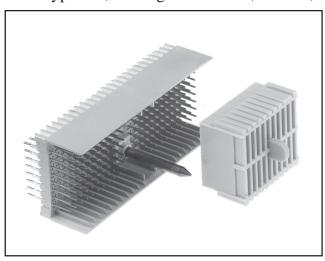
# 3M<sup>™</sup> MetPak<sup>™</sup> HM Header

2 mm Type DG, 176 Signal Contacts, 8 Rows, Straight

**HM Series** 



- Modular/scalable format IEC 61076-4-101
- Press-fit headers or solder tail version
- 101 mated lines per linear inch
- 101 mated mies per miear n
- Integrated guide pin
- Multi-purpose center (MPC) for keying
- Ships with protective cap, which also serves as an insertion tool
- End-to-end stackable with 8 row 3M<sup>™</sup> MetPak<sup>™</sup> HM and HSHM products
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3mconnector.com for compliance information

Date Modified: November 16, 2010

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## **Physical**

#### **Insulation:**

Material: High Temperature Thermoplastic (LCP)

Flammability: UL 94V-0

Color:

Material: Copper Alloy

Plating: See Ordering information

Marking: 3M Logo, Part Number, Revision, Date Code

### **Performance**

#### **Mechanical:**

Normal Force (Nominal): 0.57 N [58 g] Signal
Engagement Force (Nominal): 0.32 N [33 g] Signal
Separation Force (Nominal): 0.20 N [20 g] Signal
Wipe (Nominal, Shortest Contact): 2.67 mm [0.105 in] Signal

Mate/Unmate Cycles: 250

Application: This module is suitable for stand-alone use.

**Electrical:** 

Current Rating (Fully Loaded):  $1 \text{ A} @ 70^{\circ} \text{ C}$  Signal Insulation Resistance:  $1 \times 10^{4} \text{ M}\Omega @ 100 \text{ V}_{DC}$ 

Withstanding Voltage: 750 V<sub>rms</sub>

## **Environmental**

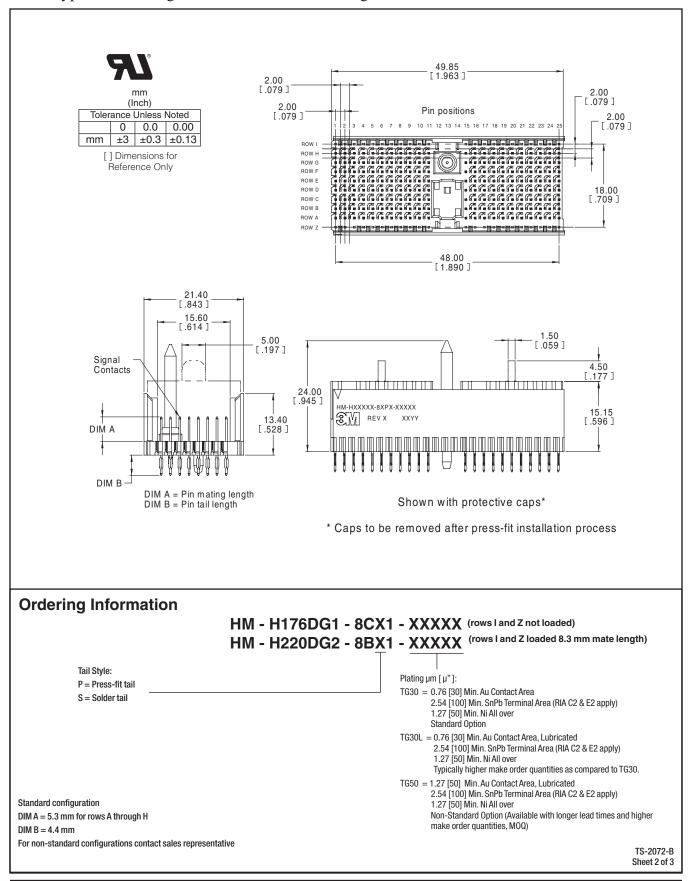
**Temperature Rating:** -55° C to 125° C

**Process Rating:** Maximum 260°C (per J-STD-020C)

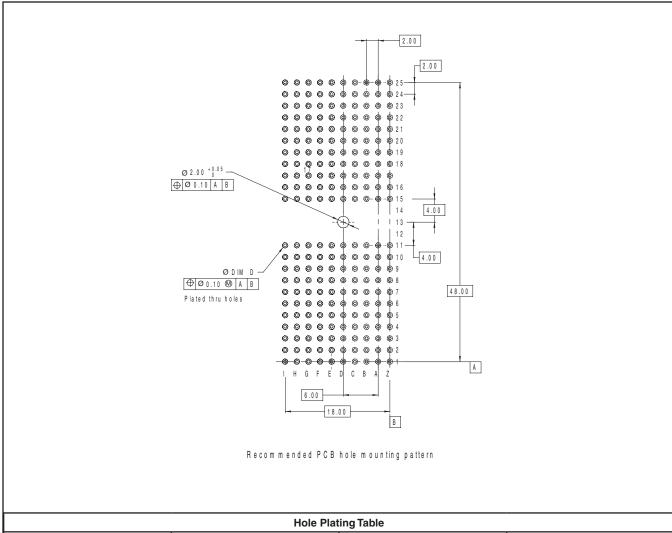
Withstanding Voltage: 1 (per J-STD-020C)

UL File No.: E68080 MetPak is a trademark of 3M Company.

2 mm Type DG, 176 Signal Contacts, 8 Rows, Straight



2 mm Type DG, 176 Signal Contacts, 8 Rows, Straight



Hole Plating Table			
Finished Hole Dia. "D"	Cu. Thickness	SnPb Thickness	Drilled Hole Dia.
0.550 - 0.650 [.02170256]	0.025 - 0.045 [.00100018]	0.008 - 0.018 [.00030007]	0.686 - 0.727 [.02700286]

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