

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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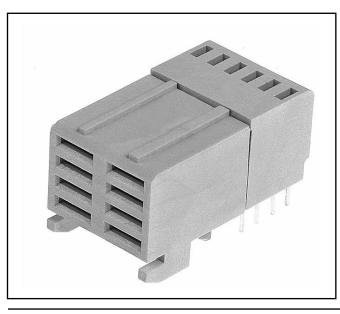




3M[™] MetPak[™] 2-FB Power Socket

2 mm 4/5-Row, Right Angle, Solder or Press-Fit Tail

MP2 Series



- 6.50 Amps per contact
- End-to-end stackable
- Press or heat stake peg (solder tail)
- Futurebus+® compatible
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnectors.com for compliance information (RIA E1 & C1 apply)

Date Modified: September 17, 2013

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Physical

Insulation:

Material: High Temperature LCP

Flammability: UL 94V-0

Color: Beige

Contact:

Material: Copper Alloy

Plating:

Underplating: 50 μ" [1.27 μm] Nickel Wiping Area: See Ordering Information Tails: See Ordering Information

Electrical

Current Rating: Power: 6.50 A per power socket contact at 70°C

Insulation Resistance: $10^3 M\Omega$

Withstanding Voltage: 1,500 V_{AC} for 60 seconds

Environmental

UL File No.: E68080

Temperature Rating: -55° C to 125° C

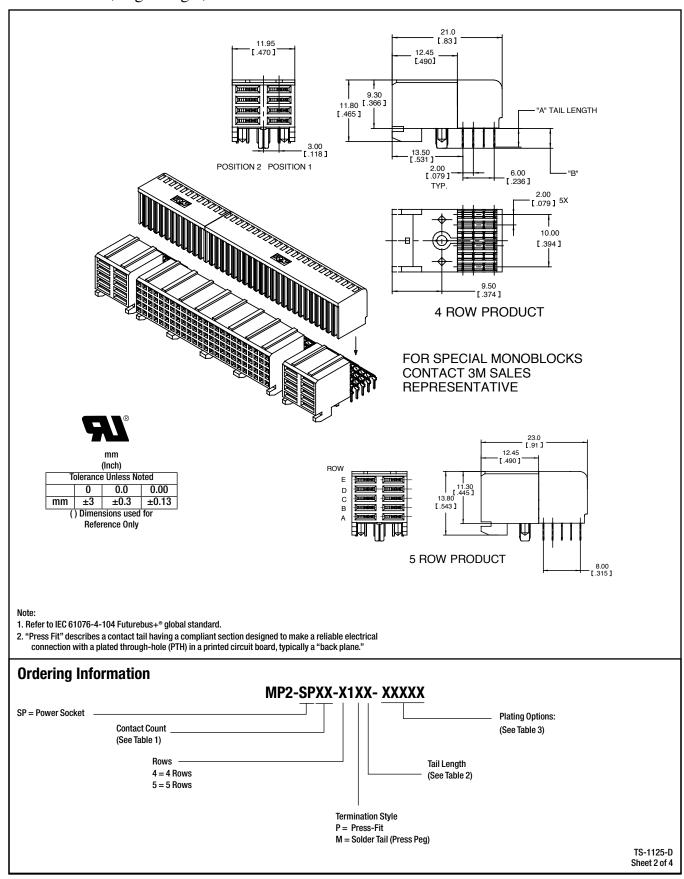
Process Temperature Rating: 260°C (Profile per J-STD-020C)

Moisture Sensitivity Level: 1 (per J-STD-020C)

MetPak is a trademark of 3M Company.

Futurebus+ is a registered trademark of the Institute of Electrical and Electronic Engineers, Inc. (IEEE)

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Table 1				
Pin Count	No of Rows			
08	4			
10	5			

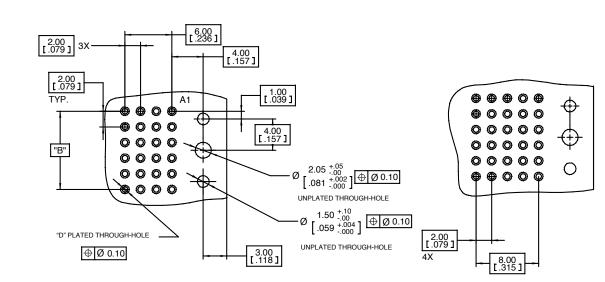
Table 2 - Tail & Post Lengths					
Contact-to-PC Board Tail Termination Option No.		Dim. "A"	Dim. "B"		
Solder	Press-Fit*				
S1		2.72 [0.107]	5.20 [0.205]		
S2		3.53 [0.139]	6.00 [0.256]		
M1		2.72 [0.107]	3.57 [0.141]		
M2	P1	3.53 [0.139]	3.57 [0.141]		

^{*}Compliant-Pin Tail

	Table 3 - Plating						
Plating Suffix	Press-Fit Tails*	Solder Tails	Plating Composition				
KR	RIA E1 & C1 apply	RIA E1 & C1 apply	0.76 μm [30 μ"] Min. Au Contact Area 2.54 μm [100 μ"] Min. Matt Whisker Mitigating Sn Tail Area 1.27 μm [50 μ"] Min. Ni all over				
LR	RIA E1 & C1 apply	RIA E1 & C1 apply	0.08 μm [3 μ"] Min. Au Contact Area 0.67 μm [27 μ"] Min. PdNi Contact Area 2.54 μm [100 μ"] Min. Matt Whisker Mitigating Sn Tail Area 1.27 μm [50 μ"] Min. Ni all over				

^{*}Compliant-Pin Tail

TS-1125-D Sheet 3 of 4 2 mm 4/5-Row, Right Angle, Solder or Press-Fit Tail



Recommended 4 Row PCB Hole Mounting Pattern

Recommended 5 Row PCB Hole Mounting Pattern

Table 4 - HOLE PLATING FINISHES						
HOLE	Finished Dia. mm [in]	Cu Thickness mm [in]	Immersion Matte Sn Thickness microns [µ"]	Electrolitic Au Thickness microns [µ"]	OSP ENTEK Thickness microns [µ"]	Drilled Hole Dia. mm [in]
"D"	0.700-0.800 [.02760315]	0.025-0.045 [0.001-0.002]	0.5 - 2.5 [20 - 100]	0.1 - 0.5 [4 - 20]	0.2 - 0.5 [8 - 20]	0.830-0.860 [.03300340] or 0.85mm [#66] TWIST DRILL

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the legal theory asserted.

unless expressly agreed upon, in writing, by an authorized officer of 3M.

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