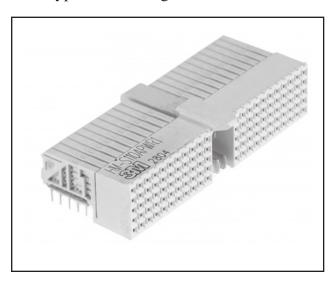
3M[™] MetPak[™] HM Press-Fit Power Socket

2 mm Type A, 110/4 Signal/Power 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

TS-2088-B Sheet 1 of 3

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, 0.98 N [100 g] Power Engagement Force (Nominal): 0.32 N [33 g] Signal, 1.42 N [145 g] Power Separation Force (Nominal): 0.20 N [20 g] Signal, 0.89 N [91 g] Power

Wipe (Nominal, Shortest Contact): 2.67 mm [0.105 in] Signal, 1.93 mm [.076 in] Power

Mate/Unmate Cycles: 250

Application: This module is suitable for stand-alone use.

Limited capture of 0.75 mm in longitudinal and 1.00 mm transverse directions.

Electrical:

Current Rating (Fully Loaded): 1 A @ 70° C Signal, 8.25 A @ 70° C Power

Insulation Resistance: $1 \times 10^4 M\Omega$ @ $100 V_{DC}$

Withstanding Voltage: 750 V_{rms}

Environmental

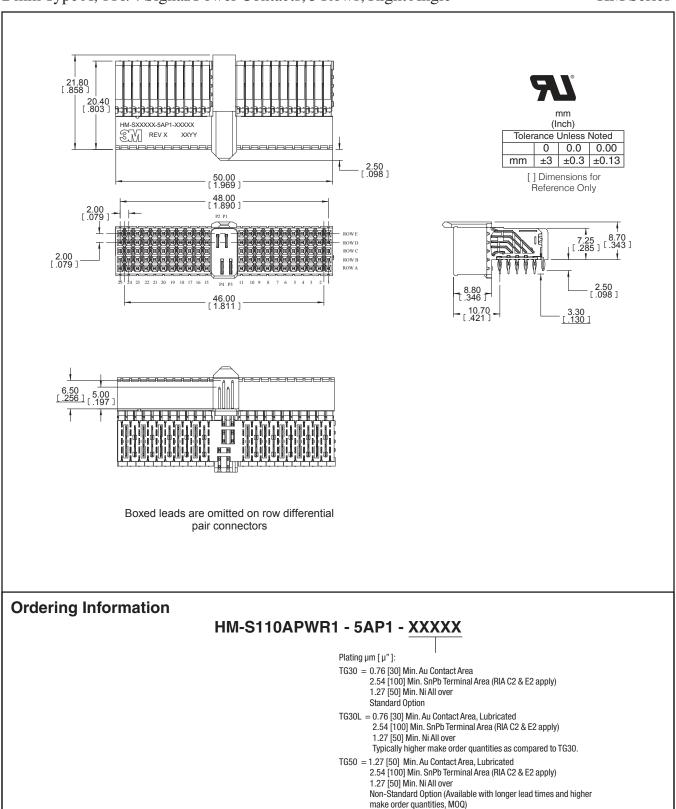
Temperature Rating: -55° C to 125° C

UL File No.: E68080 MetPak is a trademark of 3M Company.

3M[™] MetPak[™] HM Press-Fit Power Socket

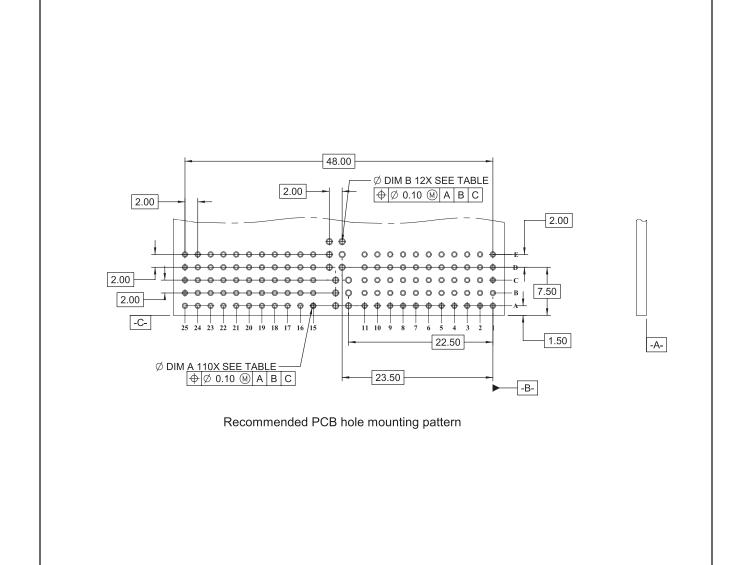
2 mm Type A, 110/4 Signal/Power Contacts, 5 Rows, Right Angle

HM Series



TS-2088-B Sheet 2 of 3 2 mm Type A, 110/4 Signal/Power Contacts, 5 Rows, Right Angle

HM Series



Hole Plating Table				
Hole	Finished Hole Dia. "D"	Cu. Thickness	SnPb Thickness	Drilled Hole Dia.
Α	0.550-0.650 [.02170256]	0.025-0.045 [.00100018]	0.008-0.018 [.00030007]	0.686-0.727 [.02700286]
В	0.690 - 0.790 [.02700310]	0.025 - 0.045 [.00100018]	0.008 - 0.018 [.00030007]	0.810 - 0.860 [.03200340]

TS-2088-B Sheet 3 of 3

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