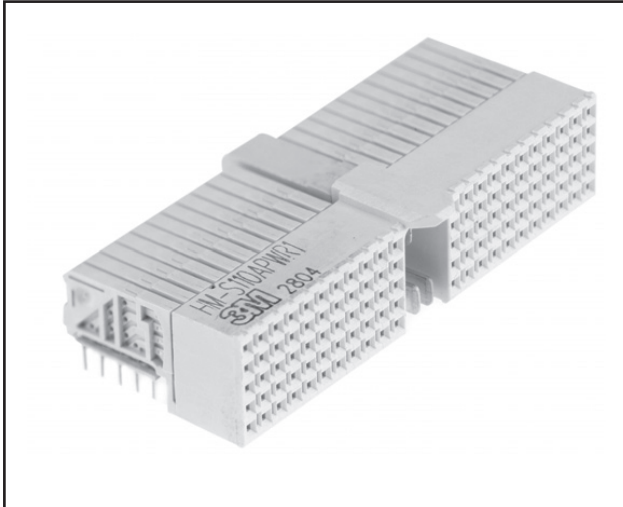


3M™ MetPak™ HM Press-Fit Power Socket

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: $1 \times 10^4 \text{ M}\Omega$ @ 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.

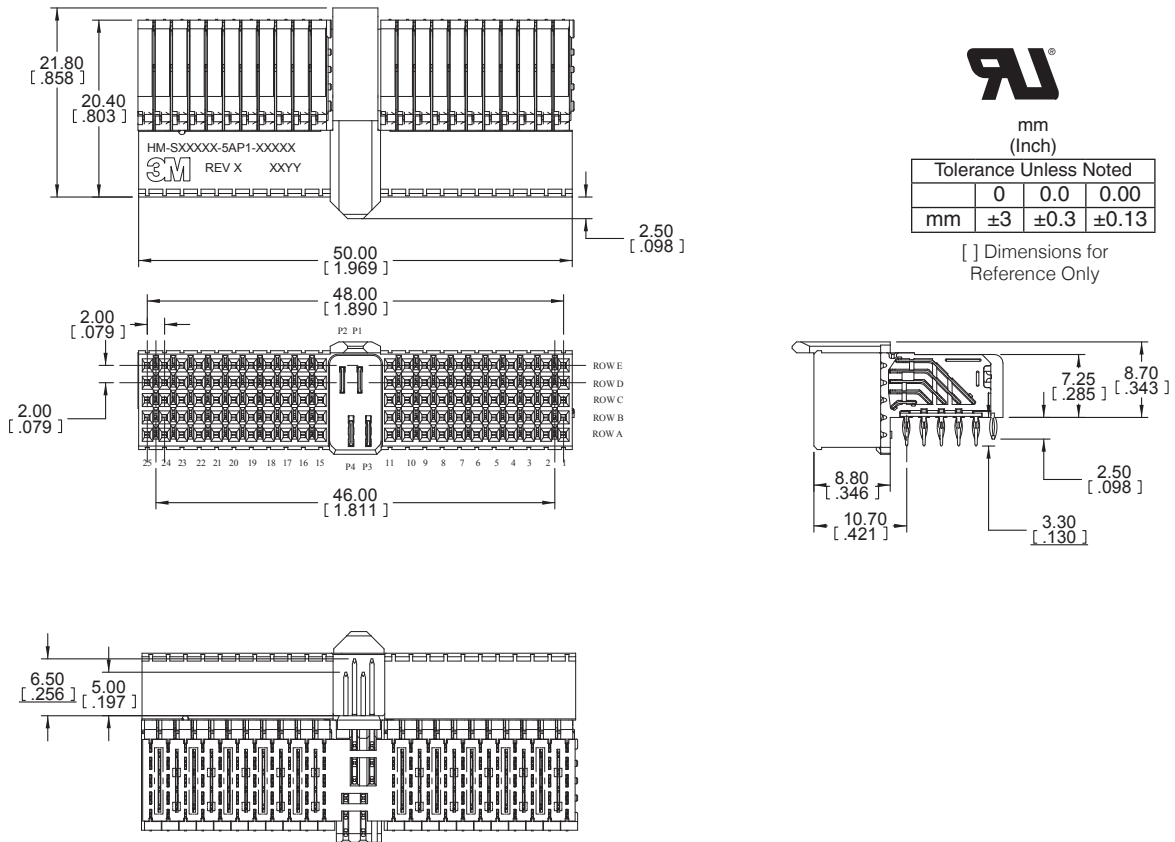
3M
Electronic Solutions Division
Interconnect Solutions
<http://www.3Mconnector.com>

3M is a trademark of 3M Company.
For technical, sales or ordering information call
800-225-5373

3M™ MetPak™ HM Press-Fit Power Socket

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

HM Series



Boxed leads are omitted on row differential pair connectors

Ordering Information

HM-S110APWR1 - 5AP1 - XXXXX

Plating μm [μin]:

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.

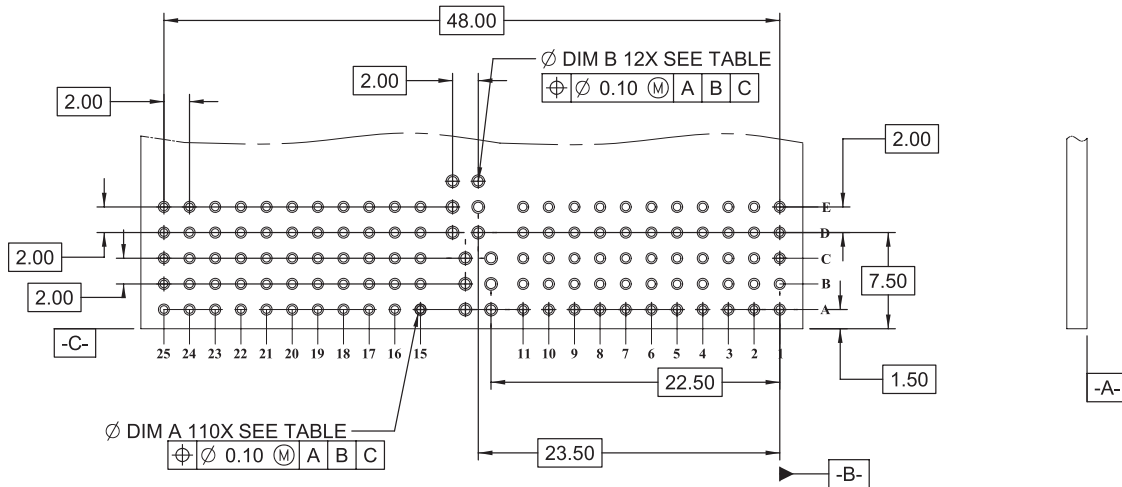
TG50 = 1.27 [50] Min. Au Contact Area, Lubricated
 2.54 [100] Min. SnPb Terminal Area (RIA C2 & E2 apply)
 1.27 [50] Min. Ni All over
 Non-Standard Option (Available with longer lead times and higher make order quantities, MOQ)

TS-2088-B
 Sheet 2 of 3

3M™ MetPak™ HM Press-Fit Power Socket

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.
A	0.550-0.650 [.0217-.0256]	0.025-0.045 [.0010-.0018]	0.008-0.018 [.0003-.0007]	0.686-0.727 [.0270-.0286]
B	0.690 - 0.790 [.0270 - .0310]	0.025 - 0.045 [.0010 - .0018]	0.008 - 0.018 [.0003 - .0007]	0.810 - 0.860 [.0320 - .0340]

TS-2088-B
Sheet 3 of 3

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**

**3M Electronics Solutions Division**

6801 River Place Blvd.
Austin, TX 78726-9000
U.S.A.
1-800-225-5373
www.3Mconnector.com

Please recycle. Printed in USA.
© 3M 2010. All rights reserved.
RIA-2217B-E

3M is a trademark of 3M Company.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.