

# 3M™ MetPak™ 2-FB Shroud

2 mm Backplane, Rear Plug

MP2 Series



- Ideal for backplane plug-up/feed-through applications
- Available in three stand-off heights

Date Modified: May 30, 2003

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## Physical

**Insulation**  
Material: High Temp LCP  
Flammability: UL 94V-0  
Color: Beige

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## Electrical

N/A

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## Environmental

**Temperature Ratings:** -55°C to +125°C

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

**UL File No: E68080**

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# 3M™ MetPak™ 2-FB Shroud

## 2 mm Backplane, Rear Plug

MP2 Series

4-Row



BOTTOM VIEW



STAND-OFF HEIGHT  
SEE CHART



mm	
[in.]	
Tolerance Unless Noted	
0.0	0.00
mm ±.1	±.10

[ ] Dimensions for Reference Only

REAR PLUG UP MATE LENGTHS								
METPAK 2-FB SHROUD	METPAK 2-FB HEADER	PRINTED CIRCUIT BOARD THICKNESS						
		1.60mm (.062in.)	2.40mm (.093in.)	3.20mm (.125in.)	4.00mm (.156in.)	4.80mm (.187in.)	5.60mm (.218in.)	6.40mm (.250in.)
MP2-HSXXX-41	MP2-HXXX-4XP5-XXXX	-----	7.70mm	6.90mm	6.10mm	5.30mm	-----	-----
	MP2-HXXX-4XP7-XXXX	-----	-----	-----	-----	-----	7.90mm	7.10mm
MP2-HSXXX-42	MP2-HXXX-4XP5-XXXX	7.60mm	6.80mm	6.00mm	5.20mm	4.40mm	-----	-----
	MP2-HXXX-4XP7-XXXX	-----	-----	-----	-----	-----	7.00mm	6.20mm
MP2-HSXXX-43	MP2-HXXX-4XP5-XXXX	5.10mm	-----	-----	-----	-----	-----	-----
	MP2-HXXX-4XP7-XXXX	-----	7.70mm	6.90mm	6.10mm	5.30mm	4.50mm	-----

DESCRIPTION	CONTACT QUANTITY	A	STAND-OFF HEIGHT		
			MP2-HSXXX-41	MP2-HSXXX-42	MP2-HSXXX-43
MP2-HS024-4X	24	11.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS048-4X	48	23.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS072-4X	72	35.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS096-4X	96	47.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS120-4X	120	59.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS144-4X	144	71.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS168-4X	168	83.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS192-4X	192	95.95 mm	3.50 mm	4.40 mm	6.90 mm

### Ordering Information

**MP2 - HS XXX - X X**

Number of Positions  
See Table

Rows  
4 = 4 Rows  
5 = 5 Rows

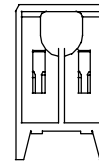
Stand-off Height  
1 = 3.50 mm [ 0.138"  
2 = 4.40 mm [ 0.173"  
3 = 6.90 mm [ 0.271"

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# 3M™ MetPak™ 2-FB Shroud 2mm Backplane, Rear Plug

MP2 Series

5-Row



mm  
[in.]

Tolerance Unless Noted		
	0.0	0.00
mm	±.1	±.10

[ ] Dimensions for Reference Only

REAR PLUG UP MATE LENGTHS								
METPAK 2 SHROUD	METPAK 2-FB HEADER	PRINTED CIRCUIT BOARD THICKNESS						
		1.60mm (.062in.)	2.40mm (.093in.)	3.20mm (.125in.)	4.00mm (.156in.)	4.80mm (.187in.)	5.60mm (.218in.)	6.40mm (.250in.)
MP2-HSXXX-51	MP2-HXXX-5XP5-XXXX	-----	7.70mm	6.90mm	6.10mm	5.30mm	-----	-----
	MP2-HXXX-5XP7-XXXX	-----	-----	-----	-----	-----	7.90mm	7.10mm
MP2-HSXXX-52	MP2-HXXX-5XP5-XXXX	7.60mm	6.80mm	6.00mm	5.20mm	4.40mm	-----	-----
	MP2-HXXX-5XP7-XXXX	-----	-----	-----	-----	-----	7.00mm	6.20mm
MP2-HSXXX-53	MP2-HXXX-5XP5-XXXX	5.10mm	-----	-----	-----	-----	-----	-----
	MP2-HXXX-5XP7-XXXX	-----	7.70mm	6.90mm	6.10mm	5.30mm	4.50mm	-----

DESCRIPTION	CONTACT QUANTITY	A	STAND-OFF HEIGHT		
			MP2-HSXXX-51	MP2-HSXXX-52	MP2-HSXXX-53
MP2-HS030-5X	30	11.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS060-5X	60	23.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS090-5X	90	35.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS120-5X	120	47.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS150-5X	150	59.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS180-5X	180	71.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS210-5X	210	83.95 mm	3.50 mm	4.40 mm	6.90 mm
MP2-HS240-5X	240	95.95 mm	3.50 mm	4.40 mm	6.90 mm

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### **Electronic and Interconnect Solutions Division**

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