# $3M^{TM}$ MetPak $^{TM}$ HSHM Press-Fit Header

### 2 mm Type D, 176 Signal Contacts, 8 Rows, Straight

<ul> <li>Up to 5 Gb/s data rates</li> <li>Low crosstalk at high frequencies</li> <li>50/100 Ω (single-ended /differential) imped</li> <li>Modular/scalable format IEC 61076-4-101</li> <li>101 mated lines per linear inch</li> <li>Four integrated 8.25 A power contacts</li> <li>Integrated guide pin</li> <li>End-to-end stackable with 8 row 3M<sup>™</sup> MetH and HSHM headers</li> <li>See the Regulatory Information Appendix (the "RoHS compliance" section of www.3mconnector.com for compliance information</li> </ul>	Pak™ HM RIA) in
Date Modified: November 8, 2010	TS-2015-B Sheet 1 of 3

### **Physical**

Insula	ation:
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Material: High Temperature Thermoplastic (LCP) Flammability: UL 94V-0 **Contact:** Material: Copper Alloy Plating: See Ordering Information

## Performance

#### Mechanical:

Normal Force (Nominal):	0.57 N [58 g] Signal, 0.74 N [75 g] Shield
Engagement Force (Nominal):	0.32 N [33 g] Signal, 0.22 N [22 g] Shield
Separation Force (Nominal):	0.20 N [20 g] Signal, 0.20 N [20 g] Shield
Wipe (Nominal, Shortest Contact):	2.67 mm [0.105 in] Signal, 1.57 mm [0.062 in] Shield
Mate/Unmate Cycles:	250
Application:	This module is suitable for stand-alone use. (Refer to IEC-61076-4-101)
Electrical:	
Electrical: Data Rate:	5 Gb/s
Data Rate:	5 Gb/s 50 Ω Single-ended, 100 Ω Differential
Data Rate:	50 $\Omega$ Single-ended, 100 $\Omega$ Differential
Data Rate: Characteristic Impedance:	50 Ω Single-ended, 100 Ω Differential 1 A @ 70° C Signal

#### Environmental

Temperature Rating: -55° C to 125° C

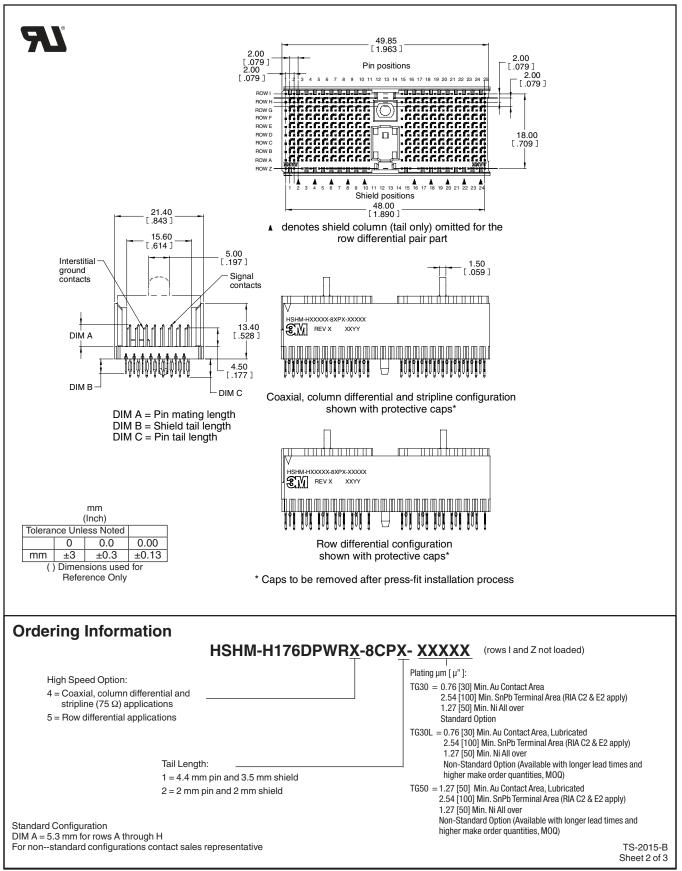
UL File No.: E68080

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HSHM Series

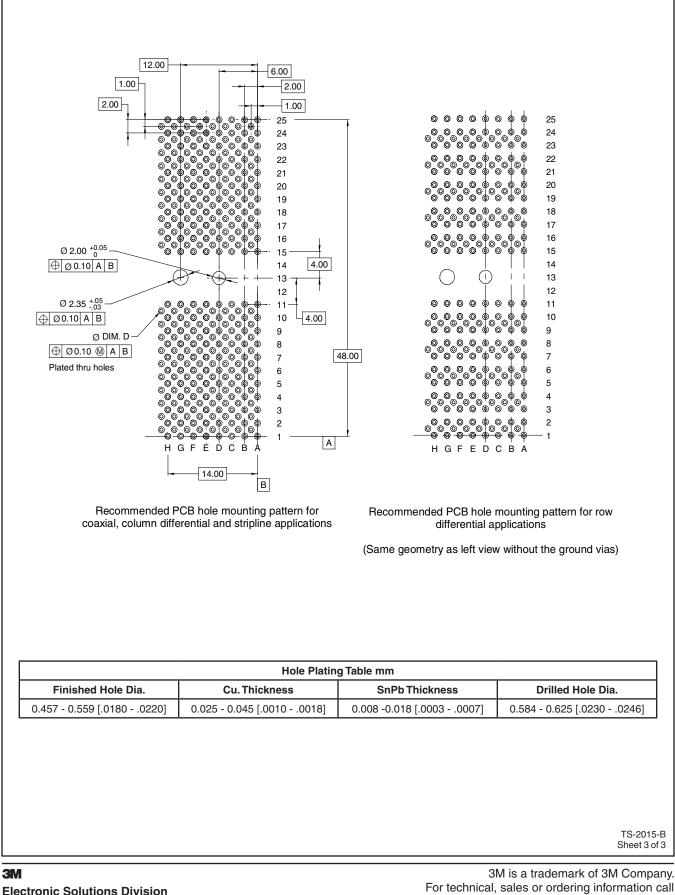


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**HSHM** Series

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