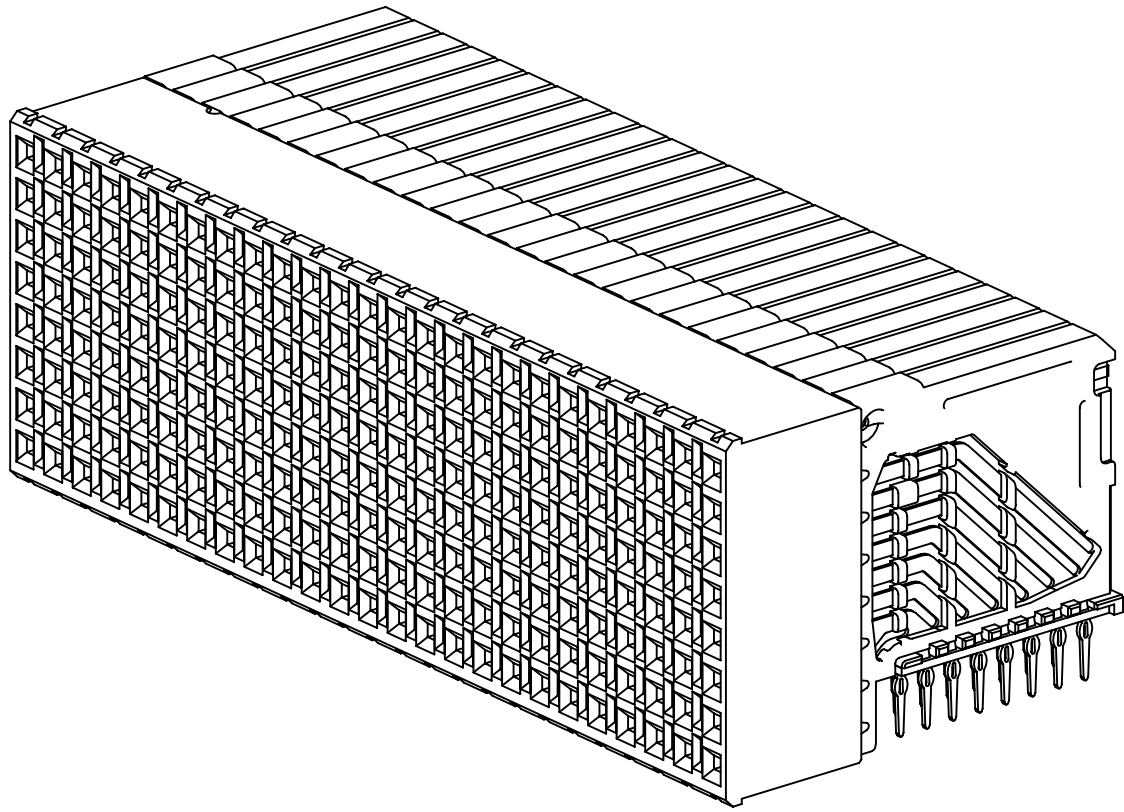


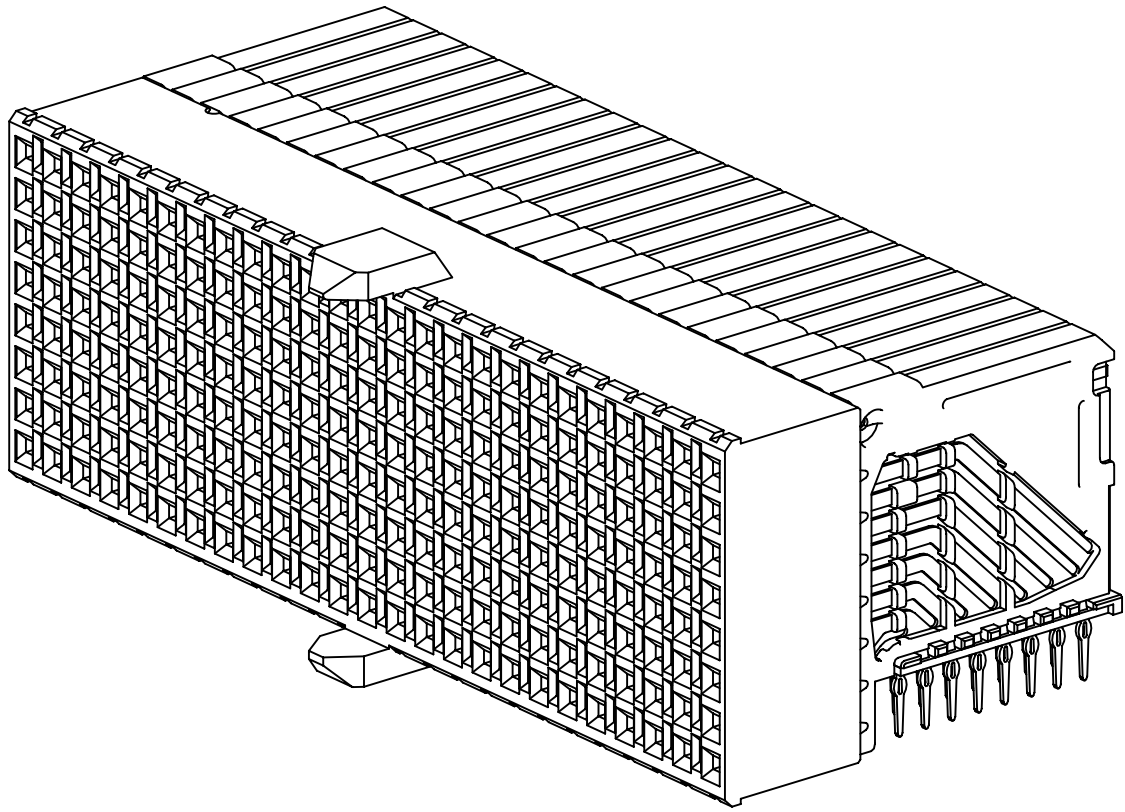
3M™ HM PRESS-FIT SOCKET, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS

- * MODULAR/SCALABLE FORMAT: IEC 61076-101.
- * 101 MATED LINES PER LINEAR INCH.
- * DUAL BEAM CONTACT CONSTRUCTION FOR HIGH RELIABILITY.
- * FOUR INTEGRATED 8.25A POWER BLADES.
- * MULTI-PURPOSE CENTER (MPC) FOR KEYING AND GUIDANCE.
- * END-TO-END STACKABLE WITH 8 ROW 3M™, HM AND HSHM PRODUCTS.
- * INTEGRATED GUIDE FINGERS.
- * MATES WITH 3M™ HSHM HEADERS.

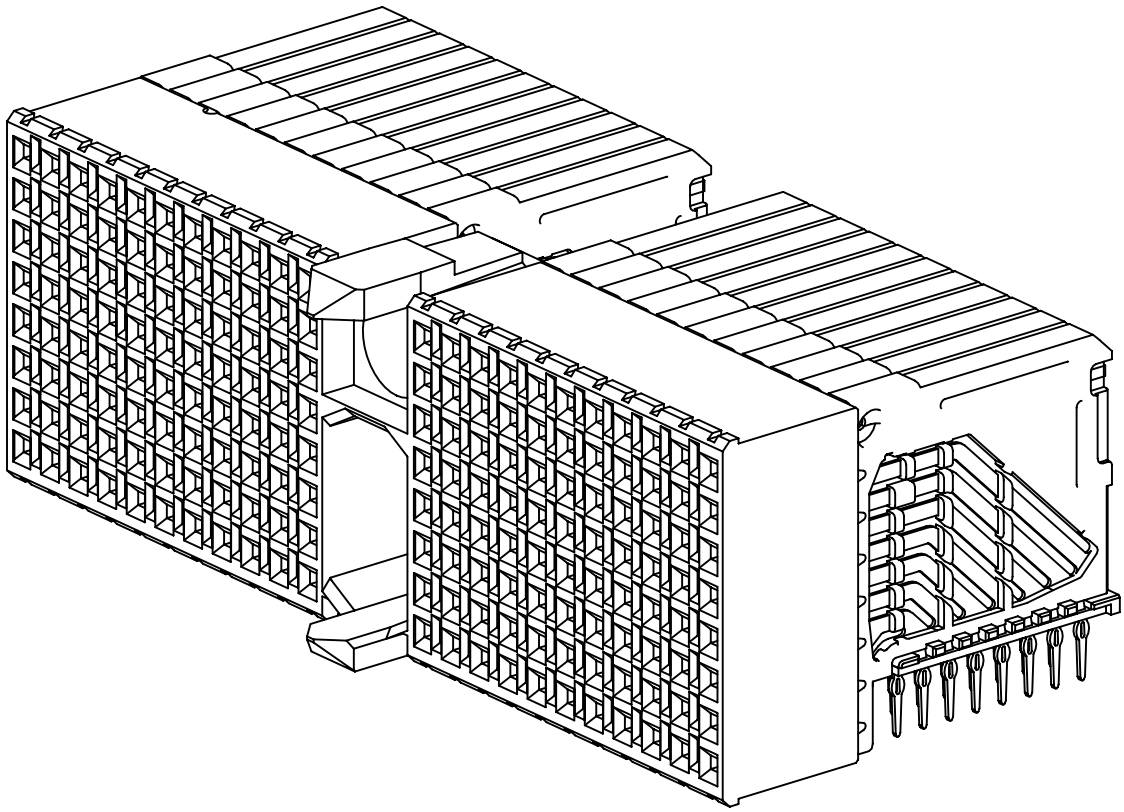
1. MATERIAL:
PLASTIC: HIGH TEMP LCP,
UL94V-0
CONTACTS: COPPER ALLOY.
2. REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE REGULATORY
INFORMATION APPENDIX (RIA) IN THE
"ROHS COMPLIANCE" SECTION OF
WWW.3MCONNECTORS.COM FOR COMPLIANCE
INFORMATION (RIA E1 & C1 APPLY)
3. IN THE EVENT OF CONFLICT
BETWEEN THIS DATA AND THAT
CONTAINED IN THE PRODUCT
SPECIFICATION, THE PRODUCT
SPECIFICATION TAKES PRECEDENT.



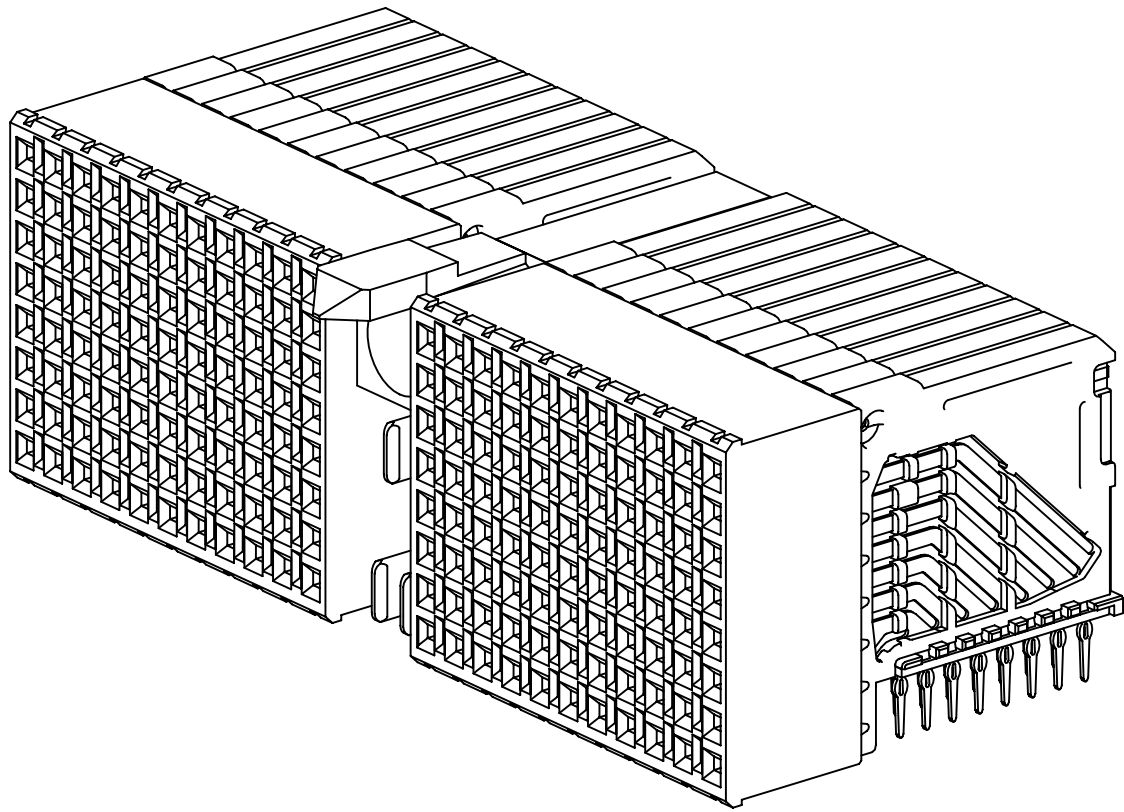
HM-S200E1-8AP1



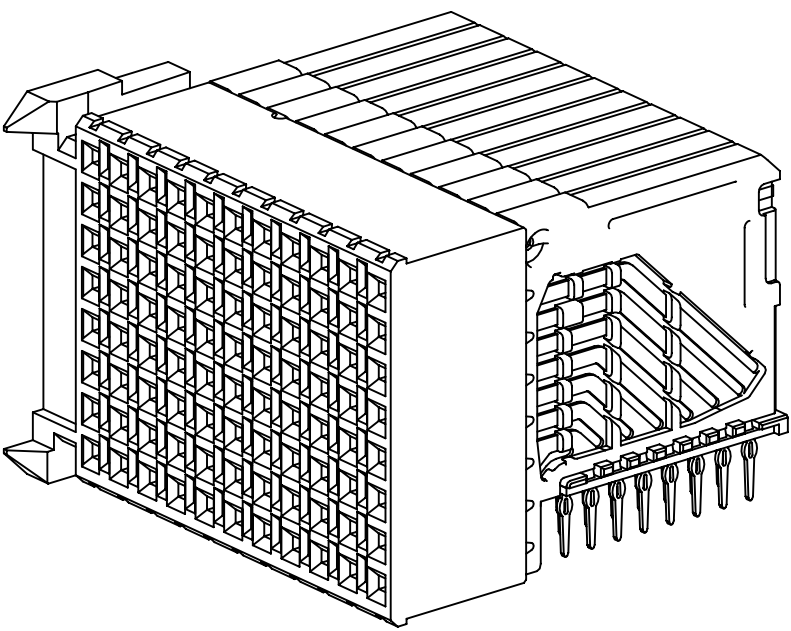
HM-S200DE1-8AP1



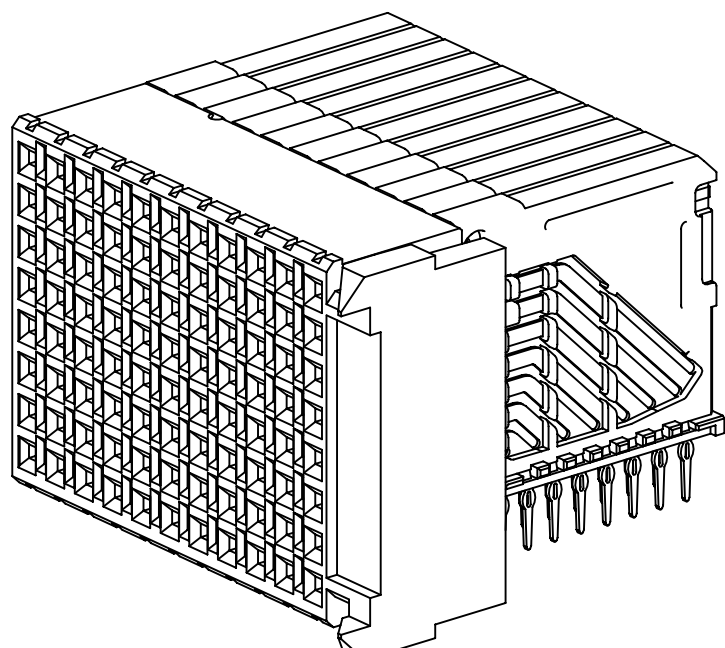
HM-S176D1-8AP1



HM-S176DPWR1-8AP1



HM-S088FL1-8AP1



HM-S088FR1-8AP1

3 MECHANICAL :

NORMAL FORCE (NOMINAL) : .57N [58g] SIGNAL
ENGAGEMENT FORCE (NOMINAL) : .32N [33g] SIGNAL
SEPARATION FORCE (NOMINAL) : .20N [20g] SIGNAL
WIPE (NOMINAL, SHORTEST CONTACT) : 2.67 [.105] SIGNAL
MATE/UNMATE CYCLES : 250
APPLICATION : THIS MODULE IS NOT SUITABLE
FOR STAND-ALONE USE.

3 ELECTRICAL :

CURRENT RATING (FULLY LOADED) : 1A @ 70°C SIGNAL
INSULATION RESISTANCE : $1 \times 10^4 \text{ M}\Omega$ @ 100 V_{DC}
WITHSTANDING VOLTAGE : 750V_{RMS}

3 ENVIRONMENTAL :

TEMPERATURE RATING : -55°C TO 125°C

ORDERING INFORMATION

HM-SXXXXX1-8AP1-XXXXXX

SOCKET POSITION
AND TYPE

PLATING:

- TG30L = .76μm [30μIN] MIN. GOLD ON CONTACT AREA, LUBRICATED
2.54μm [100μIN] MIN. TIN/LEAD ON TERMINAL AREA (RIA C2 & E3 APPLY)
1.27μm [50μIN] MIN. NICKEL ALL OVER.
TYPICALLY HIGHER MAKE ORDER QUANTITIES AS COMPARED TO TG30.
- TG30 = .76μm [30μIN] MIN. GOLD ON CONTACT AREA
2.54μm [100μIN] MIN. TIN/LEAD ON TERMINAL AREA (RIA C2 & E3 APPLY)
1.27μm [50μIN] MIN. NICKEL ALL OVER.
STANDARD OPTION.
- TG50 = 1.27μm [50μIN] MIN. GOLD ON CONTACT AREA, LUBRICATED
2.54μm [100μIN] MIN. TIN/LEAD ON TERMINAL AREA (RIA C2 & E3 APPLY)
1.27μm [50μIN] MIN. NICKEL ALL OVER.
NON-STANDARD OPTION (AVAILABLE WITH LONGER LEAD TIMES AND
HIGHER MAKE ORDER QUANTITIES, MOQ)

3M™ ELECTRONIC SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

UL
UL FILE NO: E68080

DIMENSIONS: MM [INCHES]

DESIGN REFERENCE	NEXT ASSEMBLY
3M CODES	DIVISION CODE
DO NOT SCALE DRAWING	SCALE 1
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994
MAX SURFACE ROUGHNESS	0.000 ± .000
MARKED ONLY	ANGLES

B	50345	OCT 07, 2013	JNC	TS
A	39778	MAR 23, 2012	JNC	TS
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DR	CSTIGLIONE	MAR 23, 2012	MFG	DATE
CHKD	DATE	APPR	DATE	REV
		T. SUNIGA	MAR 26, 2012	
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3M Center St. Paul, MN 55144				
TITLE				
HM PRESS-FIT 8-ROW SOCKET CONNECTORS, HM SERIES				
CAGE NUMBER	SIZE	DRAWING NO.	REV.	
D		78-5100-2516-2	B	
MODEL	DET	LISTS	YES	NO
			SHT	1 OF 4