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

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

 Up to 5 Gb/s data rates Low crosstalk at high frequencies 50/100 Ω (single-ended /differential) = Modular/scalable format IEC 61076-4 63 mated lines per linear inch Mates with 3M[™] MetPak[™] HSHM hea Dual beam contact construction for hi Multi-purpose center (MPC) for keyir End-to-end stackable with 5 row 3M[™] HM and HSHM sockets See the Regulatory Information Appenthe "RoHS compliance" section of www.3mconnector.com for compliance 	I-101 Inders 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 Ω Single-ended, 100 Ω 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

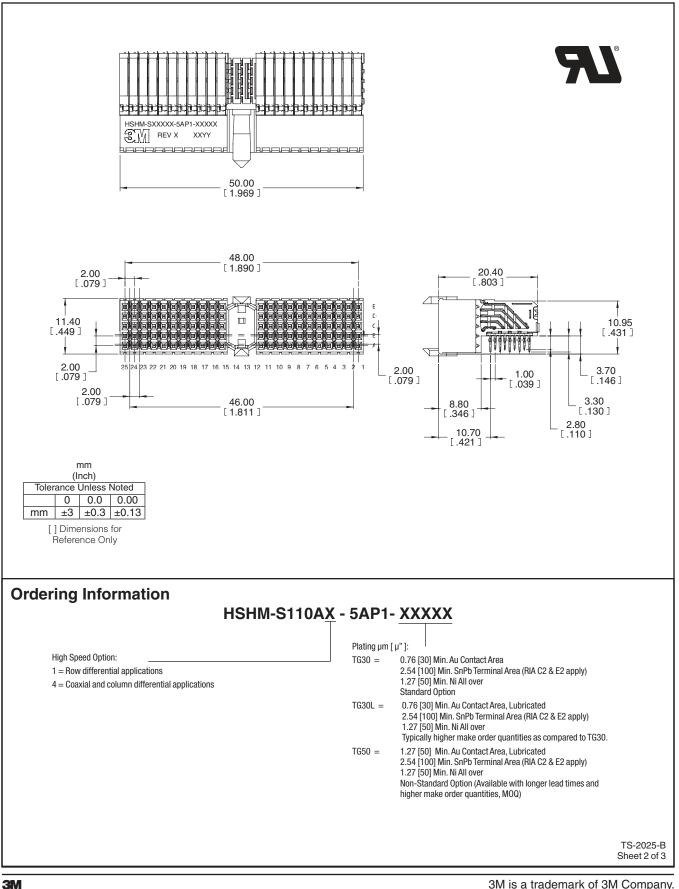
UL File No.: E68080

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HSHM Series

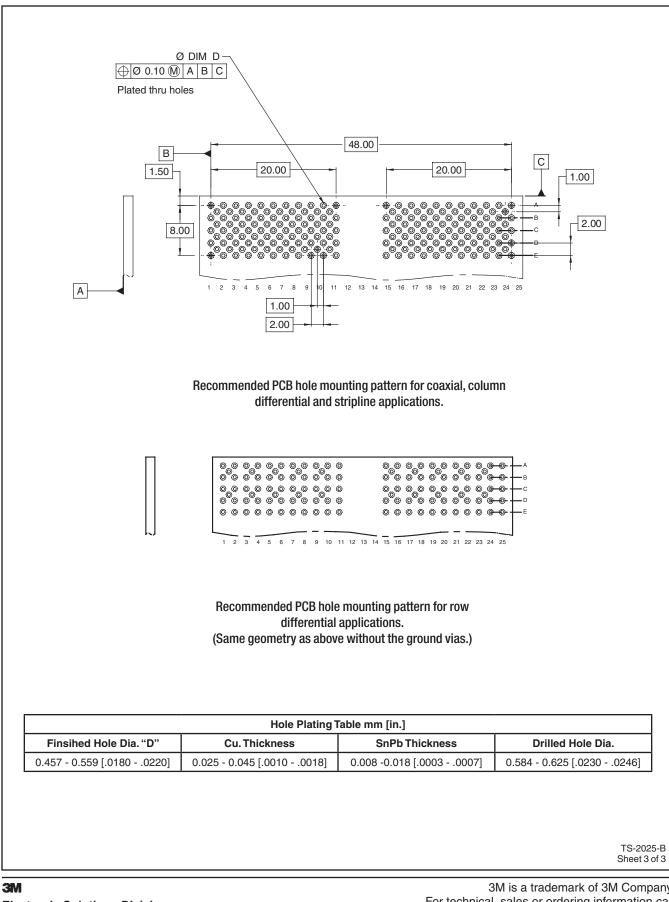


Electronic Solutions Division Interconnect Solutions http://www.3Mconnector.com

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