74	0.66	0.59

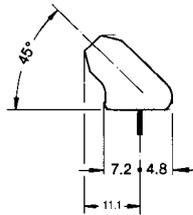


£ € **40,000 PRICES REDUCED**

45° 16A 5mm Pitch



H=13.4, W=12 (base),
Pitch=5, Pin dia=1.0
PCB hole dia=1.3



- Ideal for applications where space is restricted
- Cable clamping by M3 x 6mm screws, with captive cable protectors
- End stackable
- Approvals **CSA** and **SEV**, **UL** approved

Maximum voltage	380V ac	Clamp screw	Steel
Current rating	16A	Cable protectors	Phosphor Bronze
Maximum temperature	100°C	Colour	Brown
Bush Clamp	Brass nickel plated	Maximum wire size	2.5mm²

Mftrs. List No. CX0300/0501=146-257, CX0400/0501=146-258, CX1200/0501=146-259

209402

No of Ways	Length mm	Order Code	1+	100+	500+	1K+
3	15	146-257	0.67	0.62	0.48	0.40
4	20	146-258	0.92	0.79	0.62	0.54
12	60	146-259	2.34	2.16	1.70	1.40

Low Profile 17.5A

5mm Pitch



- Low profile 10mm board height
- Wire guard protection
- Solid black construction

Rated Voltage	415V
Current Rating	17.5A
Temperature Range	-40°C to +105°C
Flammability Class	UL94V-0
Solid wire entry	1.5sq mm
Screw size	M2.6
Torque rating	0.4Nm
Colour	Dark Grey

H=10, W=7.5, Pitch=5, Pin Dia=1

411955

No of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
2	20.501M/2	963-2972	0.197	0.161	0.148	0.135	0.123
3	20.501M/3	963-2980	0.280	0.260	0.196	0.185	0.171
4	20.501M/4	963-2999	0.390	0.370	0.340	0.310	0.260
6	20.501M/6	963-3006	0.570	0.530	0.480	0.430	0.370
8	20.501M/8	963-3014	0.790	0.710	0.630	0.570	0.490
10	20.501M/10	963-3022	0.960	0.890	0.810	0.730	0.610

700 Series 20A

5.0mm Pitch



- Modular interlocking construction
- Standard profile 5mm pitch
- Rising cage clamp mechanism
- **UL / IEC** recognised

Rated Voltage	300V	Flammability Class	UL94V-0
Current Rating	20A	Solid wire entry	4mm²
Temperature Range	-40°C to +105°C	Colour	Green

Height 19mm Pitch 5mm Width 10.5mm Pin diameter 0.9mm

411974

Order Multiple=5

No. of Ways	Mftrs. List No.	Order Code	5+	50+	100+	500+
2	20.700M/2	963-3324	0.48	0.44	0.40	0.36
3	20.700M/3	963-3332	0.73	0.66	0.59	0.52
4	20.700M/4	963-3340	0.96	0.89	0.80	0.69

Standard Profile 24A

5mm Pitch



- Integral test probe holes
- Wire guard protection
- **UL / IEC** recognised

Rated Voltage	300V
Current Rating	24A
Temperature Range	-40°C to +105°C
Flammability Class	UL94V-0
Solid wire entry	2.5mm²
Screw size	M3
Torque rating	0.5N-m
Colour	Dark Grey

H = 12.5, W = 9, Pitch = 5, Pin Dia = 1

411951

No. of Ways	Mftrs. List No.	Order Code	5+	50+	100+	500+	1K+
2	20.101M/2SB	963-2670	0.197	0.161	0.148	0.135	0.123
3	20.101M/3SB	963-2689	0.310	0.280	0.220	0.210	0.183
4	20.101M/4SB	963-2697	0.390	0.370	0.340	0.310	0.260
6	20.101M/6SB	963-2700	0.570	0.530	0.480	0.430	0.370
8	20.101M/8SB	963-2719	0.790	0.710	0.630	0.570	0.490
10	20.101M/10SB	963-2727	0.960	0.890	0.810	0.730	0.610

36 Way Terminal Block 17.5A

5.0mm Pitch



- 36 way strip easily cut to required number of ways
- Rising clamp terminals
- Guided pin alignment
- Anti solder wicking
- Approvals: **IMQ & CE**, **UL** recognised

H = 15.5, W = 8.5, L = 180, PCB hole dia. = 1.3

Maximum Voltage	380V	Maximum Wire Size	4mm²
Current Rating	17.5A	Clamping Screw	M2.5 Zinc plated Steel 0.4Nm
Temperature Range	-20°C to 125°C	Housing	Lexan UL94V-0
Rising Clamp	Zinc plated Steel	Colour	Grey

232092

	Mftrs. List No.	Order Code	1+	10+	50+	100+
Vertical Mount	CTB7000/36	388-1787	5.69	4.95	4.35	3.94
90° Mount	CTB7050/36	388-1799	3.74	3.27	2.86	2.61

36 Way Plug-In Terminal Block 13.5A

5.0mm Pitch



- 36 way strip easily cut to required number of ways
- Rising clamp terminals
- Horizontal or vertical mounting
- Approvals: **CE** approved, **UL** recognised
- Optional polarising clips (in pairs)

Maximum Voltage	380V	Maximum Wire Size	4mm²
Current Rating	17.5A	Clamping Screw	M2.5 Zinc plated Steel 0.4Nm
Temperature Range	-20°C to 125°C	Housing	Lexan UL94V-0
Rising Clamp	Zinc plated Steel	Colour	Grey

232094

	Mftrs. List No.	Order Code	1+	10+	50+	100+
Vertical Mount	CTB7300/36M	388-1829	2.19	1.93	1.77	1.59
90° Mount	CTB7300/36F	388-1830	5.30	4.60	3.91	3.53

PCB Pin Headers for the SMT Process

SL-SMT 5.00 / 5.08 series



Right Angle



Vertical



SL-SMT 5.00/5.08 are the high temperature resistant pin headers specially developed to be compatible with SMT production processes.

Benefits:-

- Reduces production costs by up to 30%
- Stable at 260°C compatible for all ref low soldering processes. Allows customers to eliminate the costly secondary wave or hand soldering operation
- Through-Hole-Reflow pins offer 10 times greater strength than standard 'Gull Wing' SMT pins
- Shorter pins enable component placement on both sides of pcb, allowing double sided boards
- Innovative solder flange enables a screwless and secure connection to the pcb

Specifications:-

Current Rating	10A	Voltage Rating	300V
Contact Material	Copper Alloy	Contact Plating	Tin
Material Insulator	LCP	Insulation Resistance	1Mohm
Operating Temp.	-25°C to 100°C		

528777

No. of Ways	Mftrs. List No.	Order Code	1+	10+	50+	100+	250+
Headers, Right Angle, 5.00mm Pitch							
2	1796930000	168-8666	0.31	0.26	0.22	0.20	0.18
3	1796940000	168-8667	0.31	0.26	0.22	0.20	0.18
4	1796950000	168-8668	0.60	0.50	0.42	0.38	0.35
5	1796960000	168-8669	0.77	0.64	0.54	0.49	0.45
6	1796970000	168-8670	0.91	0.76	0.64	0.58	0.53
7	1796980000	168-8671	1.08	0.90	0.76	0.69	0.63
8	1796990000	168-8672	1.23	1.02	0.86	0.78	0.72

PCB Mounting Terminal Blocks - continued



PCB Pin Headers for the SMT Process - continued

SL-SMT 5.00 / 5.08 series - continued

No. of Ways	Mftrs. List No.	Order Code	Price Each				
			1+	10+	50+	100+	250+
Headers, Vertical, 5.00mm Pitch							
2	1796480000	168-8673	0.35	0.29	0.24	0.22	0.20
3	1796490000	168-8675	0.52	0.43	0.36	0.33	0.30
4	1796500000	168-8676	0.69	0.58	0.48	0.44	0.40
5	1796510000	168-8677	0.86	0.72	0.61	0.55	0.50
6	1796520000	168-8678	1.04	0.86	0.73	0.66	0.61
7	1796530000	168-8679	1.21	1.01	0.85	0.77	0.71
8	1796540000	168-8680	1.38	1.15	0.97	0.88	0.81
Headers, Right Angle, 5.08mm Pitch							
2	1774762001	168-8681	0.75	0.63	0.53	0.48	0.44
3	1774772001	168-8682	1.13	0.94	0.79	0.72	0.66
4	1774782001	168-8683	1.51	1.26	1.06	0.96	0.88
5	1774792001	168-8684	1.87	1.56	1.31	1.19	1.09
6	1774802001	168-8685	2.23	1.86	1.56	1.42	1.30
7	1774812001	168-8687	2.61	2.17	1.83	1.66	1.52
8	1774822001	168-8688	2.99	2.49	2.09	1.90	1.74
Headers, Vertical, 5.08mm Pitch							
2	1775522001	168-8689	0.75	0.63	0.53	0.48	0.44
3	1775572001	168-8690	1.13	0.94	0.79	0.72	0.66
4	1775592001	168-8691	1.51	1.26	1.06	0.96	0.88
5	1775632001	168-8692	1.87	1.56	1.31	1.19	1.09
6	1775642001	168-8693	2.23	1.86	1.56	1.42	1.30
7	1775652001	168-8694	2.61	2.17	1.83	1.66	1.52
8	1775662001	168-8695	2.99	2.49	2.09	1.90	1.74

36 Way Screwless Terminal Blocks 12.0A

5.0/5.08mm Pitch



- 36 way strip screwless terminal blocks
- Easily breakable for required number of ways
- No tools required for termination
- Guided pin alignment/anti wicking
- Approvals: **IMQ & CE, UL** recognised

H = 13.9, W = 12.5, Pitch = 5.0 & 5.08, PCB hole dia. = 1.3

Maximum Voltage	250V	Maximum Wire Size	1.3mm ²
Current Rating	12A	Clamping Screw	Zinc plated Steel
Temperature Range	-20°C to 125°C	Housing	PA66 UL94V-0
Rising Clamp	Tin Phosphor Bronze	Colour	Grey

232103

	Mftrs. List No.	Order Code	Price Each			
			1+	10+	50+	100+
5.0mm pitch	CSTBV1/36	388-2676	4.49	3.78	3.43	3.06
5.08mm pitch	CSTBV2/36	388-2688	4.49	3.78	3.43	3.06

PM Series. PCB Terminal Blocks

5.08mm Pitch, Leaf spring



- Cost effective direct wire to PCB terminals
- Leaf spring technology for cable size up to 1.5mm²
- End to end stacking without loss of Pitch
- **CSA** and **VDE** approved, **UL** recognised

Maximum Voltage	UL94V-2
Current Rating	10A
Flammability Class	PA66

339294

No of Ways	Mftrs. List No.	Order Code	Price Each				
			5+	25+	100+	250+	500+
Orange Terminal Blocks							
2	PMS.08/2/90	113-1853	0.146	0.131	0.118	0.107	0.098
3	PMS.08/3/90	113-1854	0.195	0.173	0.162	0.147	0.134
Black Terminal Blocks							
2	PMS.08/2/90 BLK	113-1855	0.147	0.136	0.118	0.108	0.099
3	PMS.08/3/90 BLK	113-1856	0.200	0.181	0.169	0.152	0.139

15

LP Series. PCB Terminal Blocks

5.08mm Pitch Stackable



- A range of 5.08mm PCB terminals
- Rising clamp Technology
- Cable size up to 4.00mm²
- Cable entry angles, Top, Side, or 90°
- End to end stacking without loss of pitch
- **CSA** and **VDE** approved, **UL** recognised

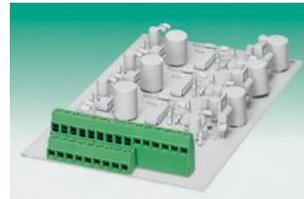
Flammability Class	UL94V-2
Material	PA66

339272

No of Ways	Mftrs. List No.	Order Code	Price Each				
			5+	25+	100+	250+	500+
Free Plug - Side Entry							
2Single Height	LP5.08/2/90	113-1832	0.44	0.43	0.39	0.36	0.33
2Double Height	LP1N5.08/2/90	113-1835	0.72	0.69	0.61	0.56	0.51
2Triple Height	LP1H5.08/2/90	113-1836	0.77	0.72	0.63	0.57	0.53
3Single Height	LP5.08/3/90	113-1838	0.64	0.62	0.57	0.52	0.48
3Double Height	LP1N5.08/3/90	113-1841	1.07	1.05	0.94	0.86	0.80
3Triple Height	LP1H5.08/3/90	113-1842	1.09	1.07	0.95	0.87	0.81
135°							
2Single Height	LP5.08/2/135	113-1834	0.44	0.43	0.39	0.36	0.33

MKSDSN1.5 Series 13.5A

5.08mm Pitch



- Low profile multi position micro printed circuit termination block
- Pitch 5.08mm
- Screw termination
- Use in miniature modules or in terminal equipment

Wire Size	0.14mm ² to 1.5mm ²
Current Rating	13.5A
Suitable Screwdriver	0.4 x 2.5mm blade

230245

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	Price Each			
				1+	10+	50+	100+
2	MKSDSN1.5/2-5.08	1729128	304-1440	0.42	0.39	0.37	0.35
3	MKSDSN1.5/3-5.08	1729131	304-1451	0.58	0.54	0.51	0.43
4	MKSDSN1.5/4-5.08	1729144	304-1475	0.95	0.82	0.70	0.57
5	MKSDSN1.5/5-5.08	1729157	304-1487	1.14	0.99	0.84	0.72
6	MKSDSN1.5/6-5.08	1729160	304-1499	1.42	1.27	0.99	0.87
7	MKSDSN1.5/7-5.08	1729173	304-1505	1.66	1.39	1.17	1.00
8	MKSDSN1.5/8-5.08	1729186	304-1517	1.54	1.32	1.17	1.04

MKSDS1.5 Series 22A

5.08mm Pitch



- Double level termination block with off-set levels
- Pitch 5.08mm
- Screw termination
- Use in miniature modules or in terminal equipment

Wire Size	0.14mm ² to 2.5mm ²
Current Rating	22A
Suitable Screwdriver	0.4 x 2.0mm blade

230238

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	Price Each			
				1+	25+	100+	250+
2	MKSDS1.5/2-5.08	1715721	304-1529	0.42	0.34	0.32	0.31
3	MKSDS1.5/3-5.08	1715734	304-1530	0.62	0.50	0.47	0.45
4	MKSDS1.5/4-5.08	1715747	304-1542	1.02	0.97	0.91	0.84
8	MKSDS1.5/8-5.08	1715789	304-1554	2.03	1.86	1.77	1.64
10	MKSDS1.5/10-5.08	1715802	304-1566	2.59	2.41	2.25	2.07
12	MKSDS1.5/12-5.08	1715828	304-1578	3.03	2.85	2.70	2.46

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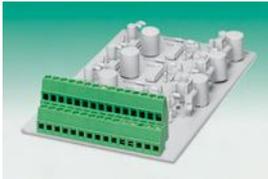
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MKKDS1.5 Series 22A
5.08mm Pitch



505699

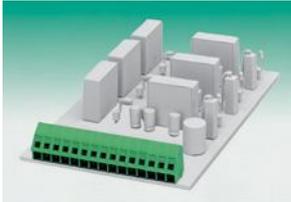


- Multi position printed circuit termination block
 - Pitch 5.08mm
 - Screw termination
 - 2 levels
- Wire Size 0.14mm² to 1.5mm²
Current Rating 22A
Suitable Screwdriver 0.4 x 2.0mm blade

230243

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	1+	10+	50+	100+
2	MKKDS1.5/2-5.08	1725038	304-1300	1.05	0.85	0.80	0.73
3	MKKDS1.5/3-5.08	1725041	304-1311	1.58	1.27	1.18	1.11

SMKDSP 1.5 Series 22A
5.08mm Pitch



- 35° low profile multi position micro printed circuit termination block
 - Pitch 5.08mm
 - Screw termination
 - Use in miniature modules or in terminal equipment
- Wire Size 0.14mm² to 1.5mm²
Current Rating 22A
Suitable Screwdriver 0.4 x 2.0mm blade

230247

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	1+	10+	50+	100+
2	SMKDSP1.5/2-5.08	1733570	304-1244	0.41	0.39	0.36	0.30
3	SMKDSP1.5/3-5.08	1733583	304-1256	0.63	0.57	0.54	0.44
4	SMKDSP1.5/4-5.08	1733596	304-1268	0.84	0.79	0.68	0.62
6	SMKDSP1.5/6-5.08	1733619	304-1270	1.27	1.17	1.07	0.90
8	SMKDSP1.5/8-5.08	1733635	304-1281	1.67	1.54	1.43	1.17
10	SMKDSP1.5/10-5.08	1733651	304-1293	2.11	1.97	1.77	1.51

MKKDS3 Series 24A
5.08mm Pitch

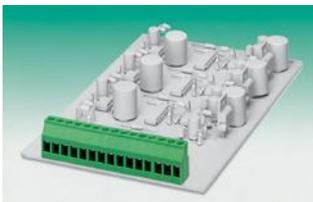


- Multi position printed circuit termination block
 - Pitch 5.08mm
 - Screw termination
 - 2 offset levels
- Wire Size 0.2mm² to 2.5mm²
Current Rating 24A
Suitable Screwdriver 0.6 x 3.50mm blade

230244

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	1+	10+	50+	100+
2	MKKDS3/2-5.08	1721728	304-1323	1.37	1.09	1.02	0.96
3	MKKDS3/3-5.08	1721731	304-1347	2.06	1.64	1.55	1.47

MKDS3 Series 28A
5.08mm Pitch



- Robust multi position printed circuit termination block
 - Pitch 5.08mm
 - Screw termination
- Wire Size 0.2mm² to 2.5mm²
Current Rating 28A
Suitable Screwdriver 0.6 x 3.5mm blade

230248

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	1+	10+	50+	100+
2	MKDS3/2-5.08	1711725	304-1165	0.53	0.43	0.40	0.37
3	MKDS3/3-5.08	1711738	304-1177	0.80	0.63	0.59	0.55
4	MKDS3/4-5.08	1712805	304-1189	0.95	0.90	0.82	0.68

Spring Terminal Blocks



- Spring Lever Technology (SLT)
- Easy Wiring without Screw Driver
- No Strain on the PCB
- High Vibration and Shock Resistant
- Visual Indication

Current Rating 30A
AWG AWG
Protection IP20
PCB Hole Dia. 1.3mm
Voltage Rating 6.35mm = 400V, 7.62mm and 9.52mm = 500V

No. of Ways	Mfrs. List No.	Order Code	Price Each		
			1+	10+	50+
6.35mm Pitch					
2	1SSS886202R3200	156-4983	3.12	2.60	2.09
3	1SSS886203R3200	156-4984	4.71	3.94	3.13
4	1SSS886204R3200	156-4986	6.27	5.23	4.17
5	1SSS886205R3200	156-4987	7.83	6.54	5.22
6	1SSS886206R3200	156-4988	9.39	7.83	6.26
7.62mm Pitch					
2	1SSS887202R3200	156-4989	2.97	2.48	1.99
3	1SSS887203R3200	156-4990	4.48	3.73	2.98
4	1SSS887204R3200	156-4991	5.97	4.98	3.97
5	1SSS887205R3200	156-4992	7.44	6.20	4.96
6	1SSS887206R3200	156-4993	8.93	7.44	5.95
9.52mm Pitch					
2	1SSS889202R3200	156-4994	3.22	2.69	2.15
3	1SSS889203R3200	156-4995	4.84	4.04	3.22
4	1SSS889204R3200	156-4996	6.45	5.38	4.29
5	1SSS889205R3200	156-4998	8.07	6.72	5.38
6	1SSS889206R3200	156-4999	9.68	8.07	6.45

MKDS5 Series 8A
6.35mm & 9.5mm Pitch



- Large multi position printed circuit termination blocks
- For heavy loads
- Pitch 6.35mm or 9.5mm
- Insulating Material Group 1

Wire Size 0.2mm² to 4mm²
Current Rating 32A
Suitable Screwdriver 0.6 x 3.5mm blade
Voltage rating 500

Pitch	Surge Voltage Category	Contamination Class	Rated Voltage	Rated Surge Voltage	9.5 mm	II 2	1000	6
6.35 mm	III	3	500	6		III 3	690	8
	III	2	630	6		II 2	1000	8

230413

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	1+	25+	100+	250+
Pitch 6.35mm							
2	MKDS5/2-6.35	1714955	370-4683	1.02	0.79	0.68	0.63
3	MKDS5/3-6.35	1714968	370-4695	1.43	1.08	0.96	0.89
Pitch 9.5mm							
2	MKDS5/2-9.5	1714971	370-4701	1.02	0.79	0.68	0.63
3	MKDS5/3-9.5	1714984	370-4713	1.52	1.14	1.02	0.94

Rising Clamp Power Terminals
6.35mm / 9.52mm Pitch



- 2 & 3 pole double interlocking mechanism for increased strength
- Moulded in green UL94-V0 flame retardant PA68
- Professional rising clamp terminals
- 4mm² cable entry (10-30 AWG)
- Guided pin alignment
- Captive screws



Specifications:-
Current Rating 32A
Contact Material Nickel Plated Brass
Insulation Resistance 10Mohm
Flammability Rating UL94-V0Mohm

Voltage Rating 450V
Contact Plating Tin
Operating Temp. -20°C to 110°C

528674

No. of Ways	Mfrs. List No.	Order Code	1+	10+	25+	50+	100+
6.35mm Pitch							
2	CTB04VY/2	167-8443	0.63	0.57	0.52	0.48	0.43
3	CTB04VY/3	167-8444	0.95	0.86	0.79	0.72	0.65
9.52mm Pitch							
2	CTB04VZ/2	167-8445	0.65	0.59	0.53	0.49	0.44
3	CTB04VZ/3	167-8446	0.97	0.88	0.80	0.74	0.66

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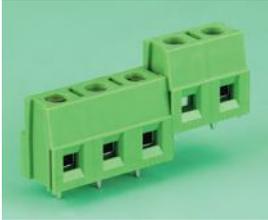
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PCB Mounting Terminal Blocks - continued

20A Interlocking Terminal Blocks
7.5mm Pitch



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Rising clamp terminals
- Guided pin alignment
- Approvals: **VDE & CE, UL** recognised

H = 13.8, W = 9.8, Pitch = 7.5,
PCB hole dia. = 1.3

Maximum Voltage 750V
Current Rating 20.0A
Temperature Range -20°C to 125°C
Rising Clamp Nickel plated Brass

Maximum Wire Size 2.5mm²
Clamping Screw M3 Zinc plated Steel 0.5Nm
Housing PA66 UL94V-0
Colour Green

232097

Mftrs. List No.	Order Code	1+	100+	500+	1K+
2 way CTB0110/2	388-2573	0.33	0.28	0.24	0.22
3 way CTB0110/3	388-2585	0.48	0.40	0.38	0.33

Rising Clamp Type PCB Terminal
7.5mm Pitch, High Current



- Modular - Can be assembled to give any number of ways (locking pips)
- Miniature design ideal where space is limited
- Rising clamp for enhanced cable retention
- Integral test probe socket
- Converts to 10mm pitch using Spacer plate
- High Voltage and current ratings
- Double solder pins for secure PCB connection

Pitch 7.5mm or 10mm
Max cable size 4mm²
Max voltage 500V ac
Max current 30A

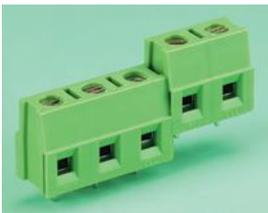
Temperature range -40°C To 125°C
Clamp Nickel Plated Brass
Clamp screw Galvanised Steel
Material Light grey polyamide UL94V-0

337937

Order Multiple=10	Mftrs List No	Order Code	10+	100+	500+	1K+
Single Pole Terminal Block	25.700.0153.0	113-4507	0.60	0.56	0.53	0.50

15

Interlocking Terminal Blocks 20A
7.62mm Pitch



- 2 & 3 way ultra low profile terminal blocks
- Easily assembled for required number of ways
- Double interlocking for increased strength
- Rising clamp terminals
- Guided pin alignment
- Approvals: **VDE & CE, UL** recognised

H = 13.8, W = 9.8, Pitch = 7.5,
PCB hole dia. = 1.3

Maximum Voltage 750V
Current Rating 20.0A
Temperature Range -20°C to 125°C
Rising Clamp Nickel plated Brass

Maximum Wire Size 2.5mm²
Clamping Screw M3 Zinc plated Steel 0.5Nm
Housing PA66 UL94V-0
Colour Green

232098

Mftrs. List No.	Order Code	1+	100+	500+	1K+
2 way CTB0118/2	388-2597	0.33	0.28	0.24	0.22
3 way CTB0118/3	388-2603	0.47	0.39	0.36	0.32

GMKDS1.5 Series 24A
7.62mm Pitch



- Printed circuit termination block
- Pitch 7.62mm
- Screw termination

Wire Size 0.14mm² to 1.5mm²
Current Rating 24A
Suitable Screwdriver 0.6 x 3.5mm blade

230250

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	1+	10+	50+	100+
2	GMKDS1.5/2-7.62	1717729	304-0999	0.60	0.56	0.49	0.42
3	GMKDS1.5/3-7.62	1717732	304-1001	0.90	0.84	0.78	0.63

12 Way 15A
9.6mm Pitch



H=11.5, W=17, L=133.4, Pitch=9.6, Fixing=124.8x7.9, Dia, Pin=1.0x0.07

- Screw termination and right angled, through chassis or PCB termination

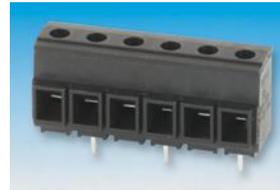
Maximum Working Voltage 380V
Current Rating 15A
Maximum Temperature 100°C

Housing Black, polycarbonate
Screw Terminations 4BA Pan head slotted

232320

Mftrs. List No.	Order Code	1+	50+	200+	500+
L1795A	121-8802	8.00	6.74	5.92	5.10

Beau® Eurostyle™ High Power Terminal Blocks
8.0mm Pitch, 20A



- 8mm pitch high power terminal block
- 600 volt, 20 amp, **UL** and **CSA** rated
- Developed for AC drives and other high power, high current applications
- Fully shrouded to prevent arcing between wires

Current rating 20A @ 600V 12AWG
Wire range 22 to 12AWG (0.33-3.3)mm²
Maximum temp. 115°C
Withstand voltage >8500V

Insulation resistance >5000GΩ
Housing Black Polyamide UL94V-0
Contacts Copper Alloy, Bright Tin plated
Screws M3 Steel, Tin plated

230084

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+
3	39950-0103	357-7790	2.28	1.99	1.83	1.59
4	39950-0104	357-7806	2.34	2.03	1.86	1.61

10A
10mm Pitch



2.5mm² cable entry
Pressure plate wire entry assists conductor clamping

- 2.5mm² cable entry
- Pressure plate wire entry assists conductor clamping

H = 13, W = 8, Pitch = 10, Pin dia = 1.1

Maximum Voltage 380V
Current Rating 10A
Maximum Temperature 120°C

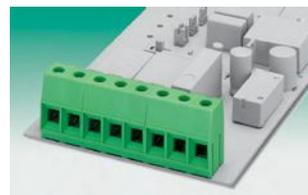
Housing Noryl SE.1
Colour Light Grey
Maximum wire size 2.5mm²

Warning: Not suitable for use with Arkhone cleaners

209403

Order Multiple=5	No of Ways	Length mm	Order Code	5+	50+	100+	500+	1K+
	2	15	117-8392	0.44	0.40	0.34	0.30	0.26
	3	25	117-8393	0.60	0.56	0.52	0.45	0.38
	4	35	117-8394	0.83	0.74	0.65	0.56	0.50

MKDSP10 Series 57A
10.16mm Pitch



- Printed circuit termination block with power contacts
- Pitch 10.16mm
- Screw termination

Wire Size 0.5mm² to 10mm²
Current Rating 57A
Suitable Screwdriver 0.6 x 3.5mm blade

230249

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	1+	10+	50+	100+
2	MKDSP10/2-10.16	1706785	304-1037	2.55	2.37	2.15	1.83
3	MKDSP10/3-10.16	1706798	304-1049	3.47	3.20	2.92	2.46

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Beau® Eurostyle™ High Power Terminal Blocks **molex**

10.16mm Pitch, 60A



- 10.16mm 0.400" pitch single row barrier strip for PCB mounting
- 300 volt, 60 amp, **UL** and **CSA** rated
- High reliability rising clamp with captive screw

Current rating	60A	Housing	Black Polyamide, UL94V-0
Wire range	18 to 6AWG (0.82 - 13.3)mm ²	Clamp	Brass, Nickel
Temperature range	-40°C to +130°C	Screws	Bronze, Tin Plated
Insulation resistance	>5000MΩ		

230083

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+
3	39970-0103	357-7867 ●	3.67	3.19	2.89	2.54
4	39970-0104	357-7879 ●	5.10	4.45	4.07	3.60
5	39970-0105	357-7880 ●	4.57	4.28	3.91	3.43
6	39970-0106	357-7892 ●	7.26	6.33	5.69	5.15

Beau® Eurostyle™ High Power Terminal Blocks **molex**

10.16mm Pitch, 40 / 60A



- High power 40, 60 and 115 Amp terminal blocks
- Spacings between all conductive components meet the 600V requirement of **UL 1059** and the 800V requirement of **IEC 947-1** pollution degree 3
- Extended wire entry funnel surrounds the wire insulator eliminating exposed wire strands and possible shorting
- Rising clamp termination
- Multiple PCB terminals distribute power, reducing hot spots
- 40 and 60 Amp 10.16mm pitch

Rated Voltage	600V	Flammability Class	UL94V-0
Max. Temperature	140°C	Colour	Black

386457

No. of Ways	Mfrs. List No.	Order Code	Price Each			
			1+	25+	100+	250+
40 Amp - 18 to 8 AWG						
2	39910-0302	866-5761 ●	3.45	2.98	2.71	2.40
4	39910-0304	866-5788 ●	5.29	4.59	4.19	3.66
60 Amp - 18 to 6 AWG						
2	39910-0102	866-5842 ●	2.59	2.24	2.05	1.81

High Power Terminal Blocks

10.16mm Pitch



- 2 & 3 pole interlocking or solid block
- 2 & 3 pole double interlocking mechanism for increased strength
- Moulded in grey UL94-V0 flame retardant PA66
- Professional rising clamp terminals
- 10mm² cable entry (6 AWG)
- Guided pin alignment
- Captive screws



Specifications:-

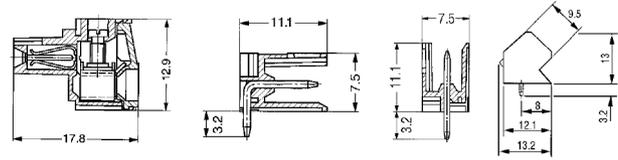
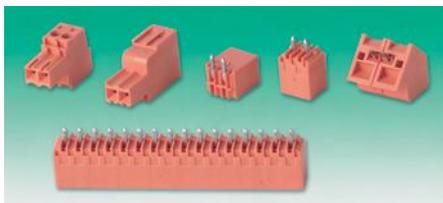
Current Rating	57A	Voltage Rating	750V
Contact Material	Nickel Plated Brass	Contact Plating	Tin
Insulation Resistance	5Mohm	Operating Temp.	-20°C to 110°C
Flammability Rating	UL94V-0		

528679

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	10+	25+	50+	100+
2	CTB77VP/2	167-8447 ●	1.61	1.46	1.33	1.23	1.09
3	CTB77VP/3	167-8448 ●	2.42	2.19	2.00	1.84	1.64
4	CTB77VP/4	167-8451 ●	3.23	2.92	2.67	2.45	2.19
6	CTB77VP/6	167-8452 ●	4.84	4.38	4.00	3.68	3.29
8	CTB77VP/8	167-8453 ●	6.46	5.84	5.33	4.91	4.38

Plug-In PCB Mounting Terminal Blocks

Plug-in 10A 3.5mm Pitch



Voltage rating (VDE)	125V ac (Group C) 250V ac (Group B)	Contact pin Housing Colour	Copper alloy, tin plated PBT Orange
Current Rating	17A	Wire size	0.2-1.5mm ²
Temperature Range	-20°C to +110°C		
Screw clamp	Steel, zinc plated		

Mfrs. List No.	BL3.5/x BLZ3.5/x	SL3.5/x/90G SL3.5/x/180G SL3.5/x/135
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Where x = No of ways

209532

No. of Ways	Order Code	Price Each				
		1+	25+	100+	250+	500+
Free Plug - BL						
2	113-1800 ●	0.77	0.64	0.60	0.54	0.50
3	113-1802 ●	1.20	1.03	0.96	0.88	0.80
4	113-1803 ●	1.54	1.33	1.23	1.11	1.02
5	113-1804 ●	1.92	1.71	1.61	1.45	1.32
6	113-1805 ●	2.30	2.05	1.93	1.72	1.57
8	113-1806 ●	3.05	2.73	2.56	2.30	2.09
10	113-1807 ●	3.81	3.42	3.19	2.88	2.61
12	113-1808 ●	4.74	4.00	3.74	3.40	3.10
14	113-1809 ●	5.54	4.65	4.36	3.95	3.60
16	113-1810 ●	6.11	5.48	5.12	4.61	4.18
Free Plug - BLZF Series						
2	117-9250 ●	1.02	0.96	0.93	0.86	0.80
3	117-9252 ●	1.43	1.35	1.31	1.19	1.10
4	117-9253 ●	2.49	2.36	2.29	2.10	1.94
5	117-9254 ●	2.35	2.22	2.15	1.98	1.84
6	117-9255 ●	2.81	2.65	2.58	2.38	2.19
8	117-9256 ●	3.74	3.56	3.44	3.15	2.93
10	117-9248 ●	4.66	4.45	4.28	3.94	3.64
12	117-9249 ●	5.63	5.35	5.15	4.73	4.38
16	112-1767 ●	8.14	7.68	7.19	6.50	5.92
Side Entry PCB Header-Closed End						
2	112-1786 ●	0.33	0.29	0.27	0.25	0.21
3	112-1791 ●	0.47	0.43	0.38	0.34	0.32
4	112-1793 ●	0.63	0.58	0.51	0.47	0.43
		5+	25+	100+	250+	500+
5	112-1795 ●	0.82	0.72	0.68	0.61	0.56
6	112-1798 ●	0.95	0.88	0.79	0.70	0.64
8	112-1801 ●	1.20	1.08	1.02	0.92	0.84
10	112-1778 ●	1.59	1.40	1.30	1.16	1.06
12	112-1780 ●	1.87	1.67	1.52	1.38	1.24
14	112-1782 ●	2.21	2.02	1.90	1.70	1.55
16	112-1784 ●	2.55	2.28	2.13	1.93	1.74
Top Entry PCB Header-Closed End						
2	112-1785 ●	0.33	0.29	0.27	0.25	0.21
3	112-1788 ●	0.47	0.45	0.38	0.35	0.32
4	112-1792 ●	0.61	0.59	0.48	0.44	0.41
5	112-1794 ●	0.82	0.72	0.68	0.61	0.56
6	112-1797 ●	0.92	0.88	0.73	0.67	0.62
8	112-1800 ●	1.23	1.11	1.02	0.92	0.84
10	112-1776 ●	1.54	1.39	1.30	1.16	1.05
12	112-1779 ●	1.87	1.67	1.52	1.38	1.24
14	112-1781 ●	2.21	2.02	1.90	1.70	1.55
16	112-1783 ●	2.45	2.19	2.05	1.85	1.67
135° PCB Header - with fixing flange						
6	112-1796 ●	1.05	0.94	0.89	0.80	0.71
8	112-1799 ●	1.40	1.24	1.16	1.05	0.96
10	112-1775 ●	1.72	1.55	1.46	1.32	1.18

15

MCV1.5 Series 8A
3.5 mm Pitch



- Headers plug in direction vertical to PCB
- Pitch 3.5mm
- Insulating Material Group 1

Current Rating	8A	Voltage rating	160V
Surge Voltage Category	III	Contamination Class	3
	III	Rated Voltage	160V
	II	Rated Surge Voltage	2.5kV

339180

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	Price Each			
				1+	25+	100+	250+
2	MCV1.5/2-G-3.5	1843606	370-4816 ●	0.31	0.26	0.25	0.22
3	MCV1.5/3-G-3.5	1843619	370-4828 ●	0.48	0.40	0.38	0.36
4	MCV1.5/4-G-3.5	1843622	370-4830 ●	0.60	0.51	0.48	0.45
5	MCV1.5/5-G-3.5	1843635	370-4841 ●	0.79	0.65	0.61	0.57
6	MCV1.5/6-G-3.5	1843648	370-4853 ●	0.92	0.77	0.71	0.67
8	MCV1.5/8-G-3.5	1843664	370-4865 ●	1.23	1.03	0.97	0.91
9	MCV1.5/9-G-3.5	1843677	370-4877 ●	1.39	1.15	1.09	1.02
10	MCV1.5/10-G-3.5	1843680	370-4889 ●	1.54	1.30	1.20	1.13
12	MCV1.5/12-G-3.5	1843703	370-4890 ●	1.87	1.55	1.47	1.38

Plug-In PCB Mounting Terminal Blocks - continued

MC1.5 Series, Plug-in 8A
3.5mm Pitch



- Plug for 3.5mm headers
- Plug in direction parallel to the conductor axis
- Pitch 3.5mm

Current Rating 8A
Wire Size 0.14mm² to 1.5mm²

339170

No. of Ways	Mftrs. Type No.	Order Code	Price Each			
			1+	25+	100+	250+
2	MC 1,5/2-ST-3,5	508-8951●	1.05	0.88	0.81	0.75
3	MC 1,5/3-ST-3,5	508-8963●	1.56	1.41	1.39	1.34
4	MC 1,5/4-ST-3,5	508-8975●	1.88	1.68	1.57	1.44
5	MC 1,5/5-ST-3,5	508-8987●	2.37	2.15	2.02	1.85
6	MC 1,5/6-ST-3,5	508-8999●	2.86	2.59	2.40	2.18
7	MC 1,5/7-ST-3,5	508-9001●	3.37	3.04	2.79	2.54
8	MC 1,5/8-ST-3,5	508-9013●	3.86	3.47	3.18	2.91
9	MC 1,5/9-ST-3,5	508-9025●	4.35	3.92	3.59	3.27
10	MC 1,5/10-ST-3,5	508-9037●	4.71	4.27	3.99	3.63
12	MC 1,5/12-ST-3,5	508-9049●	5.54	5.03	4.79	4.37

MCVW1.5 Series, Plug-in 8A
3.5mm Pitch



- Plug for PCB headers MC1.5
- Pitch 3.5mm
- Plug in direction vertical to the conductor axis
- Connection point facing the rippled side of the header
- Insulating Material, Group 1

Wire Size 0.14 - 1.5mm² Voltage rating 160V
Current Rating 8A

339175

No. of Ways	Mftrs. Type No.	Order Code	Price Each			
			1+	25+	100+	250+
2	MCVW 1,5/2-ST-3,5	508-9153●	0.95	0.85	0.78	0.69
3	MCVW 1,5/3-ST-3,5	508-9165●	1.35	1.22	1.16	1.06
4	MCVW 1,5/4-ST-3,5	508-9177●	1.81	1.63	1.54	1.41
5	MCVW 1,5/5-ST-3,5	508-9189●	2.37	2.10	1.94	1.75
6	MCVW 1,5/6-ST-3,5	508-9190●	2.83	2.52	2.31	2.10
8	MCVW 1,5/8-ST-3,5	508-9219●	3.70	3.37	3.10	2.82
10	MCVW 1,5/10-ST-3,5	508-9232●	4.56	4.15	3.87	3.53
12	MCVW 1,5/12-ST-3,5	508-9244●	5.57	5.04	4.65	4.24

MCVR1.5 Series, Plug-in 8A
3.5mm Pitch



- Plug for PCB headers MC1.5
- Pitch 3.5mm
- Plug in direction vertical to the conductor axis
- Connection point facing the coding side of the header

Wire Size 0.14 - 1.5mm²
Current Rating 8A
Voltage Rating 160V

339172

No. of Ways	Mftrs. Type No.	Order Code	Price Each			
			1+	25+	100+	250+
2	MCVR 1,5/2-ST-3,5	508-9050●	0.95	0.85	0.78	0.69
3	MCVR 1,5/3-ST-3,5	508-9062●	1.35	1.22	1.16	1.06
4	MCVR 1,5/4-ST-3,5	508-9074●	1.88	1.67	1.54	1.41
5	MCVR 1,5/5-ST-3,5	508-9086●	2.37	2.10	1.94	1.75
6	MCVR 1,5/6-ST-3,5	508-9098●	2.83	2.52	2.31	2.10
8	MCVR 1,5/8-ST-3,5	508-9116●	3.70	3.37	3.10	2.82
9	MCVR 1,5/9-ST-3,5	508-9128●	4.21	3.79	3.50	3.18
10	MCVR 1,5/10-ST-3,5	508-9130●	4.67	4.20	3.87	3.53
12	MCVR 1,5/12-ST-3,5	508-9141●	5.57	5.04	4.65	4.24

Locking Plug in Terminal Blocks
5.08mm Pitch



- Headers and Plugs available
- 5.08mm Pitch
- Low Cost, two part connection system

- Jackscrew locking for greater security on mating
- Screw terminal

Maximum Voltage 300V
Current Rating 10A
Temperature Range -40°C to +105°C

Maximum Wire Size 1.5mm²
Housing Colour Polyamide 6.6 Green

479399

	Order Code	Price Each		
		1+	50+	100+
Free Plug				
2 way	136-0238●	0.70	0.59	0.52
3 way	136-0239●	0.86	0.75	0.64
4 way	136-0240●	1.09	0.94	0.82
5 way	136-0241●	1.26	1.07	0.95
6 way	136-0242●	1.47	1.27	1.10
8 way	136-0244●	1.86	1.59	1.40
10 way	136-0245●	2.26	1.97	1.69
12 way	136-0246●	2.64	2.23	1.98
Side Entry Header				
2 way	136-0247●	0.44	0.38	0.33
3 way	136-0248●	0.52	0.46	0.40
4 way	136-0249●	0.64	0.56	0.49
5 way	136-0250●	0.74	0.63	0.56
6 way	136-0251●	0.83	0.72	0.62
8 way	136-0252●	1.04	0.89	0.78
10 way	136-0253●	1.22	1.04	0.90
12 way	136-0254●	1.42	1.23	1.07
Vertical Header				
2 way	136-0256●	0.44	0.38	0.33
3 way	136-0257●	0.52	0.46	0.40
4 way	136-0258●	0.64	0.56	0.49
5 way	136-0259●	0.74	0.63	0.56
6 way	136-0260●	0.83	0.72	0.62
8 way	136-0261●	1.04	0.89	0.78
10 way	136-0262●	1.22	1.04	0.90
12 way	136-0263●	1.42	1.23	1.07

MCV1.5 Series 8A
3.81mm Pitch



- Headers plug in direction vertical to PCB
- Pitch 3.81mm
- Insulating Material Group 1

Current Rating 8A Voltage rating 160V
Surge Voltage Catagory III Contamination Class 3 Rated Voltage 160V Rated Surge Voltage 2.5V
III 2 160V 2.5V
II 2 250V 2.5V

339178

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	Price Each			
				1+	25+	100+	250+
2	MCV1.5/2-G-3.81	1803426	391-3077●	0.31	0.25	0.21	0.20
3	MCV1.5/3-G-3.81	1803439	391-3089●	0.44	0.36	0.34	0.32
4	MCV1.5/4-G-3.81	1803442	391-3144●	0.58	0.47	0.44	0.41
5	MCV1.5/5-G-3.81	1803455	391-3107●	0.72	0.67	0.64	0.62
6	MCV1.5/6-G-3.81	1803468	391-3119●	0.88	0.82	0.79	0.75
8	MCV1.5/8-G-3.81	1803484	391-3120●	0.92	0.85	0.82	0.78
9	MCV1.5/9-G-3.81	1803497	391-3132●	1.50	1.40	1.36	1.24
10	MCV1.5/10-G-3.81	1803507	391-3156●	1.23	1.15	1.10	1.05
12	MCV1.5/12-G-3.81	1803523	391-3168●	1.53	1.43	1.37	1.31

MC1.5 Series 8A
90° PCB Header, 3.81mm Pitch



- Headers plug in direction parallel to PCB
- Pitch 3.81mm

Current Rating 8A

Mftrs. List No.	1803277=370-4725	1803303=370-4750	1803345=370-4786
	1803280=370-4737	1803316=370-4762	1803358=370-4798
	1803293=370-4749	1803332=370-4774	1803374=370-4804

230738

15

Farnell



40,000 PRICES REDUCED





No. of Ways	Mfrs.		1+	Price Each		
	Type No.	Order Code		25+	100+	250+
2	MC1.5/2-G-3.81	370-4725	0.32	0.25	0.21	0.20
3	MC1.5/3-G-3.81	370-4737	0.45	0.37	0.35	0.33
4	MC1.5/4-G-3.81	370-4749	0.59	0.48	0.45	0.42
5	MC1.5/5-G-3.81	370-4750	0.73	0.68	0.65	0.63
6	MC1.5/6-G-3.81	370-4762	0.90	0.70	0.66	0.62
8	MC1.5/8-G-3.81	370-4774	1.26	1.17	1.12	1.07
9	MC1.5/9-G-3.81	370-4786	1.83	1.52	1.36	1.22
10	MC1.5/10-G-3.81	370-4798	1.58	1.48	1.42	1.36
12	MC1.5/12-G-3.81	370-4804	1.91	1.75	1.68	1.61

MCVW1.5 Series, Plug-in 8A
3.81mm Pitch



- Plug for PCB headers MC1.5
- Pitch 3.81mm
- Plug in direction vertical to the conductor axis
- Connection point facing the rippled side of the header
- Insulating Material, Group 1

Wire Size 0.14 - 1.5mm²
Current Rating 8A
Voltage rating 160V

230415

No. of Ways	Mfrs.		Order Code	Price Each			
	Type No.	List No.		1+	25+	100+	250+
2	MCVW1.5/2-ST-3.81	1826979	370-5080	1.14	1.03	0.93	0.79
3	MCVW1.5/3-ST-3.81	1826982	370-5092	1.75	1.53	1.38	1.19
4	MCVW1.5/4-ST-3.81	1826995	370-5109	2.33	2.04	1.83	1.57
5	MCVW1.5/5-ST-3.81	1827004	370-5110	2.91	2.56	2.29	1.98
6	MCVW1.5/6-ST-3.81	1827017	370-5122	3.48	3.06	2.73	2.39
8	MCVW1.5/8-ST-3.81	1827033	370-5134	4.64	4.09	3.65	3.16
9	MCVW1.5/9-ST-3.81	1827046	370-5146	5.23	4.61	4.12	3.54
10	MCVW1.5/10-ST-3.81	1827059	370-5158	5.78	5.11	4.57	3.96
12	MCVW1.5/12-ST-3.81	1827075	370-5160	6.95	6.15	5.50	4.74

MCVR1.5 Series, Plug-in 8A
3.81mm Pitch



- Plug for PCB headers MC1.5
- Pitch 3.81mm
- Plug in direction vertical to the conductor axis
- Connection point facing the coding side of the header

Wire Size 0.14 - 1.5mm²
Current Rating 8A
Voltage Rating 160V

230414

No. of Ways	Mfrs.		Order Code	Price Each			
	Type No.	List No.		1+	25+	100+	250+
2	MCVR1.5/2-ST-3.81	1827127	370-4993	1.14	1.03	0.93	0.79
3	MCVR1.5/3-ST-3.81	1827130	370-5006	1.75	1.53	1.38	1.19
4	MCVR1.5/4-ST-3.81	1827143	370-5018	2.33	2.04	1.83	1.57
5	MCVR1.5/5-ST-3.81	1827156	370-5020	2.91	2.56	2.29	1.98
6	MCVR1.5/6-ST-3.81	1827169	370-5031	3.48	3.06	2.73	2.39
8	MCVR1.5/8-ST-3.81	1827185	370-5043	4.64	4.09	3.65	3.16
9	MCVR1.5/9-ST-3.81	1827198	370-5055	5.23	4.61	4.12	3.54
10	MCVR1.5/10-ST-3.81	1827208	370-5067	5.78	5.11	4.57	3.96
12	MCVR1.5/12-ST-3.81	1827224	370-5079	6.95	6.15	5.50	4.74

MC1.5 Series, Plug-in 8A
3.81mm Pitch



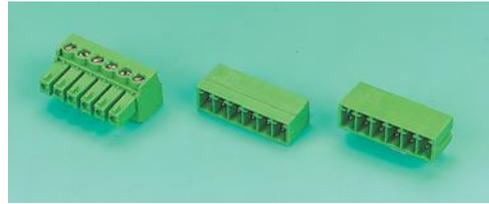
- Headers plug in direction parallel to the conductor axis
- Pitch 3.81mm

Current Rating 8A
Wire Size 0.14mm² to 1.5mm²

230300

No. of Ways	Mfrs.		Order Code	Price Each			
	Type No.	List No.		1+	25+	100+	250+
2	MC1.5/2-ST-3.81	1803578	370-4907	0.91	0.71	0.67	0.63
3	MC1.5/3-ST-3.81	1803581	370-4919	1.35	1.07	1.01	0.95
4	MC1.5/4-ST-3.81	1803594	370-4920	1.75	1.42	1.33	1.24
5	MC1.5/5-ST-3.81	1803604	370-4932	2.26	1.82	1.69	1.59
6	MC1.5/6-ST-3.81	1803617	370-4944	2.69	2.15	2.03	1.91
8	MC1.5/8-ST-3.81	1803633	370-4956	3.66	3.41	3.25	3.09
9	MC1.5/9-ST-3.81	1803646	370-4968	5.37	4.27	3.82	3.52
10	MC1.5/10-ST-3.81	1803659	370-4970	4.46	4.15	3.97	3.79
12	MC1.5/12-ST-3.81	1803675	370-4981	5.41	5.03	4.81	4.62

Plug-in 8A
3.81mm Pitch



- Rising clamp terminals for wire protection
- Horizontal and vertical PCB Headers
- **UL94V-0** flammability rating
- **UL / IEC** recognised

Rated Voltage 300V
Current Rating 8A
Temperature Range -40°C to +105°C
Flammability Class **UL94V-0**
Solid wire entry 1.5mm²
Screw size M2
Torque rating 0.25Nm
Colour Green

411954

No of Ways	Mfrs.		Order Code	Price Each				
	Type No.	List No.		1+	25+	100+	250+	500+
Free Plug								
2	21.1550M/2		963-2735	0.730	0.700	0.660	0.620	0.590
3	21.1550M/3		963-2743	1.080	1.050	1.000	0.950	0.880
4	21.1550M/4		963-2751	1.450	1.420	1.320	1.260	1.190
5	21.1550M/5		963-2760	1.820	1.790	1.660	1.590	1.470
6	21.1550M/6		963-2778	2.170	2.130	1.990	1.910	1.760
8	21.1550M/8		963-2786	2.900	2.810	2.680	2.540	2.350
10	21.1550M/10		963-2794	3.620	3.540	3.320	3.180	2.950
12	21.1550M/12		963-2808	4.340	4.230	4.010	3.810	3.550
Top Entry Header, Closed End								
2	21.155MH/2		963-2816	0.270	0.260	0.250	0.220	0.194
3	21.155MH/3		963-2824	0.380	0.370	0.360	0.340	0.310
4	21.155MH/4		963-2832	0.480	0.470	0.440	0.420	0.390
5	21.155MH/5		963-2840	0.590	0.570	0.540	0.520	0.490
6	21.155MH/6		963-2859	0.750	0.730	0.690	0.640	0.590
8	21.155MH/8		963-2867	1.000	0.970	0.920	0.880	0.800
10	21.155MH/10		963-2875	1.250	1.230	1.170	1.090	0.970
12	21.155MH/12		963-2883	1.500	1.460	1.370	1.320	1.190
Side Entry Header, Closed End								
2	21.155MH/2		963-2891	0.270	0.260	0.250	0.220	0.194
3	21.155MH/3		963-2905	0.380	0.370	0.360	0.340	0.310
4	21.155MH/4		963-2913	0.480	0.470	0.440	0.420	0.390
5	21.155MH/5		963-2921	0.590	0.570	0.540	0.520	0.490
6	21.155MH/6		963-2930	0.750	0.730	0.690	0.640	0.590
8	21.155MH/8		963-2948	1.000	0.970	0.920	0.880	0.800
10	21.155MH/10		963-2956	1.250	1.230	1.170	1.090	0.970
12	21.155MH/12		963-2964	1.500	1.460	1.370	1.320	1.190

15

Locking Plug in Terminal Blocks
3.81mm Pitch



- Headers and Plugs available
- 3.81mm Pitch
- Low Cost, two part connection system
- Jackscrew locking for greater security on mating
- Screwing terminal

Maximum Voltage 300V
Current Rating 10A
Temperature Range -40°C to +105°C
Maximum Wire Size 1.5mm²
Housing Polymide 66
Colour Green

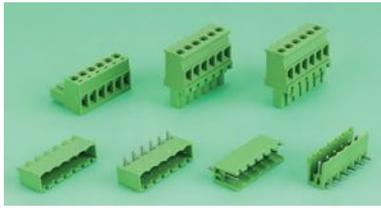
479398

	Order Code	Price Each		
		1+	50+	100+
Free Plug				
2 way	136-0264	0.78	0.67	0.58
3 way	136-0265	1.04	0.89	0.78
4 way	136-0266	1.26	1.07	0.95
5 way	136-0268	1.51	1.30	1.14
6 way	136-0269	1.74	1.48	1.30
8 way	136-0270	2.26	1.93	1.69
10 way	136-0271	2.72	2.33	2.04
12 way	136-0272	3.20	2.74	2.39
Side Entry Header				
2 way	136-0273	0.48	0.42	0.37
3 way	136-0274	0.57	0.49	0.43
4 way	136-0275	0.64	0.56	0.49
5 way	136-0276	0.78	0.67	0.58
6 way	136-0277	0.86	0.75	0.64
8 way	136-0278	1.09	0.94	0.82
10 way	136-0281	1.30	1.11	0.98
12 way	136-0282	1.51	1.30	1.14
Vertical Header				
2 way	136-0283	0.48	0.42	0.37
3 way	136-0284	0.57	0.49	0.43
4 way	136-0285	0.64	0.56	0.49
5 way	136-0287	0.78	0.67	0.58
6 way	136-0288	0.86	0.75	0.64
8 way	136-0289	1.09	0.94	0.82
10 way	136-0290	1.30	1.11	0.98
12 way	136-0291	1.51	1.30	1.14



Plug-In PCB Mounting Terminal Blocks - continued

12A Plug-In Terminal Blocks 5.0mm Pitch



- 2 to 24 way solid terminal block
- Open and closed headers R/A and vertical
- Vertical cable entry female standard and reverse polarisation
- Rising clamp terminals
- Approvals: **IMO, VDE & CE, UL** recognised

Maximum Voltage	380V	Maximum Wire Size	2.5mm ²
Current Rating	12.0A	Clamping Screw	M3 Zinc plated Steel 0.5Nm
Temperature Range	-20°C to 125°C	Housing	PA66 UL94V-0
Rising Clamp	Brass Copper Flash / Nickel	Colour	Green

232095

Mfrs. List No.	Order Code	1+	25+	100+	250+	
Female - Vertical Cable Entry						
2 way	CTB9200/2A	388-1854●	0.440	0.390	0.350	0.310
3 way	CTB9200/3A	388-1866●	0.690	0.560	0.510	0.450
4 way	CTB9200/4A	388-1878●	0.900	0.750	0.680	0.600
6 way	CTB9200/6A	388-1880●	1.330	1.130	1.010	0.920
8 way	CTB9200/8A	388-1891●	1.790	1.490	1.360	1.200
12 way	CTB9200/12A	388-1908●	2.660	2.240	2.040	1.830
Female - R/A Cable Entry, Standard Polarisation						
2 way	CTB9600/2A	388-1910●	0.480	0.440	0.390	0.370
3 way	CTB9600/3A	388-1921●	0.740	0.630	0.590	0.540
4 way	CTB9600/4A	388-1933●	0.980	0.860	0.770	0.710
6 way	CTB9600/6A	388-1945●	1.460	1.260	1.170	1.060
8 way	CTB9600/8A	388-1957●	2.000	1.660	1.560	1.420
12 way	CTB9600/12A	388-1969●	2.940	2.530	2.330	2.130
Female - R/A Cable Entry, Reverse Polarisation						
2 way	CTB92VG/2R	388-1970●	0.480	0.440	0.390	0.370
3 way	CTB92VG/3R	388-1982●	0.700	0.600	0.560	0.510
4 way	CTB92VG/4R	388-1994●	0.980	0.860	0.780	0.710
6 way	CTB92VG/6R	388-2007●	1.460	1.260	1.170	1.060
8 way	CTB92VG/8R	388-2019●	1.920	1.600	1.500	1.360
Male - PCB Header Vertical (Closed End)						
2 way	CTB9300/2A	388-2032●	0.149	0.115	0.099	0.084
3 way	CTB9300/3A	388-2044●	0.188	0.158	0.124	0.111
4 way	CTB9300/4A	388-2056●	0.270	0.210	0.177	0.161
6 way	CTB9300/6A	388-2068●	0.300	0.240	0.220	0.190
8 way	CTB9300/8A	388-2070●	0.470	0.410	0.370	0.330
12 way	CTB9300/12A	388-2081●	0.580	0.460	0.420	0.380
Male - PCB Header R/A (Closed End)						
2 way	CTB9350/2A	388-2093●	0.162	0.118	0.105	0.090
3 way	CTB9350/3A	388-2100●	0.210	0.183	0.154	0.140
4 way	CTB9350/4A	388-2111●	0.240	0.190	0.164	0.151
6 way	CTB9350/6A	388-2123●	0.410	0.350	0.310	0.280
8 way	CTB9350/8A	388-2135●	0.450	0.380	0.350	0.310
12 way	CTB9350/12A	388-2147●	0.870	0.680	0.620	0.550
Male - PCB Header Vertical (Open End)						
3 way	CTB9300/3AO	388-2160●	0.151	0.127	0.101	0.090
4 way	CTB9300/4AO	388-2172●	0.200	0.164	0.140	0.127
6 way	CTB9300/6AO	388-2184●	0.320	0.270	0.240	0.210
8 way	CTB9300/8AO	388-2196●	0.390	0.320	0.290	0.270
12 way	CTB9300/12AO	388-2202●	0.660	0.530	0.480	0.430
Male - PCB Header R/A (Open End)						
2 way	CTB9350/2AO	388-2214●	0.134	0.097	0.087	0.073
3 way	CTB9350/3AO	388-2226●	0.179	0.151	0.127	0.115
4 way	CTB9350/4AO	388-2238●	0.230	0.183	0.158	0.146
6 way	CTB9350/6AO	388-2240●	0.350	0.290	0.270	0.240
8 way	CTB9350/8AO	388-2251●	0.450	0.380	0.350	0.310
12 way	CTB9350/12AO	388-2263●	0.700	0.560	0.510	0.450

Interlocking and Plug-in 10A 5mm Pitch



- Horizontal or vertical cable entry
- Pins supplied loose or on a plastic 24 way pin-strip
- Dove tail stacking system for number of ways permutation
- Captive M2.6 x 5mm screws, suitable for automatic screwdriver operation

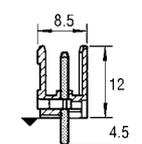
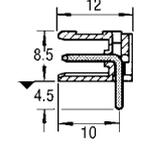
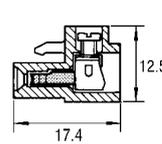
Rated Voltage	300V ac	Temperature Range	-30°C to +140°C
Current Rating	10A	Material	Glass Filled Polyamide 6
Clamping screw	Steel Zinc & Passivated	Colour	Grey
Pin & housing	Brass with Copper, nickel	Max wire size	2.5mm ²
Max insertions	30	Contact resistance	<10mΩ initially

411950

No of Ways	Mfrs. List No.	Order Code	2+	100+	500+	1K+
2	20.130M/2	963-2581●	0.38	0.35	0.34	0.33
3	20.130M/3	963-2590●	0.54	0.49	0.47	0.43
4	20.130M/4	963-2638●	0.71	0.64	0.61	0.57
5	20.130M/5	963-2646●	0.88	0.81	0.76	0.73
6	20.130M/6	963-2603●	1.19	1.06	0.94	0.83

Order Multiple=1			1+	100+	500+	1K+
12	20.130M/12	963-2611●	2.34	2.14	1.83	1.63
			Price Per Pack			
			5+	10+	25+	
PCB Pins			1+	5+	10+	25+
Loose (1000 Per Pack)	20.130M/P	963-2654●	12.52	11.97	10.92	9.84
Strip (24 Way Strip)	20.130M/PS	963-2620●	0.88	0.81	0.76	0.73

Plug-in 10A 5.08mm Pitch



Free plug

Side entry PCB header

Top entry PCB headers

Length = No. of ways x 5.08, except closed end version which is 2mm longer

- Low cost, two part connector for PCB's to wiring harness
- Screw terminal plug with cable protectors, captive screws and friction locks
- End stackable PCB headers, side or top entry
- Conforming to **VDE, UL, CSA** and **SEV** approved

Voltage Rating	250V ac (Group C)	Bush clamp & screw	Stainless Steel, zinc plated
	380V ac (Group B)	Contacts	Copper Alloy, Tin plated
Current Rating	10A	Cable protector	Stainless Steel
Temperature Range	-50°C to +100°C (Polyamide)	Housing : Free Plug	Polyamide 6.6 UL94V-2
	-20°C to +100°C (PBTP)	Headers	PBTP UL94V-0
Mating cycles	≤100	Colour	Orange
Pitch	5.08mm	Wire size	0.5 - 1.5mm ² (BL) 0.5 - 2.5mm ² (BLZ)

403369

Free Plug - Leaf Spring



403372

No. of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
Free Plug - Leaf Spring							
2	BL 5.08/2	113-1811●	0.53	0.48	0.45	0.40	0.37
3	BL 5.08/3	113-1812●	0.79	0.69	0.65	0.59	0.54
4	BL 5.08/4	113-1814●	1.07	0.97	0.91	0.82	0.73
5	BL 5.08/5	113-1815●	1.32	1.17	1.10	0.99	0.90
6	BL 5.08/6	113-1816●	1.52	1.36	1.27	1.14	1.04
7	BL 5.08/7	113-1823●	1.92	1.71	1.61	1.45	1.32
8	BL 5.08/8	113-1817●	2.07	1.86	1.73	1.56	1.43
9	BL 5.08/9	113-1824●	2.43	2.17	2.03	1.84	1.66
10	BL 5.08/10	113-1818●	2.43	2.17	2.03	1.84	1.66
11	BL 5.08/11	113-1826●	2.91	2.60	2.44	2.18	1.99
12	BL 5.08/12	113-1819●	2.97	2.55	2.45	2.20	2.01
13	BL 5.08/13	113-1827●	3.37	3.01	2.81	2.53	2.30
14	BL 5.08/14	113-1820●	3.39	3.04	2.85	2.55	2.33
15	BL 5.08/15	113-1821●	3.60	3.22	3.02	2.71	2.47
16	BL 5.08/16	113-1799●	3.89	3.49	3.25	2.94	2.66

Free Plug - Rising Clamp



403373

No. of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
Free Plug - Rising Clamp							
2	BLZ 5.08/2	112-1766●	0.78	0.66	0.59	0.54	0.51
3	BLZ 5.08/3	113-1714●	1.09	0.95	0.87	0.81	0.73
4	BLZ 5.08/4	113-1715●	1.48	1.27	1.16	1.08	1.00
5	BLZ 5.08/5	113-1717●	1.89	1.60	1.48	1.36	1.23
6	BLZ 5.08/6	113-1718●	2.21	1.77	1.73	1.59	1.47
7	BLZ 5.08/7	113-1828●	2.50	2.23	2.09	1.89	1.71
9	BLZ 5.08/9	113-1829●	3.04	2.72	2.64	2.39	2.17
10	BLZ 5.08/10	113-1720●	3.14	2.83	2.79	2.59	2.43
10	BLZ 5.08/10	113-1720●	3.14	2.83	2.79	2.59	2.43
11	BLZ 5.08/11	113-1830●	3.84	3.22	3.11	2.81	2.56

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
Free Plug - Rising Clamp							
12	BLZ 5.08/12	113-1721●	4.32	3.47	3.34	3.06	2.82
13	BLZ 5.08/13	113-1831●	3.57	3.08	3.00	2.70	2.45
14	BLZ 5.08/14	113-1723●	4.96	4.23	3.91	3.57	3.27
15	BLZ 5.08/15	113-1724●	5.01	4.51	4.36	4.02	3.71
16	BLZ 5.08/16	113-1725●	5.71	4.89	4.50	4.11	3.78

Free Plug - Tension Clamp



403374

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			1+	25+	100+	250+	500+
Free Plug - Tension Clamp							
2	BLZF 5.08/2	117-9257●	0.78	0.71	0.68	0.63	0.58
3	BLZF 5.08/3	112-1769●	1.10	0.96	0.87	0.81	0.73
4	BLZF 5.08/4	112-1770●	1.46	1.26	1.12	1.03	0.96
6	BLZF 5.08/6	112-1771●	2.02	1.82	1.60	1.40	1.18
10	BLZF 5.08/10	112-1768●	2.99	2.68	2.59	2.24	1.99
11	BLZF 5.08/11	501-3320●	1.21	1.18	1.16	1.14	1.12
13	BLZF 5.08/13	501-3331●	1.04	--	--	--	--

Side Entry PCB Header - Open End



403377

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			5+	25+	100+	250+	500+
Side Entry PCB Header - Open End							
2	SL 5.08/2/90	112-1828●	0.260	0.220	0.200	0.191	0.172
3	SL 5.08/3/90	112-1833●	0.350	0.310	0.300	0.270	0.250
4	SL 5.08/4/90	112-1837●	0.430	0.390	0.370	0.330	0.300
5	SL 5.08/5/90	112-1842●	0.510	0.470	0.440	0.400	0.370
6	SL 5.08/6/90	112-1847●	0.600	0.540	0.510	0.460	0.420
8	SL 5.08/8/90	112-1851●	0.820	0.720	0.680	0.610	0.560
9	SL 5.08/9/90	501-2910●	0.900	0.810	0.750	0.670	0.610
10	SL 5.08/10/90	112-1804●	1.000	0.900	0.840	0.750	0.680
12	SL 5.08/12/90	112-1809●	1.160	1.060	0.990	0.900	0.820
14	SL 5.08/14/90	112-1813●	1.260	1.130	1.060	0.950	0.870
15	SL 5.08/15/90	112-1817●	1.300	1.150	1.080	0.970	0.890
16	SL 5.08/16/90	112-1824●	1.450	1.150	1.120	1.020	0.940

Side Entry PCB Header - Closed End



403378

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			5+	25+	100+	250+	500+
Side Entry PCB Header - Closed End							
2	SL 5.08/2/90B	112-1829●	0.260	0.220	0.200	0.191	0.172
3	SL 5.08/3/90B	112-1834●	0.340	0.300	0.280	0.260	0.220
4	SL 5.08/4/90B	112-1838●	0.450	0.400	0.350	0.320	0.290
5	SL 5.08/5/90B	112-1843●	0.510	0.470	0.440	0.400	0.370
6	SL 5.08/6/90B	112-1848●	0.580	0.520	0.490	0.440	0.400
7	SL 5.08/7/90B	501-3021●	0.720	0.650	0.610	0.550	0.500
8	SL 5.08/8/90B	112-1852●	0.820	0.720	0.650	0.590	0.540
10	SL 5.08/10/90B	112-1805●	0.960	0.870	0.810	0.720	0.650
12	SL 5.08/12/90B	112-1810●	1.180	1.060	0.960	0.870	0.800
14	SL 5.08/14/90B	112-1814●	1.230	1.110	1.040	0.940	0.850
15	SL 5.08/15/90B	112-1818●	0.420	0.380	0.350	0.320	0.300

Top Entry PCB - Open End



403380

No. of Ways	Mfrs. List No.	Order Code	Price Each				
			5+	25+	100+	250+	500+
Top Entry PCB Header - Open End							
2	SL 5.08/2/180	112-1826●	0.260	0.220	0.200	0.191	0.172
3	SL 5.08/3/180	112-1830●	0.350	0.310	0.300	0.270	0.250
4	SL 5.08/4/180	112-1835●	0.450	0.400	0.380	0.340	0.310
5	SL 5.08/5/180	112-1840●	0.520	0.470	0.440	0.400	0.370
6	SL 5.08/6/180	112-1845●	0.580	0.520	0.490	0.440	0.400
7	SL 5.08/7/180	501-2946●	0.720	0.650	0.610	0.550	0.500
8	SL 5.08/8/180	112-1849●	0.790	0.690	0.650	0.590	0.540
9	SL 5.08/9/180	501-2958●	0.940	0.840	0.790	0.700	0.640
10	SL 5.08/10/180	112-1802●	1.000	0.900	0.840	0.750	0.680
12	SL 5.08/12/180	112-1806●	1.130	1.020	0.960	0.860	0.790
14	SL 5.08/14/180	112-1811●	0.960	0.870	0.820	0.730	0.670
15	SL 5.08/15/180	112-1815●	1.350	1.190	1.120	1.010	0.920
16	SL 5.08/16/180	112-1821●	1.450	1.300	1.200	1.090	0.990

Top Entry PCB - Closed End



403381

Mfrs. List No.	Order Code	Price Each				
		5+	25+	100+	250+	500+
Top Entry PCB Header - Closed End						
2	112-1827●	0.270	0.250	0.210	0.197	0.178
3	112-1831●	0.350	0.310	0.300	0.270	0.250
4	112-1836●	0.430	0.390	0.370	0.330	0.300
5	112-1841●	0.490	0.450	0.440	0.400	0.370
6	112-1846●	0.580	0.520	0.490	0.440	0.400
8	112-1850●	0.820	0.720	0.680	0.610	0.560
9	501-2983●	0.940	0.840	0.790	0.700	0.640
10	112-1803●	0.960	0.870	0.810	0.720	0.650
11	501-2995●	1.090	0.980	0.920	0.830	0.750
12	112-1808●	1.180	1.060	0.990	0.900	0.820
13	501-3008●	1.260	1.130	1.060	0.960	0.870
14	112-1812●	1.260	1.130	1.060	0.950	0.870
15	112-1816●	1.350	1.190	1.120	1.010	0.920
16	112-1823●	1.510	1.450	1.380	1.260	1.150

MSTBVA2.5 Series 12A

5.08mm Pitch



- Headers with side panels
- Plug in direction vertical to the conductor axis
- Pitch 5.08mm

Current Rating 12A



15

230903

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	Price Each			
				1+	25+	100+	250+
2	MSTBVA2.5/2-G5.08	1755736	370-5262●	0.31	0.25	0.22	0.21
3	MSTBVA2.5/3-G5.08	1755749	370-5274●	0.45	0.37	0.35	0.33
4	MSTBVA2.5/4-G5.08	1755752	370-5286●	0.59	0.47	0.45	0.43
5	MSTBVA2.5/5-G5.08	1755765	370-5298●	0.80	0.63	0.59	0.55
6	MSTBVA2.5/6-G5.08	1755778	370-5304●	0.96	0.77	0.70	0.65
8	MSTBVA2.5/8-G5.08	1755794	370-5316●	1.26	1.00	0.94	0.88
9	MSTBVA2.5/9-G5.08	1755804	370-5328●	1.44	1.14	1.07	1.00
10	MSTBVA2.5/10-G5.08	1755817	370-5330●	1.58	1.27	1.18	1.10
12	MSTBVA2.5/12-G5.08	1755833	370-5341●	1.91	1.52	1.43	1.33

MSTBA2.5 Series 12A

5.08mm Pitch



- Headers with side panels
- Plug in direction parallel to the conductor axis
- Pitch 5.08mm

Current Rating 12A



230902

No. of Ways	Mfrs. Type No.	Mfrs. List No.	Order Code	Price Each			
				1+	25+	100+	250+
2	MSTBA2.5/2-G5.08	1757242	370-5171●	0.31	0.25	0.22	0.21
3	MSTBA2.5/3-G5.08	1757255	370-5183●	0.45	0.37	0.35	0.33
4	MSTBA2.5/4-G5.08	1757268	370-5195●	0.59	0.47	0.45	0.43
5	MSTBA2.5/5-G5.08	1757271	370-5201●	0.80	0.63	0.59	0.55
6	MSTBA2.5/6-G5.08	1757284	370-5213●	0.96	0.77	0.70	0.65
8	MSTBA2.5/8-G5.08	1757307	370-5225●	1.26	1.00	0.94	0.88
9	MSTBA2.5/9-G5.08	1757310	370-5237●	1.44	1.14	1.07	1.00
10	MSTBA2.5/10-G5.08	1757323	370-5249●	1.58	1.27	1.18	1.10
12	MSTBA2.5/12-G5.08	1757349	370-5250●	1.91	1.52	1.43	1.33



Plug-In PCB Mounting Terminal Blocks - continued

MVSTBW2.5 Series, Plug-in 12A 5.08mm Pitch



- Plugs, plug in direction vertical to the conductor axis
 - Connection point facing to the rippled wall of the header
 - Pitch 5.08mm
 - Insulating Material, Group I
- Wire Size 0.5 - 2.5mm²
Current Rating 12A
Voltage rating 250V

Mftrs. List No:	1792757 = 370-5535	1792786 = 370-5560	1792825 = 370-5596
	1792760 = 370-5547	1792799 = 370-5572	1792838 = 370-5602
	1792773 = 370-5559	1792812 = 370-5584	1792854 = 370-5614

No. of Ways	Mftrs. Type No.	Order Code	1+	25+	100+	250+
2	MVSTBW2.5/2-ST-5.08	370-5535	1.12	0.94	0.84	0.78
3	MVSTBW2.5/3-ST-5.08	370-5547	1.70	1.42	1.26	1.14
4	MVSTBW2.5/4-ST-5.08	370-5559	2.24	1.89	1.68	1.54
5	MVSTBW2.5/5-ST-5.08	370-5560	2.81	2.37	2.10	1.93
6	MVSTBW2.5/6-ST-5.08	370-5572	3.37	2.82	2.52	2.30
8	MVSTBW2.5/8-ST-5.08	370-5584	4.47	3.76	3.37	3.06
9	MVSTBW2.5/9-ST-5.08	370-5596	5.01	4.23	3.78	3.44
10	MVSTBW2.5/10-ST-5.08	370-5602	5.28	4.69	4.20	3.62
12	MVSTBW2.5/12-ST-5.08	370-5614	6.71	5.65	5.05	4.59

MVSTBR2.5 Series, Plug-in 12A 5.08mm Pitch



- Plugs, plug in direction vertical to the conductor axis
 - Pitch 5.08mm
 - Insulating Material Group 1
- Wire Size 0.5 - 2.5mm²
Current Rating 12A

Mftrs. List No:	1792249 = 370-5444	1792278 = 370-5470	1792317 = 370-5500
	1792252 = 370-5456	1792281 = 370-5481	1792320 = 370-5511
	1792265 = 370-5468	1792304 = 370-5493	1792346 = 370-5523

No. of Ways	Mftrs. Type No.	Order Code	1+	25+	100+	250+
2	MVSTBR2.5/2-ST-5.08	370-5444	0.83	0.65	0.61	0.57
3	MVSTBR2.5/3-ST-5.08	370-5456	1.21	0.97	0.91	0.85
4	MVSTBR2.5/4-ST-5.08	370-5468	1.62	1.31	1.22	1.15
5	MVSTBR2.5/5-ST-5.08	370-5470	2.20	1.77	1.66	1.56
6	MVSTBR2.5/6-ST-5.08	370-5481	2.64	2.12	1.99	1.87
8	MVSTBR2.5/8-ST-5.08	370-5493	3.45	2.75	2.58	2.42
9	MVSTBR2.5/9-ST-5.08	370-5500	3.96	3.17	2.98	2.79
10	MVSTBR2.5/10-ST-5.08	370-5511	4.42	3.53	3.31	3.10
12	MVSTBR2.5/12-ST-5.08	370-5523	5.29	4.24	3.98	3.73

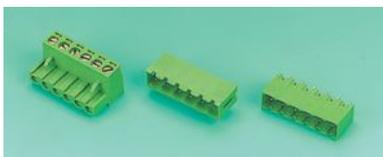
MSTB2.5 Series, Plug-in 12A 5.08mm Pitch



- MSTB plug, plugs-in direction parallel to the conductor axis
 - Pitch 5.08mm
 - Insulating Material Group 1
- Wire Size 0.2 - 2.5mm²
Current Rating 12A
Voltage Rating 250V

No. of Ways	Mftrs. Type No.	Mftrs. List No.	Order Code	1+	25+	100+	250+
2	MSTB2.5/2-ST-5.08	1757019	370-5353	0.83	0.65	0.61	0.57
3	MSTB2.5/3-ST-5.08	1757022	370-5365	1.21	0.97	0.91	0.85
4	MSTB2.5/4-ST-5.08	1757035	370-5377	1.60	1.30	1.20	1.12
5	MSTB2.5/5-ST-5.08	1757048	370-5389	2.20	1.77	1.66	1.56
6	MSTB2.5/6-ST-5.08	1757051	370-5390	2.65	2.12	1.99	1.87
8	MSTB2.5/8-ST-5.08	1757077	370-5407	3.49	2.79	2.61	2.45
9	MSTB2.5/9-ST-5.08	1757080	370-5419	3.95	3.16	2.97	2.77
10	MSTB2.5/10-ST-5.08	1757093	370-5420	4.41	3.52	3.30	3.10
12	MSTB2.5/12-ST-5.08	1757116	370-5432	5.28	4.23	3.97	3.71

Plug-in 15A 5.08mm Pitch



- Low profile only 12mm height
- Rising clamp terminals for wire protection
- Horizontal and vertical PCB headers
- UL / IEC recognised

Rated Voltage	300V	Solid wire entry	2.5mm ²
Current Rating	12A	Screw size	M3
Temperature Range	-30°C to +105°C	Torque rating	0.5N-m
Flammability Class	UL94V-0	Colour	Green

411956

No of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
Free Plug							
2	21.950M/2	963-3030	0.490	0.440	0.420	0.410	0.390
3	21.950M/3	963-3049	0.740	0.660	0.630	0.600	0.590
4	21.950M/4	963-3057	0.970	0.900	0.850	0.820	0.800
5	21.950M/5	963-3065	1.220	1.120	1.050	1.010	0.970
6	21.950M/6	963-3073	1.460	1.340	1.260	1.220	1.190
8	21.950M/8	963-3081	1.950	1.810	1.700	1.620	1.570
10	21.950M/10	963-3090	2.440	2.260	2.140	2.040	1.950
12	21.950M/12	963-3103	2.940	2.710	2.550	2.440	2.350
Top Entry Header, Closed End							
2	21.95MV/2	963-3111	0.220	0.210	0.196	0.185	0.171
3	21.95MV/3	963-3120	0.340	0.320	0.290	0.280	0.260
4	21.95MV/4	963-3138	0.430	0.400	0.380	0.370	0.330
5	21.95MV/5	963-3146	0.540	0.490	0.470	0.440	0.410
6	21.95MV/6	963-3154	0.640	0.600	0.560	0.530	0.490
8	21.95MV/8	963-3162	0.870	0.800	0.750	0.730	0.640
10	21.95MV/10	963-3170	1.070	0.980	0.940	0.900	0.820
12	21.95MV/12	963-3189	1.280	1.200	1.120	1.050	0.970
Side Entry Header, Closed End							
2	21.95MH/2	963-3197	0.220	0.210	0.196	0.185	0.171
3	21.95MH/3	963-3200	0.340	0.320	0.290	0.280	0.260
4	21.95MH/4	963-3219	0.430	0.400	0.380	0.370	0.330
5	21.95MH/5	963-3227	0.540	0.490	0.470	0.440	0.410
6	21.95MH/6	963-3235	0.640	0.600	0.560	0.530	0.490
8	21.95MH/8	963-3243	0.870	0.800	0.750	0.730	0.640
10	21.95MH/10	963-3251	1.070	0.980	0.940	0.900	0.820
12	21.95MH/12	963-3260	1.280	1.200	1.120	1.050	0.970

Locking Plug in Terminal Blocks 3.5mm Pitch



- Headers and Plugs available
- 3.5mm Pitch
- Low Cost, two part connection system
- Jackscrew locking for greater security on mating
- Screw terminal

Maximum Voltage	300V	Maximum Wire Size	4mm ²
Current Rating	16A	Housing	Polyamide 6.6
Temperature Range	-40°C to +105°C	Colour	Green

479391

	Order Code	1+	Price Each 50+	100+
Free Plug				
2 way	136-0293	0.78	0.67	0.58
3 way	136-0294	1.04	0.89	0.78
4 way	136-0295	1.26	1.07	0.95
5 way	136-0296	1.51	1.30	1.14
6 way	136-0297	1.74	1.48	1.30
8 way	136-0298	2.26	1.93	1.69
10 way	136-0299	2.72	2.33	2.04
12 way	136-0300	3.20	2.74	2.39
Side Entry Header				
2 way	136-0301	0.48	0.42	0.37
3 way	136-0302	0.57	0.49	0.43
4 way	136-0303	0.64	0.56	0.49
5 way	136-0304	0.78	0.67	0.58
6 way	136-0305	0.86	0.75	0.64
8 way	136-0306	1.09	0.94	0.82
10 way	136-0307	1.30	1.11	0.98
12 way	136-0308	1.51	1.30	1.14
Vertical Header				
2 way	136-0311	0.48	0.42	0.37
3 way	136-0312	0.57	0.49	0.43
4 way	136-0313	0.64	0.56	0.49
5 way	136-0314	0.78	0.67	0.58
6 way	136-0315	0.86	0.75	0.64
8 way	136-0316	1.09	0.94	0.82
10 way	136-0317	1.30	1.11	0.98
12 way	136-0318	1.51	1.30	1.14

12A Plug-In Terminal Blocks 7.5mm Pitch



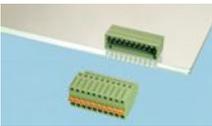
- 2 to 12 way solid terminal block
- Open and closed headers R/A and vertical
- Vertical cable entry female plug-in
- Rising clamp terminals
- Approvals: IMQ, VDE & CE, UL recognised

Maximum Voltage	750V	Maximum Wire Size	2.5mm ²
Current Rating	12.0A	Clamping Screw	M3 Zinc plated Steel 0.5Nm
Temperature Range	-20°C to 125°C	Housing	PA66 UL94V-0
Rising Clamp	Brass Copper Flash / Nickel	Colour	Green

232096

Mfrs. List No.	Order Code	1+	25+	100+	250+
Female - Vertical Cable Entry					
2 way CTB9400/2	388-2275●	0.600	0.450	0.390	0.350
3 way CTB9400/3	388-2287●	0.930	0.710	0.590	0.530
4 way CTB9400/4	388-2299●	1.310	0.980	0.830	0.720
6 way CTB9400/6	388-2305●	1.710	1.310	1.090	0.960
8 way CTB9400/8	388-2317●	2.390	1.840	1.500	1.350
12 way CTB9400/12	388-2329●	3.410	2.620	2.170	1.950
Male - PCB Header Vertical (Closed End)					
2 way CTB9500/2	388-2330●	0.151	0.115	0.101	0.090
3 way CTB9500/3	388-2342●	0.240	0.179	0.151	0.139
4 way CTB9500/4	388-2354●	0.300	0.220	0.194	0.170
6 way CTB9500/6	388-2366●	0.450	0.350	0.300	0.280
8 way CTB9500/8	388-2378●	0.680	0.510	0.440	0.390
12 way CTB9500/12	388-2380●	0.690	0.520	0.440	0.380
Male - PCB Header R/A (Closed End)					
2 way CTB9550/2	388-2391●	0.164	0.127	0.101	0.090
3 way CTB9550/3	388-2408●	0.240	0.190	0.151	0.140
4 way CTB9550/4	388-2410●	0.320	0.240	0.200	0.190
6 way CTB9550/6	388-2421●	0.340	0.270	0.210	0.199
8 way CTB9550/8	388-2433●	0.620	0.470	0.390	0.360
12 way CTB9550/12	388-2445●	0.670	0.520	0.430	0.390
Male - PCB Header Vertical (Open End)					
2 way CTB9500/2A0	388-2457●	0.151	0.115	0.101	0.090
3 way CTB9500/3A0	388-2469●	0.176	0.134	0.113	0.104
4 way CTB9500/4A0	388-2470●	0.230	0.176	0.152	0.134
6 way CTB9500/6A0	388-2482●	0.320	0.250	0.200	0.192
Male - PCB Header R/A (Open End)					
2 way CTB9550/2A0	388-2512●	0.115	0.089	0.070	0.063
3 way CTB9550/3A0	388-2524●	0.176	0.142	0.113	0.104
4 way CTB9550/4A0	388-2536●	0.310	0.220	0.194	0.181
6 way CTB9550/6A0	388-2548●	0.360	0.280	0.230	0.220

ASP051 Spring Clamp Terminal Blocks
2.5mm Pitch



- Pluggable terminal block
- 2.5mm Pitch
- Wire entry parallel to plug direction
- Mates with RIA's 373 & 374 series Headers



Specifications:-

Current Rating	4A	Voltage Rating	130V
Insulating Material Class	CTI 600	Protection Category	IP20
Min. Insulation Strip Length	8mm		

No. of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
2	ASP0510206	168-8228●	1.02	0.95	0.80	0.73	0.68
3	ASP0510306	168-8229●	1.52	1.43	1.20	1.09	1.02
4	ASP0510406	168-8230●	2.03	1.90	1.60	1.45	1.35
5	ASP0510506	168-8231●	2.54	2.38	2.01	1.81	1.69
6	ASP0510606	168-8232●	3.05	2.86	2.41	2.18	2.03
8	ASP0510806	168-8233●	4.06	3.81	3.21	2.90	2.71
10	ASP0511006	168-8234●	5.08	4.76	4.01	3.63	3.39
12	ASP0511206	168-8235●	6.10	5.71	4.81	4.35	4.06

Type 374 / 373 Side & Top Entry Headers
2.5mm Pitch



- 0.8mm square contact pins
- Closed ends
- Side entry (374 series) / Top entry (373 series)
- Mates with RIA's ASP051 Terminal Blocks

Specifications:-

Current Rating	4A	Voltage Rating	130V
Insulating Material Class	CTI 600	Protection Category	IP00
Solder Pin Dimension	0.8 x 0.8mm	PCB Hole ∅	1.3mm
Solder Pin Length	3.2mm		

No. of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
Side Entry							
2	31374102	168-8237●	0.35	0.33	0.27	0.25	0.23
3	31374103	168-8238●	0.52	0.49	0.41	0.37	0.35
4	31374104	168-8239●	0.69	0.65	0.55	0.50	0.46
5	31374105	168-8240●	0.87	0.81	0.69	0.62	0.58
6	31374106	168-8241●	1.04	0.98	0.82	0.74	0.69
8	31374108	168-8242●	1.39	1.30	1.10	0.99	0.93
10	31374110	168-8243●	1.74	1.63	1.37	1.24	1.16
12	31374112	168-8244●	2.08	1.95	1.65	1.49	1.39
Top Entry							
2	31373102	168-8245●	0.35	0.33	0.27	0.25	0.23
3	31373103	168-8246●	0.52	0.49	0.41	0.37	0.35
4	31373104	168-8247●	0.69	0.65	0.55	0.50	0.46
5	31373105	168-8249●	0.87	0.81	0.69	0.62	0.58
6	31373106	168-8251●	1.04	0.98	0.82	0.74	0.69
8	31373108	168-8252●	1.39	1.30	1.10	0.99	0.93
10	31373110	168-8253●	1.74	1.63	1.37	1.24	1.16
12	31373112	168-8254●	2.08	1.95	1.65	1.49	1.39

ASP044 Spring Clamp Terminal Blocks
3.81mm Pitch



- Pluggable terminal block
- 3.81mm Pitch
- Wire entry parallel to plug direction
- Mates with RIA's 190 & 191 series Headers



Specifications:-

Current Rating	10A	Voltage Rating	130V
Insulating Material Class	CTI 400	Protection Category	IP20
Min. Insulation Strip Length	6mm		

No. of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
2	ASP0440202	168-8202●	1.15	1.07	0.90	0.82	0.76
3	ASP0440302	168-8203●	1.72	1.61	1.36	1.23	1.15
4	ASP0440402	168-8204●	2.29	2.15	1.81	1.64	1.53
5	ASP0440502	168-8205●	2.86	2.68	2.26	2.04	1.91
6	ASP0440602	168-8206●	3.44	3.22	2.71	2.45	2.29
8	ASP0440802	168-8207●	4.29	4.03	3.39	3.07	2.86
10	ASP0441002	168-8208●	5.37	5.03	4.24	3.83	3.58
12	ASP0441202	168-8209●	6.44	6.04	5.08	4.60	4.29

Type 190 / 191 Side & Top Entry Headers
3.81mm Pitch



- Designed for through hole
- 0.8mm square contact pins
- Closed ends
- Codable
- Side entry (190 series) / Top entry (191 series)
- Mates with RIA's ASP044 Terminal Blocks

Specifications:-

Current Rating	10A	Voltage Rating	130V
Insulating Material Class	CTI 600	Protection Category	IP00
Solder Pin Dimension	0.8 x 0.8mm	PCB Hole ∅	1.3mm
Solder Pin Length	3.5mm (190) / 3.25mm (191)		

No. of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
Side Entry							
2	31190102	168-8210●	0.41	0.38	0.32	0.29	0.27
3	31190103	168-8211●	0.62	0.58	0.49	0.44	0.41
4	31190104	168-8213●	0.82	0.77	0.65	0.59	0.55
5	31190105	168-8214●	1.03	0.96	0.81	0.73	0.68
6	31190106	168-8215●	1.23	1.15	0.97	0.88	0.82
8	31190108	168-8216●	1.64	1.54	1.29	1.17	1.09
10	31190110	168-8217●	2.05	1.92	1.62	1.46	1.37
12	31190112	168-8218●	2.46	2.31	1.94	1.76	1.64
Top Entry							
2	31191102	168-8219●	0.39	0.37	0.31	0.28	0.26
3	31191103	168-8220●	0.59	0.55	0.47	0.42	0.39
4	31191104	168-8221●	0.79	0.74	0.62	0.56	0.53
5	31191105	168-8222●	0.99	0.92	0.78	0.70	0.66
6	31191106	168-8223●	1.18	1.11	0.93	0.85	0.79
8	31191108	168-8225●	1.58	1.48	1.25	1.13	1.05
10	31191110	168-8226●	1.97	1.85	1.56	1.41	1.31
12	31191112	168-8227●	2.37	2.22	1.87	1.69	1.58

AST215 / AST225 Spring Clamp Terminal Blocks
5mm Pitch



- Solderable
- 5mm Pitch
- Vertical / horizontal wire entry
- Double solder pins

Specifications:-

Current Rating	12A	Voltage Rating	250V
Insulating Material Class	CTI 600	Protection Category	IP20
Min. Insulation Strip Length	8.5mm	Solder Pin Dimension	0.4 x 0.8mm
PCB Hole dia.	1.1mm	Solder Pin Length	1.5mm

No. of Ways	Mfrs. List No.	Order Code	1+	25+	100+	250+	500+
Vertical Wire Entry							
2	AST2150202	168-8268●	0.78	0.74	0.62	0.56	0.52
3	AST2150302	168-8269●	1.18	1.10	0.93	0.84	0.78
4	AST2150402	168-8270●	1.57	1.47	1.24	1.12	1.05
Horizontal Wire Entry							
2	AST2250202	168-8271●	0.78	0.74	0.62	0.56	0.52
3	AST2250302	168-8272●	1.18	1.10	0.93	0.84	0.78
4	AST2250402	168-8274●	1.57	1.47	1.24	1.12	1.05

Plug-In PCB Mounting Terminal Blocks - continued

ASP025 Spring Clamp Terminal Blocks & Type 017 Pin Strip
5mm Pitch



Terminal Block



Pin Strip



Spring Clamp Terminal Block:-

- Pluggable
- Wire entry is perpendicular to plug direction

Pin Strip:-

- Vertical mounting
- Through hole
- Round contact pins - 1.3mm

Terminal Block Specifications:-

Current Rating	10A	Voltage Rating	250V
Insulating Material Class	CTI 400	Protection Category	IP20
Min. Insulation Strip Length	4mm		

Pin Strip Specifications:-

Current Rating	4A	Voltage Rating	130V
Insulating Material Class	CTI 400	Protection Category	IP00
Solder Pin Dimension	1mm	PCB Hole \varnothing	1.3mm
Solder Pin Length	3.4mm		

528851

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
Terminal Blocks							
2	ASP0250204	168-8255●	0.95	0.89	0.75	0.68	0.63
3	ASP0250304	168-8256●	1.42	1.33	1.12	1.01	0.95
4	ASP0250404	168-8257●	1.89	1.77	1.49	1.35	1.26
Pin Strip							
24	31017124	168-8258●	0.99	0.93	0.78	0.71	0.66

ASP046 Spring Clamp Terminal Blocks
5.08mm Pitch



- Pluggable terminal block
- 5.08mm Pitch
- Wire entry parallel to plug direction
- Mates with RIA's 178 & 179 series Headers



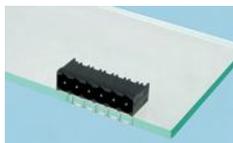
Specifications:-

Current Rating	8A	Voltage Rating	300V
Insulating Material Class	CTI 400	Protection Category	IP20
Min. Insulation Strip Length	4mm		

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No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
2	ASP0460202	168-8175●	0.88	0.83	0.70	0.63	0.59
3	ASP0460302	168-8176●	1.32	1.24	1.04	0.95	0.88
4	ASP0460402	168-8177●	1.76	1.65	1.39	1.26	1.18
5	ASP0460502	168-8178●	2.21	2.07	1.74	1.58	1.47
6	ASP0460602	168-8179●	2.65	2.48	2.09	1.89	1.76
8	ASP0460802	168-8180●	3.53	3.31	2.79	2.52	2.35
10	ASP0461002	168-8181●	4.41	4.13	3.48	3.15	2.94
12	ASP0461202	168-8183●	5.29	4.96	4.18	3.78	3.53

Type 178 / 179 Side & Top Entry Headers
5.08mm Pitch



Side Entry



Top Entry



- Designed for through hole
- 1mm square contact pins
- Closed ends
- Codable
- Side entry (178 series) / Top entry (179 series)
- Mates with RIA's ASP046 Terminal Blocks

Specifications:-

Current Rating	10A	Voltage Rating	250V
Insulating Material Class	CTI 600	Protection Category	IP00
Solder Pin Dimension	1.0 x 1.0mm	PCB Hole \varnothing	1.5mm
Solder Pin Length	3.45mm (1.78) / 3.25mm (1.79)		

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No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
Side Entry							
2	31178102	168-8184●	0.43	0.40	0.34	0.30	0.28
3	31178103	168-8185●	0.64	0.60	0.50	0.46	0.43
4	31178104	168-8186●	0.85	0.80	0.67	0.61	0.57
5	31178105	168-8187●	1.07	1.00	0.84	0.76	0.71
6	31178106	168-8188●	1.28	1.20	1.01	0.91	0.85

No. of Ways	Mftrs. List No.	Order Code	1+	25+	100+	250+	500+
Side Entry							
8	31178108	168-8189●	1.70	1.60	1.35	1.22	1.14
10	31178110	168-8190●	2.13	2.00	1.68	1.52	1.42
12	31178112	168-8191●	2.56	2.40	2.02	1.83	1.70
Top Entry							
2	31179102	168-8192●	0.40	0.38	0.32	0.29	0.27
3	31179103	168-8193●	0.60	0.56	0.47	0.43	0.40
4	31179104	168-8195●	0.80	0.75	0.63	0.57	0.53
5	31179105	168-8196●	1.00	0.94	0.79	0.72	0.67
6	31179106	168-8197●	1.20	1.13	0.95	0.86	0.80
8	31179108	168-8198●	1.60	1.50	1.27	1.14	1.07
10	31179110	168-8199●	2.00	1.88	1.58	1.43	1.34
12	31179112	168-8201●	2.40	2.25	1.90	1.72	1.60

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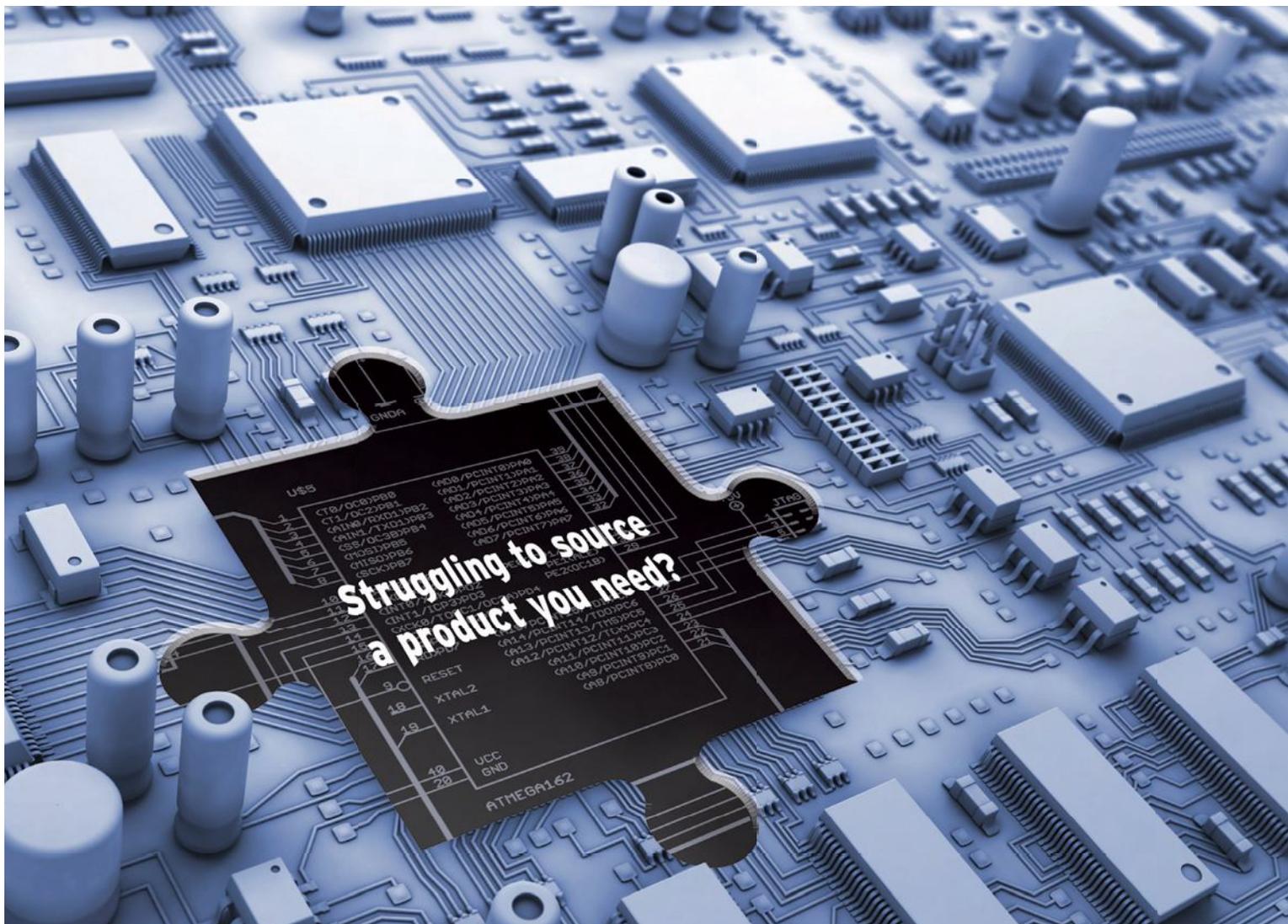
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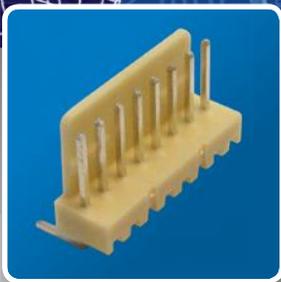
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