# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



### Contact us

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

#### 2 mm Type B22, 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) 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:	
Electrical: Data Rate:	5 Gb/s
Data Rate:	5 Gb/s 50 Ω Single-ended, 100 Ω Differential
Data Rate:	50 Ω Single-ended, 100 Ω Differential
Data Rate: Characteristic Impedance:	50 Ω Single-ended, 100 Ω Differential 1 A @ 70° C Signal
Data Rate: 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**

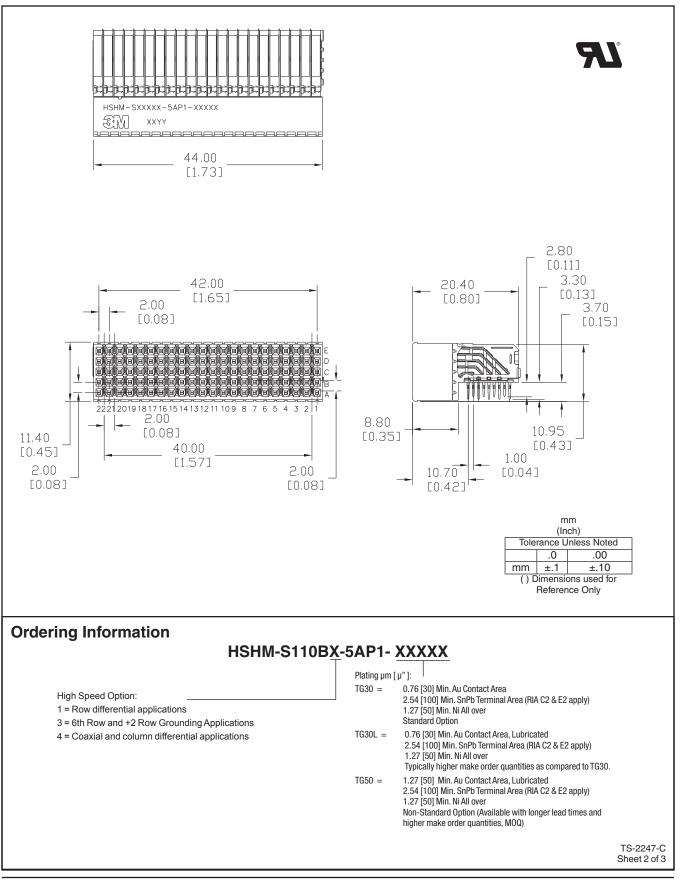
Temperature Rating: -55° C to 125° C

UL File No.: E68080

## 3M<sup>TM</sup> MetPak<sup>TM</sup> HSHM Press-Fit Socket

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HSHM Series

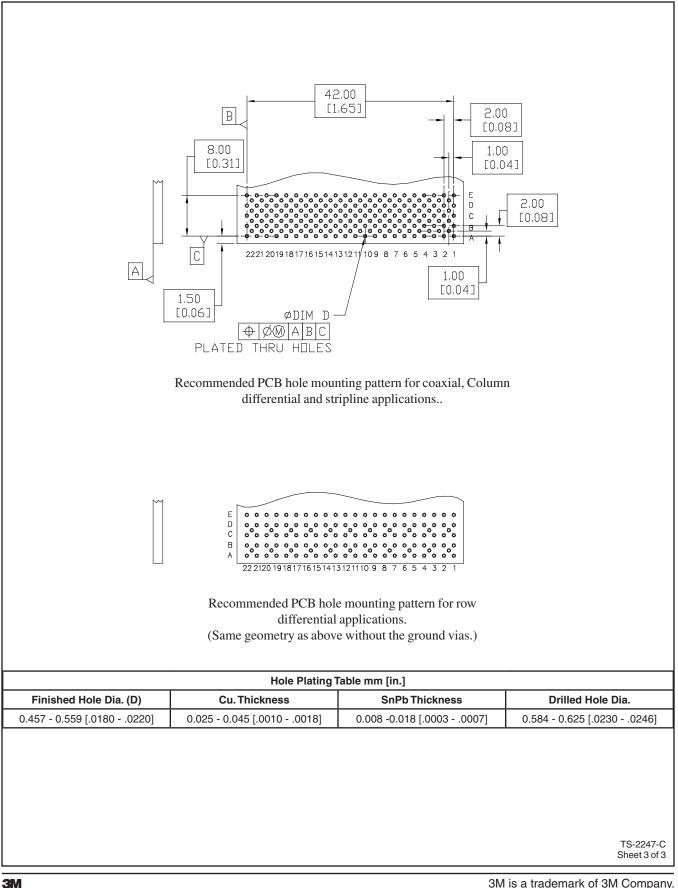


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### $3M^{{}^{\rm TM}}\,MetPak^{{}^{\rm TM}}\,HSHM\,Press-Fit\,Socket$

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

#### HSHM Series



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