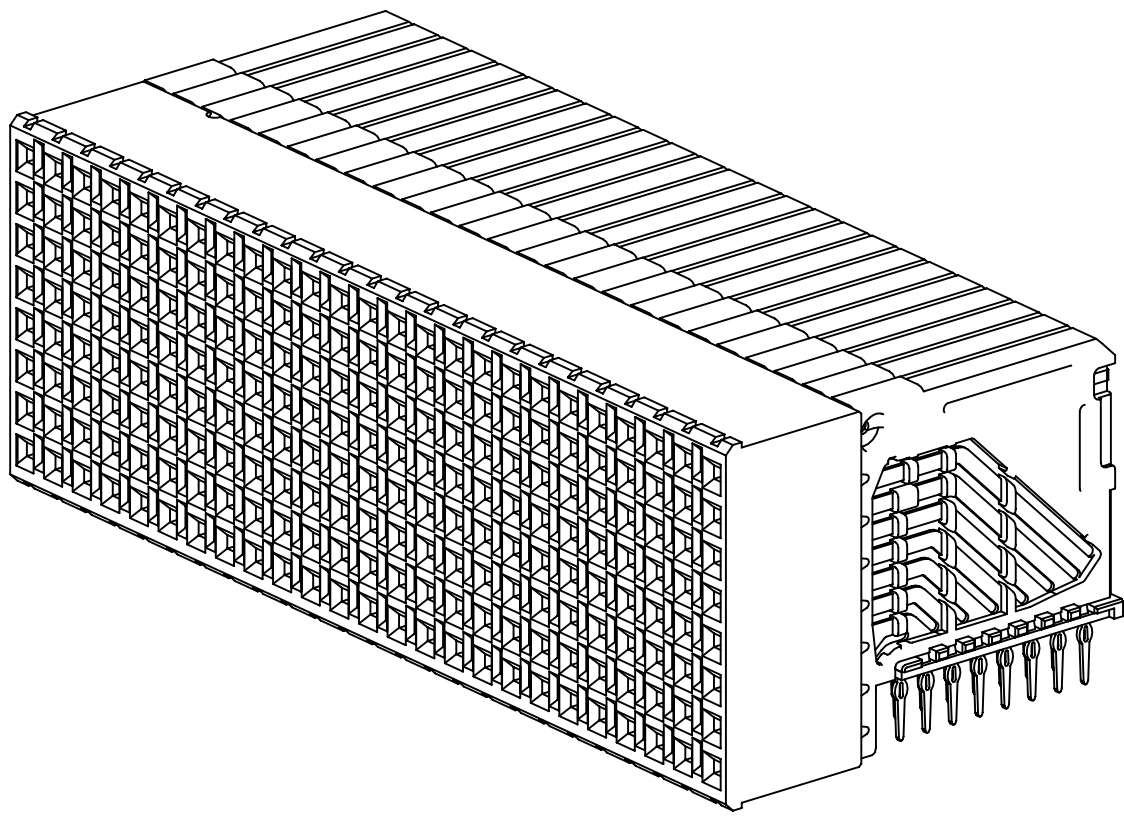


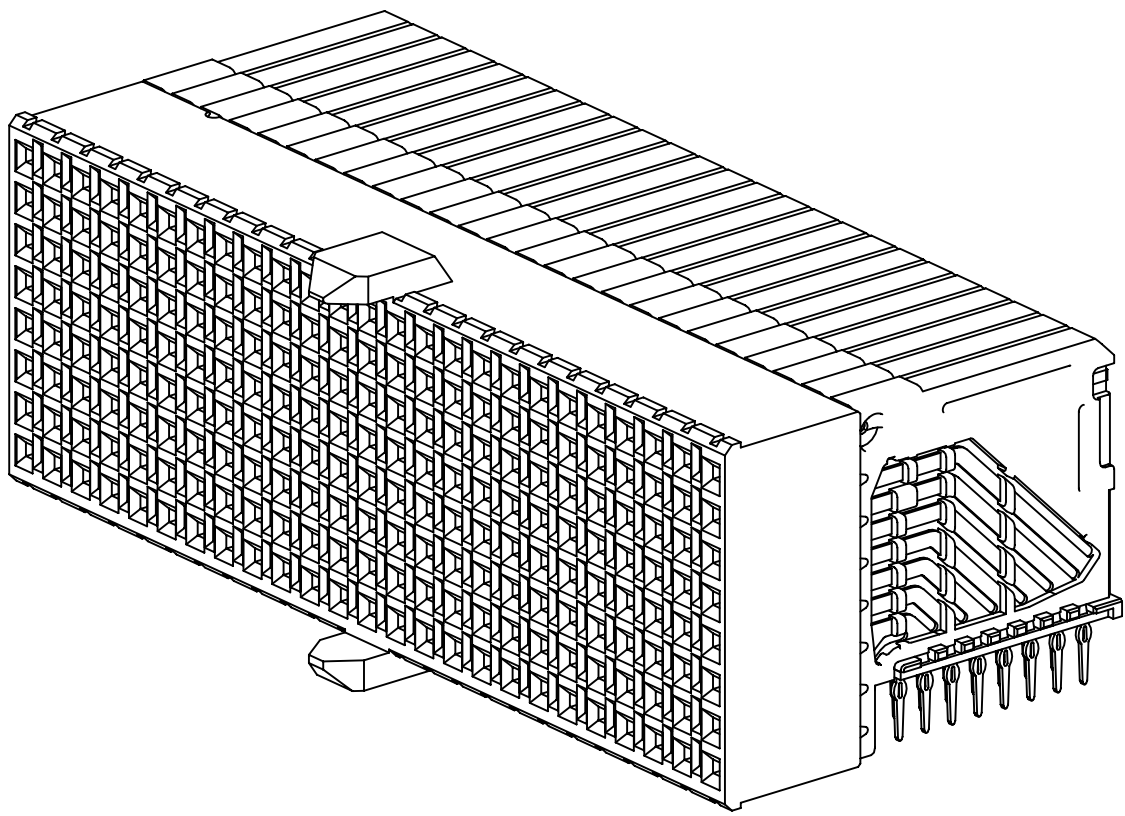
3M™ HM PRESS-FIT SOCKET, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS

- * 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.

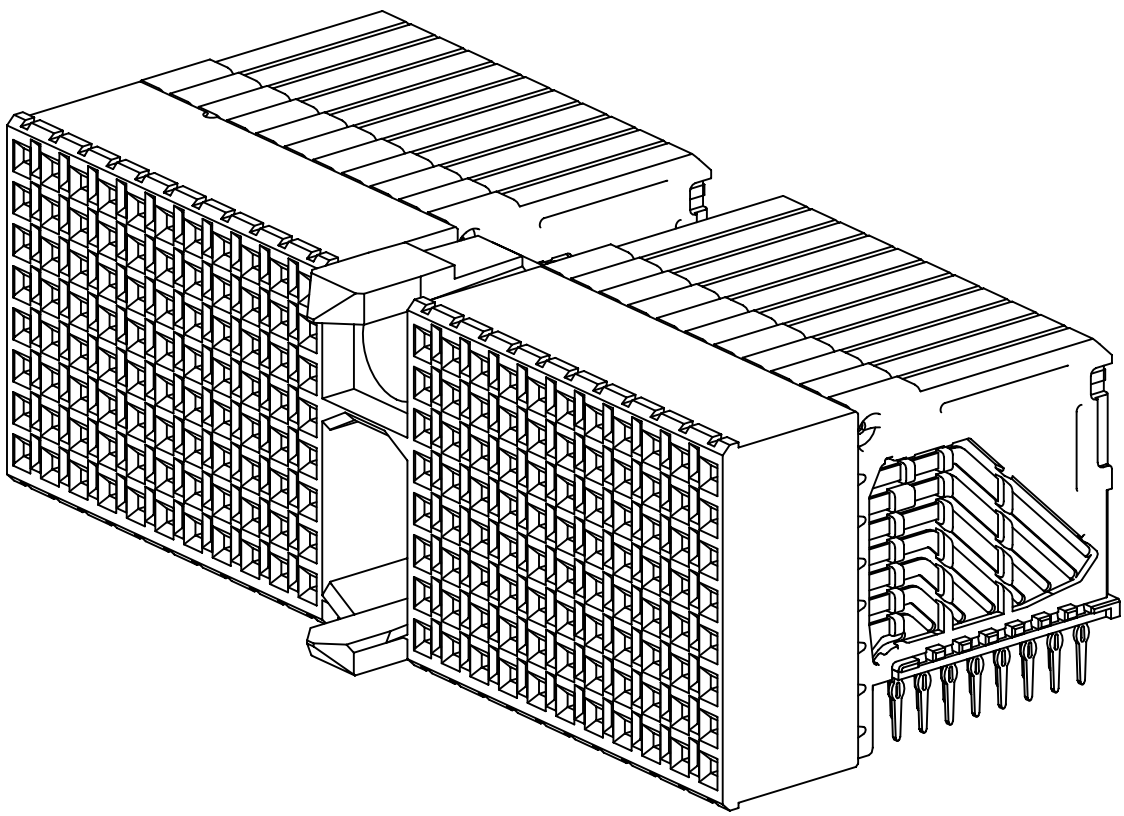
- NOTES
1. MATERIAL:
PLASTIC: HIGH TEMP LCP,
UL94V-0
CONTACTS: COPPER ALLOY.
2. REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE REGULATORY
INFORMATION APPENDIX (RIA) IN THE
"ROHS COMPLIANCE" SECTION OF
WWW.3MCONNECTORS.COM FOR COMPLIANCE
INFORMATION (RIA E1 & C1 APPLY)
3. IN THE EVENT OF CONFLICT
BETWEEN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



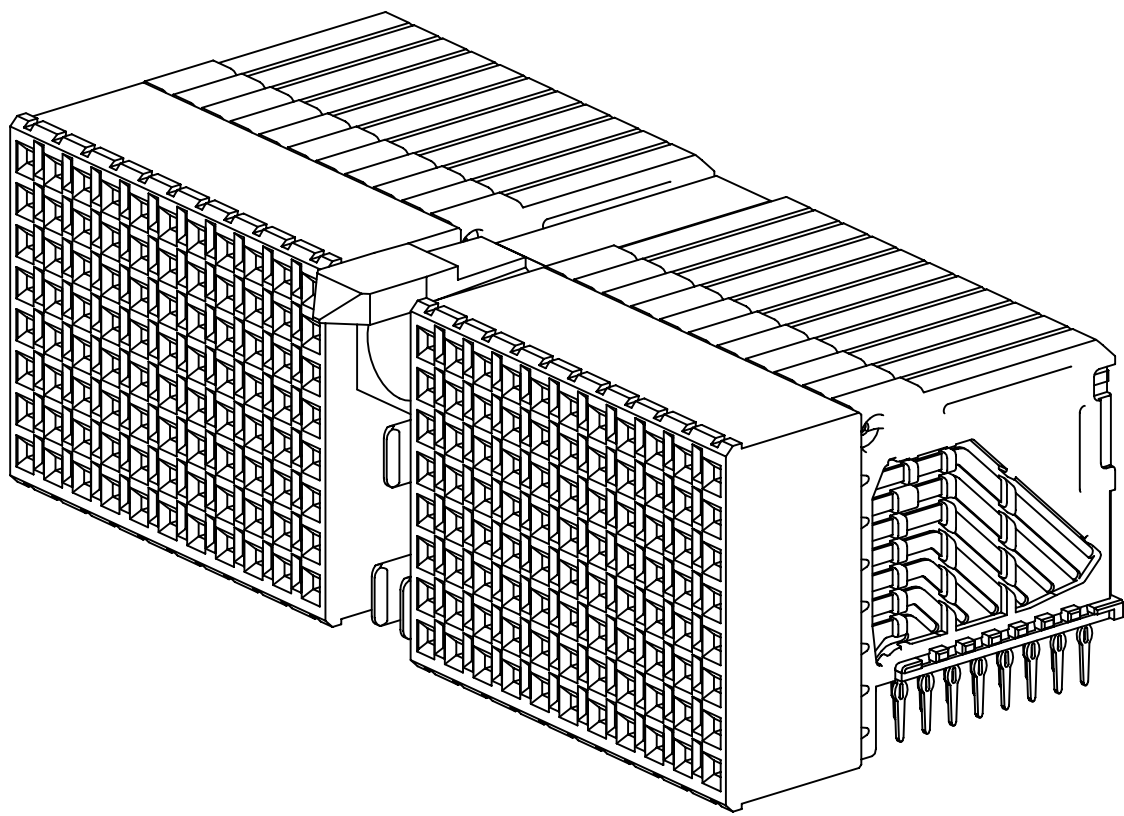
HM-S200E1-8AP1



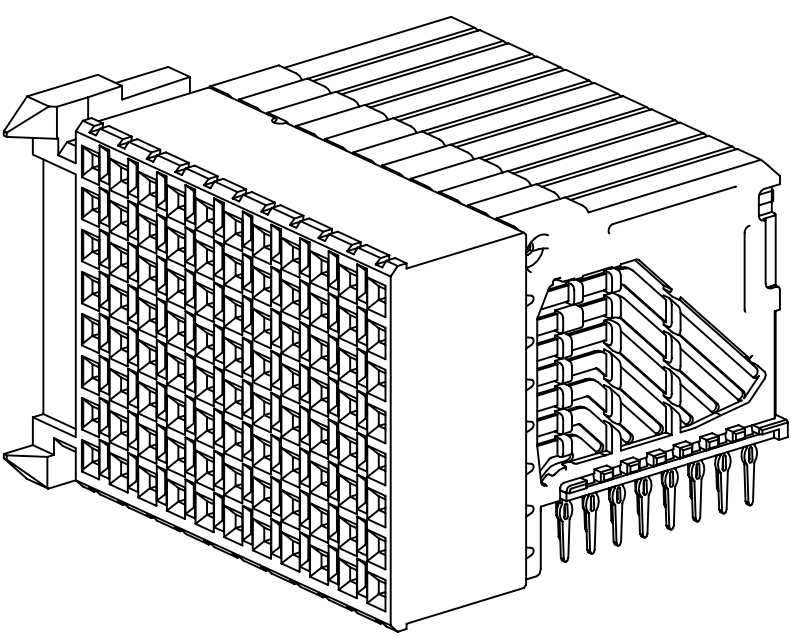
HM-S200DE1-8AP1



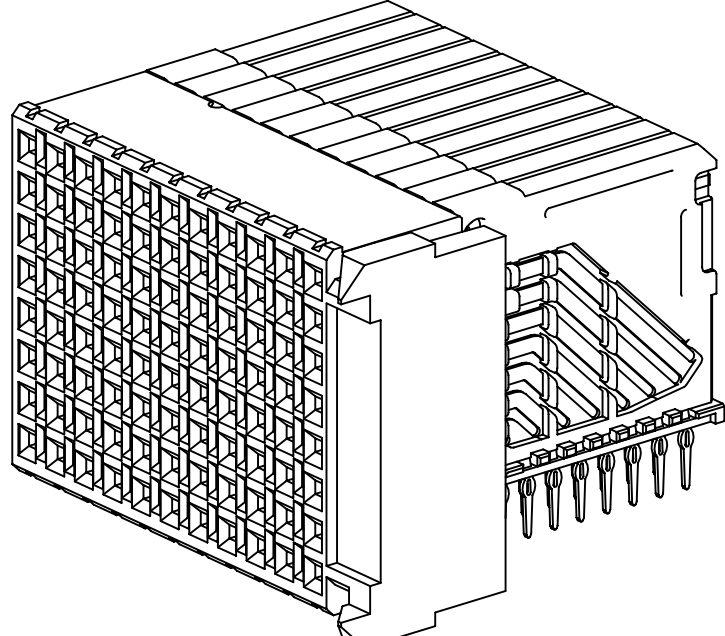
HM-S176D1-8AP1



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 & 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>

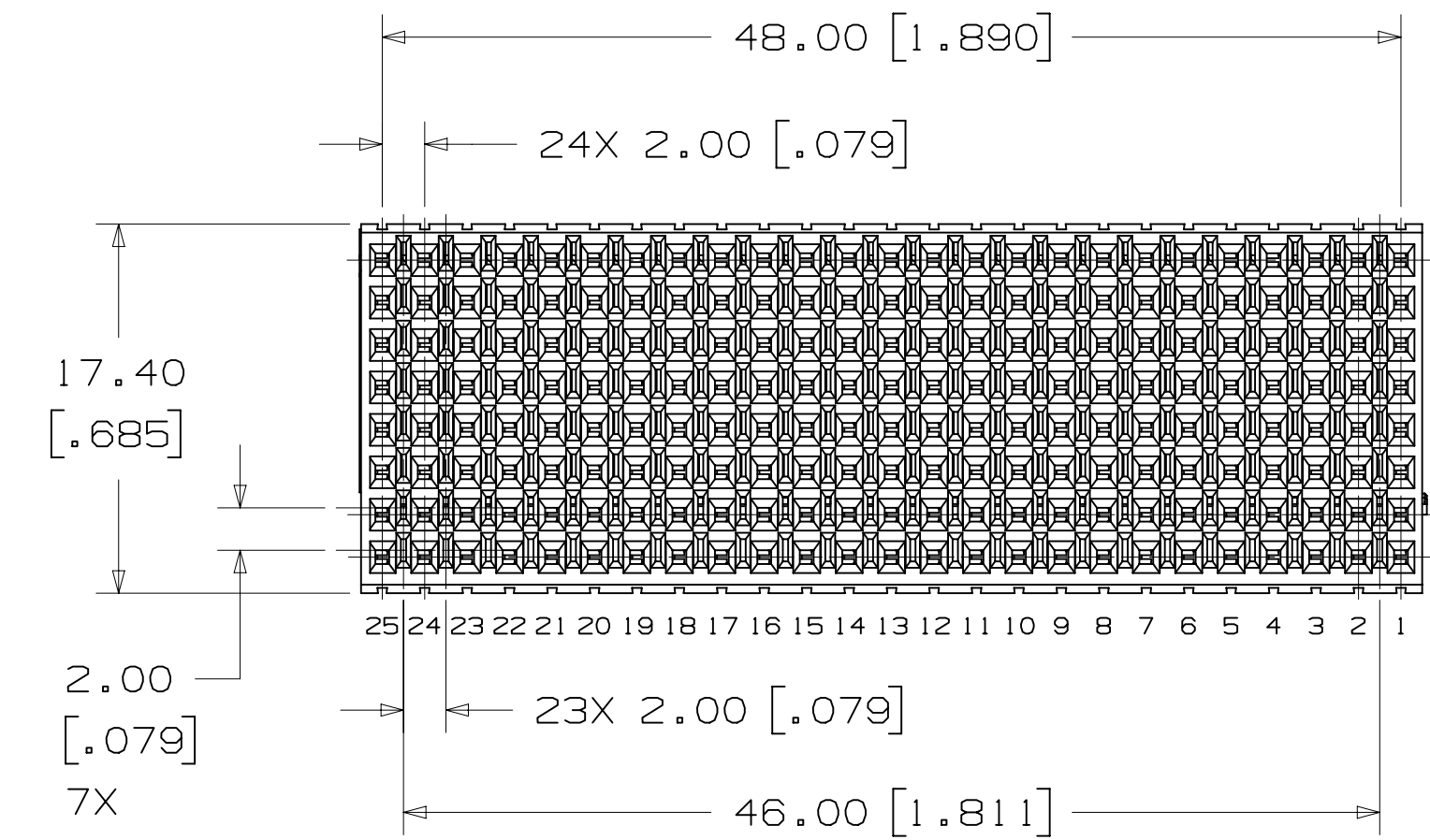
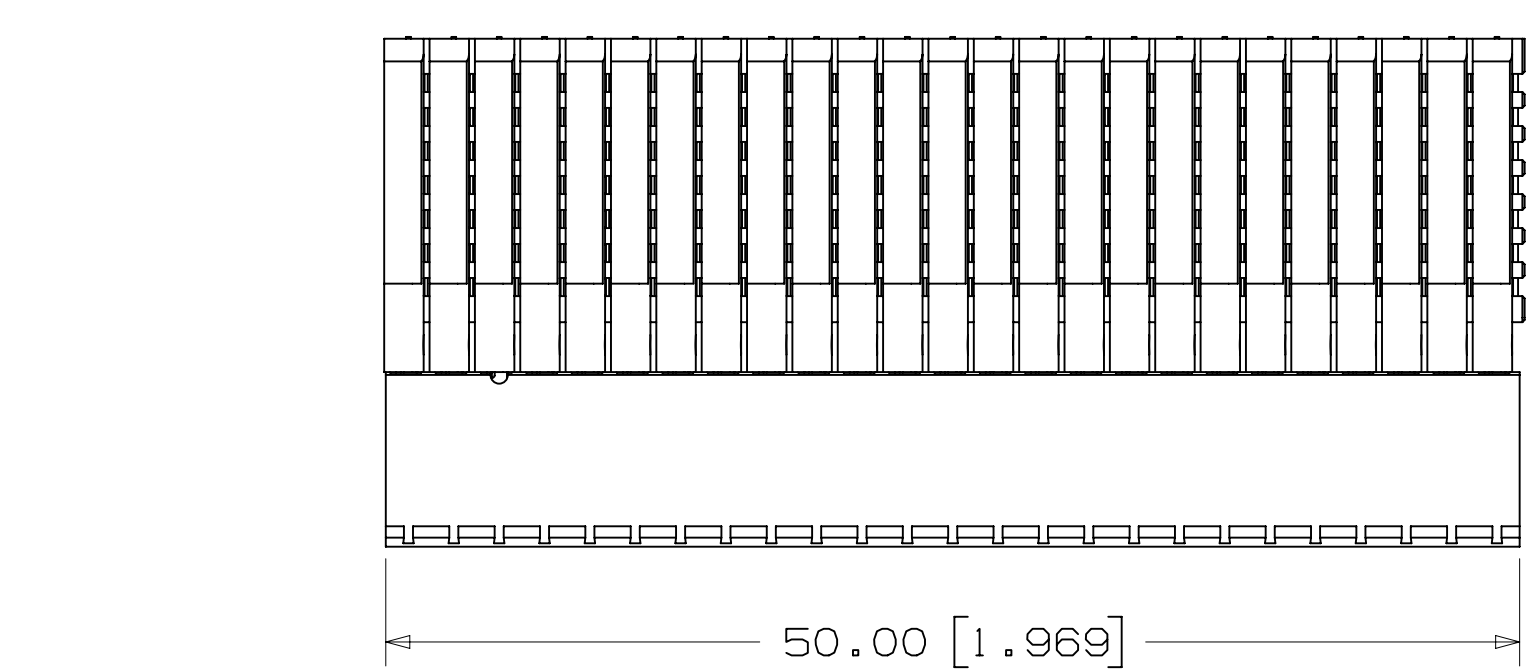
3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

UL
UL FILE NO: E68080

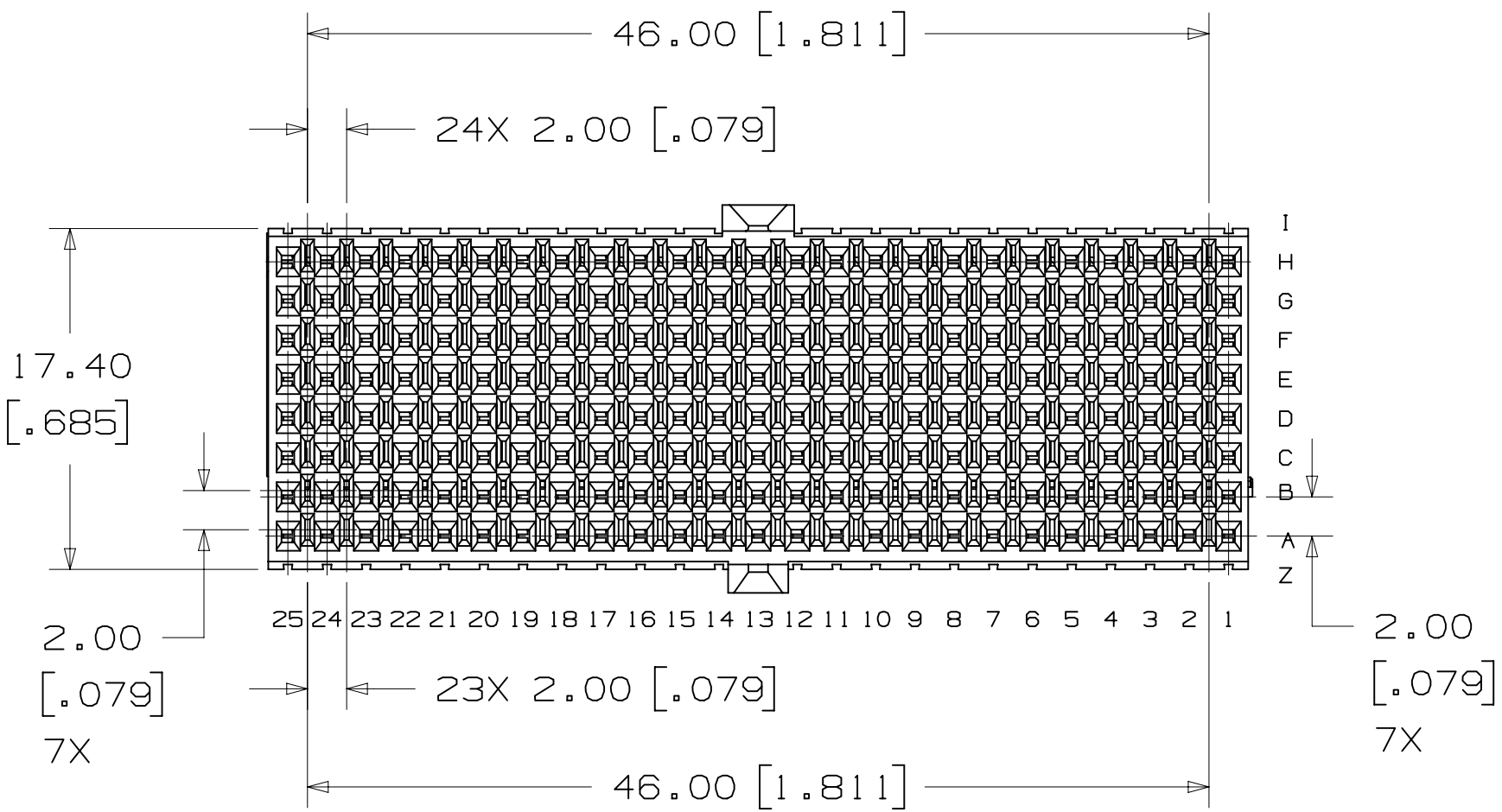
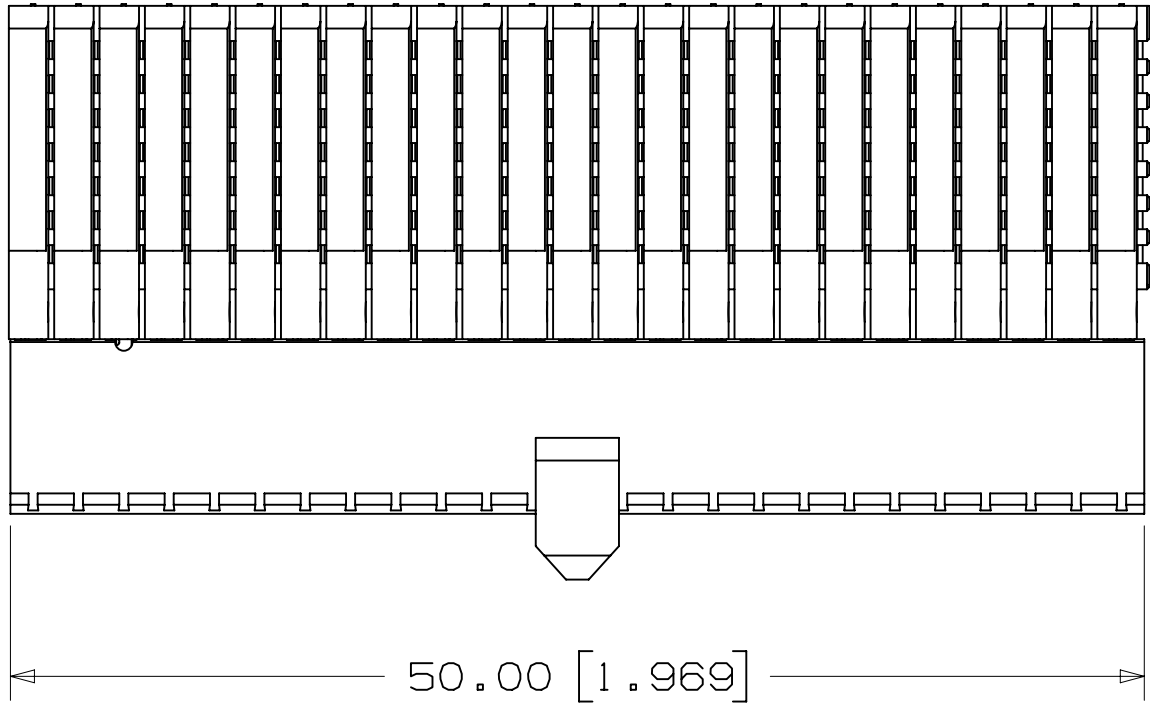
DIMENSIONS: MM [INCHES]

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DIST. REF. CODE		DIST. REF. CODE		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DIVISION		DIVISION CODE		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
Interconnect Solutions		ISD		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DO NOT SCALE DRAWING		SCALE 3 1		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
THIRD ANGLE PROJECTION		TOLERANCES EXCEPT AS NOTED		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
INTERPRET PER ASME Y14.5 - 1994		TOLERANCES EXCEPT AS NOTED		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
MAX SURFACE ROUGHNESS		TOLERANCES EXCEPT AS NOTED		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
SURFACES		TOLERANCES EXCEPT AS NOTED		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
MARKED ONLY		TOLERANCES EXCEPT AS NOTED		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
ANGLES		TOLERANCES EXCEPT AS NOTED		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
TITLE		3M		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
HMC Center		3M		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
St. Paul, MN 55144		3M		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
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CAGE NUMBER		SIZE		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
D		78-5100-2516-2		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
MODEL		DET		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
SHT 1 OF 4		SHT 1 OF 4		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD

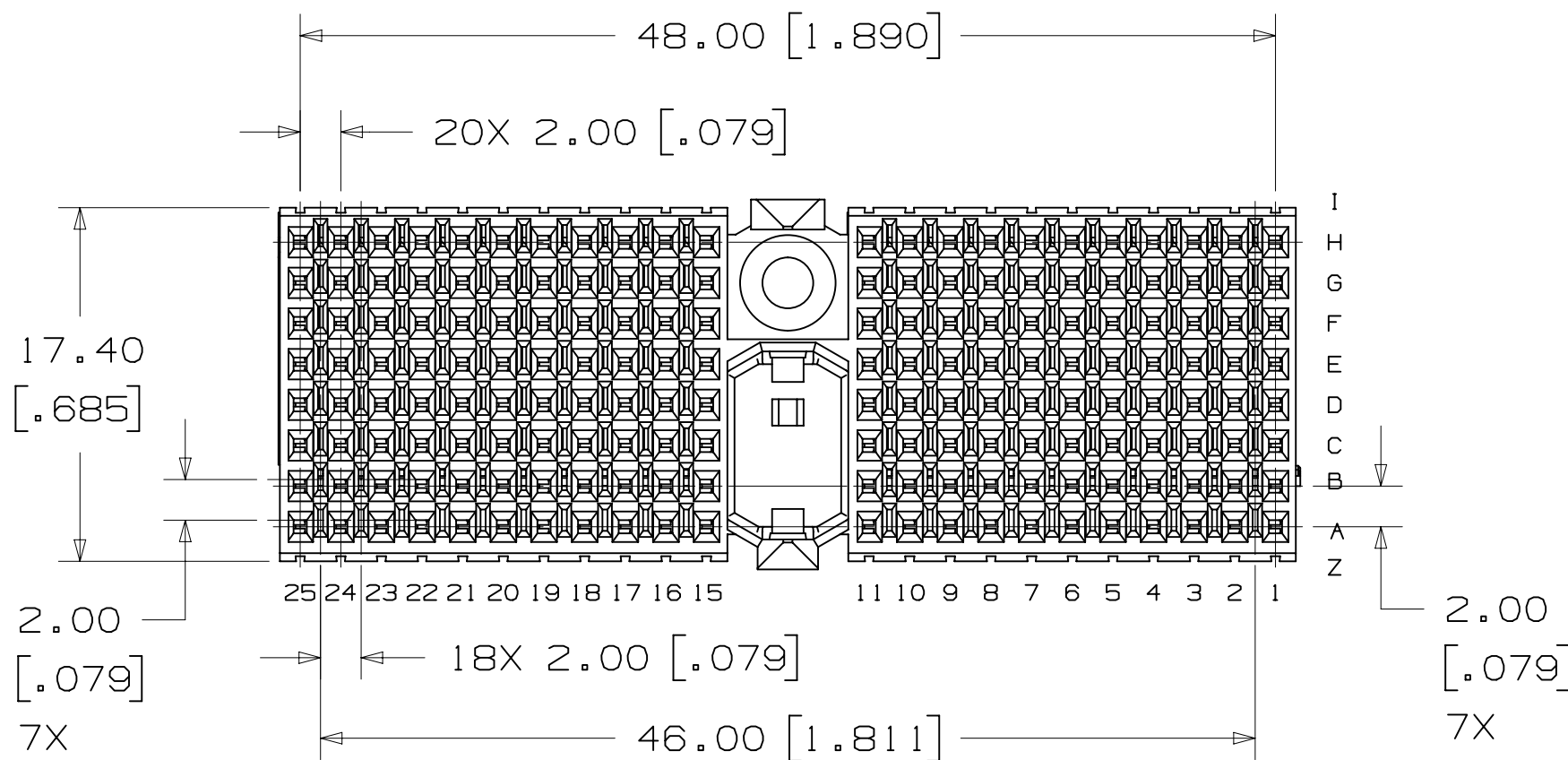
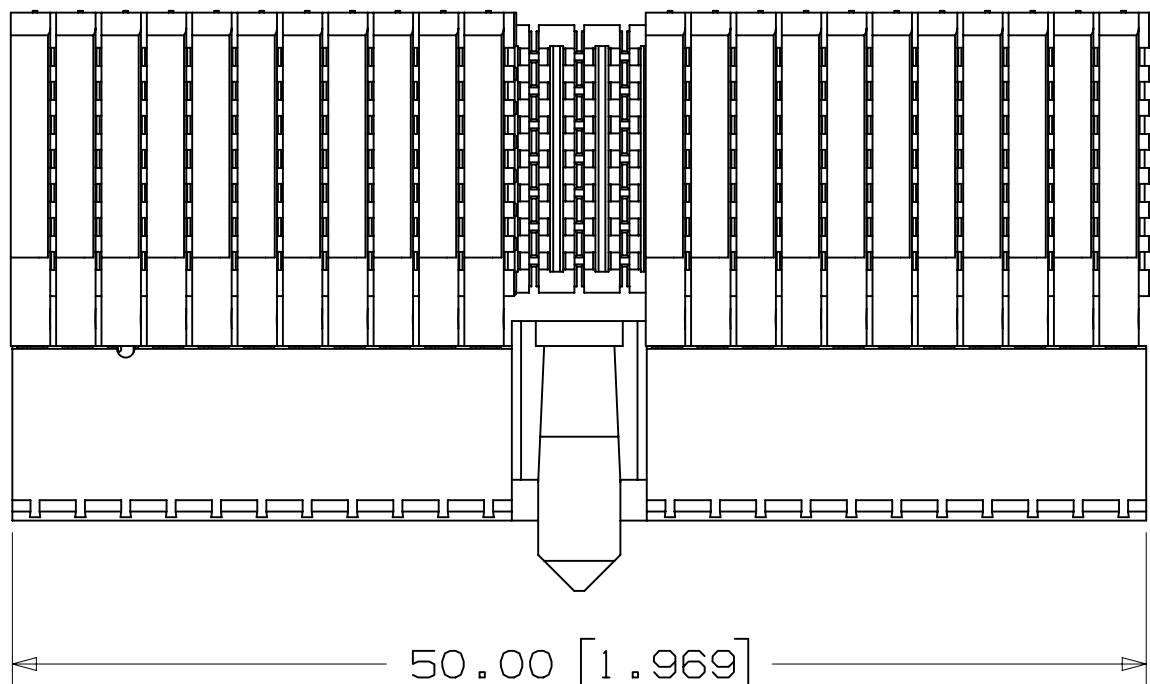
3M™ HM PRESS-FIT SOCKET, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS



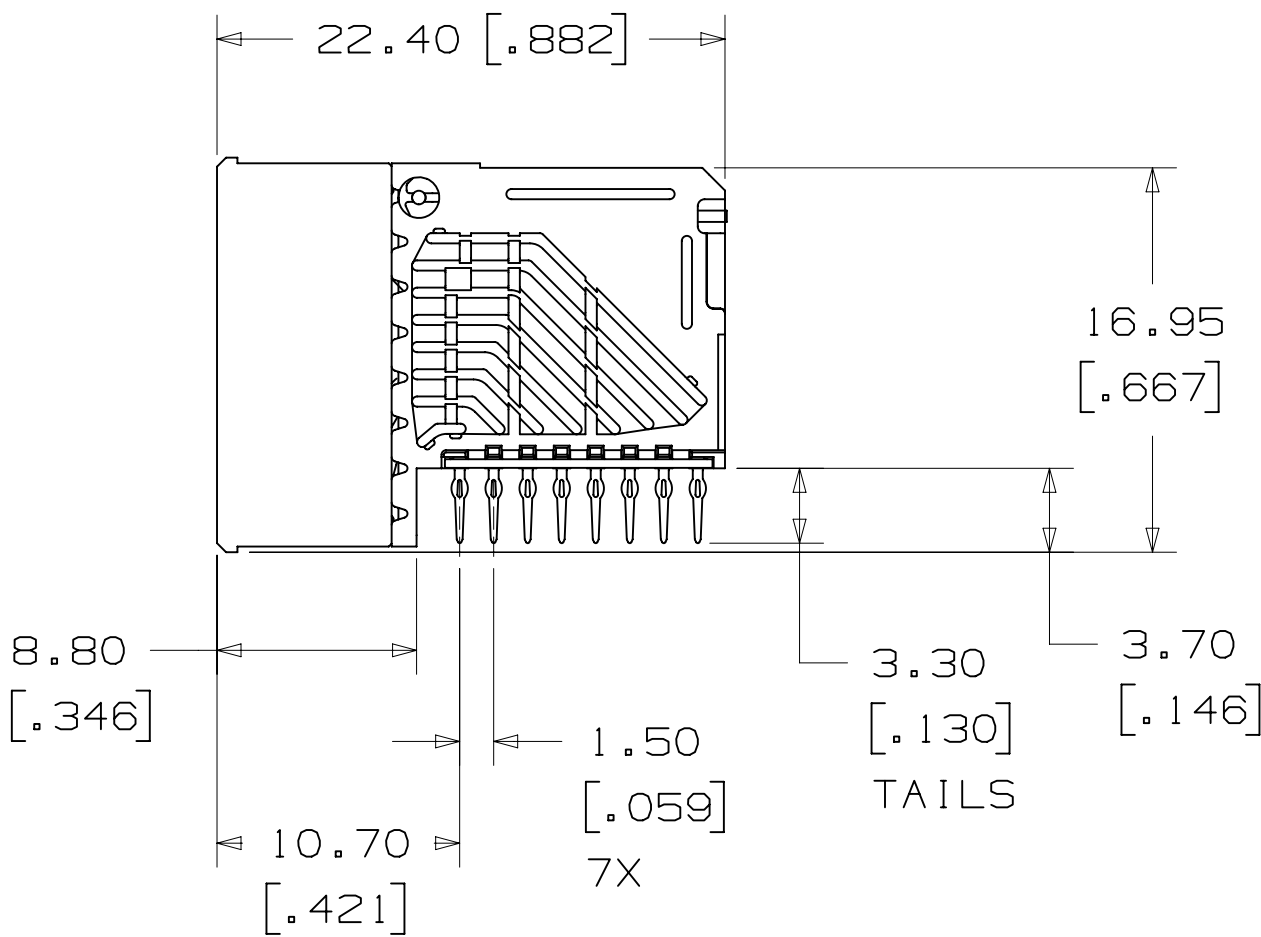
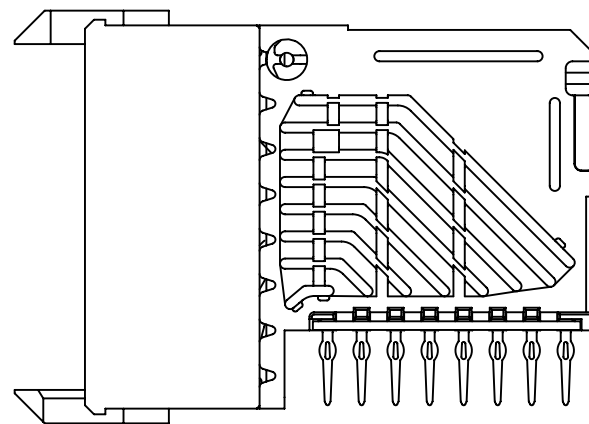
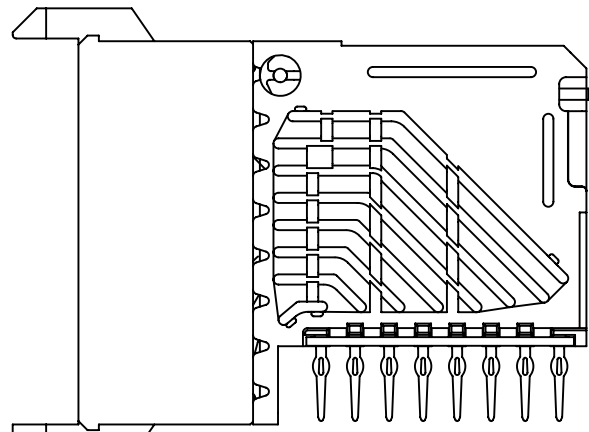
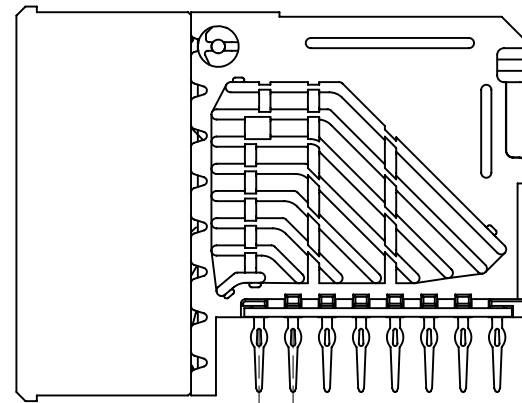
HM-S200E1-8AP1



HM-S200DE1-8AP1



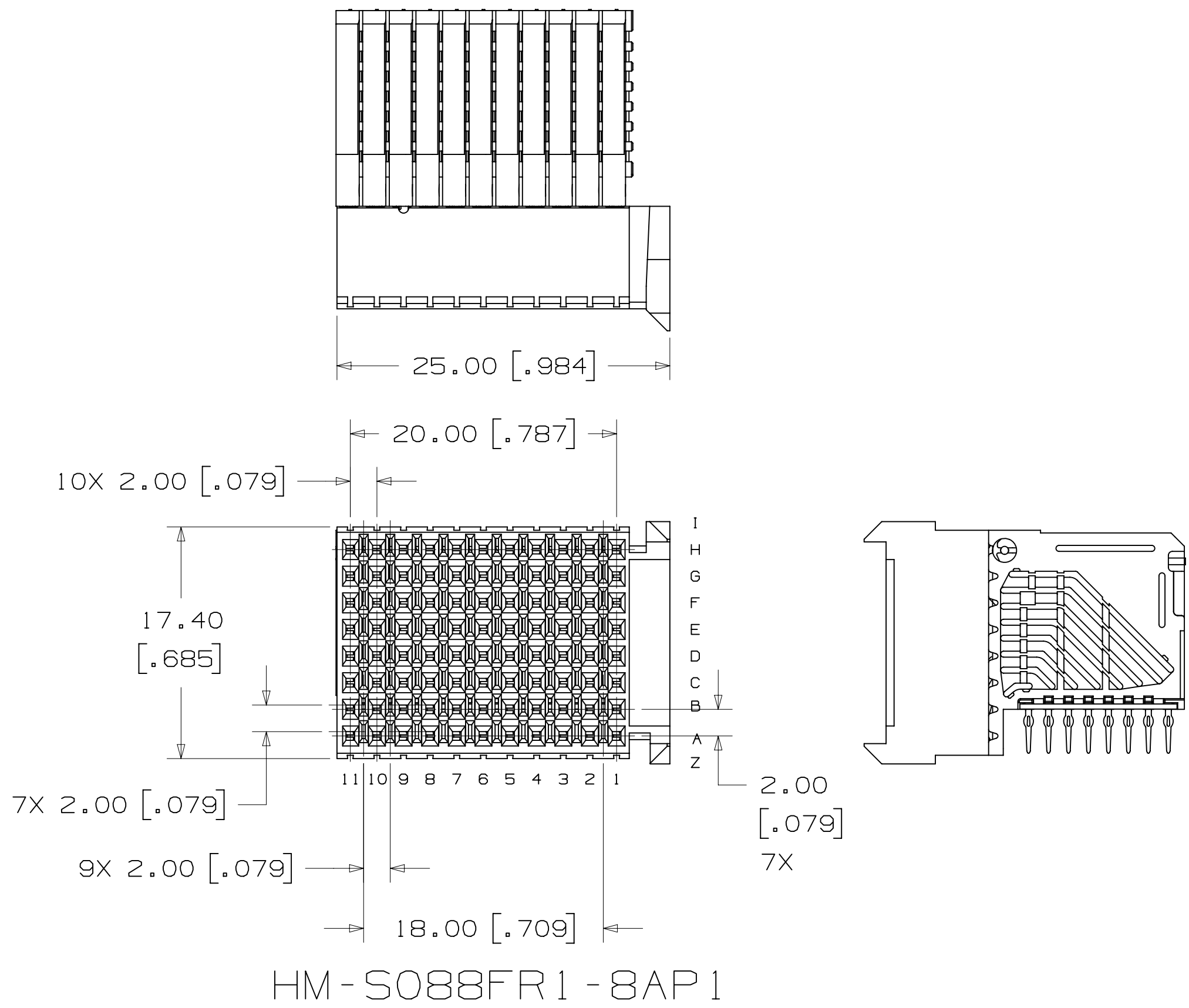
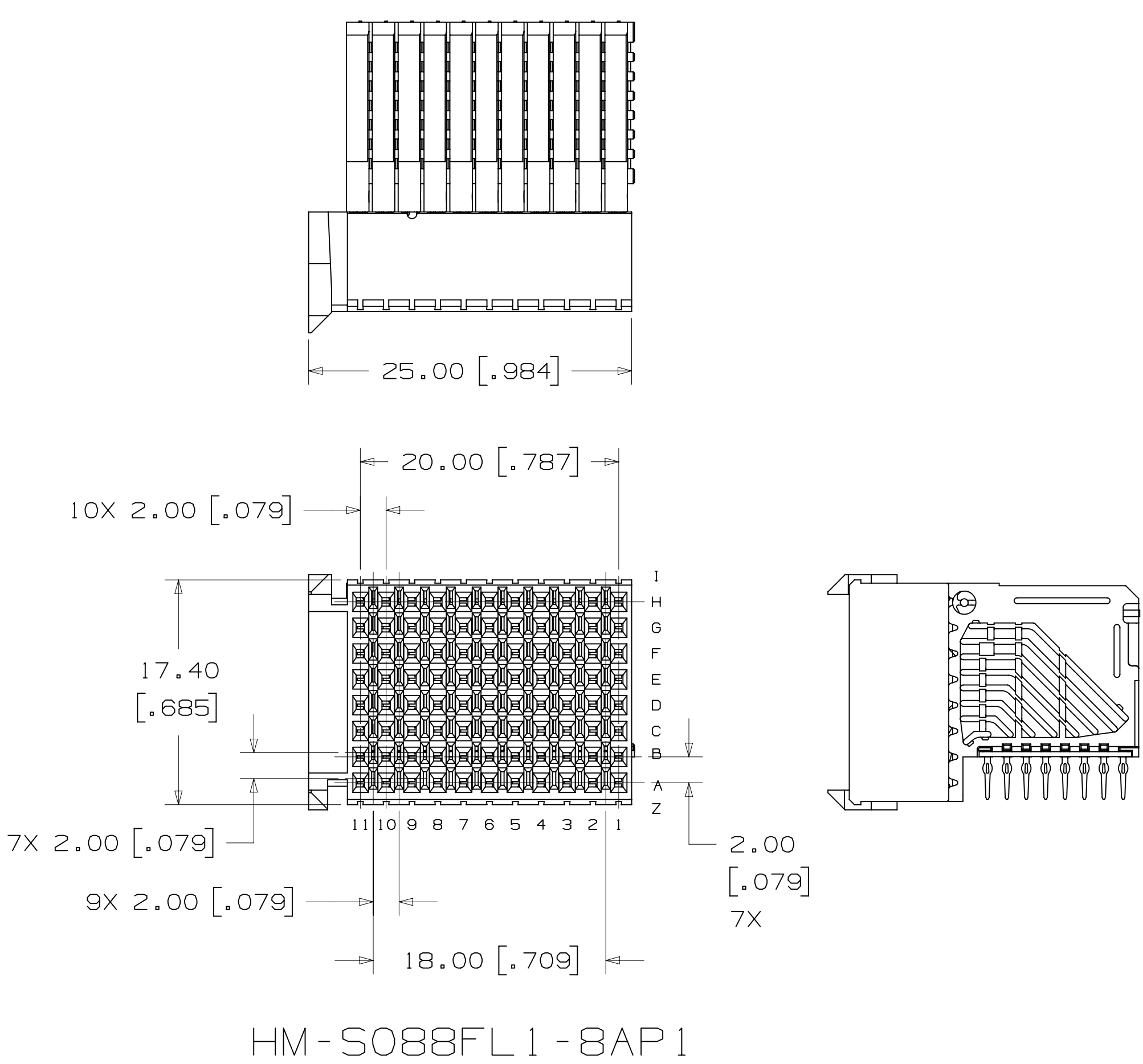
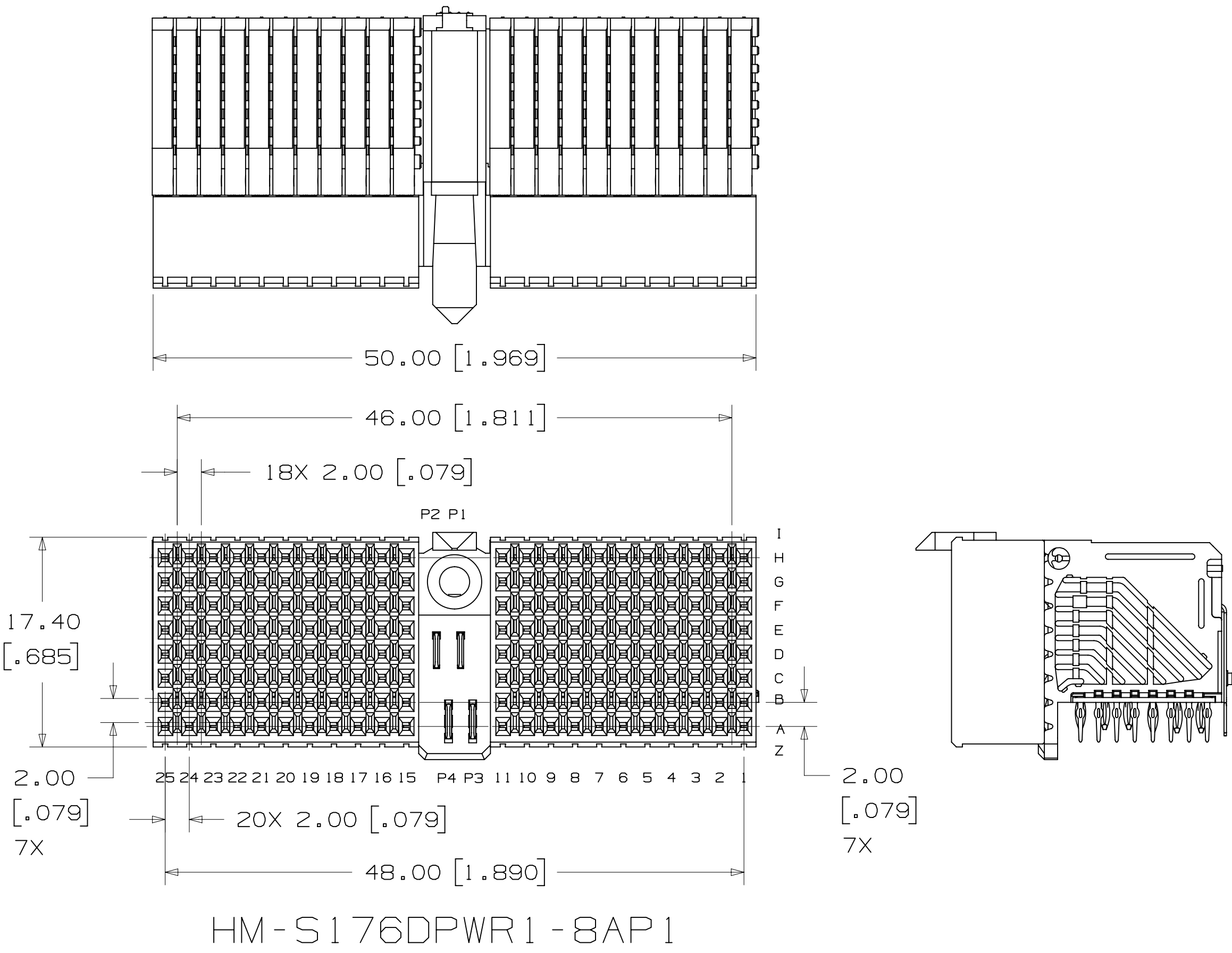
HM-S176D1-8AP1



TYPICAL SIDE VIEW
DIMENSIONS FOR THE
SOCKETS ON THIS DRAWING

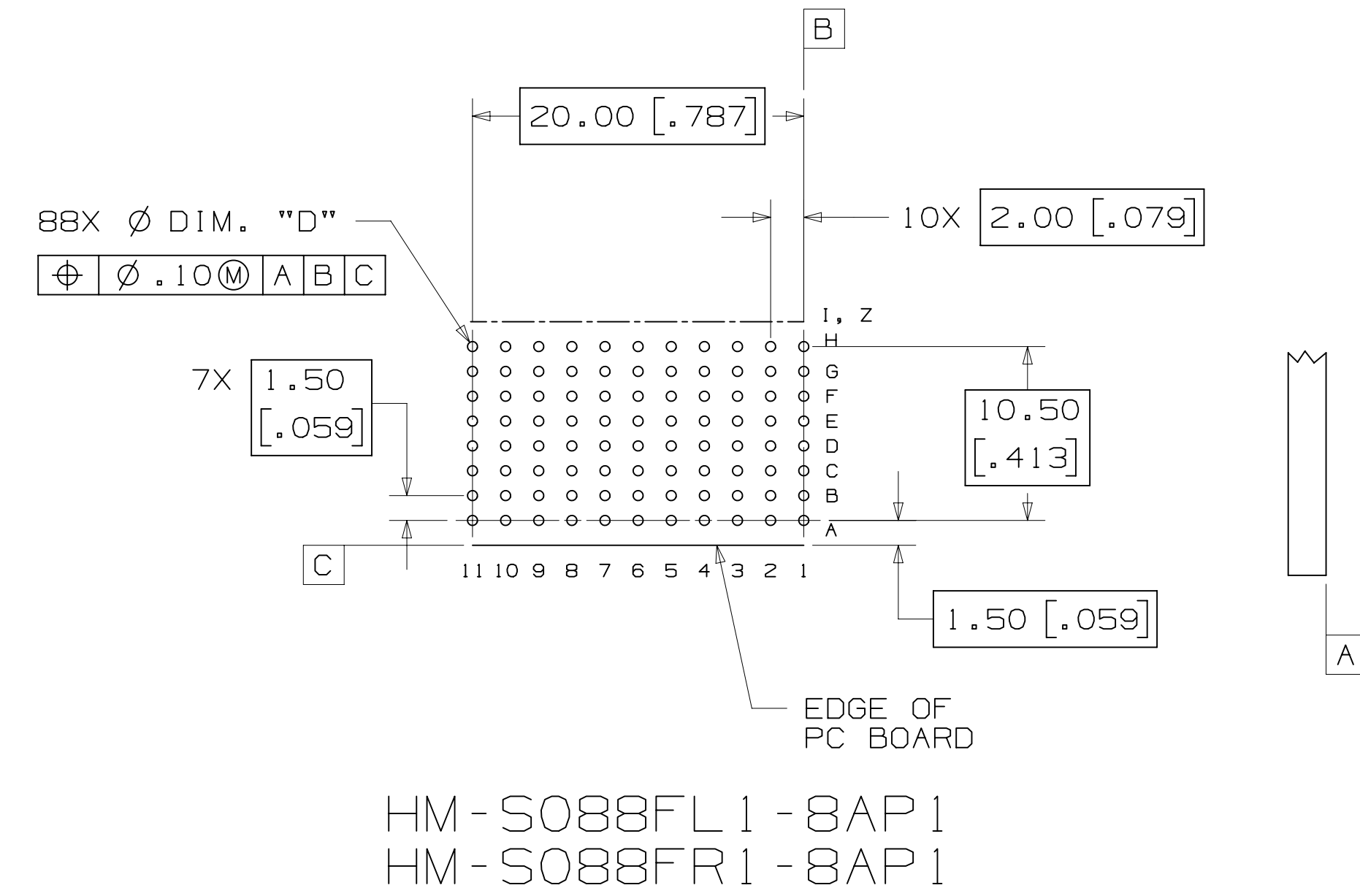
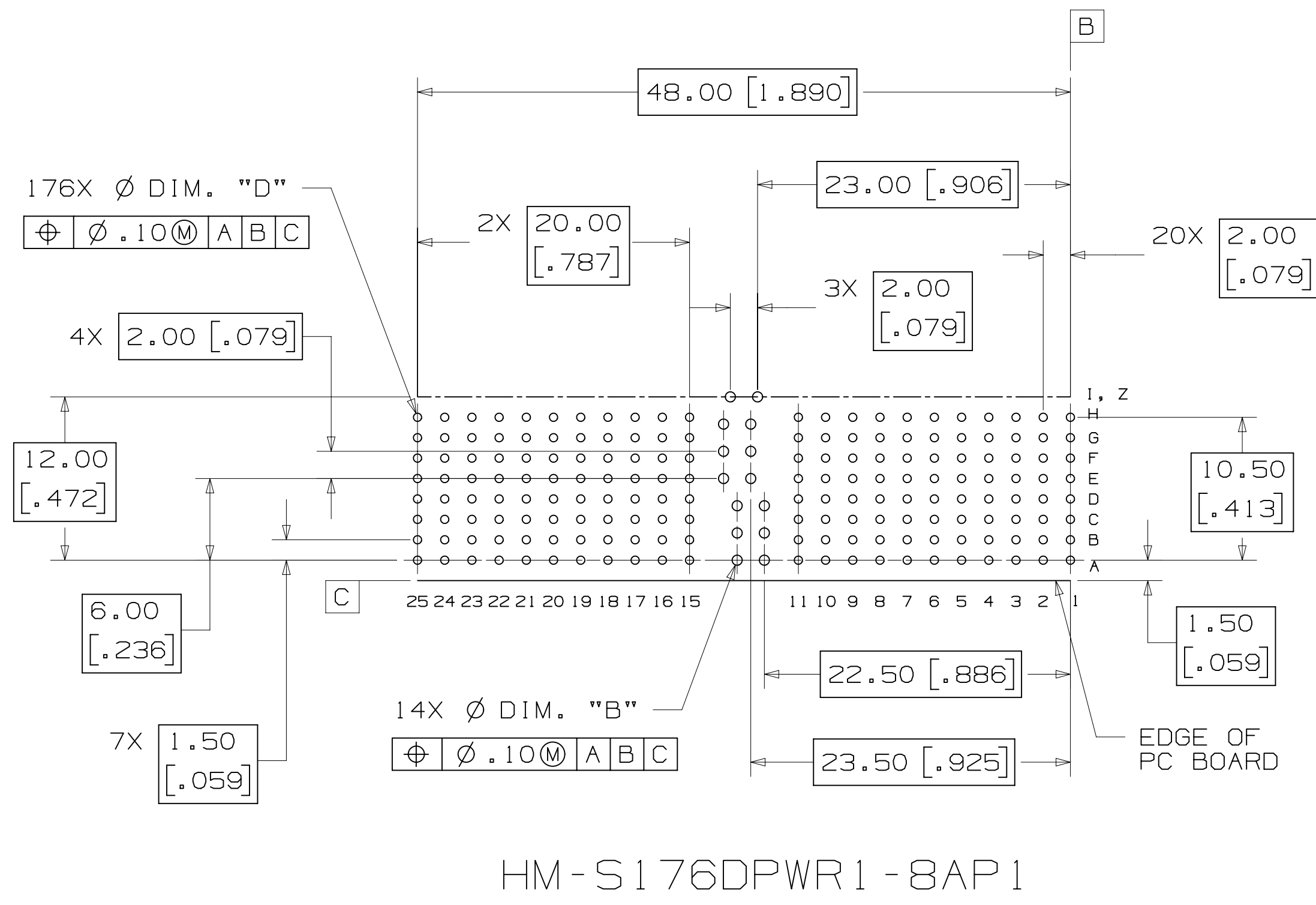
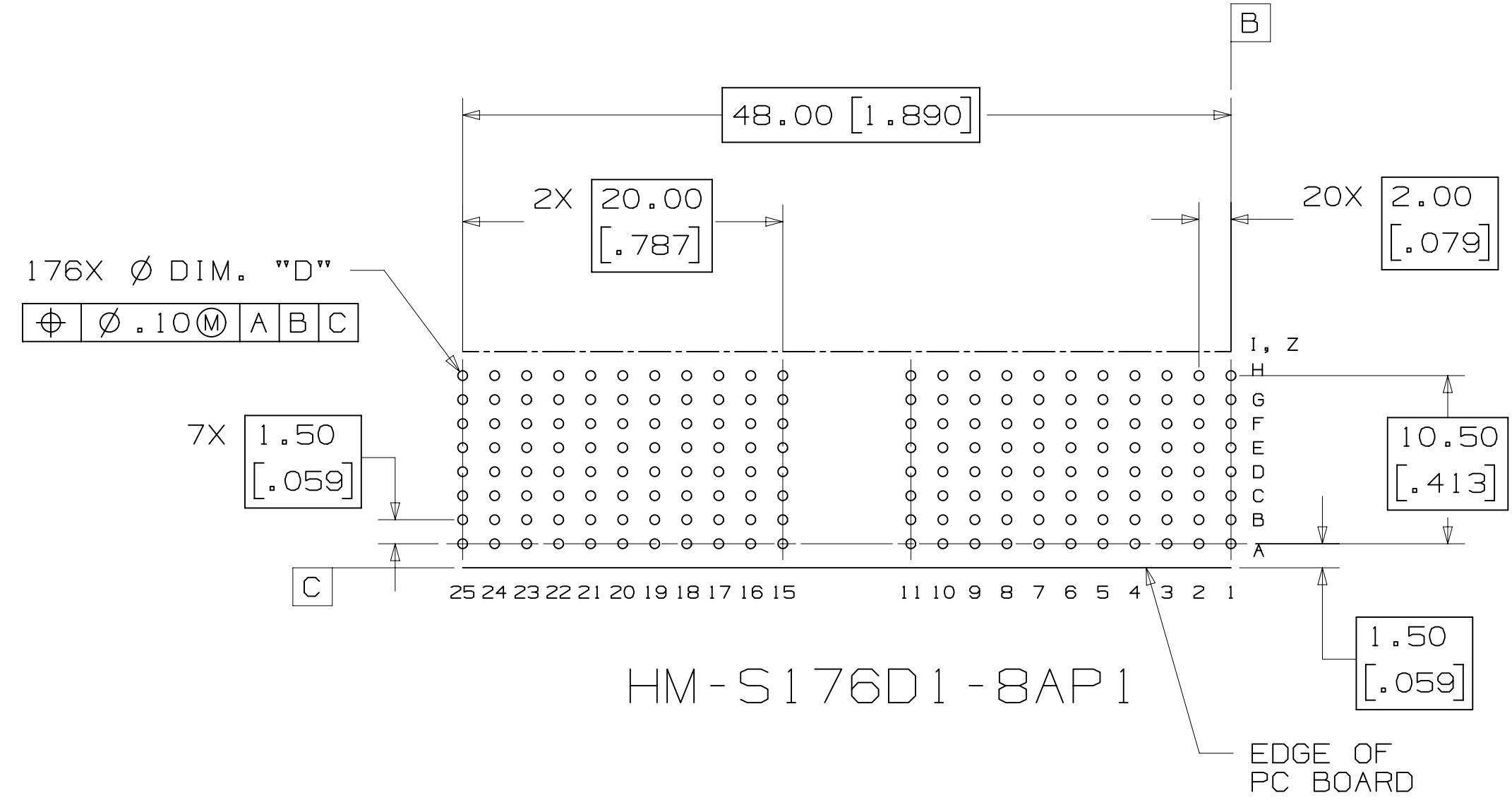
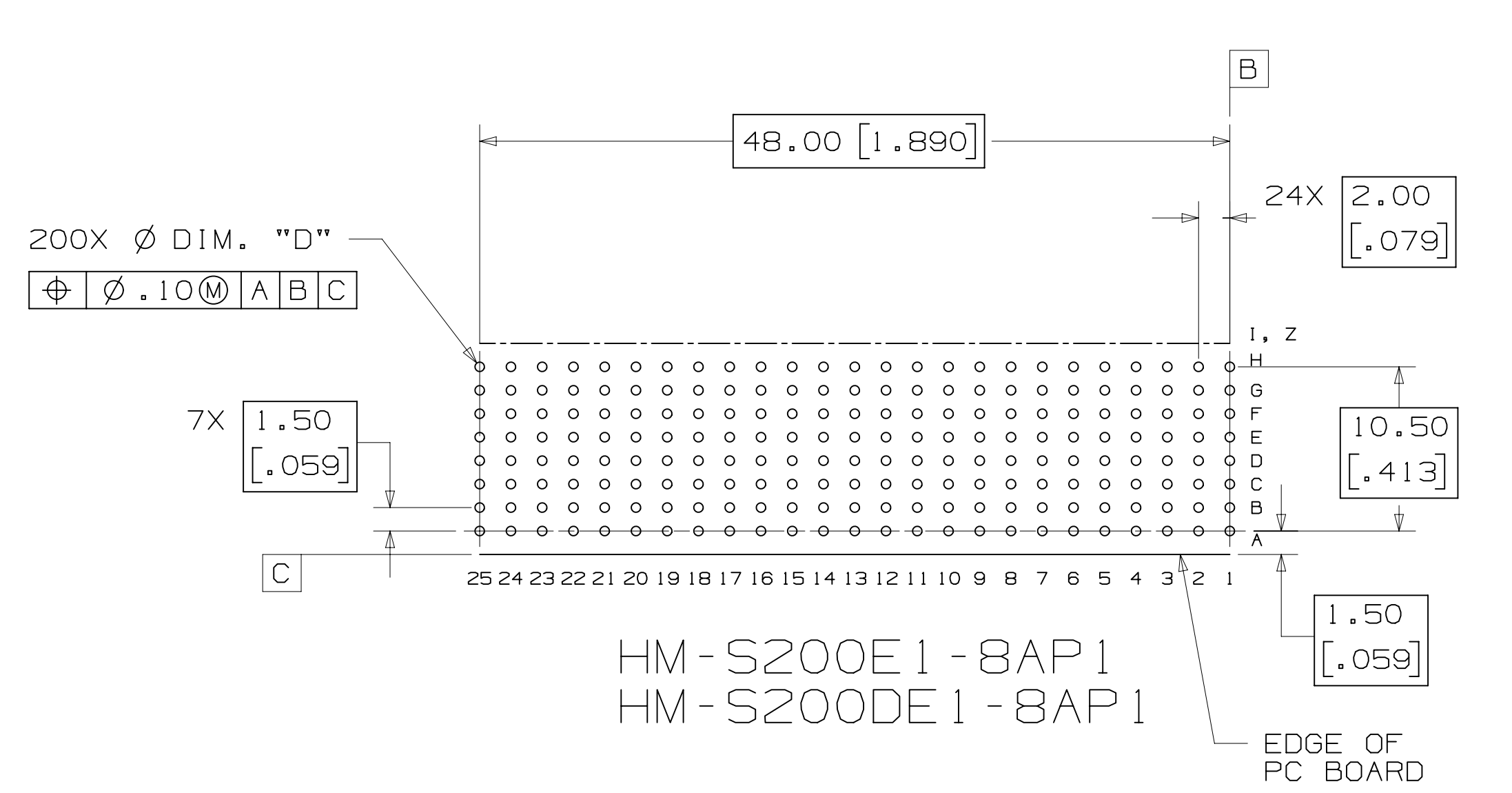
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REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DISTRIB CODES		DISTRIB CODES		CASTIGLIONE		MAR 23,2012		MFG	
DIVISION		DIVISION CODE		CHKD		DATE		APPR	
Interconnect Solutions		ISD		T. SUNIGA		MAR 26,2012		DATE	
DO NOT SCALE DRAWING		SCALE 3/1		TOLERANCES EXCEPT AS NOTED		INCHES		MILLIMETERS	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		MODEL	
D		78-5100-2516-2		A		SHT 2 OF 4		LISTS	
YES		NO		YES		NO		YES	

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



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THIRD ANGLE PROJECTION		INCHES		TITLE		CAGE NUMBER		DRAWING NO.	
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		HM PRESS-FIT 8-ROW SOCKET CONNECTORS, HM SERIES		D 78-5100-2516-2		REV. A	
MAX SURFACE ROUGHNESS		MARKED ONLY		MODEL		GET LISTS		YES NO SHT 3 OF 4	

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		A 39778		MAR 23,2012		JNC TS	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
CAG		TIGLIONE		MAR 23,2012		MFG		DATE	
CHKD		DATE		APPR		T. SUNIGA		DATE	
DIVISION		DIVISION CODE		3M Center		St. Paul, MN 55144		© 3M COPYRIGHT 2012	
Interconnect Solutions		ISD		3M		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.		TITLE	
DO NOT SCALE DRAWING		SCALE 3 1		TOLERANCES EXCEPT AS NOTED		HM PRESS-FIT 8-ROW SOCKET CONNECTORS, HM SERIES		CAGE NUMBER	
THIRD ANGLE PROJECTION		INCHES .00 ± .01 .000 ± .0005 .0000 ±		MILLIMETERS 0 ± .3 .00 ± .13 .000 ±		DRAWING NO.		REV.	
MAX SURFACE ROUGHNESS		SURFACES		MODEL		DET		SHT 4 OF 4	
MARKED ONLY		ANGLES		CAGE NUMBER		D 78-5100-2516-2		A	

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

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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JONHON

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«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



Телефон: 8 (812) 309-75-97 (многоканальный)

Факс: 8 (812) 320-03-32

Электронная почта: ocean@oceanchips.ru

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А