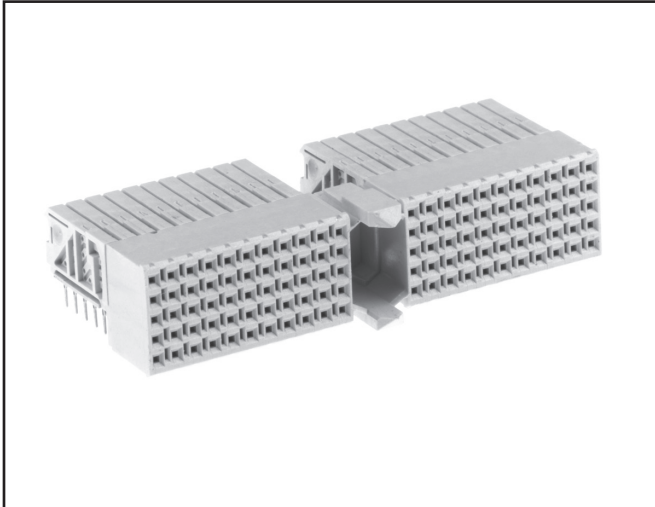


# 3M™ MetPak™ HM Press-Fit Socket

2 mm Type A, 110 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
- Multi-purpose center (MPC) for keying and guidance
- 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](http://www.3mconnector.com) for compliance information

Date Modified: November 16, 2010

TS-2067-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  
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 suitable for stand-alone use.

### Electrical:

Current Rating (Fully Loaded): 1 A @ 70° C Signal  
Insulation Resistance:  $1 \times 10^4 \text{ M}\Omega$  @ 100 V<sub>DC</sub>  
Withstanding Voltage: 750 V<sub>rms</sub>

## Environmental

**Temperature Rating:** -55° C to 125° C

UL File No.: E68080

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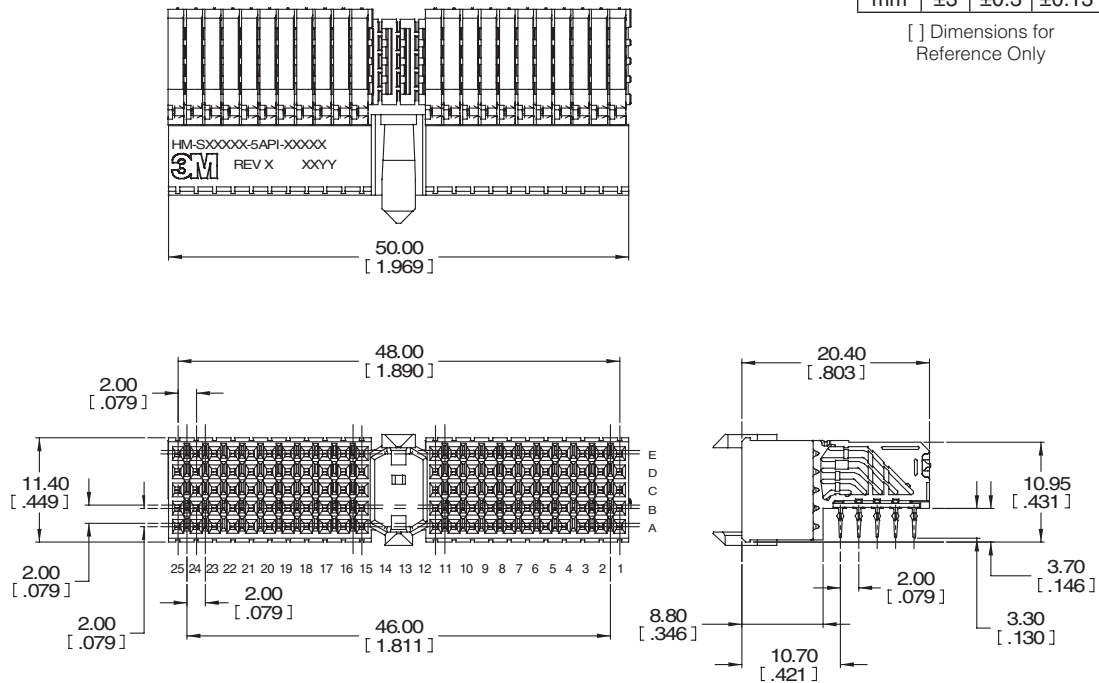
HM Series



mm  
(Inch)

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

[ ] Dimensions for Reference Only



## Ordering Information

**HM-S110A1 - 5AP1 - XXXXX**

Plating  $\mu\text{m}$  [ $\mu\text{m}$ ]:

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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 Sheet 2 of 3



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RIA-2217B-E

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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.);

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- 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

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