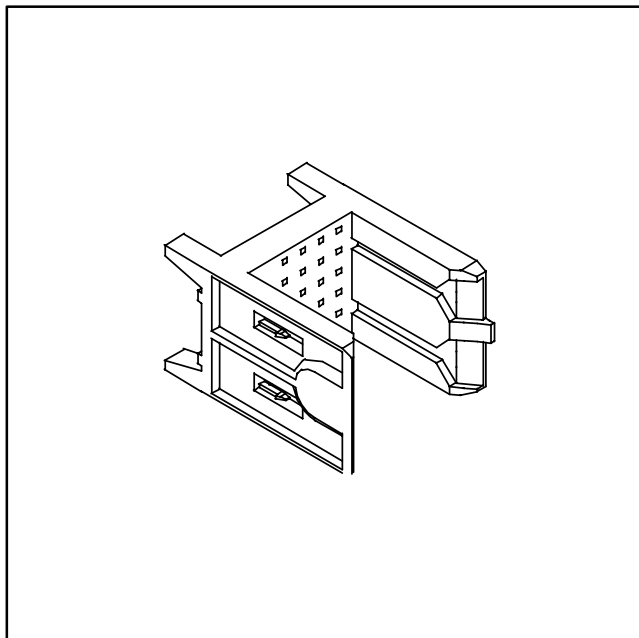


# 3M™ MetPak™ 2-FB Shroud

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

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

UL File No: E68080

**3M**  
**Interconnect Solutions**  
<http://www.3M.com/interconnects/>

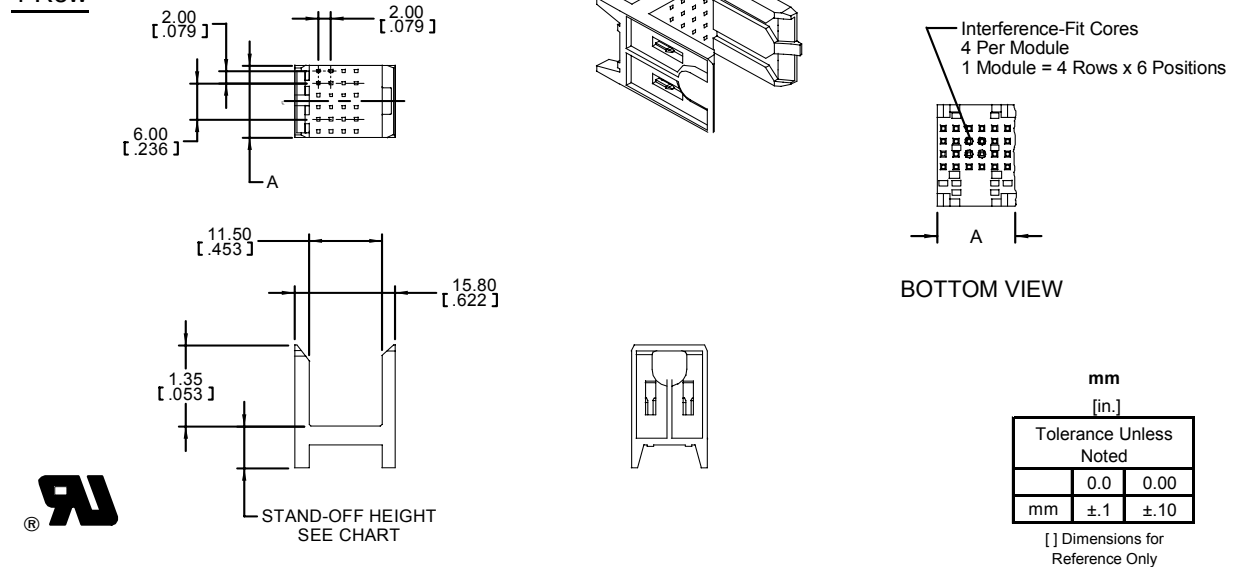
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For technical, sales or ordering information call  
**800-225-5373**

# 3M™ MetPak™ 2-FB Shroud

## 2 mm Backplane, Rear Plug

MP2 Series

### 4-Row



| REAR PLUG UP MATE LENGTHS |                    |                                 |                     |                     |                     |                     |                     |                     |
|---------------------------|--------------------|---------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| METPAK 2-FB SHROUD        | METPAK 2-FB HEADER | PRINTED CIRCUIT BOARD THICKNESS |                     |                     |                     |                     |                     |                     |
|                           |                    | 1.60mm<br>(.062in.)             | 2.40mm<br>(.093in.) | 3.20mm<br>(.125in.) | 4.00mm<br>(.156in.) | 4.80mm<br>(.187in.) | 5.60mm<br>(.218in.) | 6.40mm<br>(.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"]

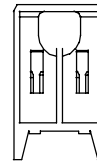
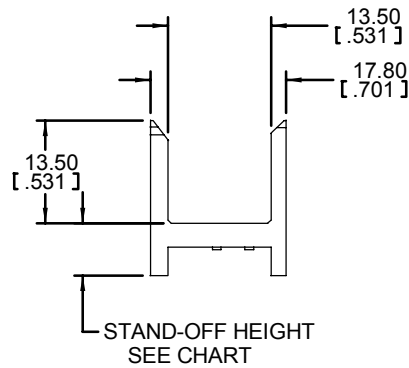
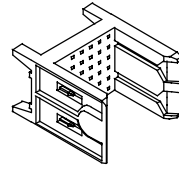
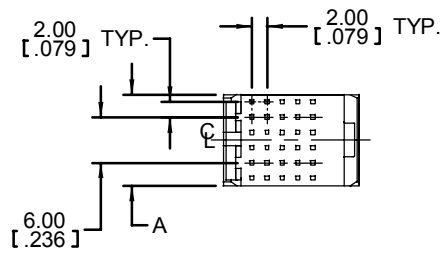
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# 3M™ MetPak™ 2-FB Shroud

## 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<br>(.062in.)             | 2.40mm<br>(.093in.) | 3.20mm<br>(.125in.) | 4.00mm<br>(.156in.) | 4.80mm<br>(.187in.) | 5.60mm<br>(.218in.) | 6.40mm<br>(.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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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
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- Изготовление тестовой платы монтаж и пусконаладочные работы.



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