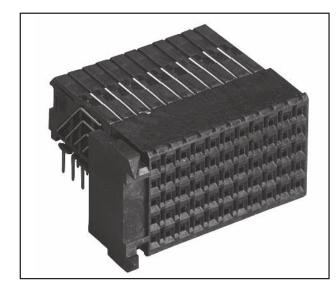
# $3M^{TM}$ MetPak $^{TM}$ HSHM Press-Fit Socket

2 mm Type CL, 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

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### **Physical**

Insulation Material:High Temperature Thermoplastic (LCP)Flammability:UL 94V-0Contact Material:Copper AlloyPlating:See Ordering Information

### Performance

0.57 N [58 g] Signal, 0.74 N [75 g] Shield
0.32 N [33 g] Signal, 0.22 N [22 g] Shield
0.20 N [20 g] Signal, 0.20 N [20 g] Shield
2.67 mm [0.105 in] Signal, 1.57 mm [0.062 in] Shield
250
This module is not suitable for stand-alone use. (Refer to IEC-61076-4-101)
5 Gb/s
50 Ω Single-ended, 100 Ω Differential
1 A @ 70° C Signal
$10^4 \mathrm{M\Omega}$ @ $100 \mathrm{V_{DC}}$
750 V <sub>RMS</sub>

### Environmental

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

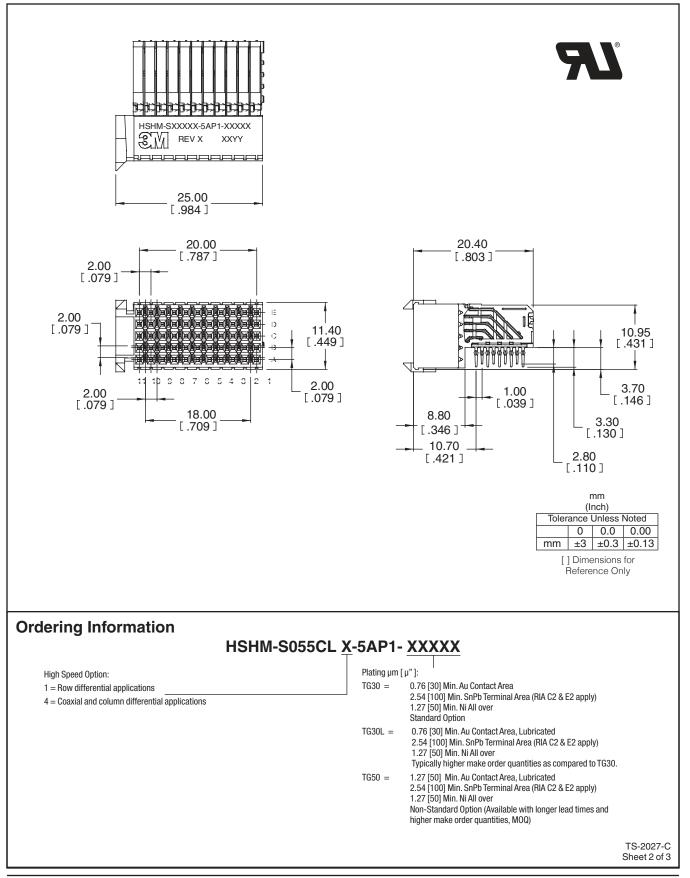
UL File No.: E68080

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

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

HSHM Series



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

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

Ø DIM D-|⊕|Ø 0.10 M | A | B | C Plated thru holes 20.00 С 1.00 1.50 В А А ۲  $\widehat{O}$ 6 6 2.00 Ó 6 в (G) 6 6 0 ്ര 6 С 8.00 6 ര 6 6 0 ¢ 6 0 D 2 3 4 5 9 11 1 6 7 8 1.00 2.00 Recommended PCB hole mounting pattern for coaxial, column differential and stripline applications.  $\bigcirc$  $\odot$ 00 ۵ 6 ്ത 0 Ó 0 Ô 6 **@** 0 0 6 Ø 0 ്തെര് ഻ഀൟൟ 6 0 0 D ര 0 6 ത 6 6  $\odot$ 1 2 3 4 5 67 9 10 11 8 Recommended PCB hole mounting pattern for row differential applications. (Same geometry as above without the ground vias.) Hole Plating Table mm [in.] Finsihed Hole Dia. "D" Drilled Hole Dia. Cu. Thickness **SnPb Thickness** 0.457 - 0.559 [.0180 - .0220] 0.025 - 0.045 [.0010 - .0018] 0.008 -0.018 [.0003 - .0007] 0.584 - 0.625 [.0230 - .0246]

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HSHM Series

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