

MetPak™ 2 HM Sockets and Headers



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

Two piece 2 mm x 2 mm pin and receptacle connector system. Meets IEC61076-4-101 Level 11 requirements and IEC97, UL and CSA approvals pending. Materials: Insulator: 20% GF plastic, color gray. Contacts: Copper alloy. Plating: 50 µm nickel underplate; 90 µm gold minimum in the mating area; 100 µm minimum lead on the terminal area. Current Rating: 1 A @ 70°C.

Female Socket, Right Angle, PCB Press Fit Terminals, Shielded Ground

Stock No.	Mfr.'s Type	Fig.	Positions/Row	EACH	
				1-24	25-49
906-2100	CP2-SA110-G1-T630	1	110 (5 x 22)	7.87	6.54
906-2111	CP2-SB110-G1-T630	2	110 (5 x 22)	7.87	6.54
906-2225	CP2-SB125-G1-T630	2	125 (5 x 25)	11.40	9.25
906-2227	CP2-SCL055-G1-T630	—	55 (5 x 11)	4.61	4.11

Male Headers, Straight, Press Fit, Ground Shield

Stock No.	Mfr.'s Type	Fig.	Signal Contacts	Ground Contacts	EACH	
					1-24	25-49
916-2228	CP2-HA110-GE1-T630	3	110	44	7.89	7.01
916-2229	CP2-HB110-GE-T630	4	110	44	7.89	7.01
916-2230	CP2-HB125-GE-T630	4	125	50	8.96	7.97
916-2232	CP2-HCL055-GE1-T630	—	55	20	4.01	3.56

8 Row Hard Metric Connector

Stock No.	Mfr.'s Type	Fig.	Description	EACH	
				1-24	25-49
618-0151	HM-H176CPWR1-8CP1-TR408	5	Hard Metric Header, Type D, with guide pin*	35.97	29.43
618-0151	HM-S176CPWR1-8AP1-TR408	5	Hard Metric Socket, Type D*	49.75	40.71

*176 signals with 4 x 0.25 amp power contacts.

Coding Keys

Stock No.	Mfr.'s Type	Fig.	Color	RAL No.	EACH	
					1-24	25-49
916-3630	CP2-K127MCF-F	—	Cadmium Yellow	1021	.69	.56
916-3635	CP2-K3456CF-M	6	Cadmium Yellow	1021	.69	.56

DIN Sockets and Headers

DIN 41612 compatible plug designed for daughter board mounting. Features 3 row, 0.100" (2.54) grid that permits high density packaging. Gray, thermoplastic glass-filled body. Copper alloy contacts. Termination Style/Tail Length: Solder, right angle/0.114" (2.90 mm). Plating: On contact area — 10 µm min. RoBeck™; On terminal area — 700 µm min. Nickel underplate — 50 µm. Current Rating: 1 A @ 100°C. PC Board Hole: 0.039±0.002". UL Recognized, rated UL 94V-0.



Standard Mounting C-Form Sockets—Straight (Vertical)

Stock No.	Mfr.'s Type	No. of Contacts/Pin Arrangements	Tail Length (mm)	Termination Style	EACH	
					1-49	50-99
916-2186	DIN-96C5C-S1L-TR	96/Rows A, B, C	3.99	Solder	3.14	2.78
916-2189	DIN-96C5C-PSL-TR	96/Rows A, B, C	4.80	Press Fit	3.12	2.77
916-2184	DIN-64C5B-S1L-TR	64/Rows A, C	3.99	Solder	2.40	2.14

Standard C-Form Header — Right Angle

916-2176	DIN-64C6B-SR1-TR	64/Rows A, C	2.90	Solder	2.97	2.64
916-2178	DIN-96C6C-SR1-TR	96/Rows A, B, C	2.90	Solder	3.03	2.69

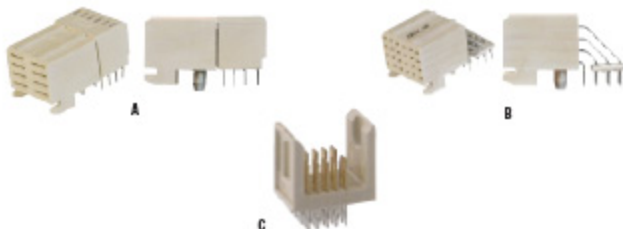
Reverse Mounted R-Form Socket — Straight (Vertical)

916-2233	DIN-96R5C-SR1-TR	96/Rows A, B, C	3.18	Solder	4.42	5.71
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Reverse Mounted R-Form Header — Right Angle

916-2234	DIN-96RPC-S1-TR	96/Rows A, B, C	3.99	Solder	3.22	2.84
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MetPak™ 2 Future Bus Sockets and Header



Materials: Housing: High temperature, 30% glass filled, liquid crystal polymer, UL94V-0. Contacts: Standard header — phosphor bronze; Socket — beryllium copper. Plating: 30 µm RoBeck™ (27 µm minimum palladium nickel with 3 µm minimum gold flash on contact area). Terminal Area: 100 µm minimum (in lead). Underplate: 50 µm minimum nickel. Current Rating: Signal — 1.0 A - All contacts simultaneously; 3.0 A - Single contact; Power — 6.5 A per power socket/header. Contact Temperature: 70°C.

Female Power Socket, Right Angle Molded, 4 or 5 Row, Solder Termination

Stock No.	Mfr.'s Type	Fig.	Position/Row	Tail Length (mm)	PCB Thickness (mm)	EACH	
						1-49	51-99
916-2500	MP2-SP04-41M1-TR90	A	4 (4 x 2)	2.72	1.6	3.25	2.79
916-2505	MP2-SP10-51M1-TR90	A	10 (5 x 2)	2.72	1.6	3.14	2.42

Female Signal Socket, Right-Angle Molded, 4 or 5 Row, Press-In, Hold Down, Solder Termination

618-0222	MP2-SC04-41M1-C-TR90	B	24 (4 x 6)	2.72	1.6	3.01	2.79
618-0212	MP2-SC09-51M1-C-TR90	B	30 (5 x 6)	2.72	1.6	2.04	1.85

Male Power Header, Straight PCB Solder Tail, 4 or 5 Row, Solder Termination

916-2220	MP2-HP04-41P1-TR90	C	24 (4 x 6)	4.60	1.6	2.47	2.19
916-2221	MP2-HP10-51P1-TR90	C	30 (5 x 6)	4.60	1.6	2.99	2.46
916-2550	MP2-HP04-41S1-TR90	C	4 (4 x 2)	4.60	—	3.04	2.54
916-2555	MP2-HP10-51S1-TR90	C	10 (5 x 2)	4.60	—	3.56	2.17

Male Signal Header, Straight, PCB Solder Tail, 4 or 5 Row, Solder Termination

618-0223	MP2-HC04-41S1-S-TR90	C	24 (4 x 6)	4.60	—	2.11	1.97
618-0224	MP2-HC09-51S1-S-TR90	C	30 (5 x 6)	4.60	—	2.51	2.35
906-2218	MP2-HC04-41P1-S-TR90	C	24 (4 x 6)	4.60	1.6	1.24	1.12
906-2219	MP2-HC09-51P1-S-TR90	C	30 (5 x 6)	4.60	1.6	1.51	1.41

Inverse/Stacking Future Bus

Stock No.	Mfr.'s Type	Description	EACH	
			1-49	50-99
611-0022	MP2-S090-51M1-TR90	Socket, 5 Row, Rt. Angle, Extender Type, Solder Tail, 90 pos.	13.00	11.95
611-0045	MP2-S1306-51M1-TR90	Socket, 5 Row, Rt. Angle, Extender Type, Solder Tail, 120 pos.	13.24	12.16
611-0044	MP2-S1506-51M1-TR90	Socket, 5 Row, Rt. Angle, Extender Type, Solder Tail, 150 pos.	14.21	11.78
611-0045	MP2-P120E-51M1-TR90	Inverse Header, 5 Row, Rt. Angle, Beveled, Solder Tail, 90 pos.	16.09	13.11
611-0046	MP2-P0300-51S1-TR90	Stacking Header, 5 Row, Vertical, Solder Tail, 30 pos.	3.51	2.87
611-0047	MP2-P0300-51M1-TR90	Inverse Header, 5 Row, Rt. Angle, Solder Tail, 30 pos.	3.51	3.22
611-0049	MP2-R0300-51P1-TR90	Inverse Socket, 5 Row, Vertical, Press Fit, 30 pos.	4.89	4.43

CF Card Headers, CompactFlash™ Type II, Long Guides, Surface Mount

- ▶ Headers Made with Both CompactFlash™ Type I and Type II Cards
- ▶ Polarization Options for Top or Bottom Boardmount
- ▶ Extended Guide Rails Enable Accurate and Easy Card Insertion
- ▶ Metal Grace Provides Stability for Ejector Attachment Options
- ▶ Guide Rail ESD Clip Contacts Board Ground Pads
- ▶ Single Row Surface Mount Solder Tails Facilitate Auto Placement and IR Soldering
- ▶ Optional 2 mm Board Standoff Enables Board Population
- ▶ Meets CFA Standards for Known Compatibility and Reliability



Normal Version

Stock No.	Mfr.'s Type	Description	EACH		
			1-49	50-99	100-249
618-0290	N7E50-M516TC-50-WF	Compact Flash II SMT Header with 2.0 mm Board Standoff	3.98	3.62	3.21
618-0291	N7E50-M516TC-40-WF	Compact Flash II SMT Header without a Board Standoff	3.98	3.62	3.21

Inverse Version

618-0292	N7E50-M516TC-50-WF	Inverse Compact Flash Header with 2.0 mm Board Standoff	3.98	3.62	3.21
618-0293	N7E50-M516TC-40-WF	Inverse Compact Flash Header without a Board Standoff	3.98	3.62	3.21

Right Button Snap on Ejector

618-0294	7E50-B21-B-C-04	Normal Right Button/Inverse Left Button	.61	.56	.51
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