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

## 2 mm Type B22, 110 Signal Contacts, 5 Rows, Right Angle

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

### Insulation:

Material:High Temperature Thermoplastic (LCP)Flammability:UL 94V-0Color: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
Electrical:	
Data Rate:	5 Gb/s
	5 Gb/s 50 Ω Single-ended, 100 Ω Differential
	50 $\Omega$ Single-ended, 100 $\Omega$ Differential
Characteristic Impedance:	50 Ω Single-ended, 100 Ω Differential 1 A @ 70° C Signal
Characteristic Impedance: Current Rating (Fully Loaded):	50 Ω Single-ended, 100 Ω Differential 1 A @ 70° C Signal 10 <sup>4</sup> MΩ @ 100 V <sub>DC</sub>

### Environmental

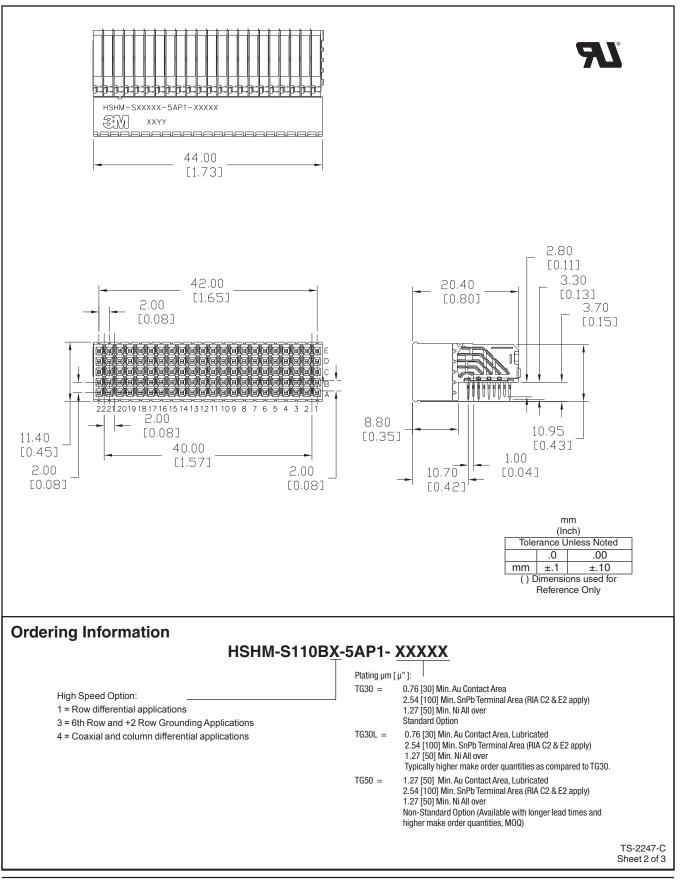
Temperature Rating: -55° C to 125° C

UL File No.: E68080

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HSHM Series

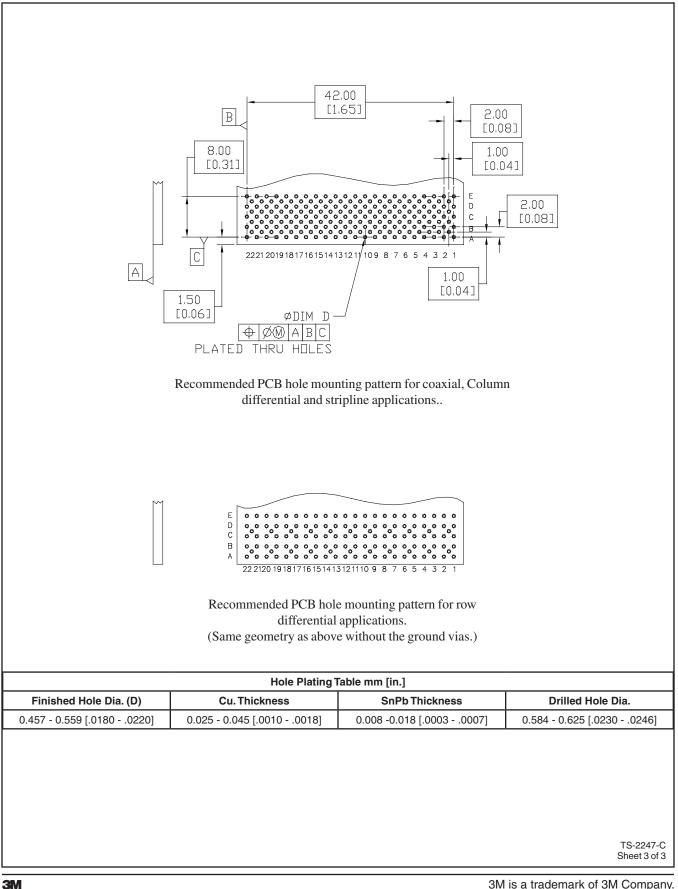


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# $3M^{{}^{\rm TM}}\,MetPak^{{}^{\rm TM}}\,HSHM\,Press-Fit\,Socket$

## 2 mm Type B22, 110 Signal Contacts, 5 Rows, Right Angle

### HSHM Series



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