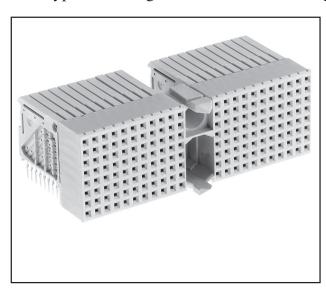
# 3M<sup>™</sup> MetPak<sup>™</sup> HSHM Press-Fit Socket

2 mm Type D, 176 Signal Contacts, 8 Rows, Right Angle

**HM Series** 



- Modular/scalable format IEC 61076-4-101
- 101 mated lines per linear inch
- Dual beam contact construction for high reliability
- Multi-purpose center (MPC) for keying and guidance
- End-to-end stackable with 8 row 3M<sup>™</sup> MetPak<sup>™</sup> HM and HSHM products
- Mates with 3M<sup>™</sup> MetPak<sup>™</sup> HSHM headers
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3mconnector.com for compliance information

Date Modified: October 11, 2010

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# **Physical**

**Insulation:** 

Material: High Temperature Thermoplastic (LCP)

Flammability: UL 94V-0

**Contact:** 

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 not 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>

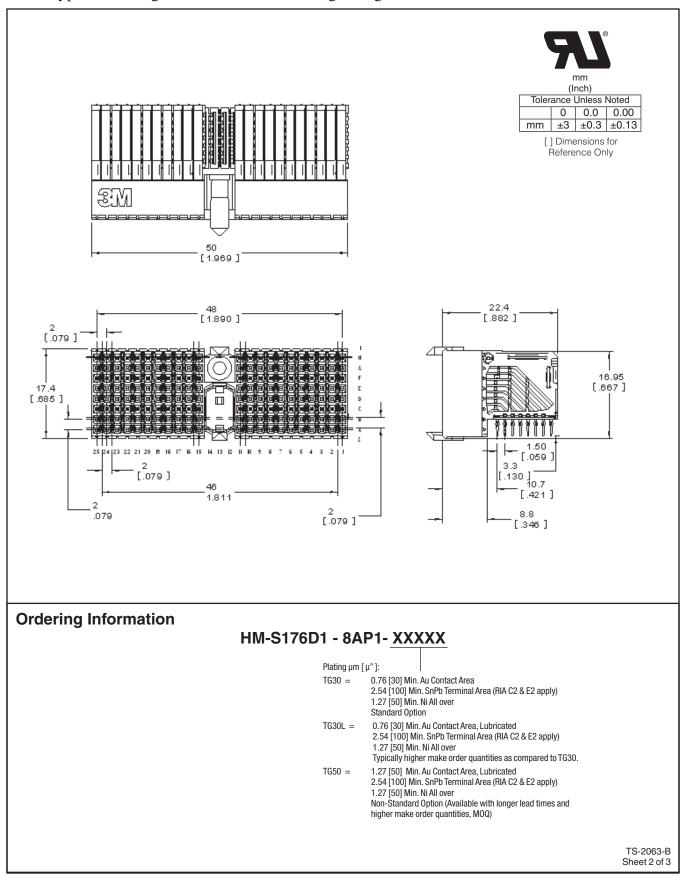
# **Environmental**

**Temperature Rating:**  $-55^{\circ}$  C to  $125^{\circ}$  C

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

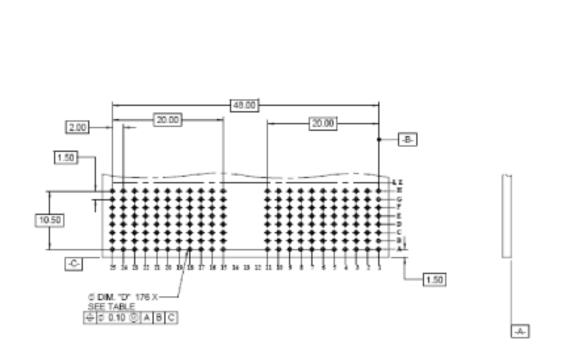
2 mm Type D, 176 Signal Contacts, 8 Rows, Right Angle

**HM Series** 



2 mm Type D, 176 Signal Contacts, 8 Rows, Right Angle

**HM Series** 



# **Recommended PCB Hole Mounting Pattern**

| Hole Plating Table mm [in.] |                           |                          |                         |
|-----------------------------|---------------------------|--------------------------|-------------------------|
| 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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