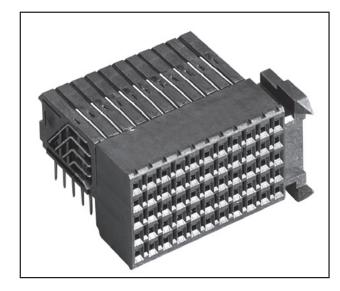
# $3M^{TM}$ MetPak M HSHM Press-Fit Socket

2 mm Type CR, 55 Signal Contacts, 5 Rows, Right Angle



- Up to 5 Gb/s data rates
- Low crosstalk at high frequencies
- $50/100 \Omega$  (single-ended /differential) impedance
- Modular/scalable format IEC 61076-4-101
- 63 mated lines per linear inch
- Mates with 3M<sup>™</sup> MetPak<sup>™</sup> HSHM headers
- Dual beam contact construction for high reliability
- End-to-end stackable with 5 row 3M<sup>™</sup> MetPak<sup>™</sup> CP2, HM and HSHM sockets
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3mconnector.com for compliance information

Date Modified: October 7, 2010	TS-2066-B
	Sheet 1 of 3

## **Physical**

Insulation Material:High Temperature Thermoplastic (LCP)Flammability:UL 94V-0ContactMaterial: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 V <sub>RMS</sub>

## Environmental

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

UL File No.: E68080

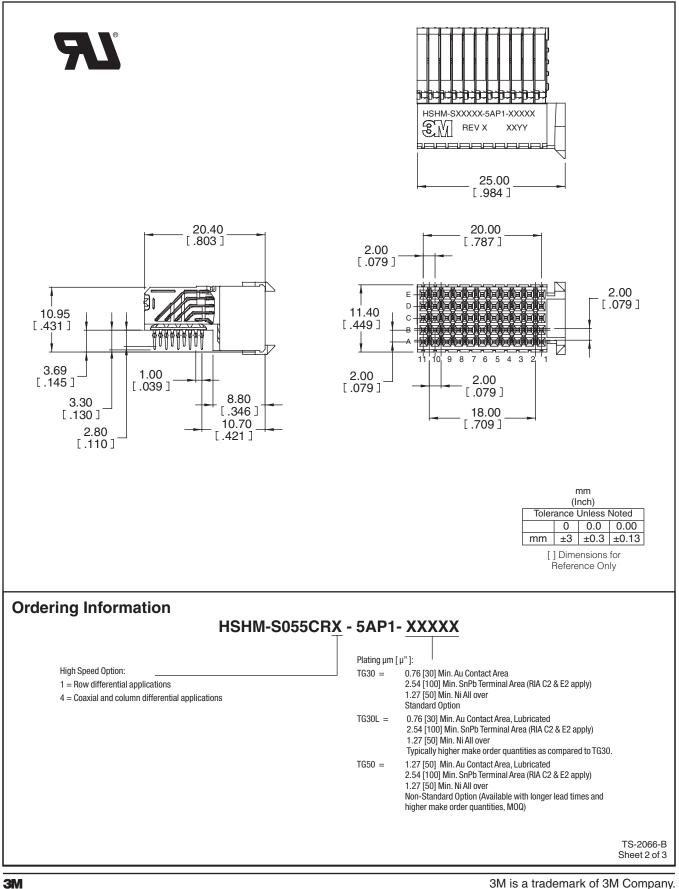
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## $3M^{TM}$ MetPak<sup>TM</sup> HSHM Press-Fit Socket

2 mm Type CR, 55 Signal Contacts, 5 Rows, Right Angle

HSHM Series

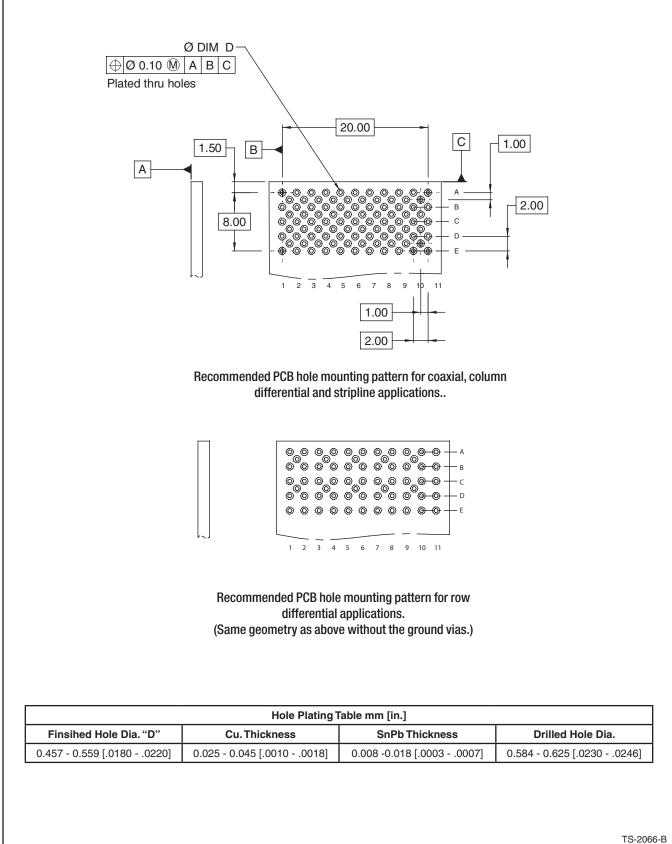


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## 2 mm Type CR, 55 Signal Contacts, 5 Rows, Right Angle

HSHM Series



Sheet 3 of 3

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