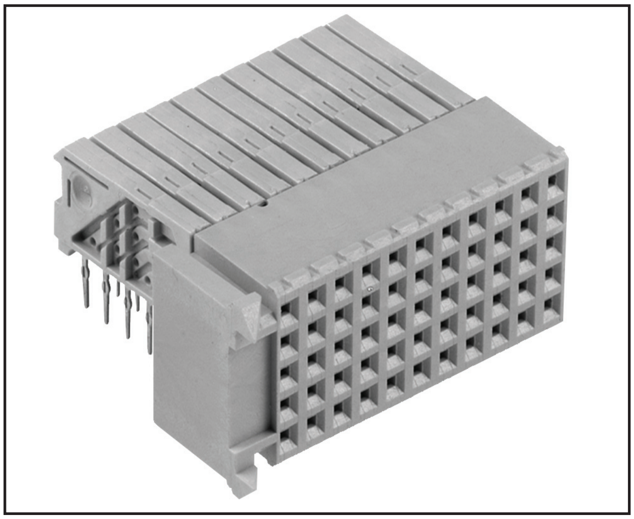

Chipsmall
深圳市津利帝科技有限公司
Geelead Technology Limited
Chipsmall
采购部

3M™ MetPak™ HM Press-Fit Socket

2 mm Type B25, 125 Signal Contacts, 5 Rows, Right Angle HM Series



- Modular/scalable format IEC 61076-4-101
- 63 mated lines per linear inch
- Dual beam contact construction for high reliability
- End-to-end stackable with 5 row 3M™ MetPak™ CP2, HM and HSHM Products
- Mates with 3M™ MetPak™ HSHM headers
- See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3mconnector.com for compliance information

Date Modified: November 22, 2010

Physical

Insulation:

Material:	High Temperature Thermoplastic (LCP)
Flammability:	UL 94V-0
Color:	
Material:	Copper Alloy
Plating:	See Ordering information
Marking:	3M Logo, Part Number, Revision, Date Code

Performance

Mechanical:

Normal Force (Nominal):	0.57 N [58 g] Signal
Engagement Force (Nominal):	0.32 N [33 g] Signal
Separation Force (Nominal):	0.20 N [20 g] Signal
Wipe (Nominal, Shortest Contact):	2.67 mm [0.105 in] Signal
Mate/Unmate Cycles:	250
Application:	This module is not suitable for stand-alone use. (Refer to IEC-61076-4-101)
Electrical:	
Current Rating (Fully Loaded):	1 A @ 70° C Signal
Insulation Resistance:	1 x 10^4 MΩ @ 100 V_{DC}
Withstanding Voltage:	750 V_{rms}

Environmental

Temperature Rating: -55° C to 125° C

UL File No.: E68080

MetPak is a trademark of 3M Company.

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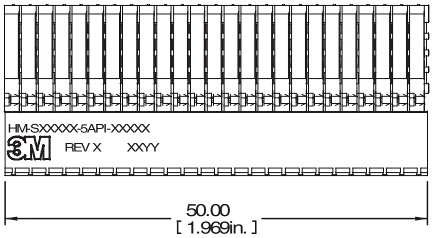
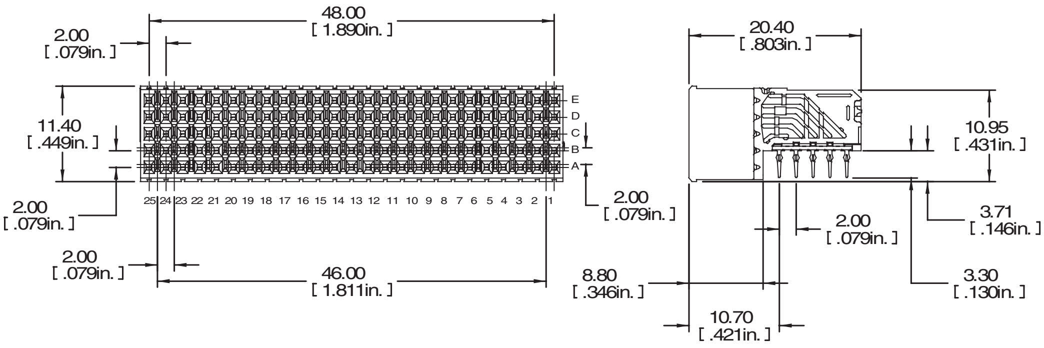
mm
(Inch)

Tolerance Unless Noted			
	0	0.0	0.00
mm	±3	±0.3	±0.13

[ ] Dimensions for
Reference Only





Ordering Information

HM-S125B1 - 5AP1 - XXXXX

Plating µm [µ"]:

TG30 = 0.76 [30] Min. Au Contact Area
2.54 [100] Min. SnPb Terminal Area (RIA C2 & E2 apply)
1.27 [50] Min. Ni All over
Standard Option

TG30L = 0.76 [30] Min. Au Contact Area, Lubricated
2.54 [100] Min. SnPb Terminal Area (RIA C2 & E2 apply)
1.27 [50] Min. Ni All over
Typically higher make order quantities as compared to TG30.

TG50 = 1.27 [50] Min. Au Contact Area, Lubricated
2.54 [100] Min. SnPb Terminal Area (RIA C2 & E2 apply)
1.27 [50] Min. Ni All over
Non-Standard Option (Available with longer lead times and higher make order quantities, MOQ)

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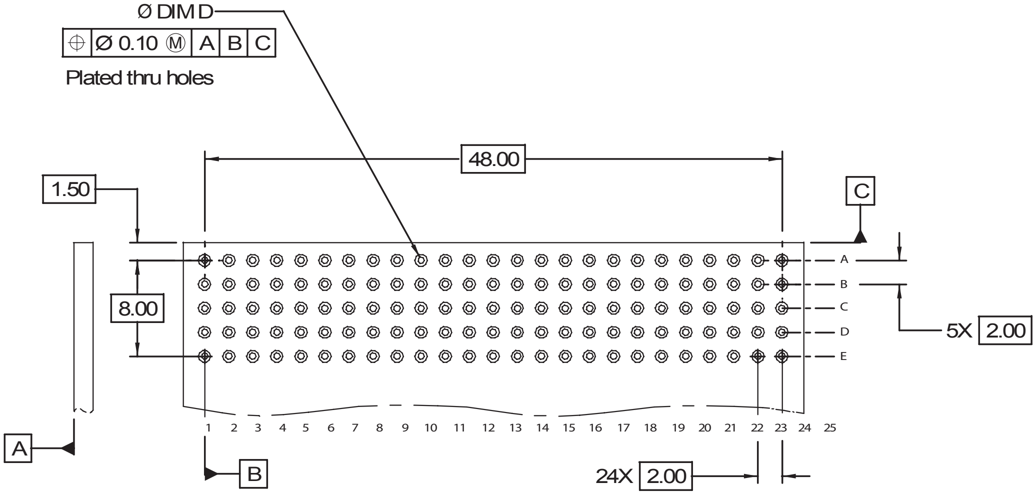

Recommended PCB hole mounting pattern

Hole Plating Table			
Finished Hole Dia. "D"	**Cu. Thickness**	**SnPb Thickness**	**Drilled Hole Dia.**
0.550-0.650 [.0217-.0256]	0.025-0.045 [.0010-.0018]	0.008-0.018 [.0003-.0007]	0.686-0.727 [.0270-.0286]