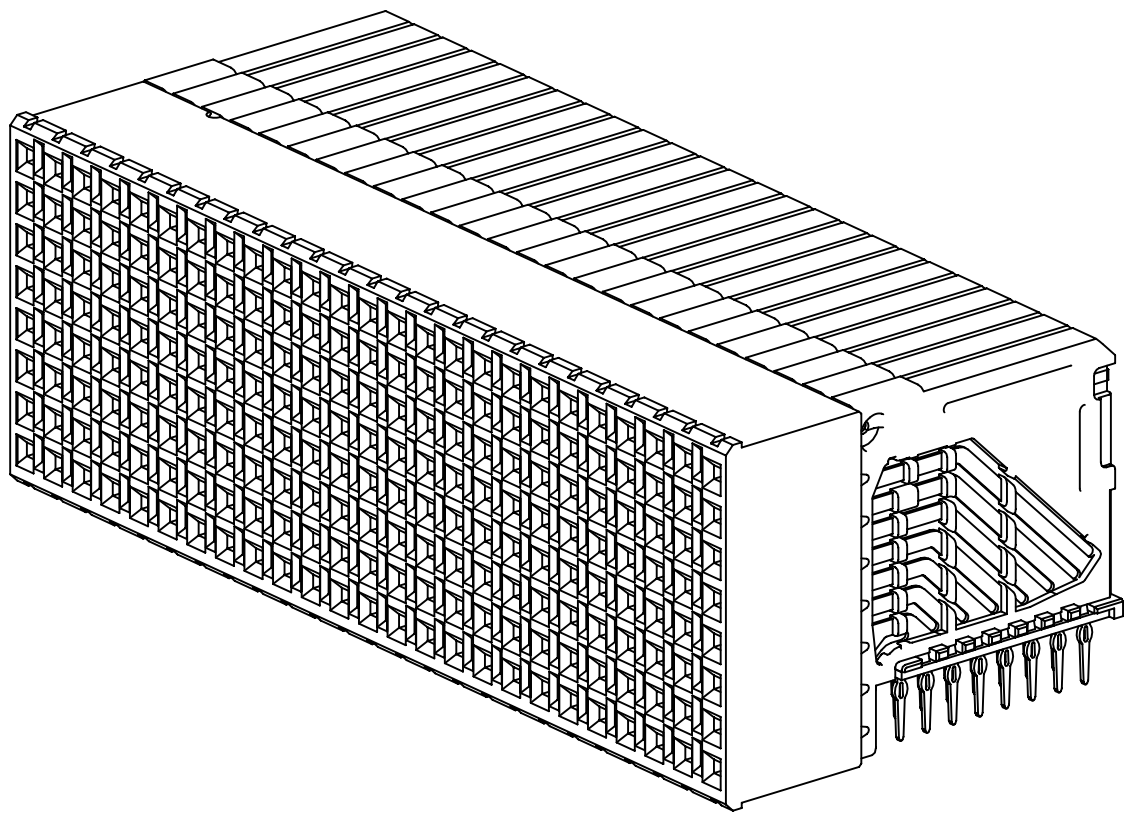


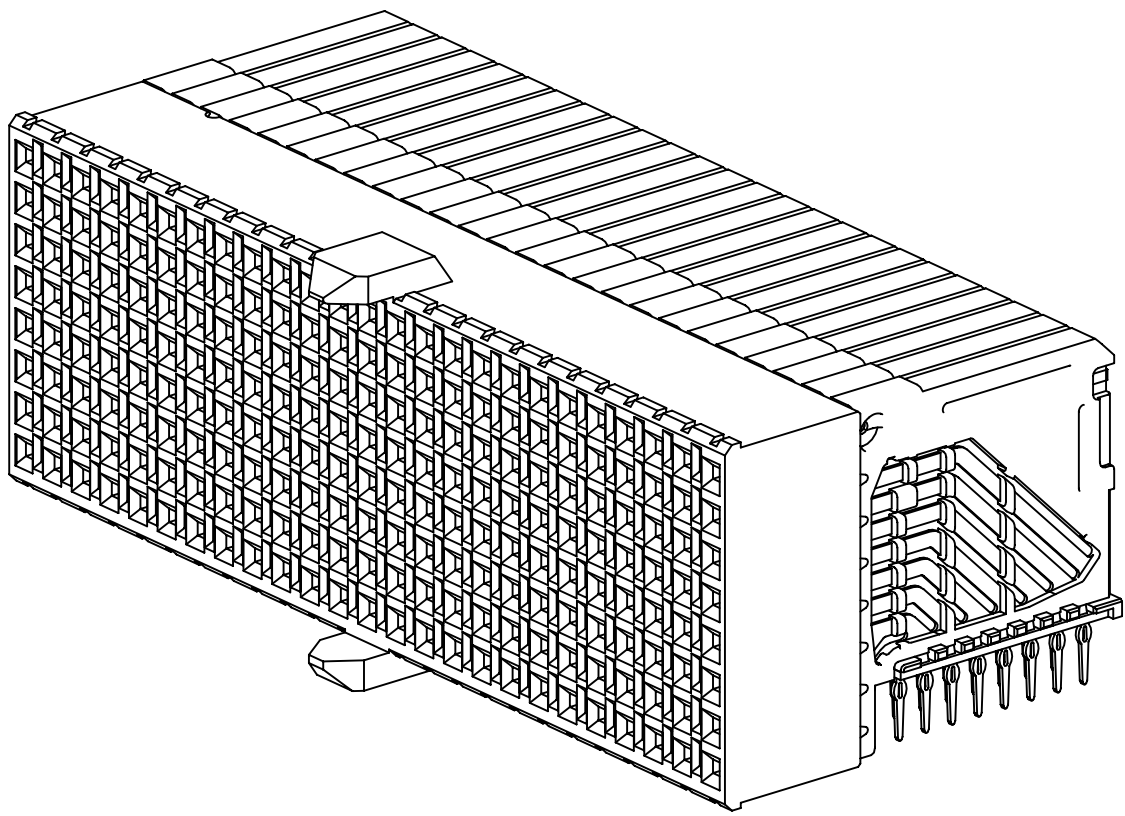
3M™ HM PRESS-FIT SOCKET, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS

- * 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.

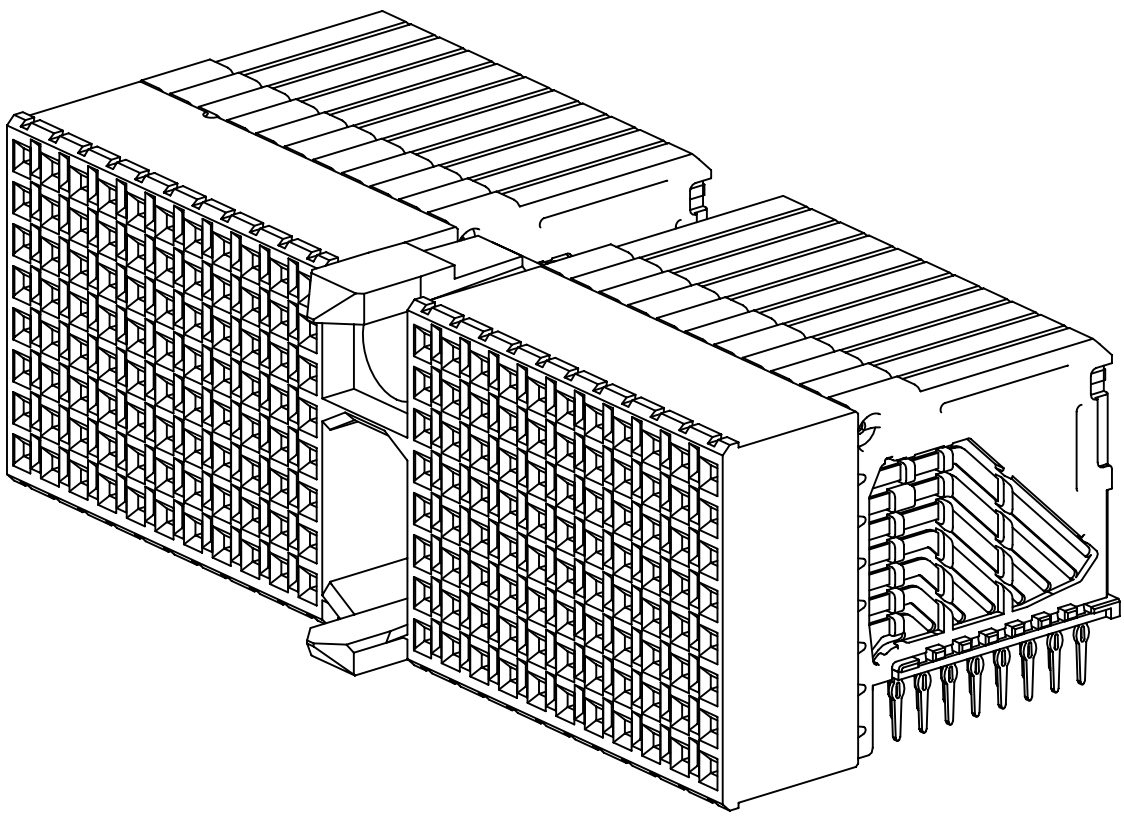
- NOTES
1. MATERIAL:
PLASTIC: HIGH TEMP LCP,
UL94V-0
CONTACTS: COPPER ALLOY.
2. REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE REGULATORY
INFORMATION APPENDIX (RIA) IN THE
"ROHS COMPLIANCE" SECTION OF
WWW.3MCONNECTORS.COM FOR COMPLIANCE
INFORMATION (RIA E1 & C1 APPLY)
3. IN THE EVENT OF CONFLICT
BETWEEN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



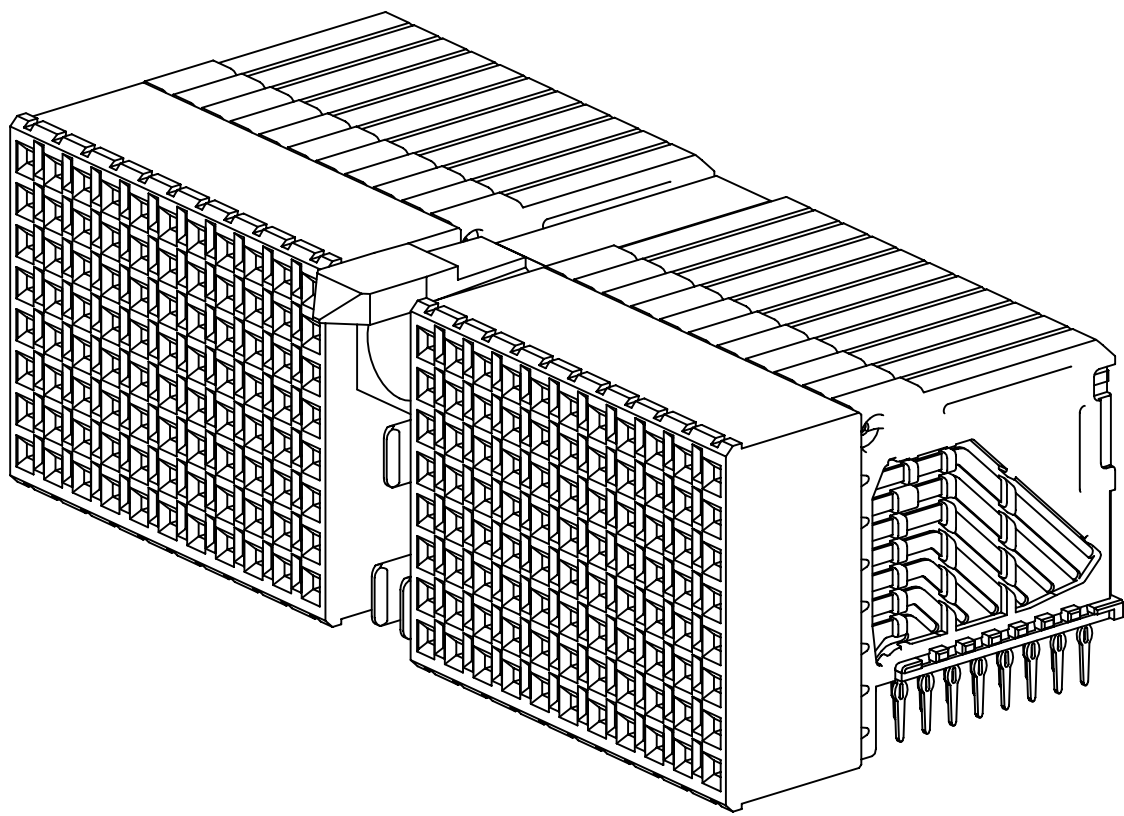
HM-S200E1-8AP1



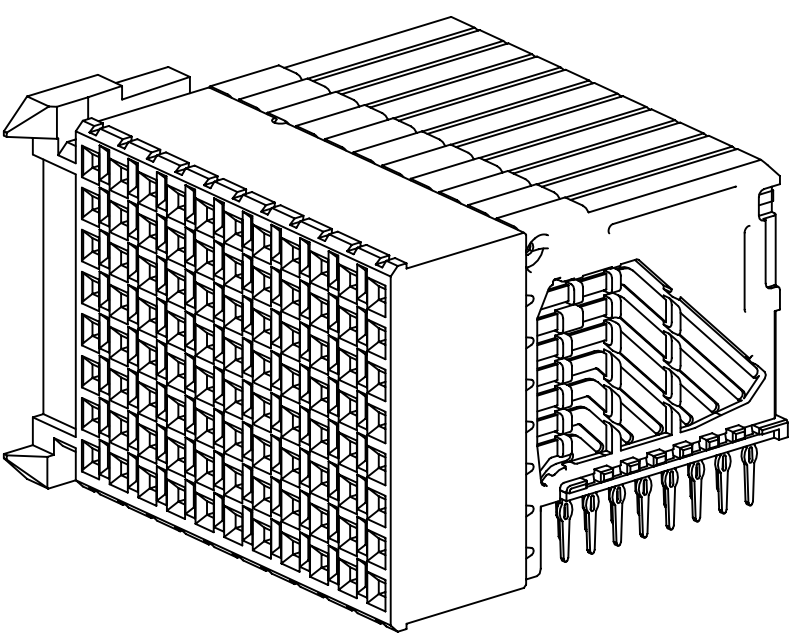
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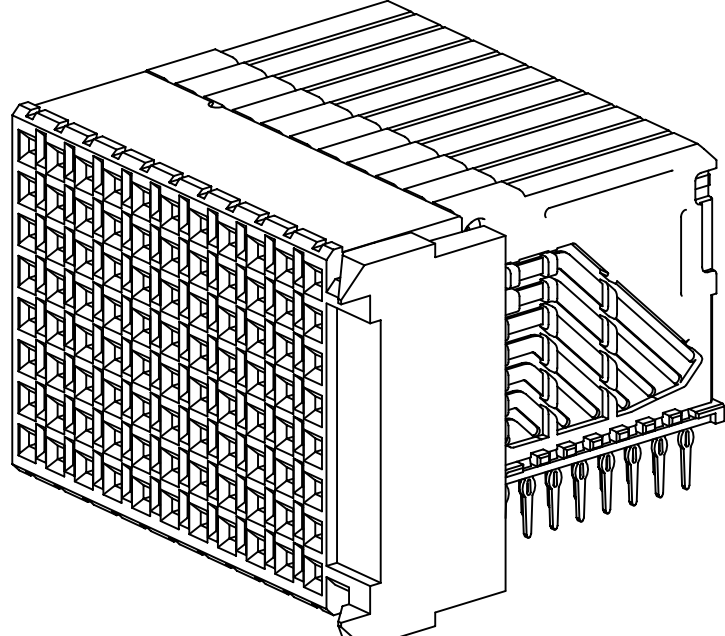
HM-S176D1-8AP1



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-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>

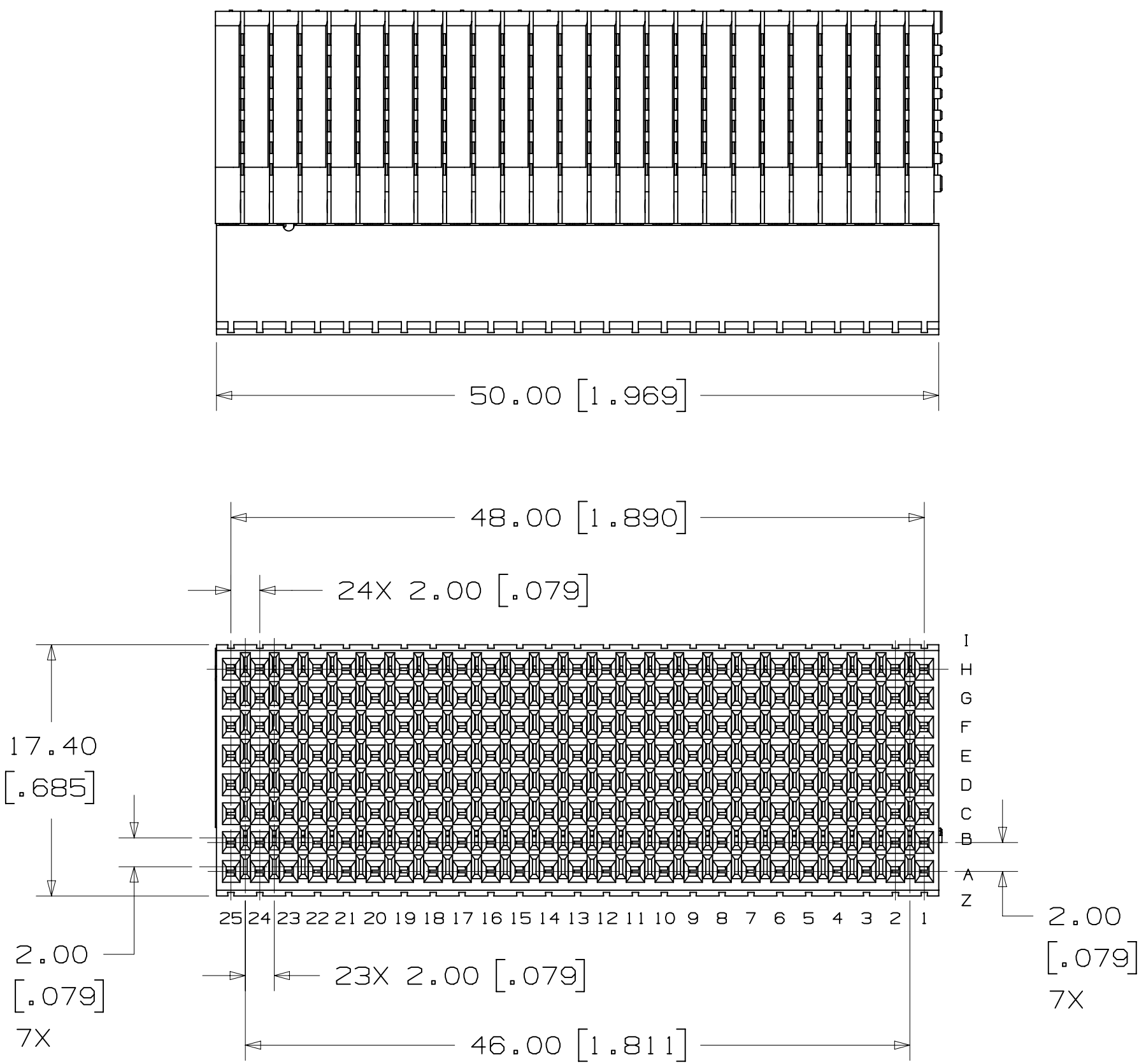
3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

UL
UL FILE NO: E68080

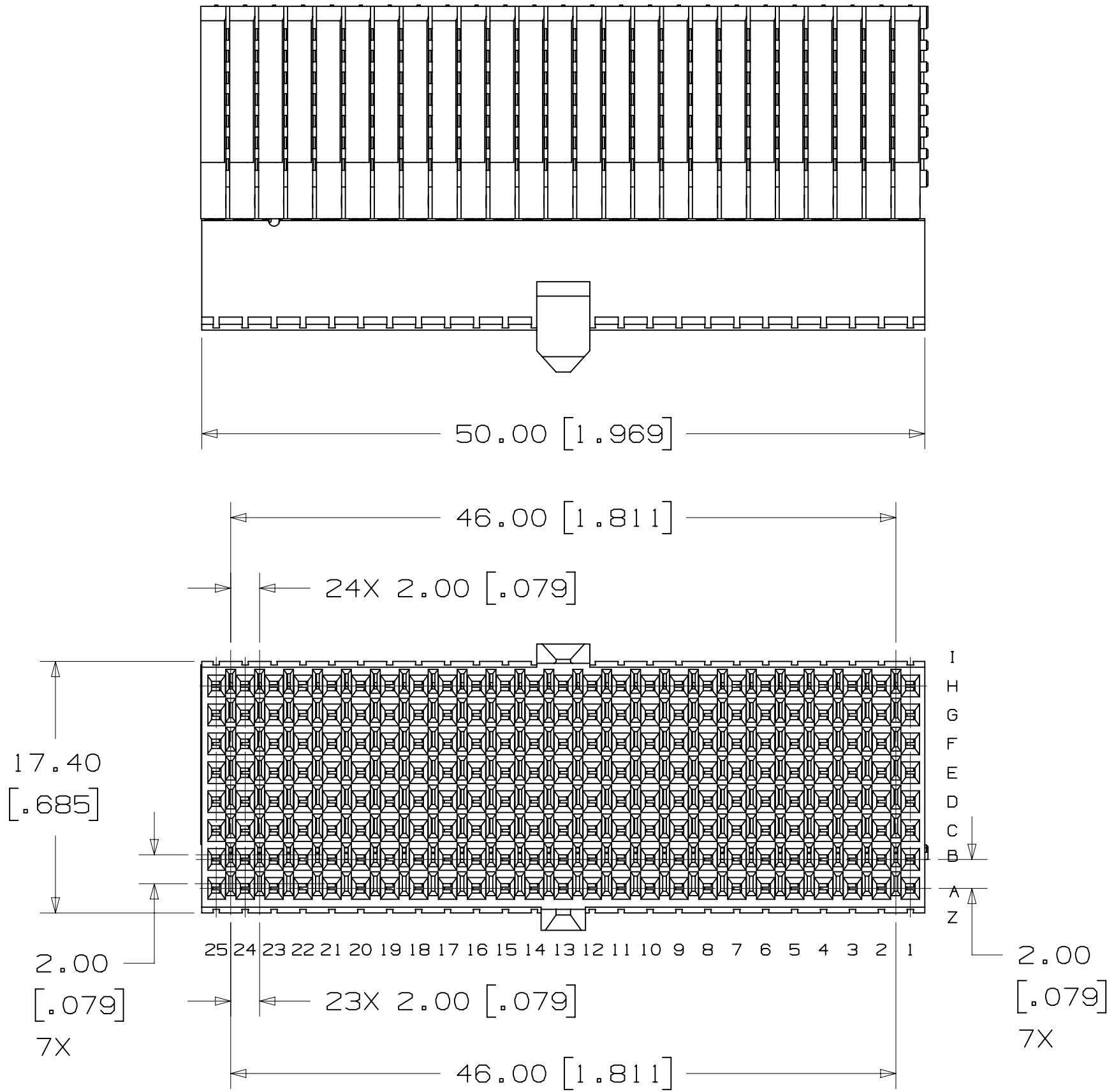
DIMENSIONS: MM [INCHES]

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 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
CAGE NUMBER		D		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DRAWING NO.		78-5100-2516-2		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
MODEL		DET		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
LISTS		YES		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
SHT		1		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
OF		4		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD

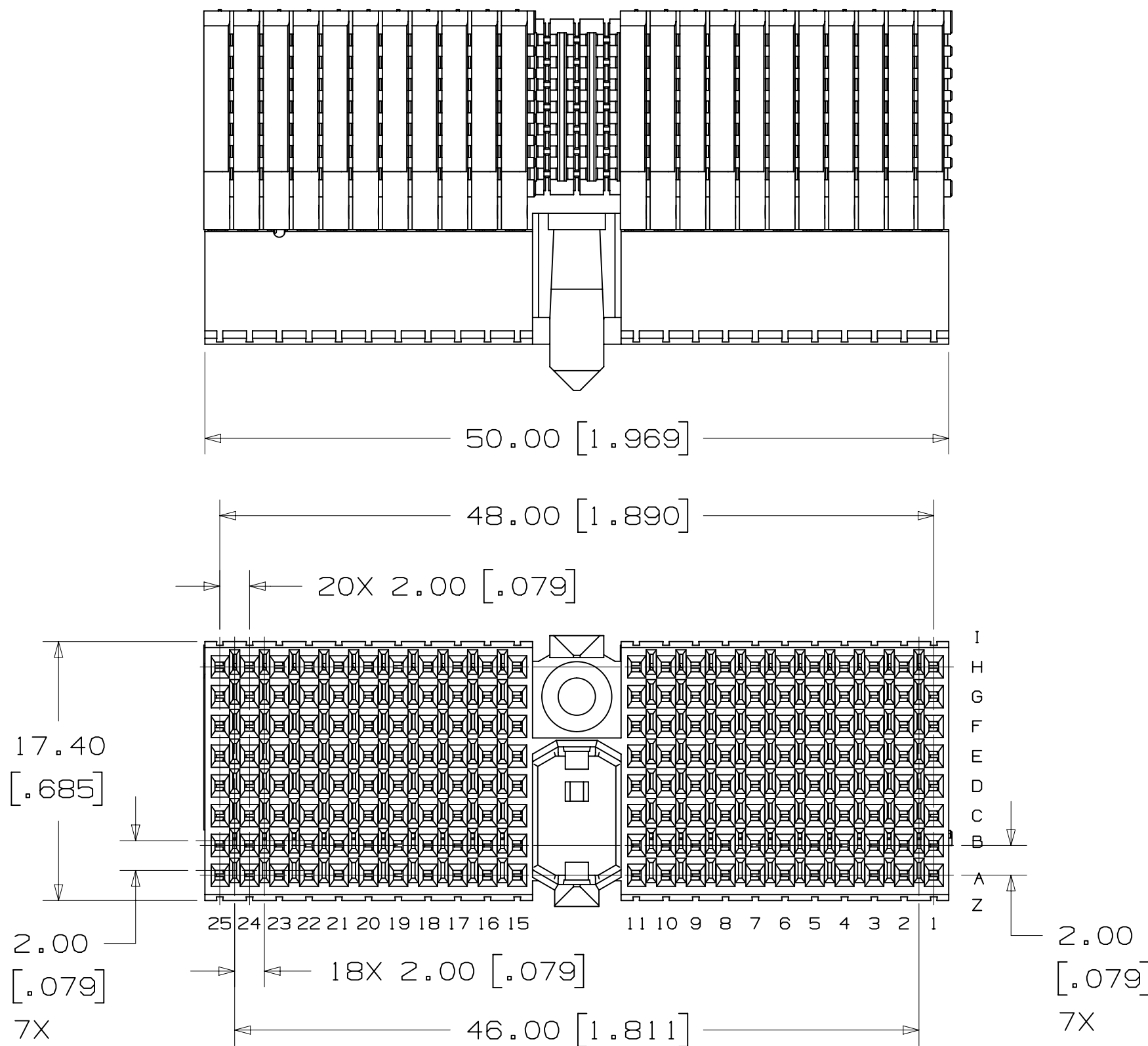
3M™ HM PRESS-FIT SOCKET, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS



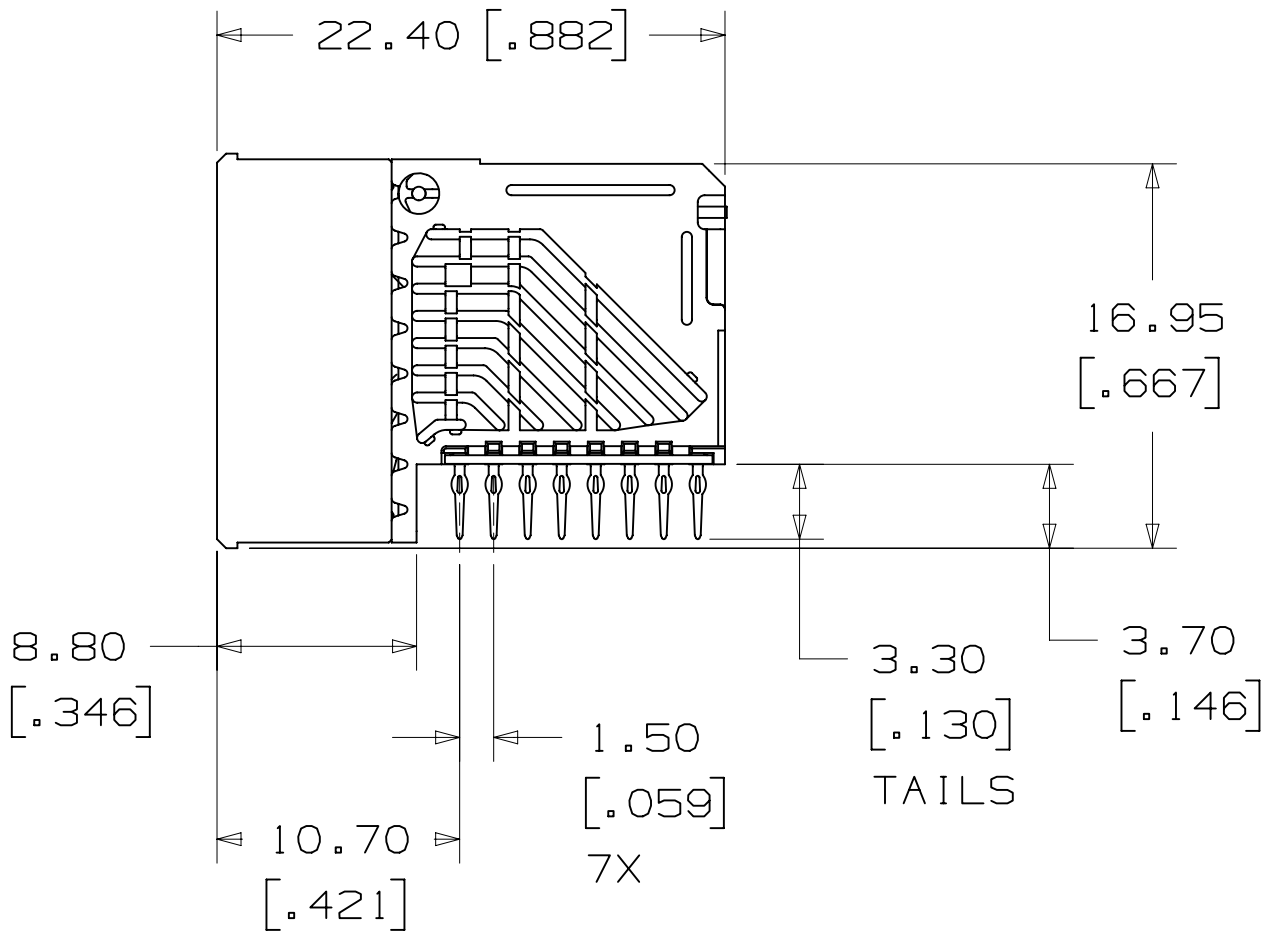
HM-S200E1-8AP1



HM-S200DE1-8AP1



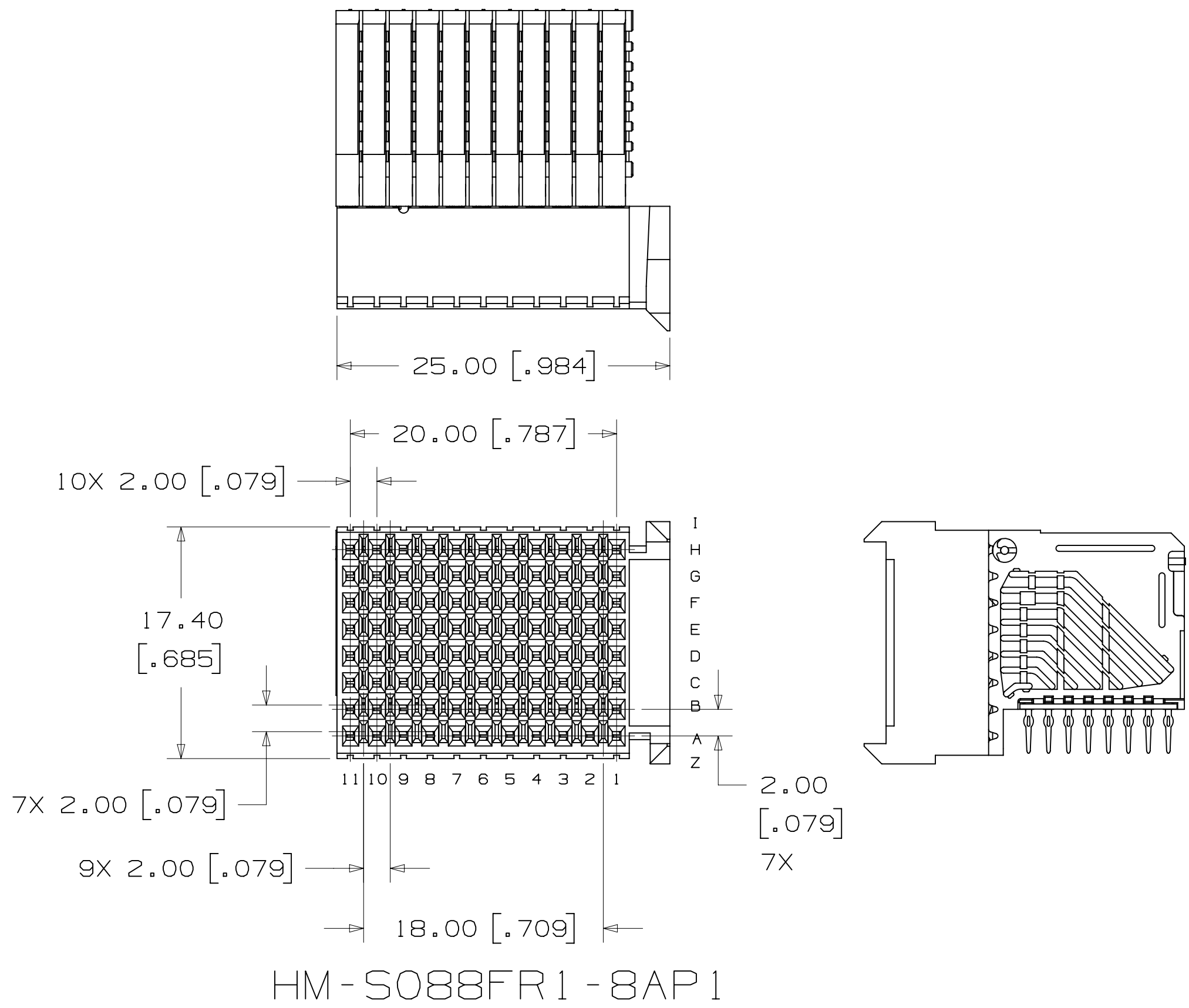
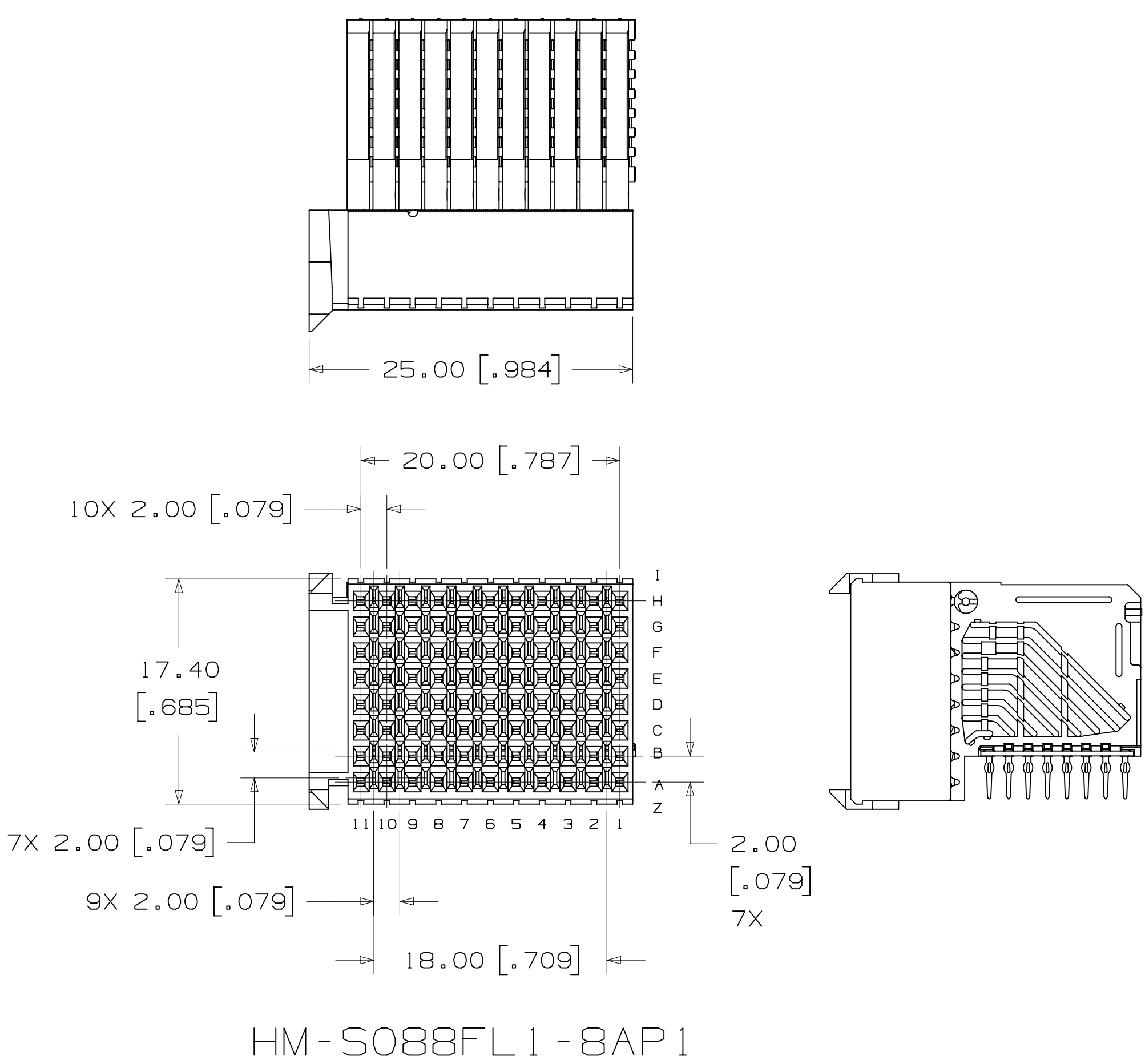
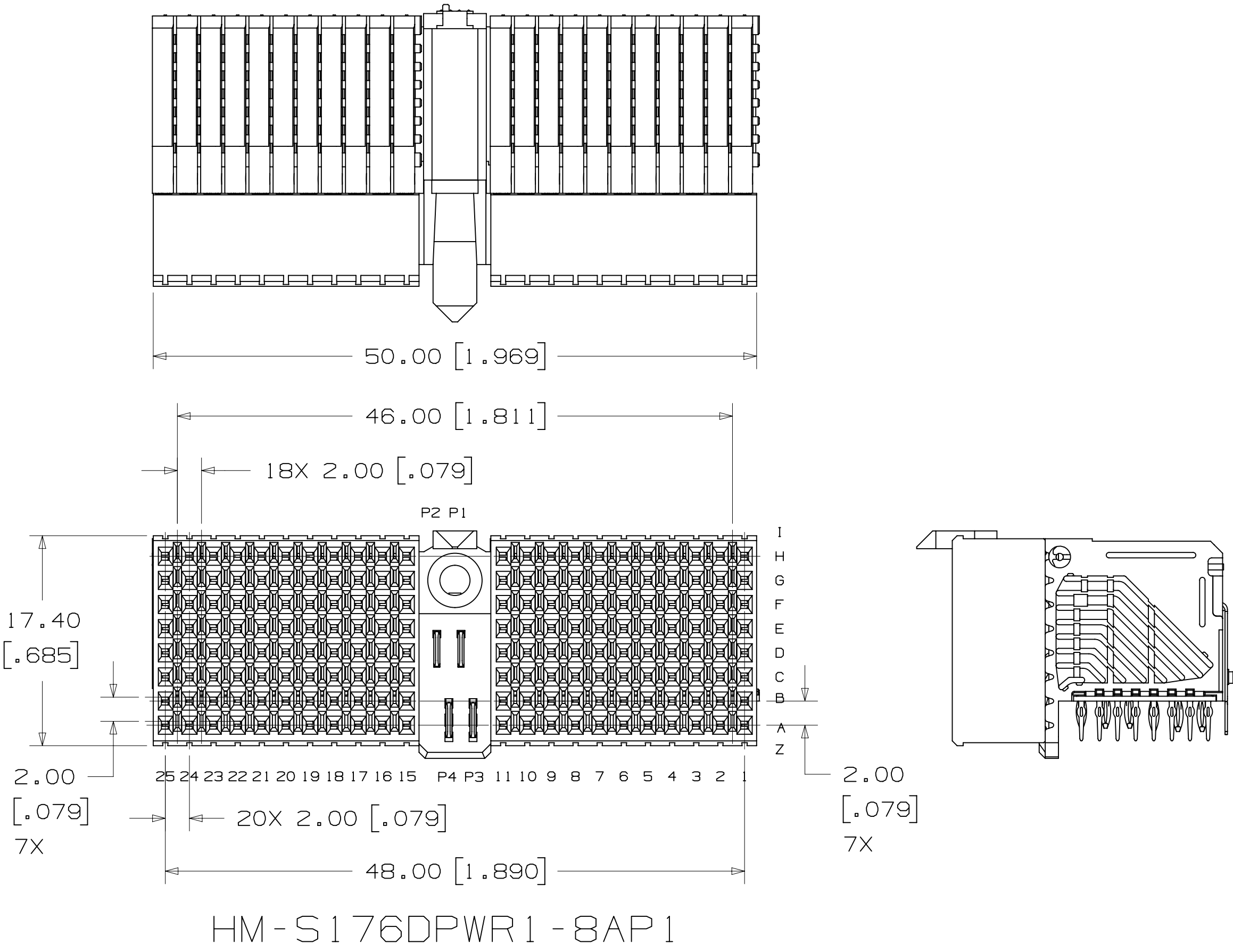
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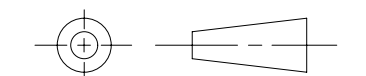


TYPICAL SIDE VIEW
DIMENSIONS FOR THE
SOCKETS ON THIS DRAWING

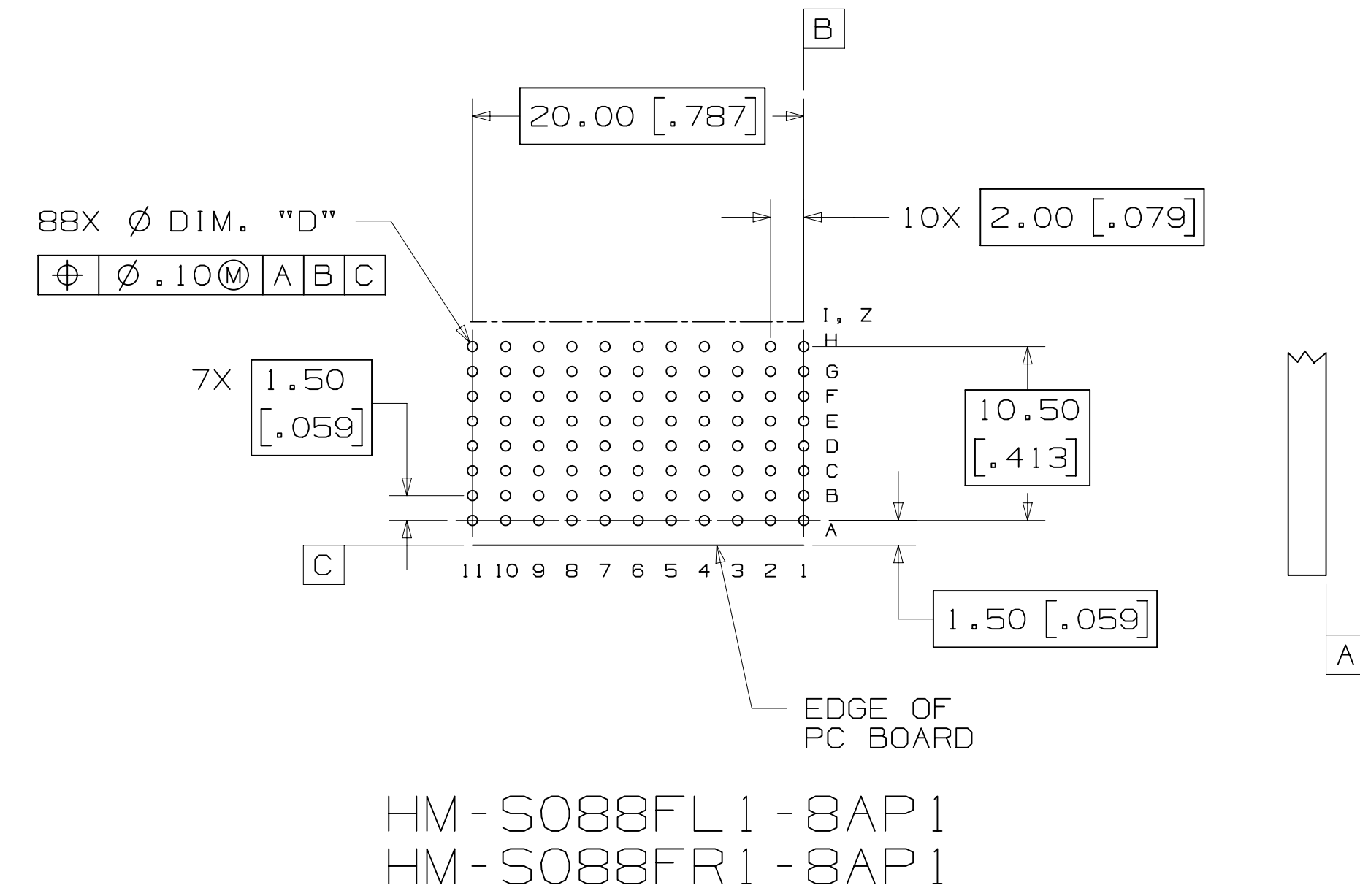
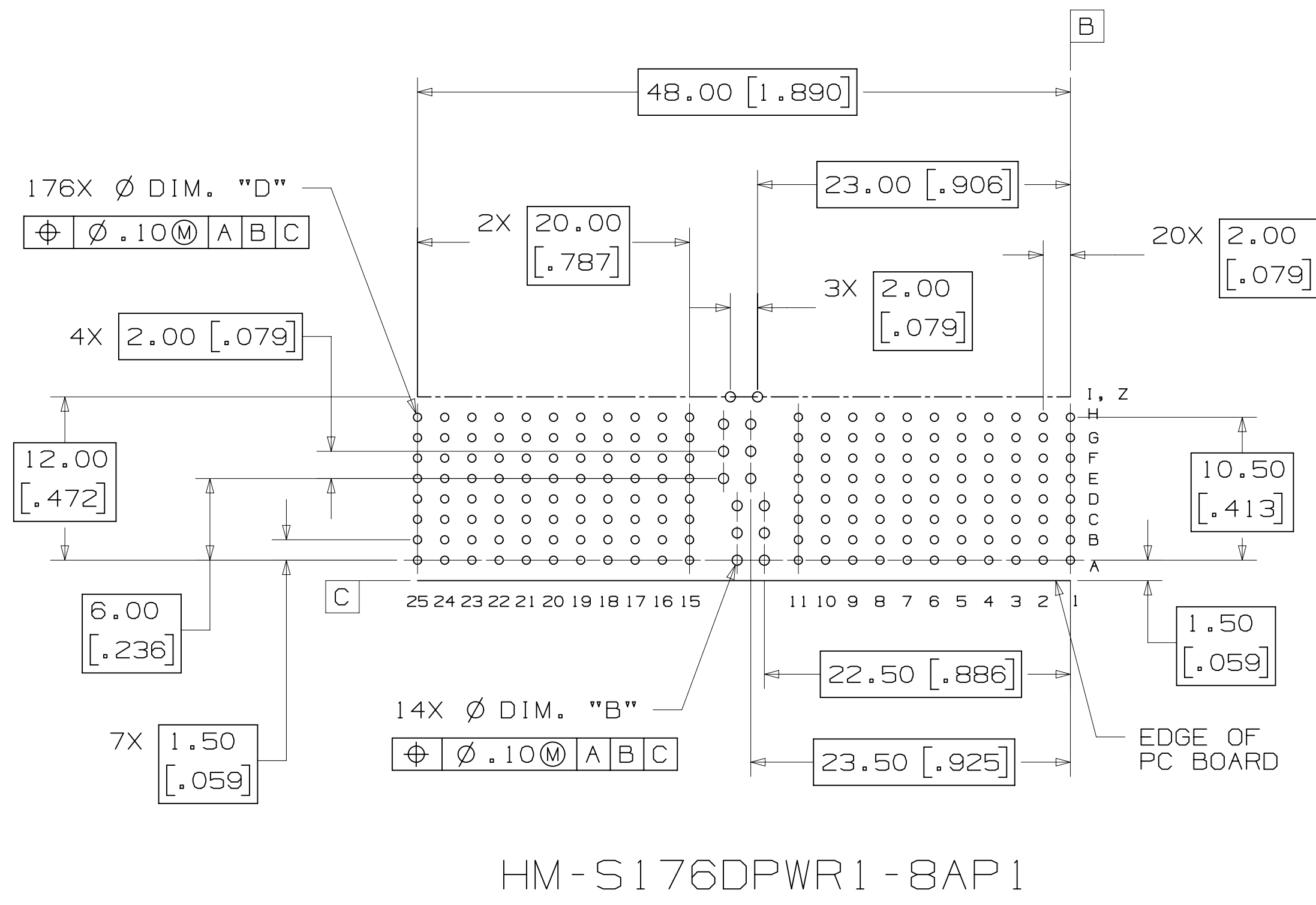
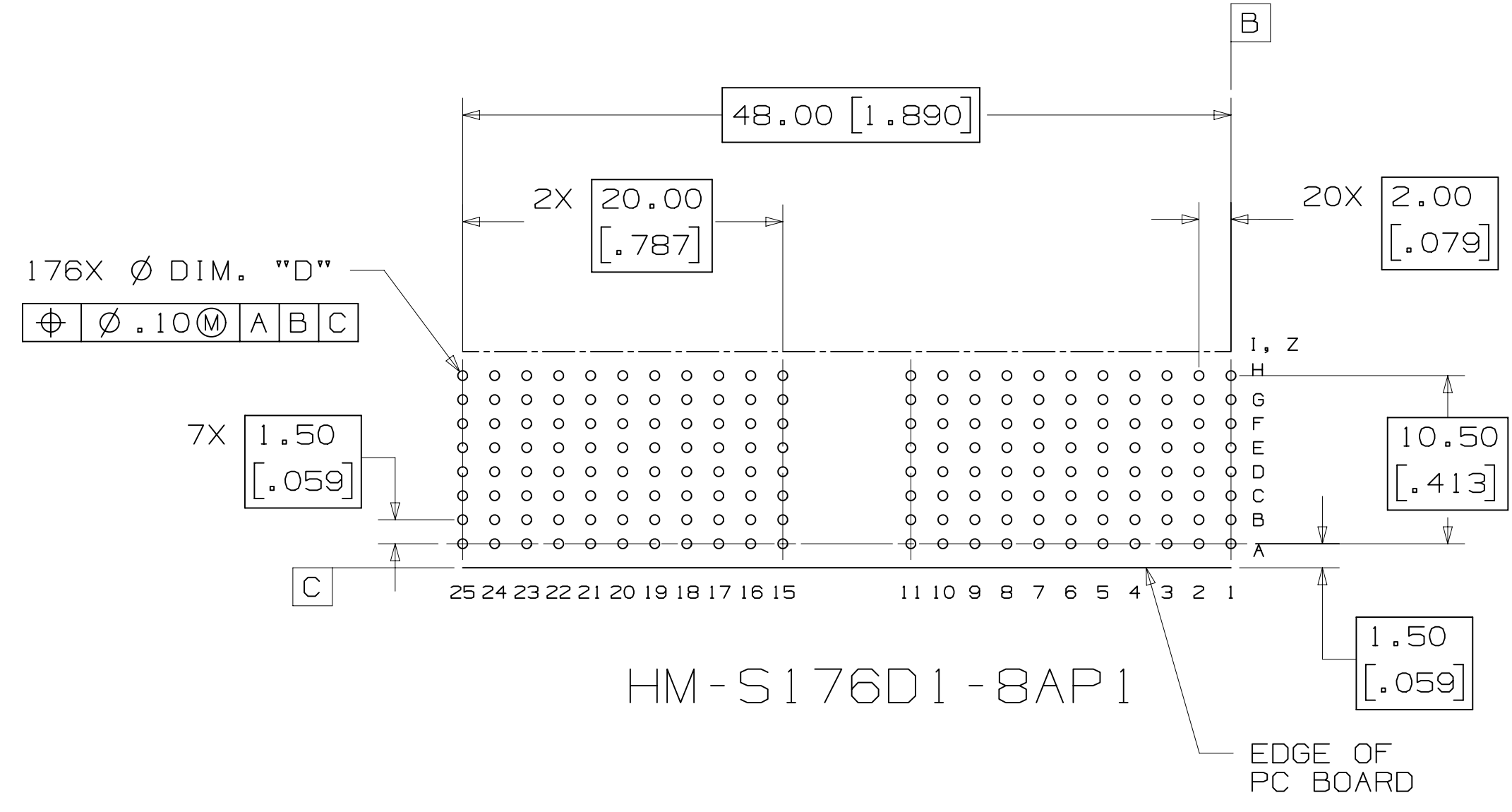
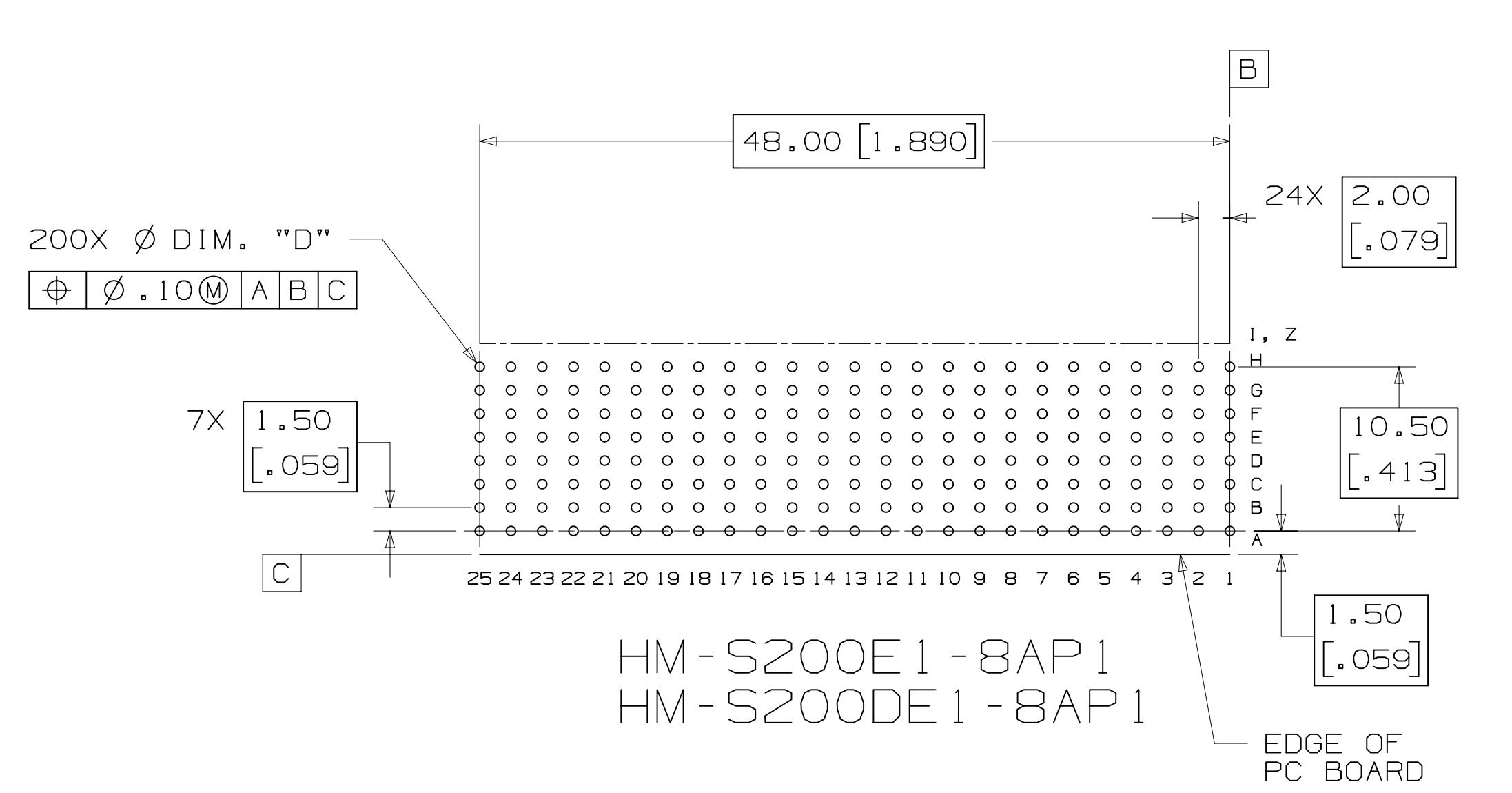
DESIGN REFERENCE		NEXT ASSEMBLY		A 39778		MAR 23,2012		JNC TS	
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DISTRIBUTION CODES		DISTR		CASTIGLIONE		MAR 23,2012		MFG	
DIVISION		INTERconnect Solutions		ISD		T. SUNIGA		MAR 26,2012	
DO NOT SCALE DRAWING		SCALE 3 1		TOLERANCES EXCEPT AS NOTED		INCHES .0 .00 .000 .0000 ±		MILLIMETERS 0 ± .0 .00 .000 ±	
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			

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



A				39778				MAR 23, 2012				JNC		TS	
PRODUCTION RELEASE															
REV				ECO		ISSUE DATE AND DESCRIPTION						DRFT		CHKD	
GAS				CASTIGLIONE		DATE				MAR 23, 2012		APPROV		DATE	
CHKD						DATE						T. SUNIGA		MAR 26, 2012	
DIVISION				DIVISION CODE				© 3M COPYRIGHT 2012							
Interconnect Solutions				ISD				3M Center St. Paul, MN 55144				This document and its information is contains one 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.			
DO NOT SCALE DRAWING				SCALE 3 1				TOLERANCES EXCEPT AS NOTED				TITLE			
				INCHES .00 ± .01 .000 ± .005 .0000 ±				HM PRESS-FIT 8-ROW SOCKET CONNECTORS, HM SERIES							
THIRD ANGLE PROJECTION				MILLIMETERS 0 ± .3 .00 ± .13 .000 ±				CAGE NUMBER				SIZE			
INTERPRET PER ASME Y14.5 - 1994				MARKED SURFACES				DRAWING NO.				REV.			
MAX SURFACE ROUGHNESS				D				578-5100-2516-2				A			
✓				□				MODEL				GET LISTS			
MARKED ONLY				ANGLE								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		CASTIGLIONE		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.			
DO NOT SCALE DRAWING		SCALE 3 1		TOLERANCES EXCEPT AS NOTED		INCHES .00 ± .01 .000 ± .0005 .0000 ±		MILLIMETERS 0 ± .3 .00 ± .13 .000 ±	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		CAGE NUMBER		D 78-5100-2516-2		REV. A	
MAX SURFACE ROUGHNESS		SURFACES		MODEL		DET		SHT 4 OF 4	

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
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- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
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В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru