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

### 2 mm Type A, 110 Signal Contacts, 5 Rows, Right Angle

<ul> <li>Up to 5 Gb/s data rates</li> <li>Low crosstalk at high frequencies</li> <li>50/100 Ω (single-ended /differential)</li> <li>Modular/scalable format IEC 61076-4</li> <li>63 mated lines per linear inch</li> <li>Mates with 3M<sup>™</sup> MetPak<sup>™</sup> HSHM heat</li> <li>Dual beam contact construction for hit</li> <li>Multi-purpose center (MPC) for keyin</li> <li>End-to-end stackable with 5 row 3M<sup>™</sup> HM and HSHM sockets</li> <li>See the Regulatory Information Appet the "RoHS compliance" section of www.3mconnector.com for compliant</li> </ul>	4-101 aders gh reliability ng and guidance " MetPak™ CP2, ndix (RIA) in
 Date Modified: October 7, 2010	TS-2025-B Sheet 1 of 3

#### **Physical**

Insulation Material:High Temperature Thermoplastic (LCP)Flammability:UL 94V-0Contact Material:Copper AlloyPlating: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 not suitable for stand-alone use. (Refer to IEC-61076-4-101)
Electrical:	
Data Rate:	5 Gb/s
Characteristic Impedance:	50 $\Omega$ Single-ended, 100 $\Omega$ Differential
Current Rating (Fully Loaded):	1 A @ 70°C Signal
Insulation Resistance:	$10^4 \mathrm{M\Omega} @ 100 \mathrm{V_{DC}}$
Withstanding Voltage:	$750 \mathrm{V_{RMS}}$

### Environmental

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

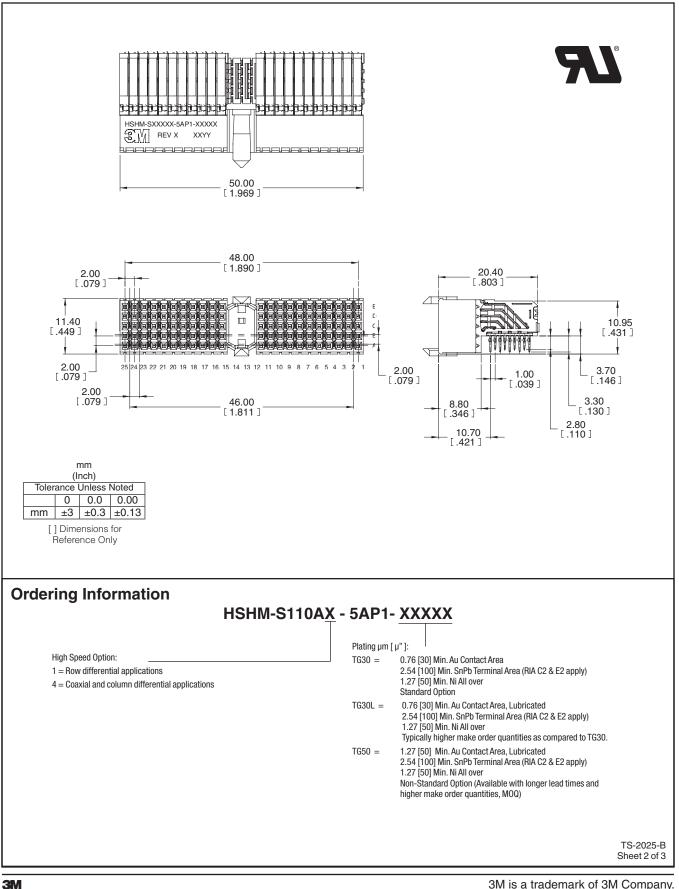
UL File No.: E68080

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

#### 2 mm Type A, 110 Signal Contacts, 5 Rows, Right Angle

HSHM Series

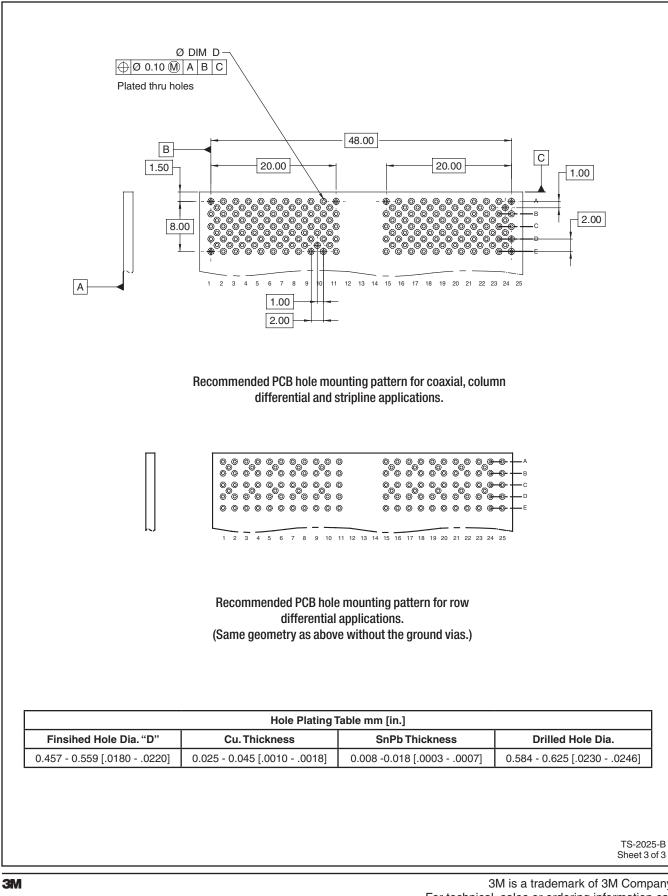


Electronic Solutions Division Interconnect Solutions http://www.3Mconnector.com

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#### 2 mm Type A, 110 Signal Contacts, 5 Rows, Right Angle

HSHM Series



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