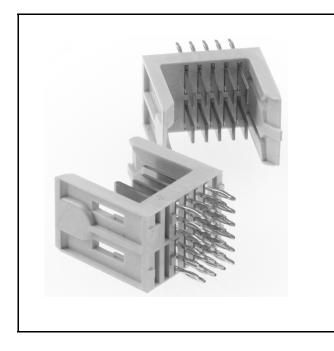
2 mm 4/5-Row, Vertical, Press-Fit Tail

MP2 Series



- 6.50 Amps per contact
- Early mate late break (EMLB) for hot swap or selective loading options
- End-to-end stackable
- Optional feed-through tail (Press-Fit)
- Futurebus+® compatible
- See Regulatory Information (RIA) for chemical compliance information

Date Modified: April 11, 2007

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Physical

Insulation	
Material:	High Temp 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°CInsulation Resistance: $10^3 M\Omega$ Withstanding Voltage:1000 V_{AC}

Environmental

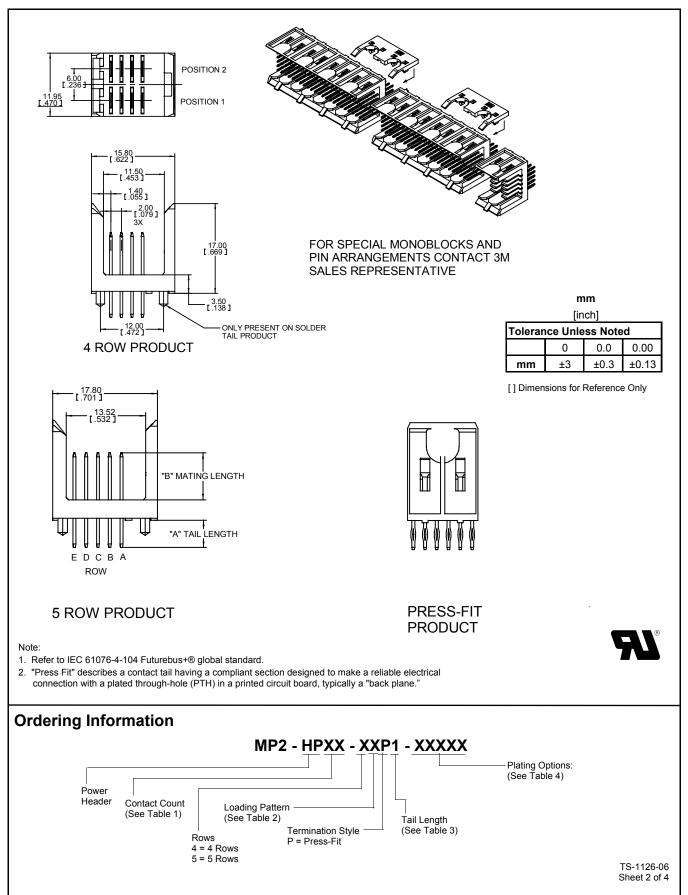
Temperature Rating: -55°C to +125°C

UL File No: E68080

MetPak is a trademark of 3M Company. Futurebus+ is a registered trademark of the Institute of Electrical and Electronic Engineers, Inc. (IEEE)

2 mm 4/5-Row, Vertical, Press-Fit Tail

MP2 Series



3M Interconnect Solutions http://www.3M.com/interconnects/

2 mm 4/5-Row, Vertical, Press-Fit Tail

TABLE 1					
CONTACT COUNT	No OF ROWS				
08	4				
10	5				

Table 2- Mate Length											
Loading Pattern Code	Description		length w A	Mate length Mate length Row B Row C		Mate length Row D		Mate length Row E (5-Row Prod. Only)			
1	All Positions Filled	6.50	[0.256]	6.50	[0.256]	6.50	[0.256]	6.50	[0.256]	6.50	[0.256]
2	All Positions Filled	8.00	[0.315]	8.00	[0.315]	7.25	[0.285]	6.50	[0.256]	6.50	[0.256]
3	All Positions Filled	6.50	[0.256]	8.00	[0.315]	6.50	[0.256]	6.50	[0.256]	6.50	[0.256]
4	All Positions Filled	6.50	[0.256]	7.25	[0.285]	7.25	[0.285]	8.00	[0.315]	8.00	[0.315]
5	All Positions Filled	7.25	[0.285]	8.00	[0.315]	7.25	[0.285]	6.50	[0.256]	6.50	[0.256]
6	All Positions Filled	8.00	[0.315]	8.00	[0.315]	8.00	[0.315]	8.00	[0.315]	8.00	[0.315]
7	All Positions Filled	7.25	[0.285]	7.25	[0.285]	7.25	[0.285]	7.25	[0.285]	7.25	[0.285]
8	All Positions Filled	8.00	[0.315]	6.50	[0.256]	8.00	[0.315]	7.25	[0.285]	7.25	[0.285]
9	All Positions Filled	8.00	[0.315]	7.25	[0.285]	6.50	[0.256]	6.50	[0.256]	6.50	[0.256]
А	All Positions Filled	8.00	[0.315]	8.00	[0.315]	7.25	[0.285]	7.25	[0.285]	7.25	[0.285]
С	All Positions Filled	8.00	[0.315]	8.00	[0.315]	8.00	[0.315]	6.50	[0.256]	6.50	[0.256]
D	All Positions Filled	8.00	[0.315]	6.50	[0.256]	6.50	[0.256]	6.50	[0.256]	6.50	[0.256]
G	All Positions Filled	8.00	[0.315]	8.00	[0.315]	8.00	[0.315]	8.00	[0.315]	5.75	[0.226]
Н	All Positions Filled	8.00	[0.315]	8.00	[0.315]	7.25	[0.285]	8.00	[0.315]	8.00	[0.315]

Table 3- Tail Length						
Press-Fit Tail Termination Option No.	Dim. "A"					
1	4.60	[0.181]				

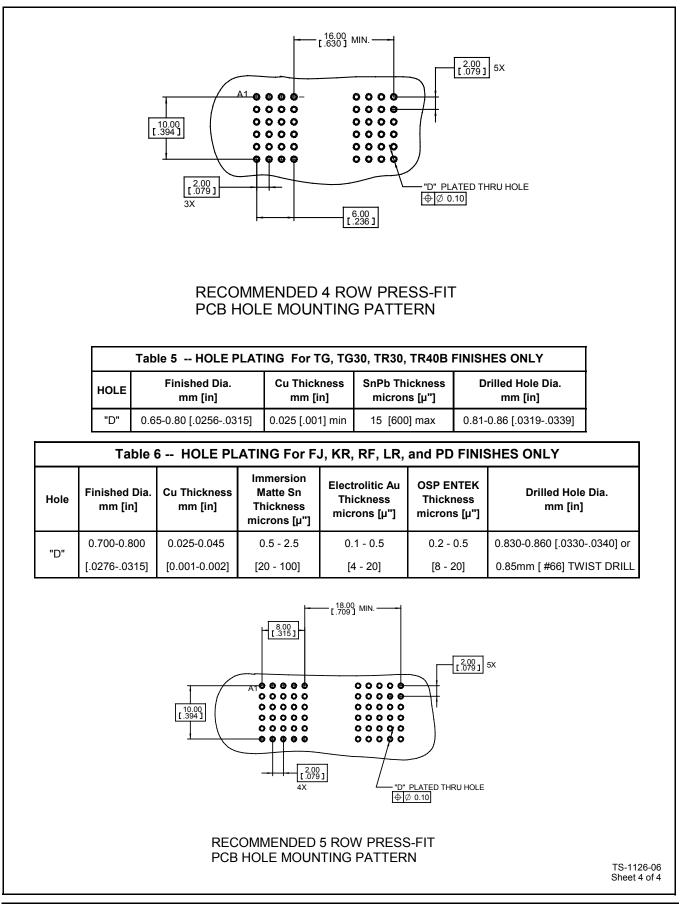
*Compliant-Pin Tail

Table 4 - Plating							
Plating Suffix	Plating Composition	Plating Suffix	Plating Composition				
TG (RIA E2 & C2 apply)	0.25 µm [10 µ"] Min. Au Contact Area 2.54 µm [100 µ"] Min. SnPb Tail Area 1.27 µm [50 µ"] Min. Ni all over	FJ (RIA E1 & C1 apply)	0.25 μm [10 μ"] Min. Au Contact Area 5.08 μm [200 μ"] Min. Matt Whisker Mitigating Sn Tail Area 1.27 μm [50 μ"] Min. Ni all over				
TG30 (RIA E2 & C2 apply)	0.76 μm [30 μ"] Min. Au Contact Area 2.54 μm [100 μ"] Min. SnPb Tail Area 1.27 μm [50 μ"] Min. Ni all over	KR (RIA E1 & C1 apply)	0.76 μm [30 μ"] Min. Au Contact Area 5.08 μm [200 μ"] Min. Matt Whisker Mitigating Sn Tail Area 1.27 μm [50 μ"] Min. Ni all over				
TR30 (RIA E2 & C2 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. SnPb Tail Area	RF (RIA E1 & C1 apply)	1.27 μm [50 μ"] Min. Au Contact Area, Lubricated 5.08 μm [200 μ"] Min. Matt Whisker Mitigating Sn Tail Area 1.27 μm [50 μ"] Min. Ni all over				
TR40B (RIA E2 & C2 apply)	1.27 μm [50 μ"] Min. Ni all over 0.13 μm [5 μ"] Min. Hard Au Contact Area, Lubricated 1.02 μm [40 μ"] Min. PdNi Contact Area 0.10 μm [4 μ"] Min. Pd Contact Area	LR (RIA E1 & C1 apply)	0.08 μm [3 μ"] Min. Au Contact Area 0.67 μm [27 μ"] Min. PdNi Contact Area 5.08 μm [200 μ"] Min. Matt Whisker Mitigating Sn Tail Area 1.27 μm [50 μ"] Min. Ni all over				
	2.54 μm [100 μ"] Min. SnPb Tail Area 1.27 μm [50 μ"] Min. Ni all over	PD (RIA E1 & C1 apply)	0.13 μm [5 μ"] Min. Hard Au Contact Area, Lubricated 1.02 μm [40 μ"] Min. PdNi Contact Area 0.10 μm [4 μ"] Min. Pd Contact Area 5.08 μm [200 μ"] Min. Matt Whisker Mitigating Sn Tail Area 1.27 μm [50 μ"] Min. Ni all over				

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2 mm 4/5-Row, Vertical, Press-Fit Tail

MP2 Series



EUROPE

Appendix E1: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product is RoHS Compliant 2005/95/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/ EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E2: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains lead in the compliant pin area in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/747/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/ EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E3: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment as amended by Commission Decision 2005/618/EC.

This product contains lead in the solder tail area in excess of the maximum concentration value allowed.

Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

Appendix E4: European Union RoHS

Directive 2002/95/EC, Restriction of the Use of Certain Hazardous Substances in Electrical & Electronic Equipment, as amended by EU Commission Decision 2005/618/EC.

This product contains decaBDE in the insulating material in excess of the maximum concentration value allowed but is compliant by exemption under EU Commission Decision 2005/17/EC.

"RoHS Compliant 2005/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.



Appendix C1: China RoHS

Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does not** contain any of the following substances in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.



Appendix C2: China RoHS

Electronic Industry Standard of the People's Republic of China, SJ/T11363-2006, Requirements for Concentration Limits for Certain Hazardous Substances in Electronic Information Products.

This symbol, per Marking for the Control of Pollution Caused by Electronic Information Products, SJ/T11364-2006, means that the product or part **does** contain a substance, as detailed in the chart below, in excess of the following maximum concentration values in any homogeneous material: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's best knowledge and belief based upon information provided by third party suppliers to 3M.

The numerical reference in the symbol above should not be construed as a representation regarding the product's life or an extension of a product warranty. The product warranty is stated below. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the product Warranty stated below.

部件名称	有毒有害物质或元素(Hazardous Substances or Elements)							
(Part or Component Name)	铅(Pb)	汞 (Hg)	镉 (Cd)	六价铬(Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)		
端子镀层(contact plating) × O O O O O								
O: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006 标准规定的限量要求以下。(Indicates that this hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363-2006.) ×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006 标准规定的限量要求。(Indicates that this hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SI/T11363-2006.)								

产品中有毒有害物质或元素的名称及含量 Name and Content of Hazardous Substances or Elements

Important Notice

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Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of ninety (90) days from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



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