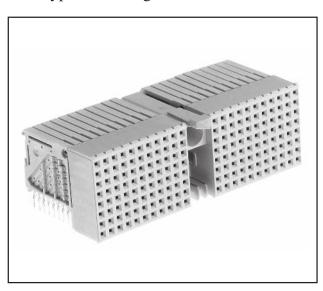
# 3M<sup>™</sup> MetPak<sup>™</sup> HSHM Press-Fit Power Socket

2 mm Type D, 176 Signal/4 Power 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
- Four integrated 8.25 A power blades
- 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 (Nominal Shortest Contact): 2.67 mm [0.105 in] 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 A @ 70°C Signal, 8.25 A at 70×C Power

Insulation Resistance:  $1 \times 10^4 M\Omega$  @  $100 V_{DC}$ 

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

#### **Environmental**

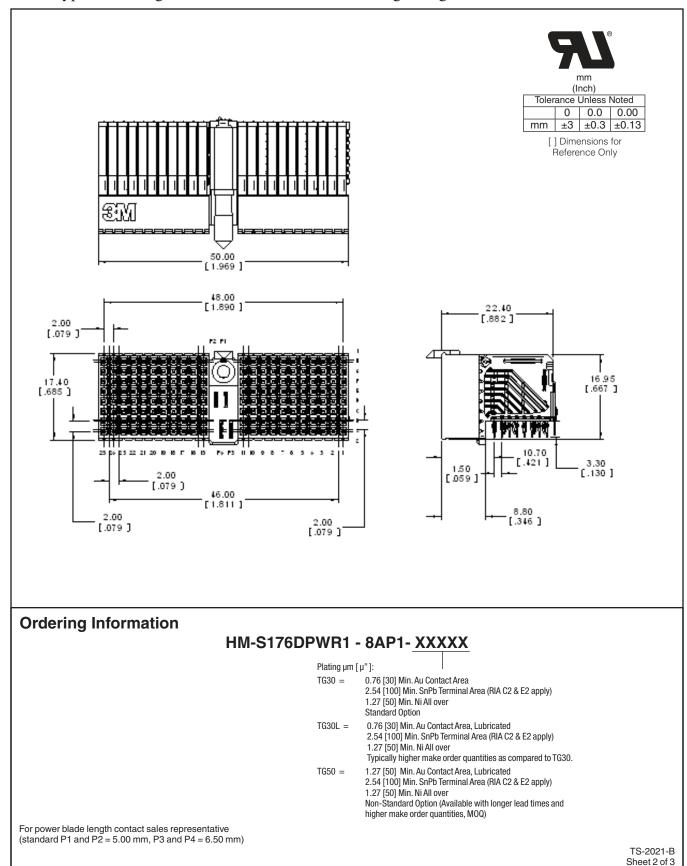
**Temperature Rating:** -55° C to 125° C

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

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

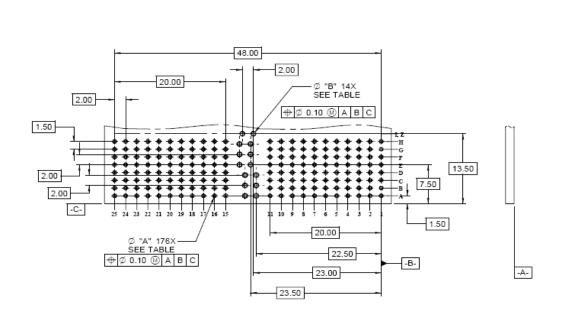
2 mm Type D, 176 Signal/4 Power Contacts, 8 Rows, Right Angle

**HM Series** 



2 mm Type D, 176 Signal/4 Power Contacts, 8 Rows, Right Angle

**HM Series** 



## **Recommended PCB Hole Mounting Pattern**

	Hole Plating Table mm [in.]			
Hole	Finished Hole Dia. "D"	Cu. Thickness	SnPb Thickness	Drilled Hole Dia.
"A"	0.550 - 0.650 [.02170256]	0.025 - 0.045 [.00100018]	0.008 - 0.018 [.00030007]	0.686 - 0.727 [.02700286]
"B"	0.690 - 0.790 [.02700310]	0.025 - 0.045 [.00100018]	0.008 - 0.018 [.00030007]	0.810 - 0.860 [.03200340]

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