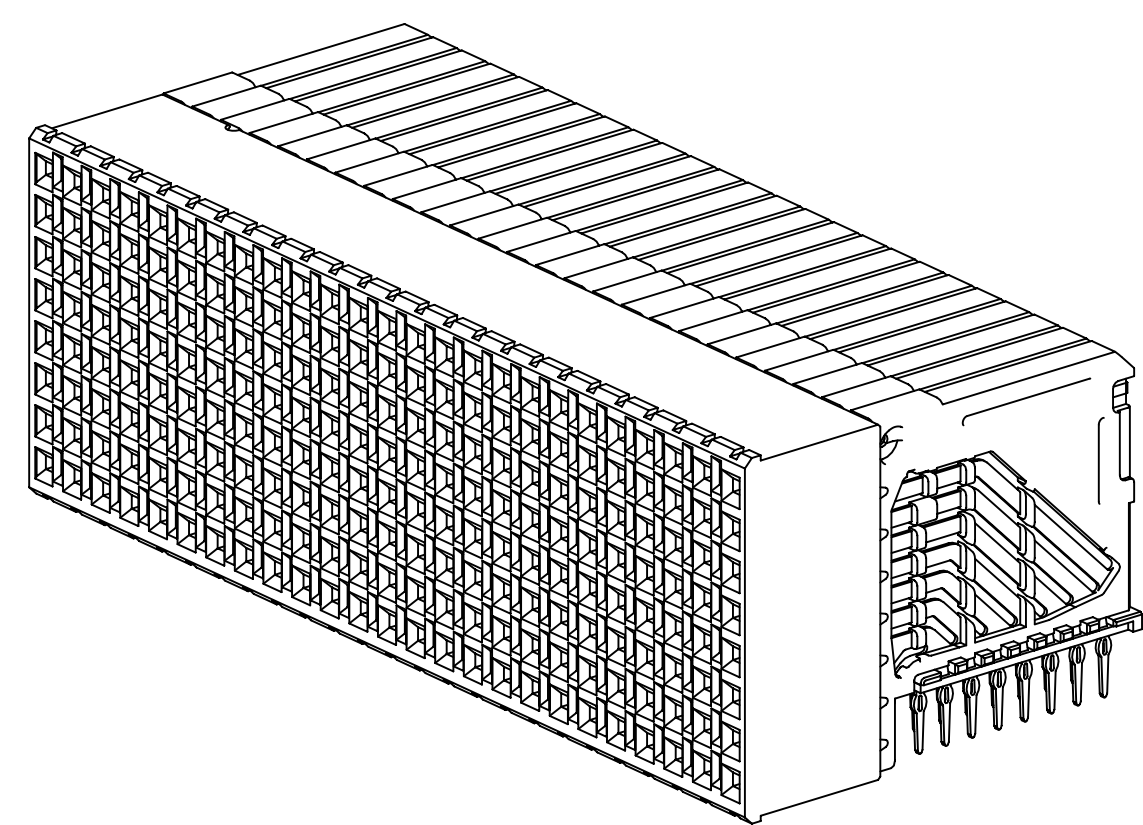


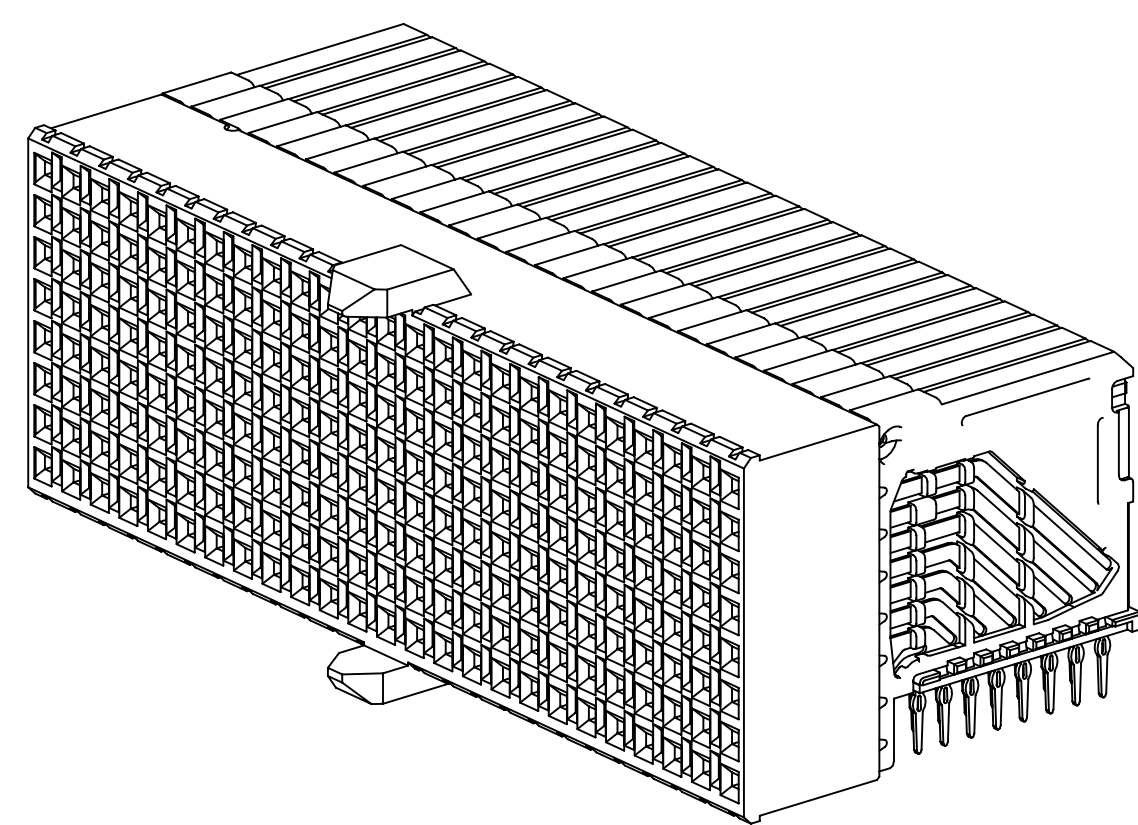
3M™ HM PRESS-FIT SOCKET, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS

- * 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.

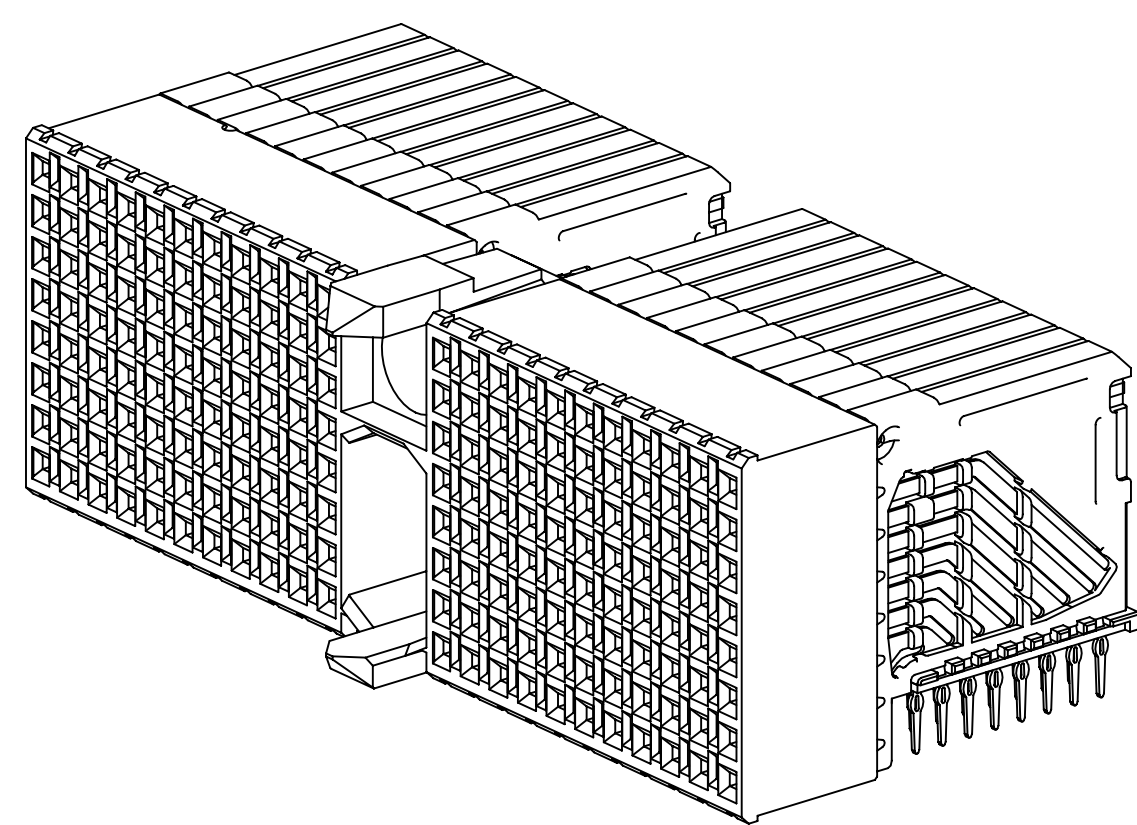
- NOTES
- MATERIAL:
PLASTIC: HIGH TEMP LCP,
UL94V-0
CONTACTS: COPPER ALLOY.
 - REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE REGULATORY
INFORMATION APPENDIX (RIA) IN THE
"ROHS COMPLIANCE" SECTION OF
WWW.3MCONNECTORS.COM FOR COMPLIANCE
INFORMATION (RIA E1 & C1 APPLY)
 - IN THE EVENT OF CONFLICT
BETWEEN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



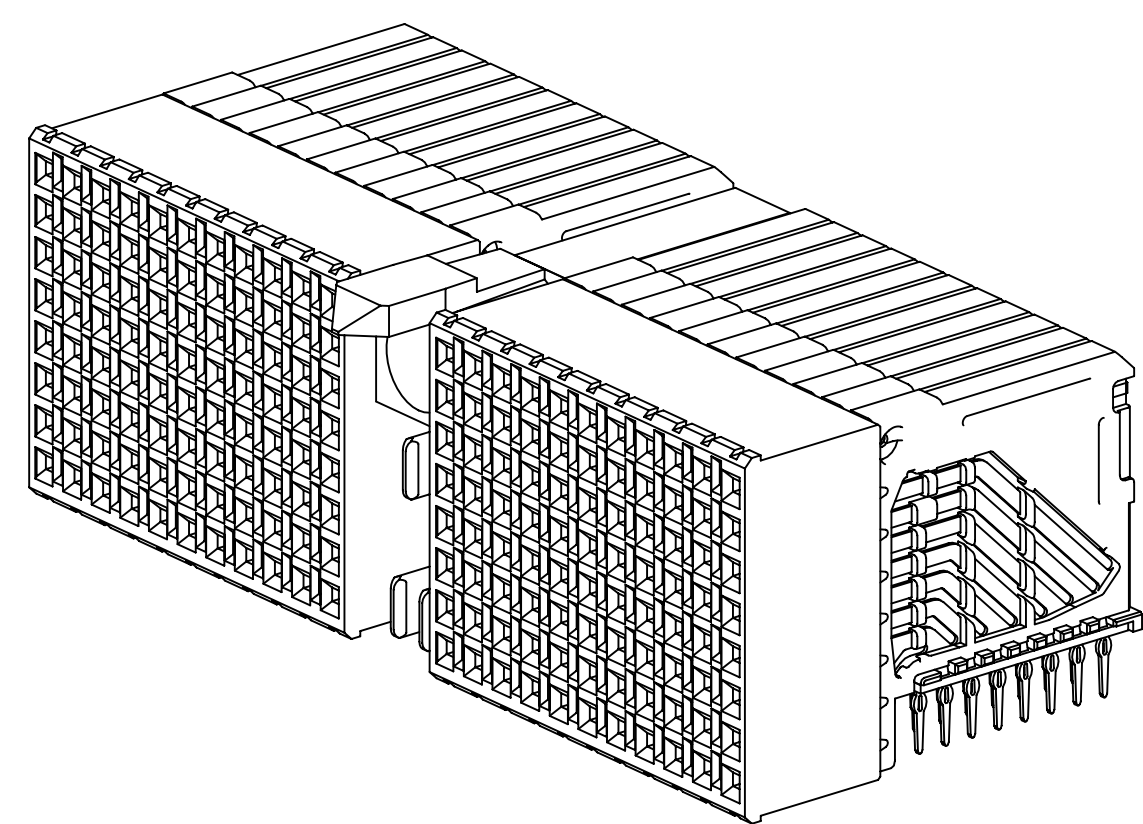
HM-S200E1-8AP1



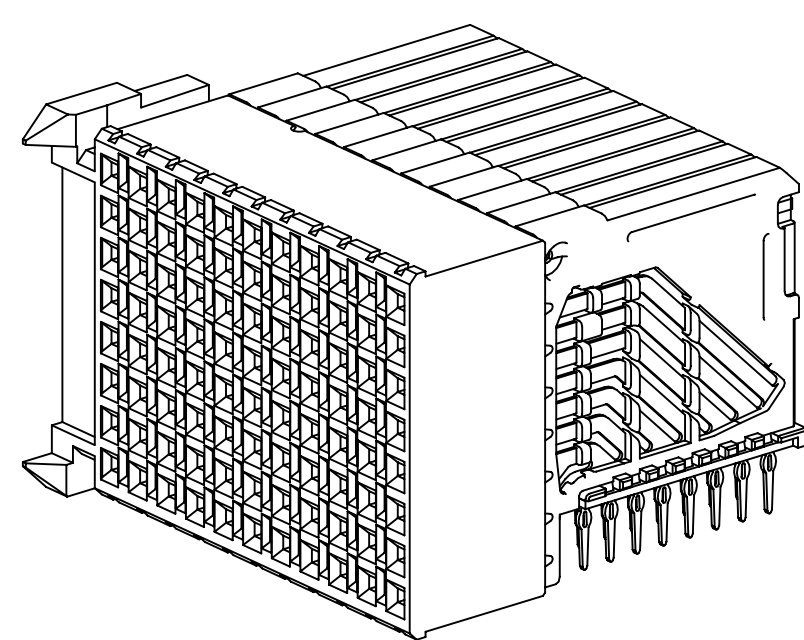
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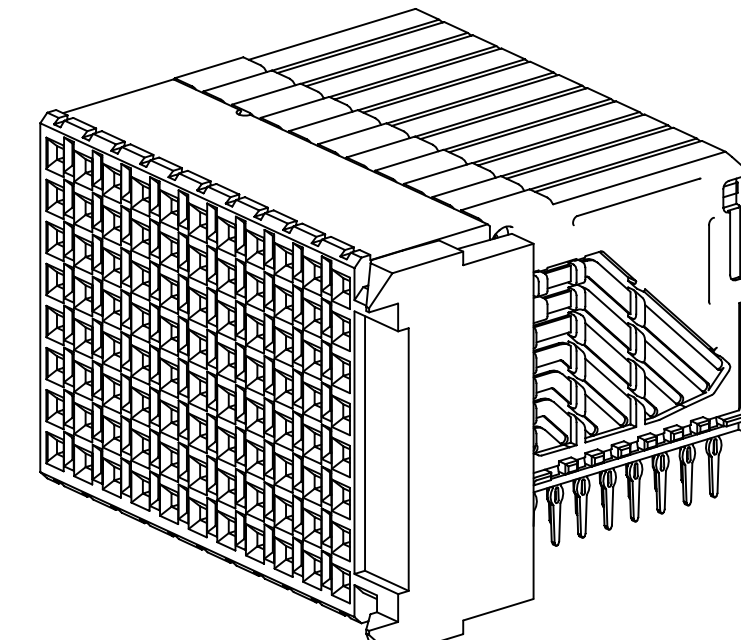
HM-S176D1-8AP1



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-XXXXX

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 & E2 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 & E2 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 & E2 APPLY)
 1.27μm [50μIN] MIN. NICKEL ALL OVER.
 NON-STANDARD OPTION (AVAILABLE WITH LONGER LEAD TIMES AND
 HIGHER MAKE ORDER QUANTITIES, MOQ)
- KR = .76μm [30μIN] MIN. GOLD ON CONTACT AREA
 2.54μm [100μIN] MIN. MATTE TIN ON TERMINAL AREA (RIA C2 & E2 APPLY)
 1.27μm [50μIN] MIN. NICKEL ALL OVER.

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

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 FOR TECHNICAL, SALES OR ORDERING
 INFORMATION CALL 800-225-5373

DIMENSIONS: MM [INCHES]

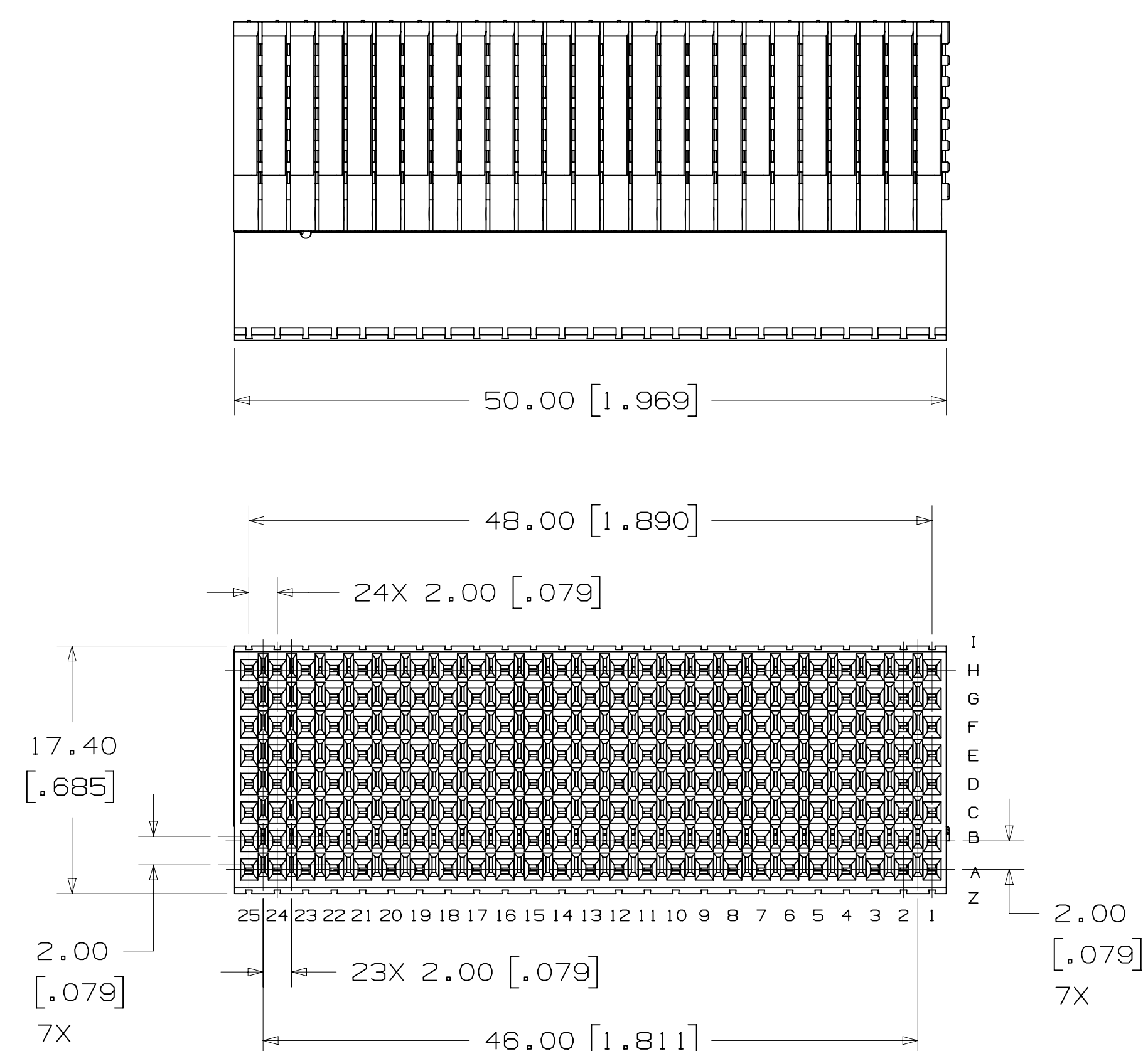
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				MAR 23, 2012		
DIVISION		DIVISION CODE		DATE		
Interconnect Solutions		ISD		MAR 23, 2012		
DO NOT SCALE DRAWING		SCALE 3/1		TOLERANCES EXCEPT AS NOTED		
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		
MAX SURFACE ROUGHNESS		SURFACES		MILLIMETERS		
MARKED ONLY		ANGLES		MILLIMETERS		
CAGE NUMBER		SIZE		DRAWING NO.		REV.
D		D		78-5100-2516-2		A
MODEL		DET		SHT		1 OF 4

3M
 UL FILE NO: E68080

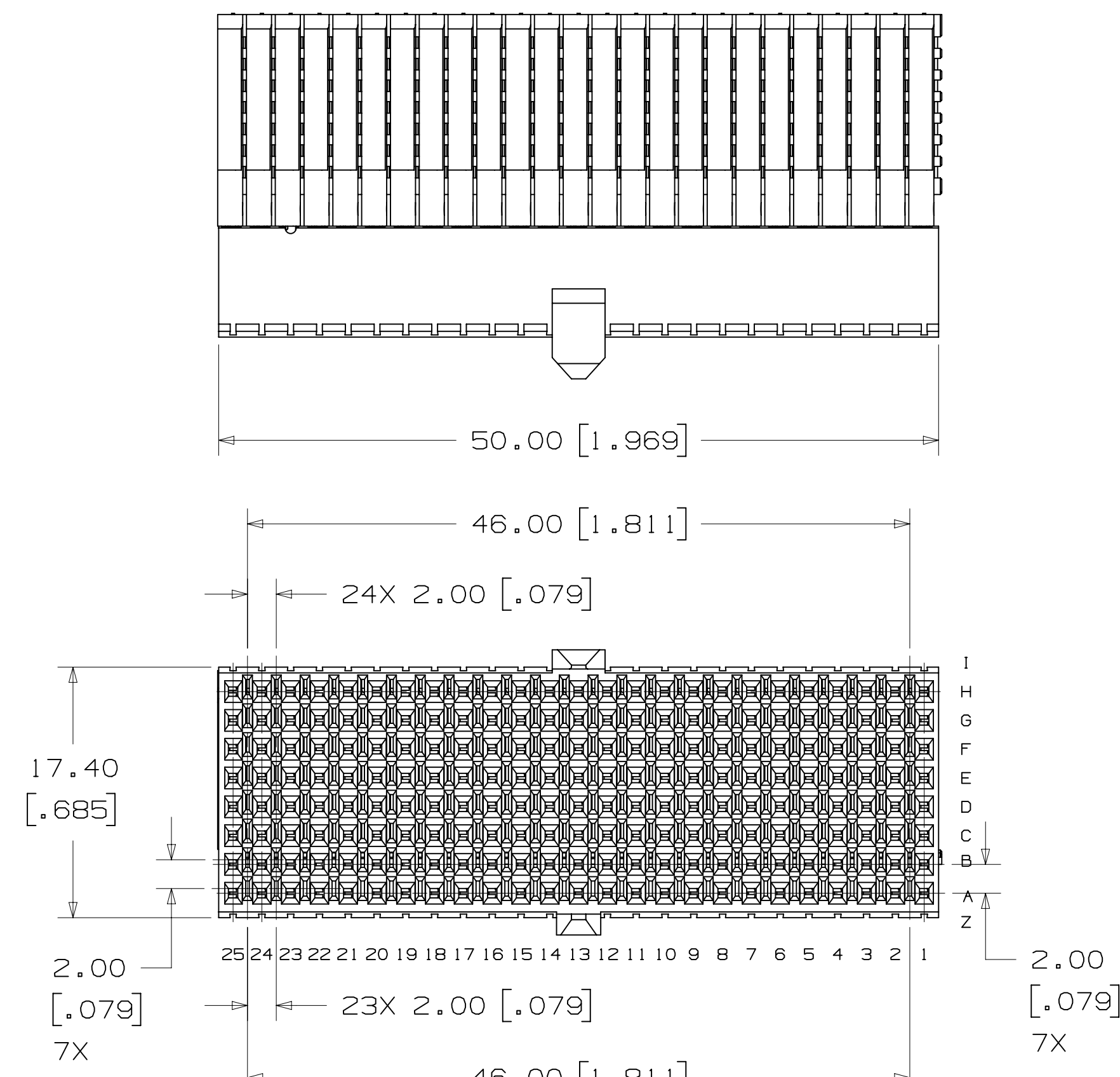
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TITLE
**HM PRESS-FIT 8-ROW
 SOCKET CONNECTORS, HM
 SERIES**

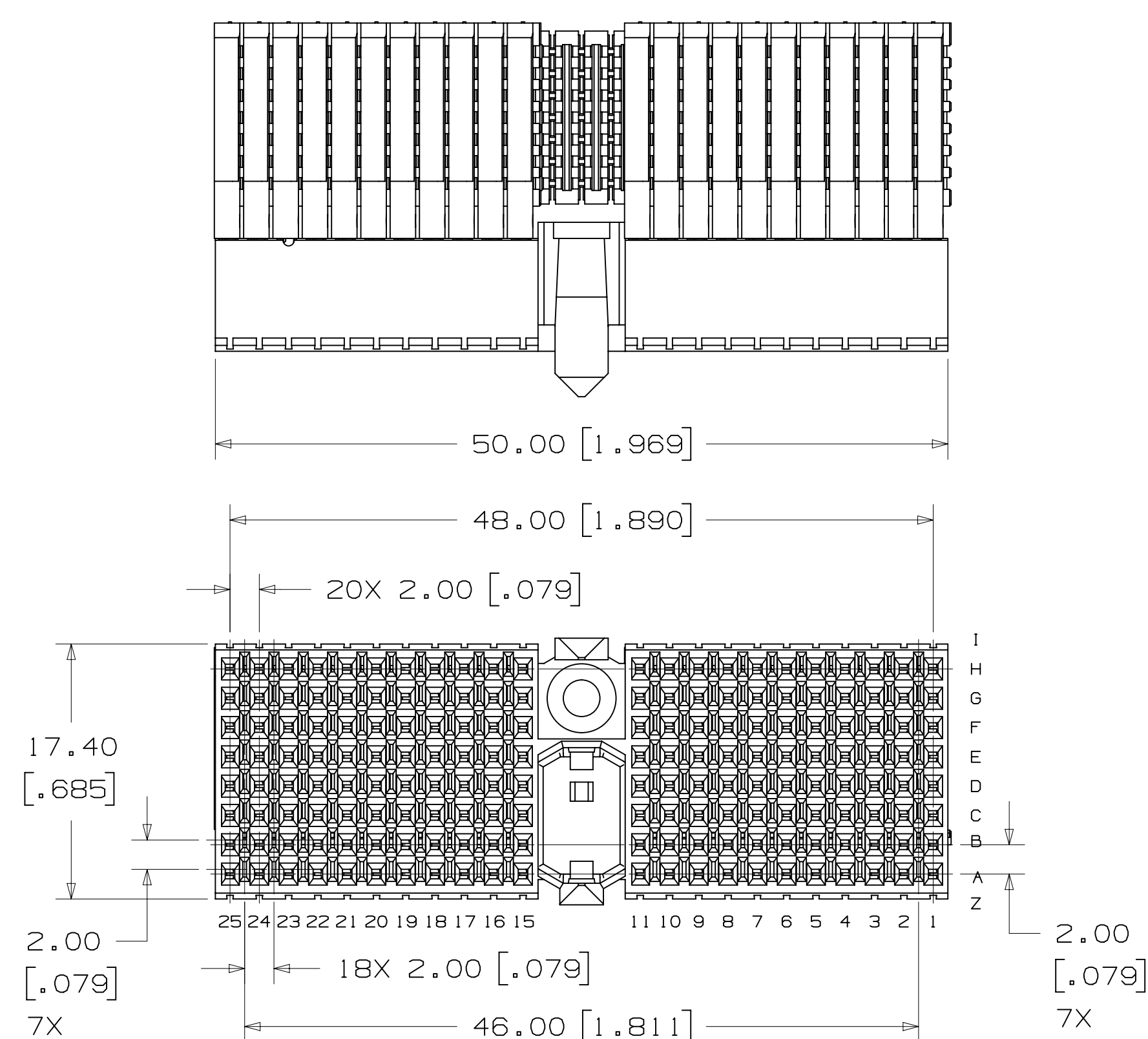
3M™ HM PRESS-FIT SOCKET, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS



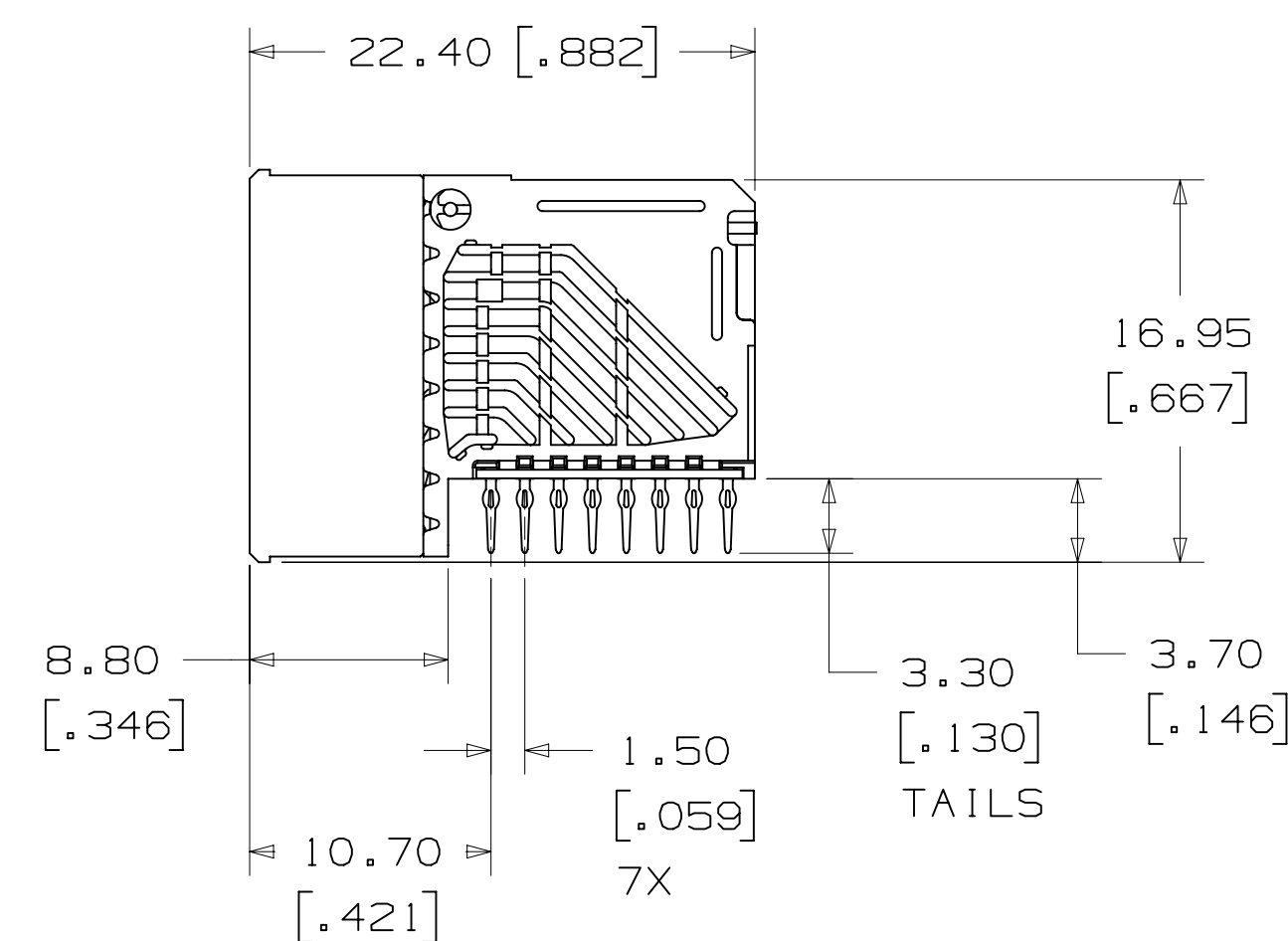
HM-S200E1-8AP1



HM-S200DE1-8AP1



HM-S176D1-8AP1



TYPICAL SIDE VIEW DIMENSIONS FOR THE SOCKETS ON THIS DRAWING

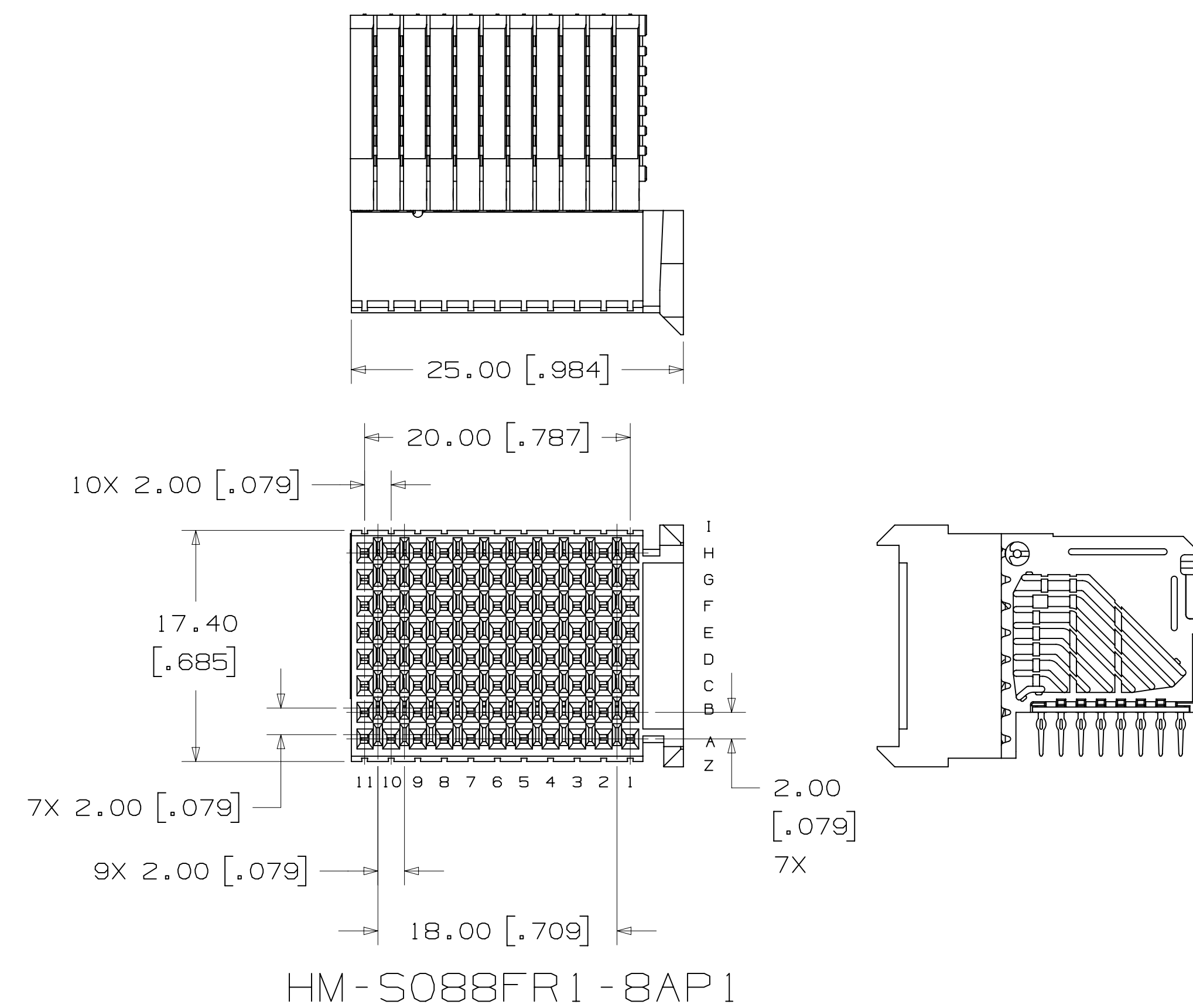
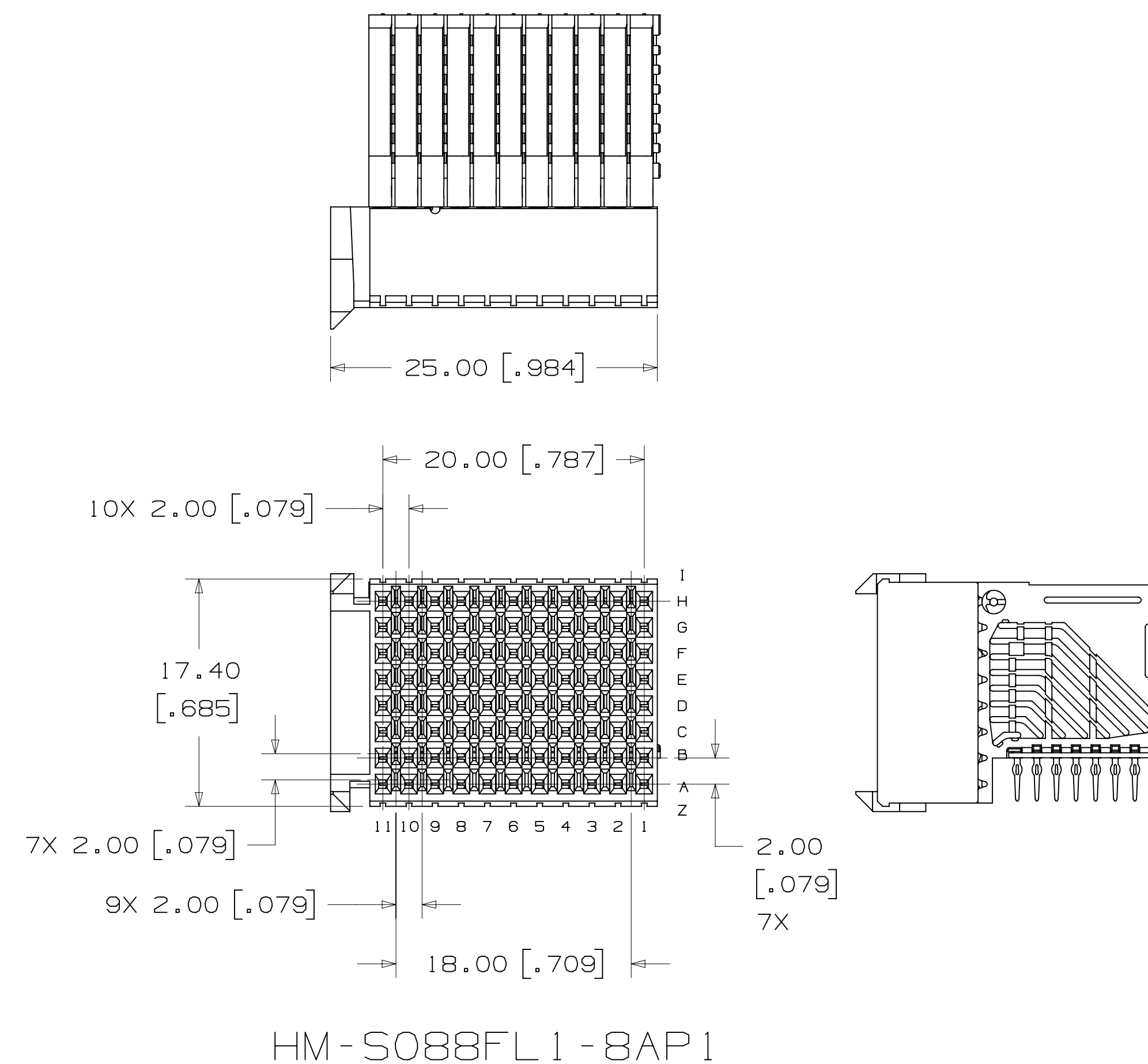
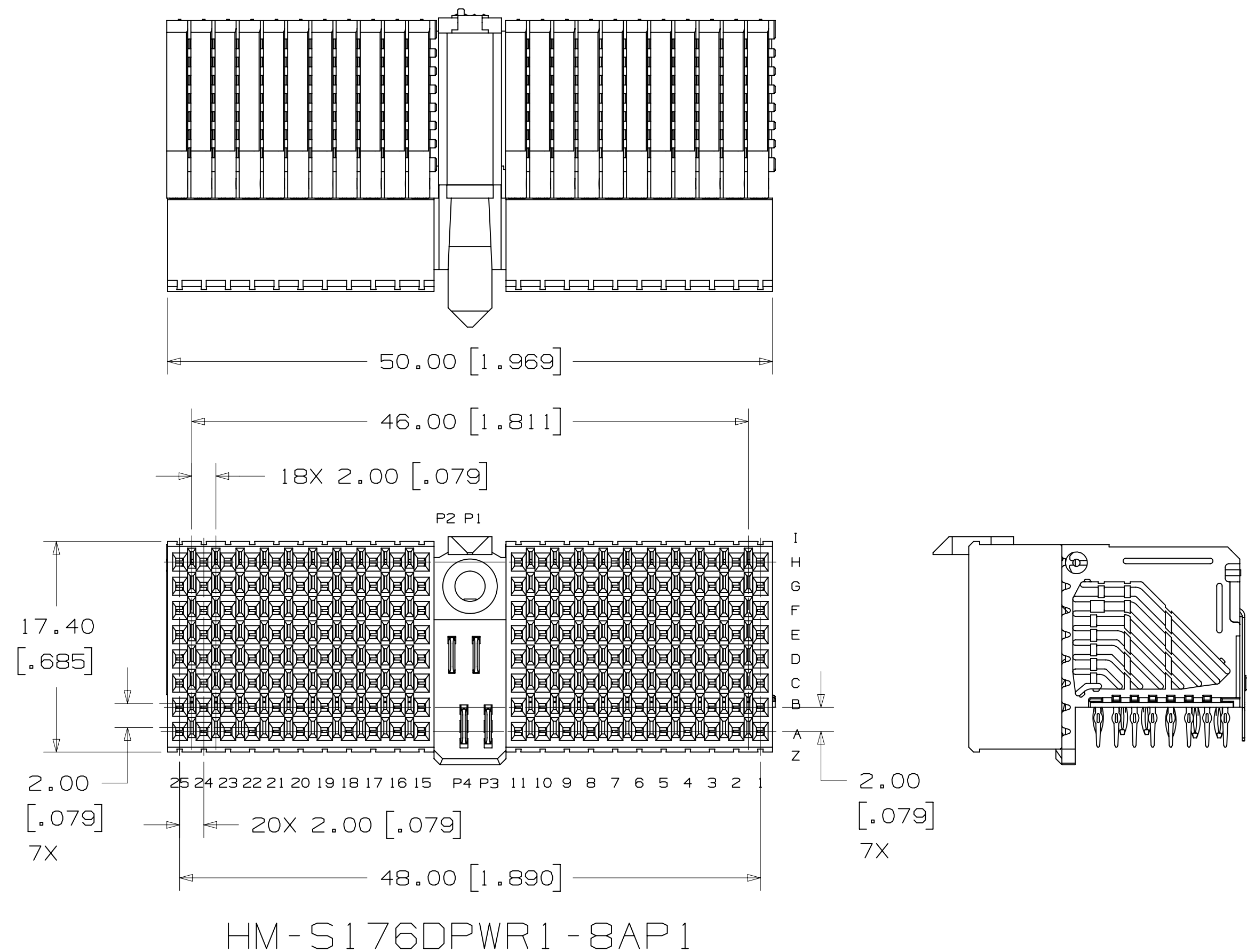
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				MAR 23, 2012		
DISTRICT CODES		CHKD	DATE	MFG DATE	DATE	
				MAR 23, 2012		
DIVISION		CHKD	DATE	APPV	DATE	
Interconnect Solutions				T. SUNIGA	MAR 26, 2012	
DO NOT SCALE DRAWING	SCALE 3/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION		INCHES		© 3M COPYRIGHT 2012 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		TITLE HM PRESS-FIT 8-ROW SOCKET CONNECTORS, HM SERIES		
MAX SURFACE ROUGHNESS		INCHES		CAGE NUMBER D 78-5100-2516-2		
SURFACES MARKED ONLY		MILLIMETERS		DRAWING NO. 78-5100-2516-2		
		ANGLES		REV. A		

78-5100-2516-2
DRAWING NUMBER

A

SHT 2 OF 4

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

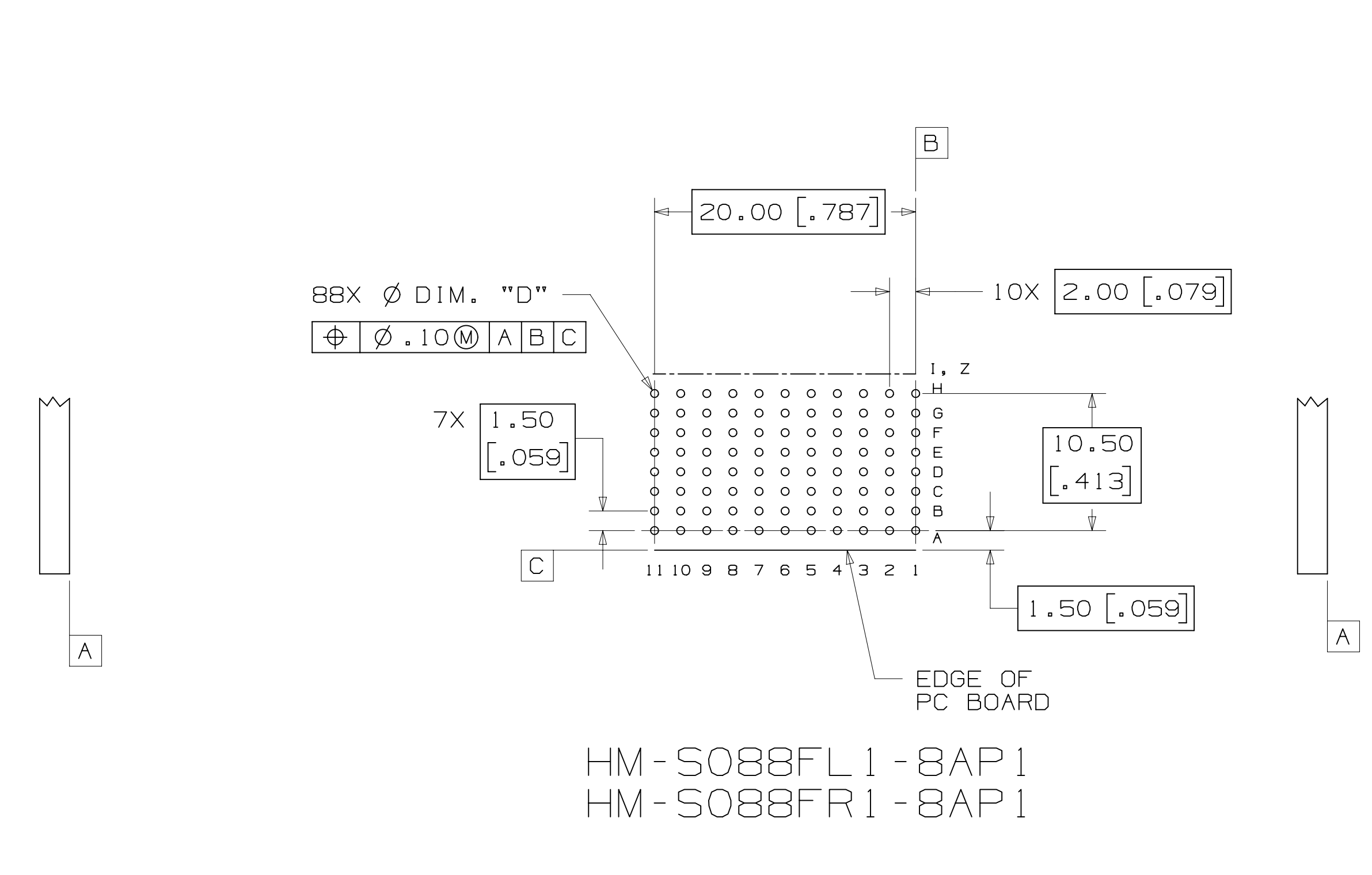
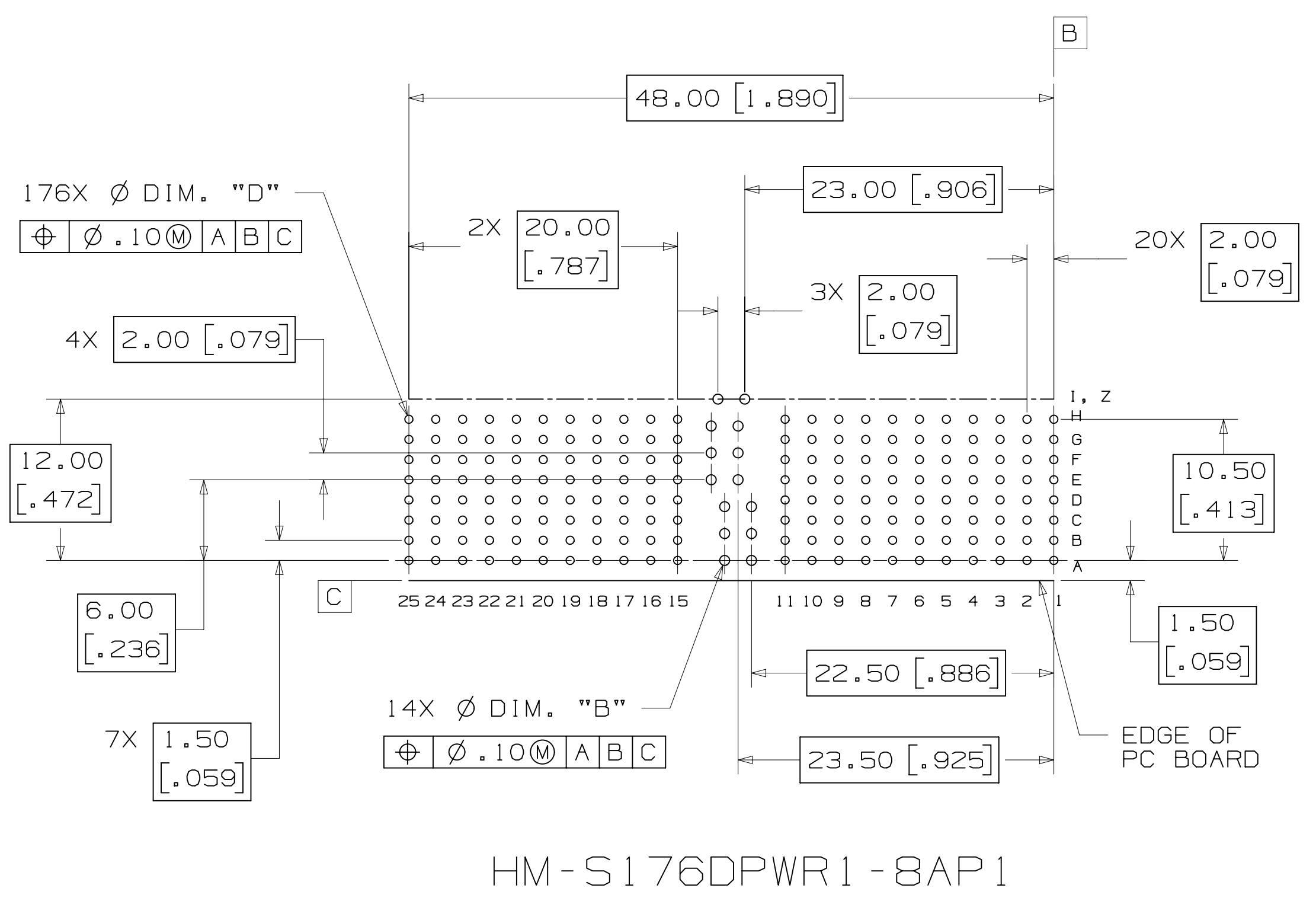
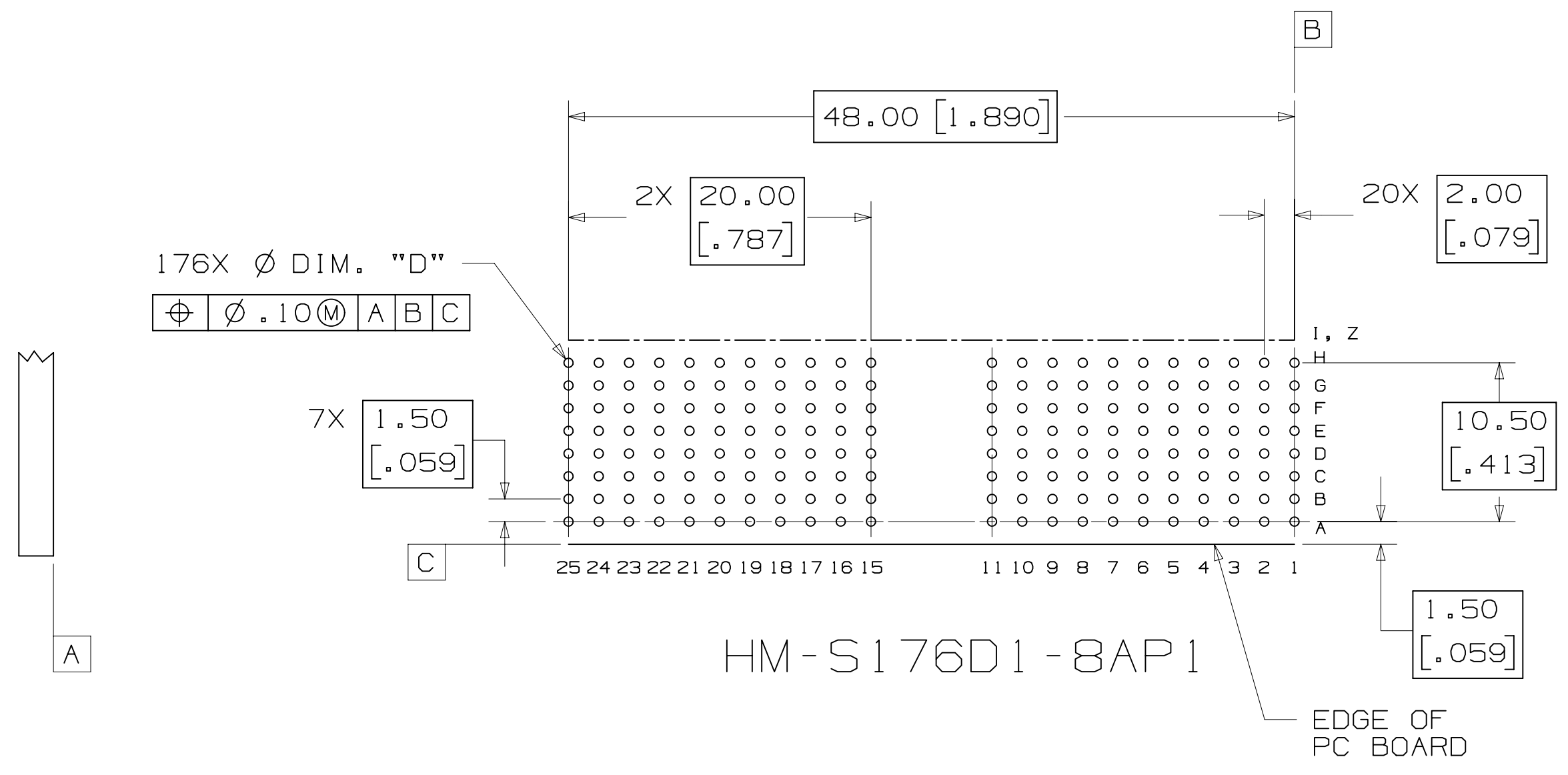
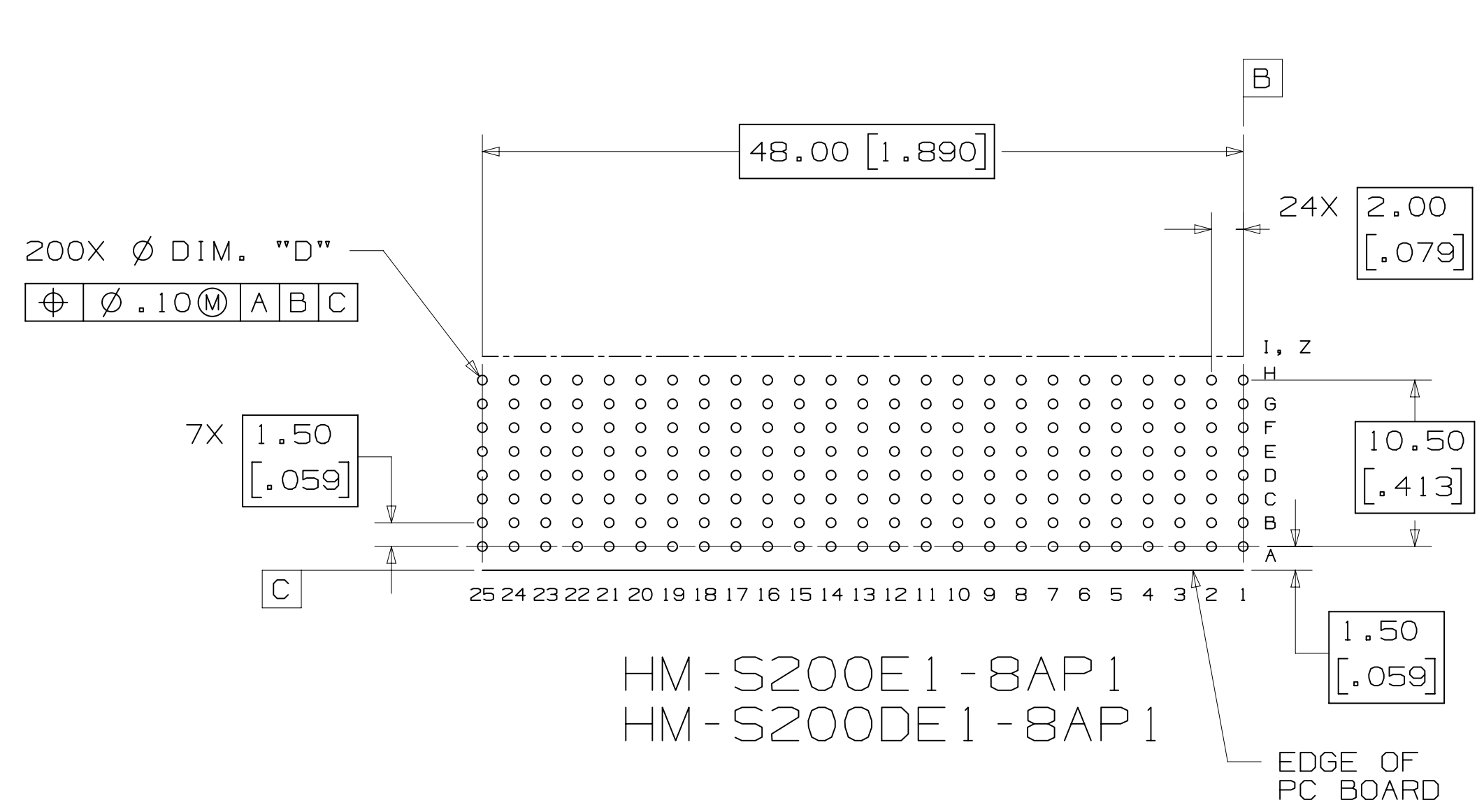


DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		A	39778	MAR 23, 2012	JNC	TS
DISTANCE CODES		OFF	CASTIGLIONE	MAR 23, 2012	DATE	
DIVISION		DATE	APPR	DATE	DATE	
Interconnect Solutions		ISD	T. SUNIGA	MAR 26, 2012		
DO NOT SCALE DRAWING	SCALE 3/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994	INCHES .0 ± .01 .000 ± .005 .0000 ±		TITLE HM PRESS-FIT 8-ROW SOCKET CONNECTORS, HM SERIES		
MAX SURFACE ROUGHNESS	DT SURFACES	MILLIMETERS 0 ± .0 ± .3 .00 ± .13 .000 ±		CAGE NUMBER D78-5100-2516-2		
MARKED ONLY	ANGLES	MODEL		REV. A SHT 3 OF 4		

78-5100-2516-2
DRAWING NUMBER

A

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



RECOMMENDED PCB MOUNTING HOLE PATTERN
(VIEWED FROM COMPONENT SIDE)

HOLE PLATING TABLE				
HOLE	(FINISHED HOLE)	Cu THICKNESS	SnPb THICKNESS	DRILLED HOLE DIA.
DIM. "B"	.690-.790 [.0270-.0310]	.025-.045 [.0010-.0018]	.008-.018 [.0003-.0007]	.810-.860 [.0320-.0340]
DIM. "D"	.550-.650 [.0217-.0256]	.025-.045 [.0010-.0018]	.008-.018 [.0003-.0007]	.686-.727 [.0270-.0286]

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				MAR 23, 2012		
DIVISION		DIVISION CODE		DATE		
Interconnect Solutions		ISD		MAR 23, 2012		
DO NOT SCALE DRAWING	SCALE 3/1	TOLERANCES EXCEPT AS NOTED		DATE		
THIRD ANGLE PROJECTION		INCHES		DATE		
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		DATE		
MAX SURFACE ROUGHNESS		INCHES		DATE		
SURFACES		MILLIMETERS		DATE		
MARKED ONLY		ANGLES		DATE		
CAGE NUMBER		DRAWING NO.		REV.		
D78-5100-2516-2		A		A		
MODEL		SHT		4 OF 4		

DRAWING NUMBER 78-5100-2516-2

REVISION A

SHT 4 OF 4



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);
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- 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

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.