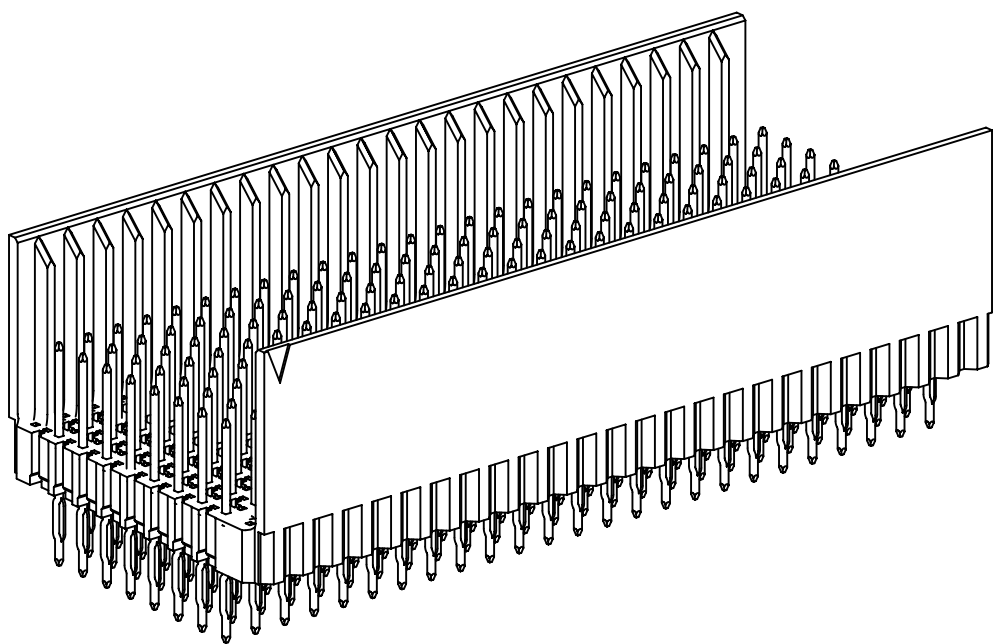
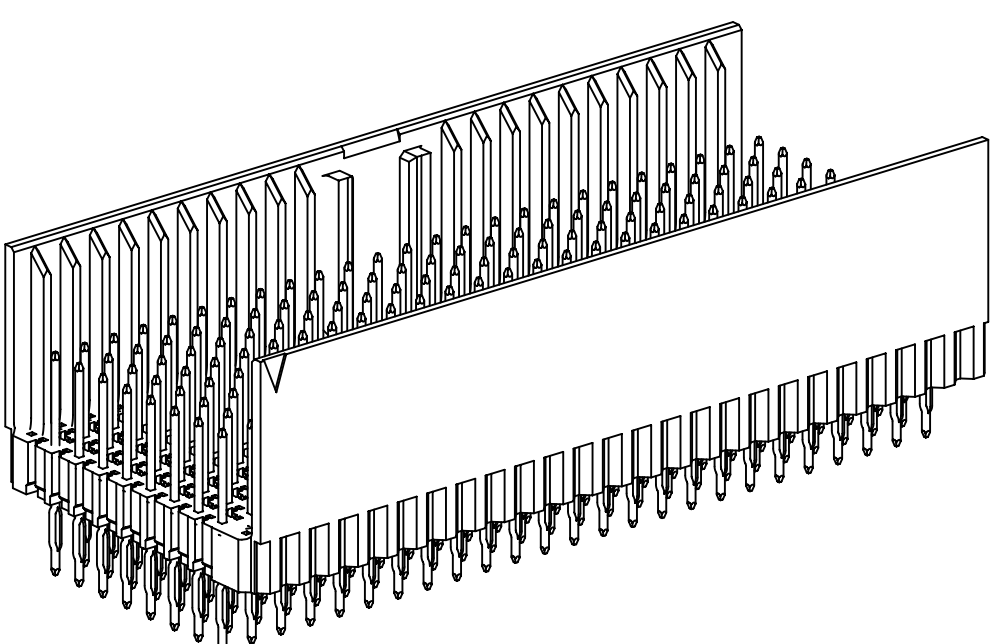


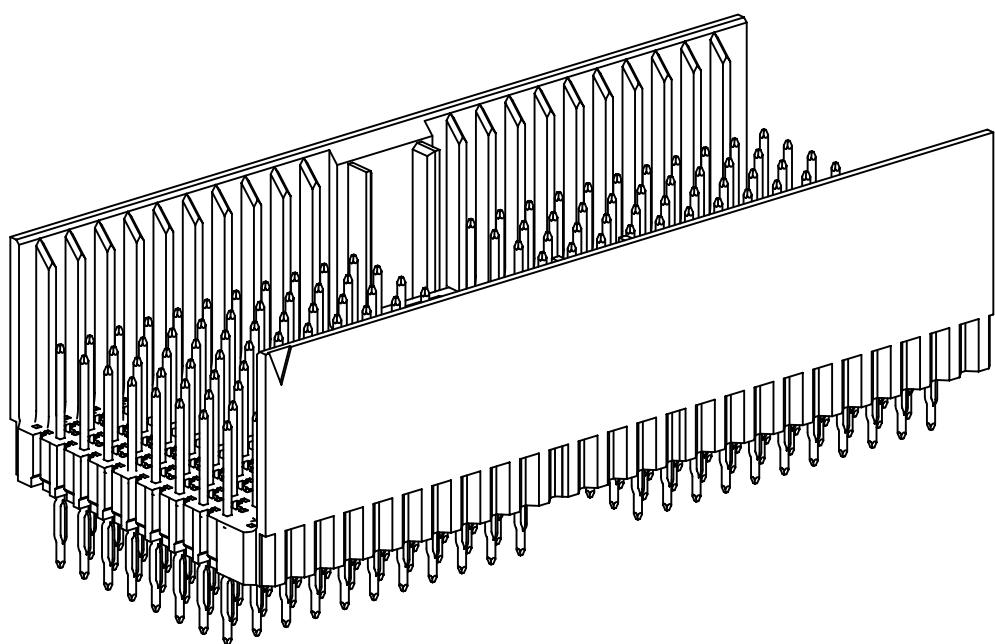
3M™ HM PRESS-FIT HEADER, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS



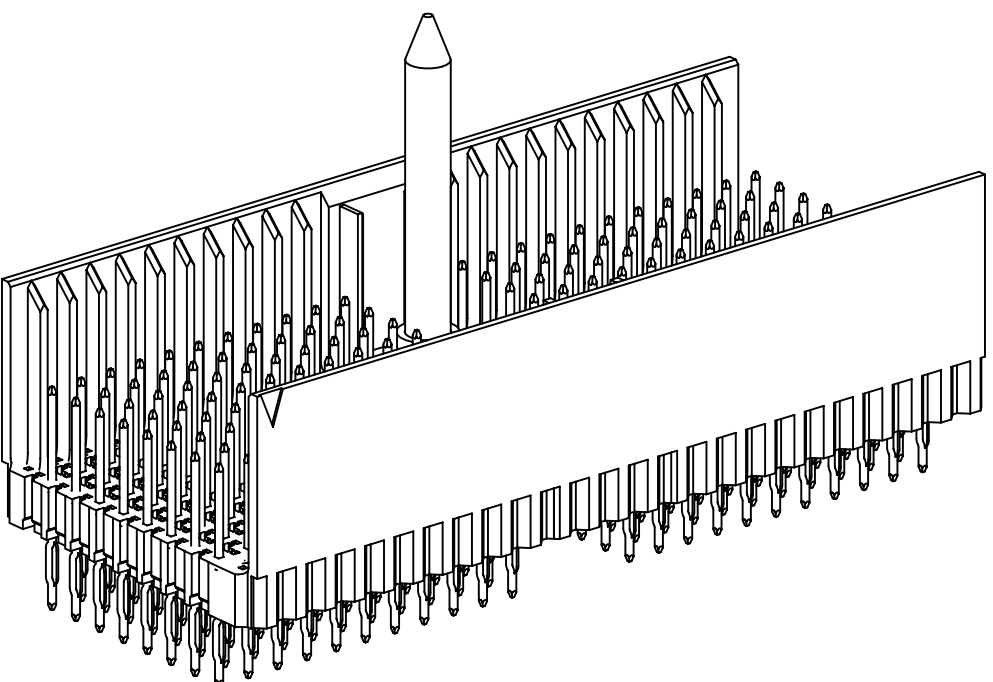
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HM-H244E2-8BX1



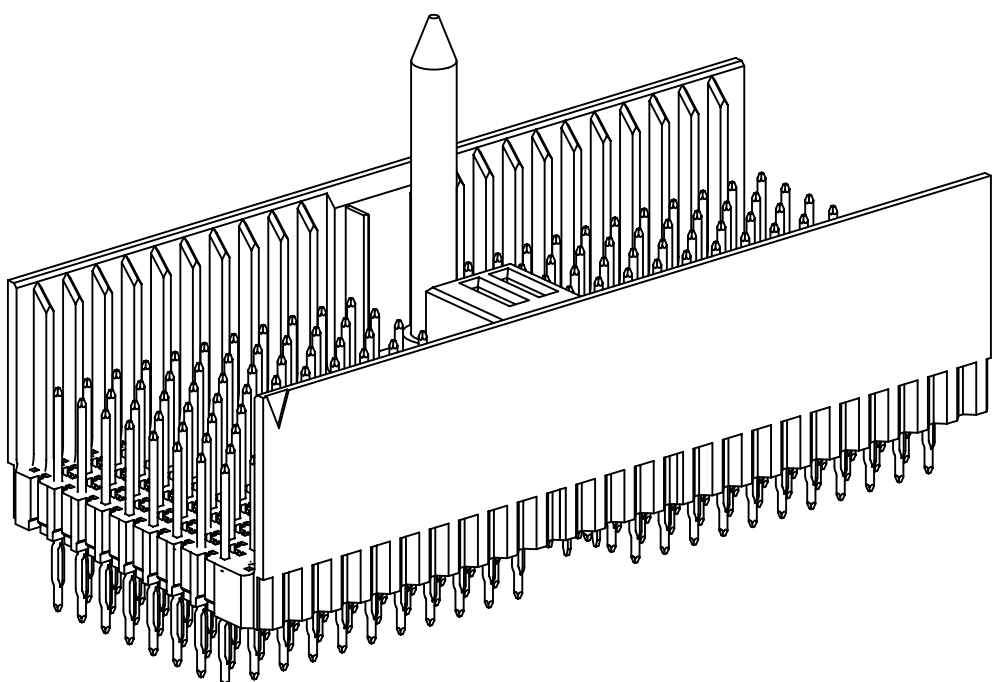
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HM-H244DE2-8BX1



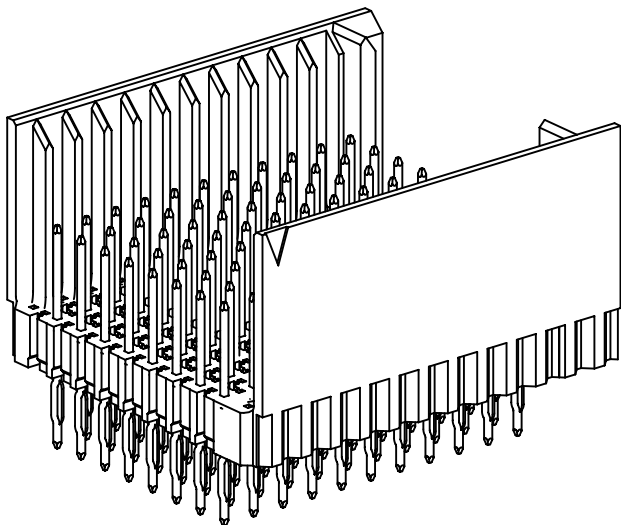
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HM-H220D2-8BX1



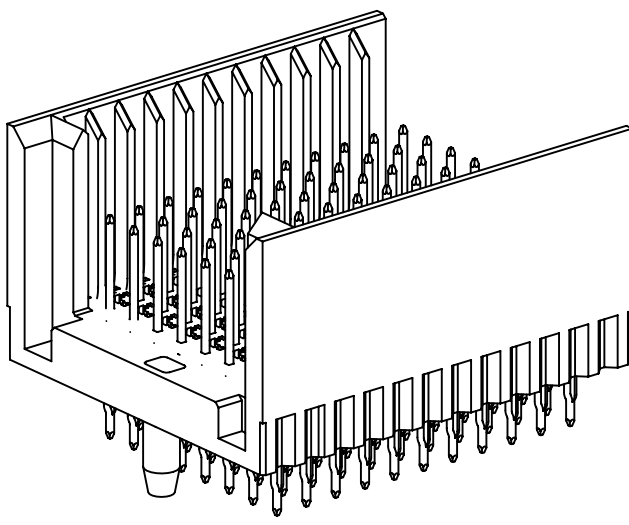
HM-H176DG1-8CX1
HM-H220DG2-8BX1



HM-H176DPWR1-8CX1
HM-H220DPWR2-8BX1



HM-H088FL1-8CX1
HM-H110FL2-8BX1



HM-H088FR1-8CX1
HM-H110FR2-8BX1

(UNLESS OTHERWISE SHOWN)
ORDERING INFORMATION
(ROWS 1 AND Z NOT LOADED)

HM-HXXXXX1-8CX1-XXXXX

HEADER POSITION AND TYPE

TAIL STYLE:
P = PRESS-FIT TAIL
S = SOLDER TAIL

PLATING

(UNLESS OTHERWISE SHOWN)
ORDERING INFORMATION
(ROWS 1 AND Z LOADED, 8.3MM MATE LENGTH)

HM-HXXXXX2-8BX1-XXXXX

HEADER POSITION AND TYPE

TAIL STYLE:
P = PRESS-FIT TAIL
S = SOLDER TAIL

PLATING

PLATING SPECIFICATIONS:

- 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.

- * MODULAR/SCALABLE FORMAT IEC 61076-4-101
- * PRESS-FIT OF SOLDER TAIL VERSION
- * 101 MATED LINES PER INCH
- * SHIPS WITH PROTECTIVE CAP, WHICH ALSO SERVES AS AN INSERTION TOOL
- * END-TO-END STACKABLE WITH 8 ROW 3M™ HM AND HSHM PRODUCTS
- * INTEGRATED GUIDE AND GUIDE PIN
- * MULTI-PURPOSE CENTER (MPC) KEYING AND GUIDANCE
- * FOUR INTEGRATED 8.25 A POWER CONTACTS AND GUIDE PIN

- NOTES
- MATERIAL:
PLASTIC: HIGH TEMP LCP, UL94V-0
PINS: 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.

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. (REFER TO IEC-61076-4-101)

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
PROCESS RATING: MAX. 260°C (PER J-STD-020C)
WITHSTANDING VOLTAGE: 1 (PER J-STD-020C)

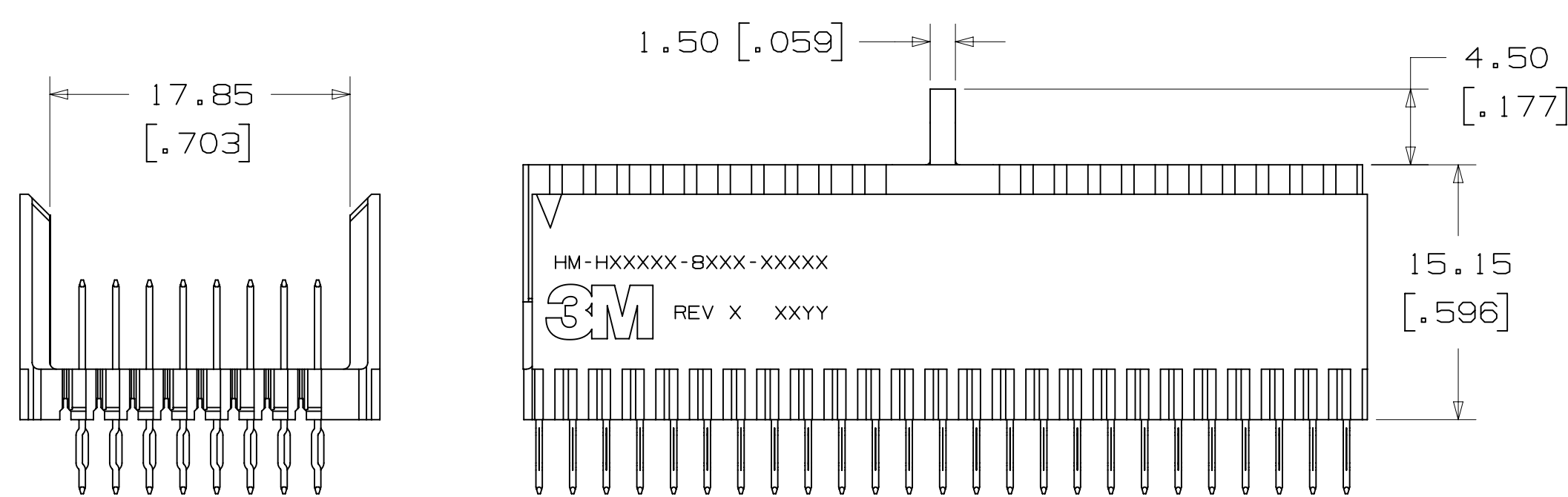
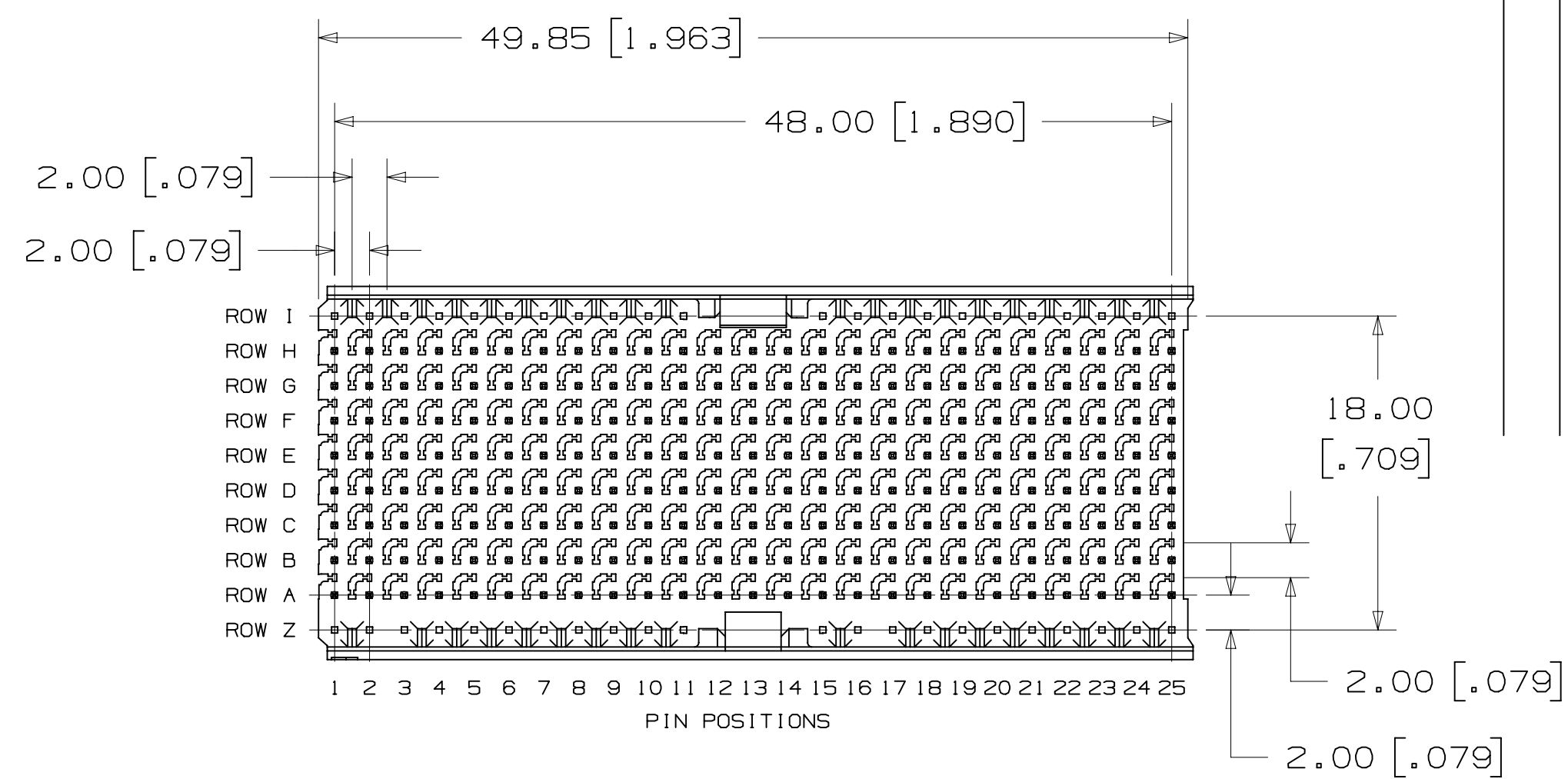
3M™ ELECTRONIC SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

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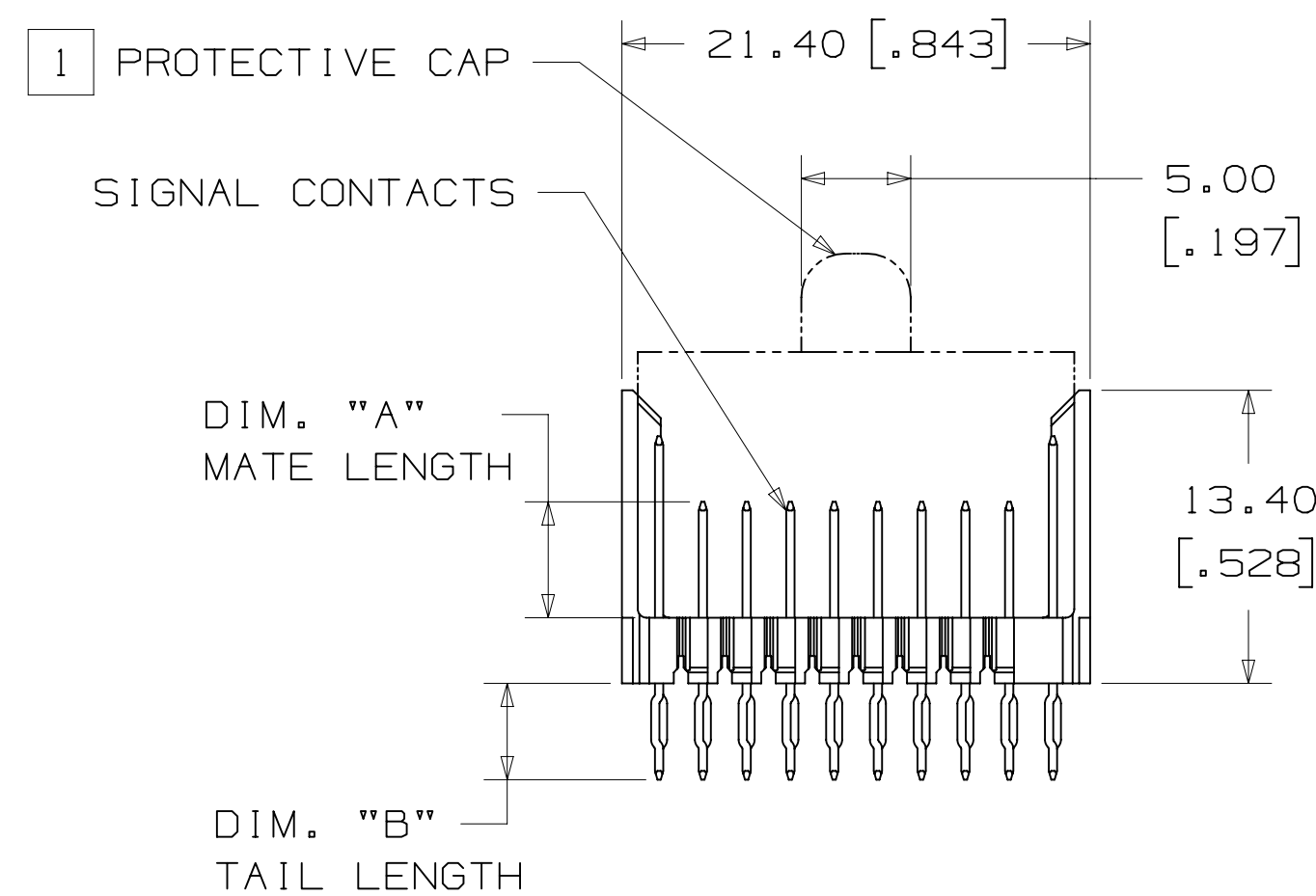
UL
UL FILE NO: E68080

DIMENSIONS: MM [INCHES]		A	39815	MAR 28,2012		JNC	TS
DESIGN REFERENCE		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
NEXT ASSEMBLY		DATE		MFG		DATE	
DIVISION		DATE		APPROV		DATE	
Interconnect Solutions		MAR 28,2012		T. SUNIGA		MAR 28,2012	
DO NOT SCALE DRAWING		SCALE 5/2		TOLERANCES EXCEPT AS NOTED		INCHES	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS		MAX SURFACE ROUGHNESS	
MAX SURFACE ROUGHNESS		0.000 ± .01		0.000 ± .005		0.000 ± .13	
MARKED ONLY		ANGLES		CAGE NUMBER		DRAWING NO.	
CAGE NUMBER		D		78-5100-2517-0		REV.	
MODEL		DET		YES		SHT 1 OF 4	

NOTES	
1	CAPS TO BE REMOVED AFTER PRESS-FIT INSTALLATION PROCESS.



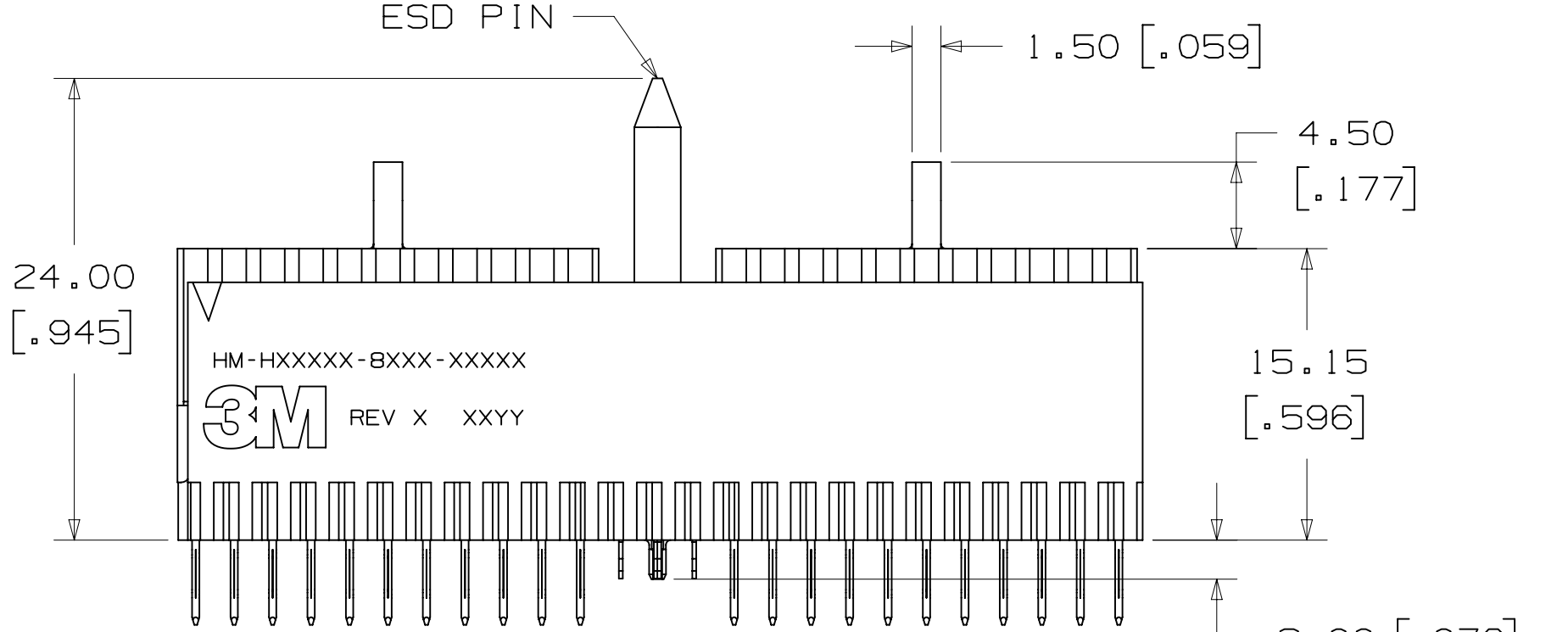
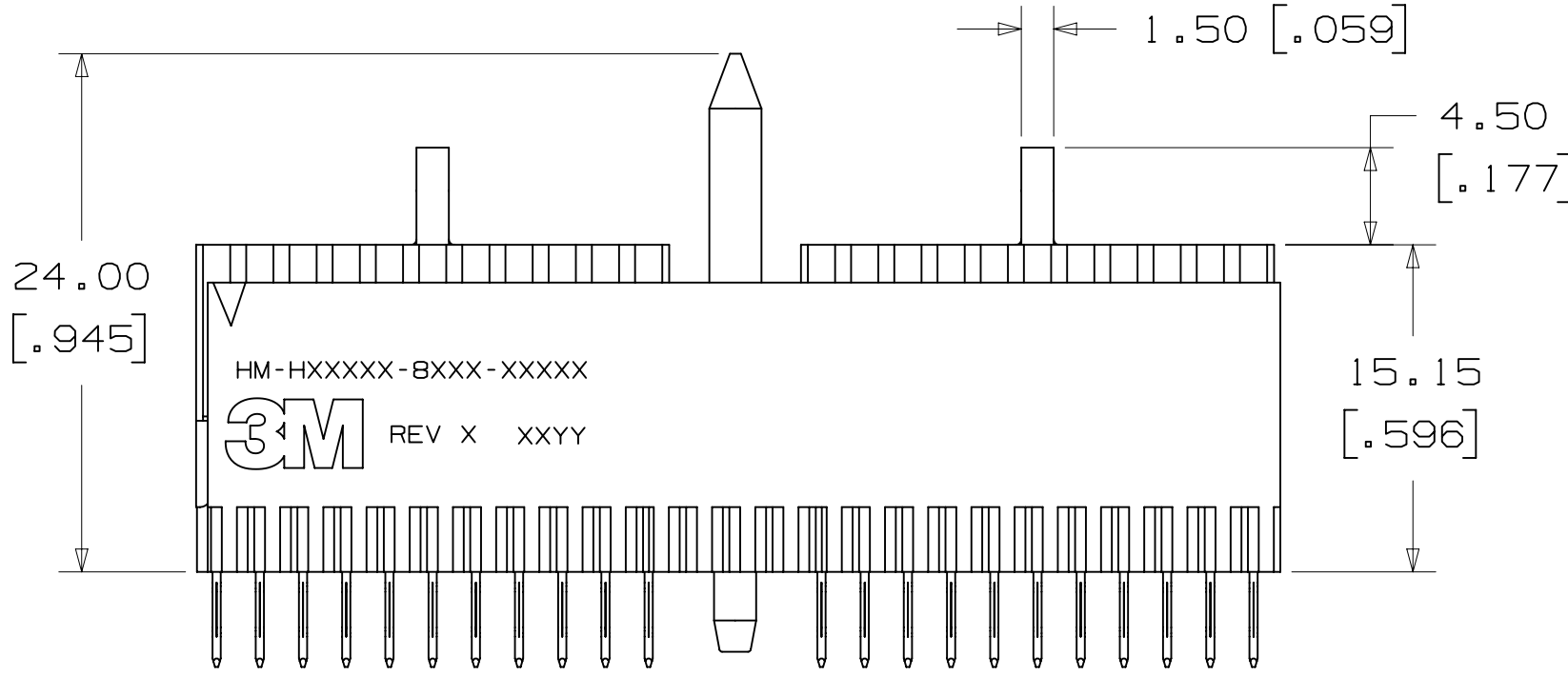
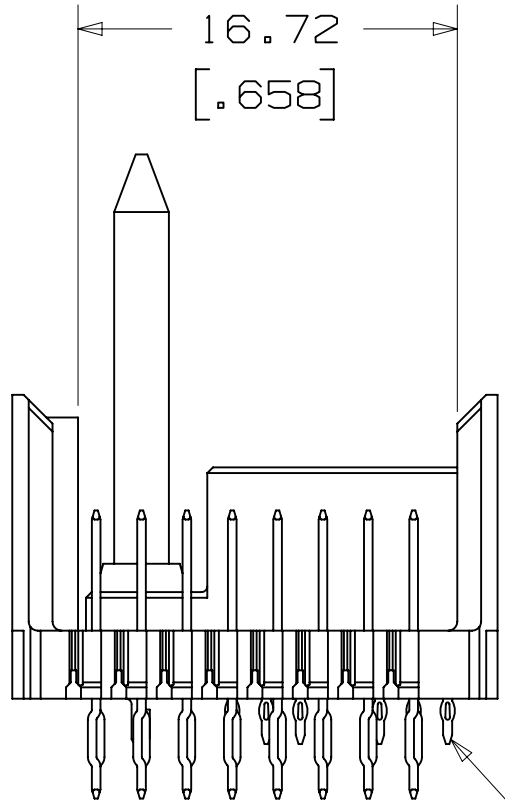
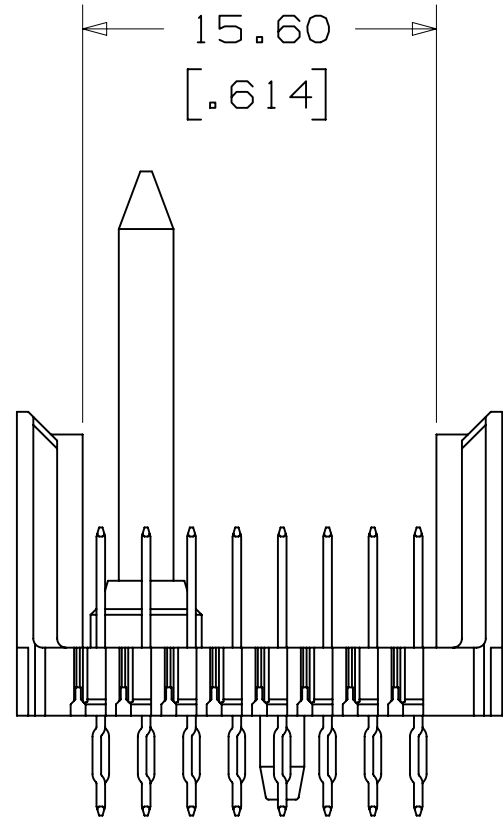
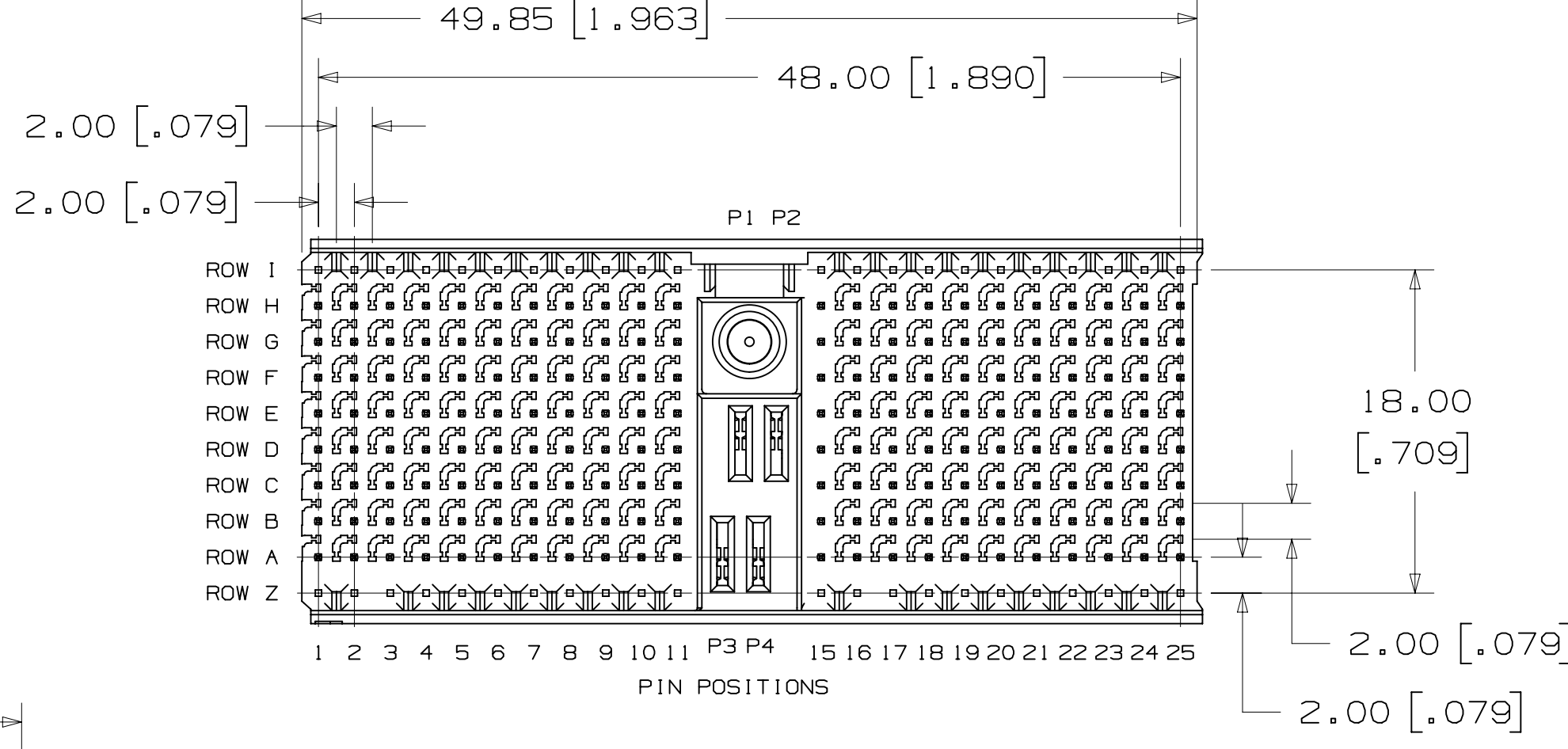
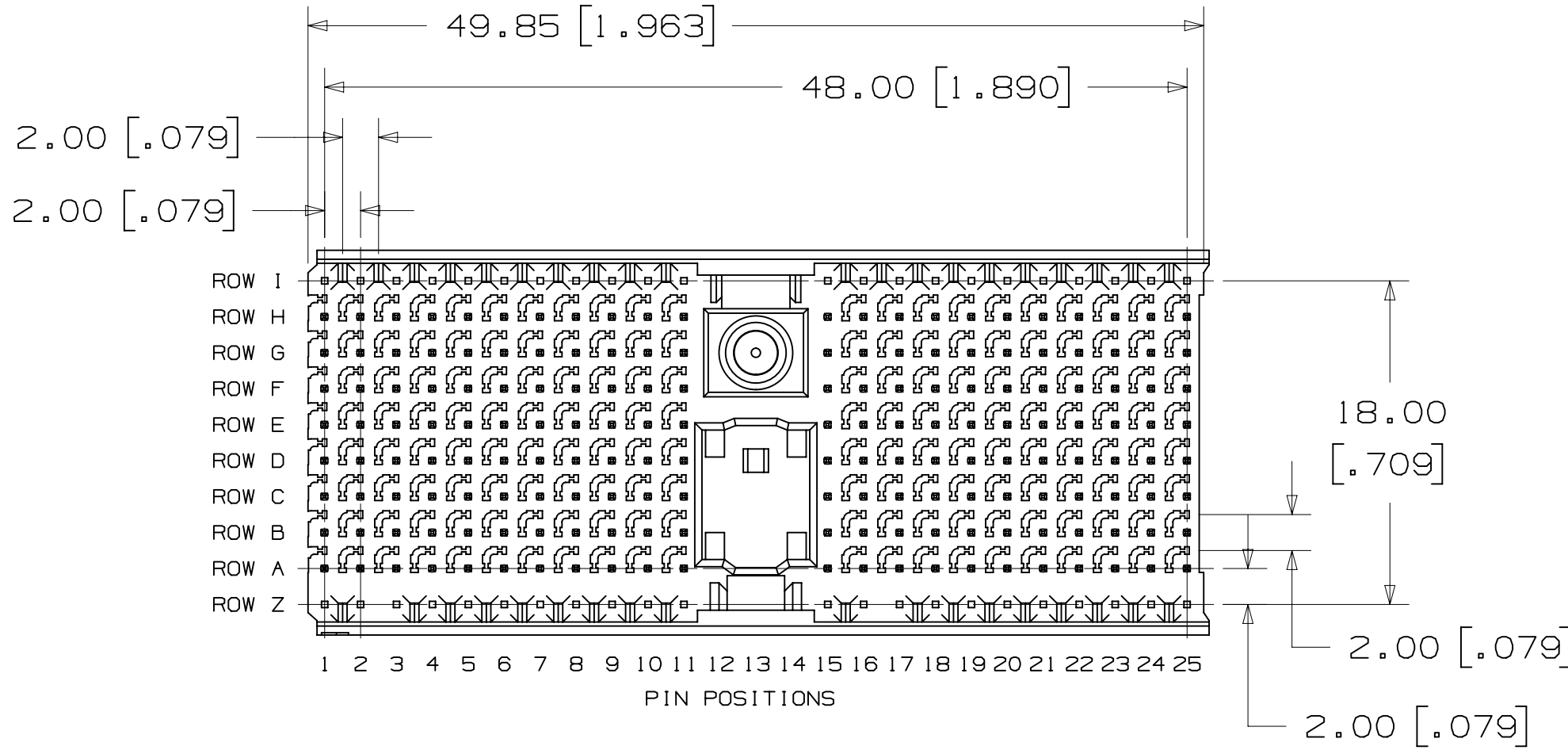
HM-H200DE1-8CX1
HM-H244DE2-8BX1



STANDARD CONFIGURATION		
DIM. "A"	5.3 [.21]	FOR ROWS A THRU H
DIM. "B"	4.4 [.17]	EXCEPT AS NOTED

A		39815		MAR 28,2012		JNC	TS
PRODUCTION RELEASE							
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
CHG CASTIGLIONE		DATE MAR 28,2012		MFG DATE		DATE MAR 28,2012	
CHRD				APPROV. T. SUNIGA			
DIVISION Interconnect Solutions		DIVISION CODE ISD		© 3M COPYRIGHT 2012 This document and the information it contains are 3M property and may not be reproduced on 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		 3M Center St. Paul, MN 55144	
 THIRD ANGLE PROJECTION		INCHES .0 .00 ± .01 .000 ± .005 .0000 ±		TITLE HM PRESS-FIT HEADER, 8-ROW, HM SERIES			
INTERPRET PER ASME Y14.5 1994		MILLIMETERS 0 ± 0 ± .3 0.00 ± .13 0.000 ±		CASE NUMBER D		DRAWING NO. 78-5100-2517-0	
MAX SURFACE ROUGHNESS 160 μin SURFACES ☒ MARKED ONLY		ANGLES 0 ± 0 ± .3 0.00 ± .13 0.000 ±		MODEL DET. LISTS ☐ YES ☒ NO		REV. A SHT 2 OF 2	

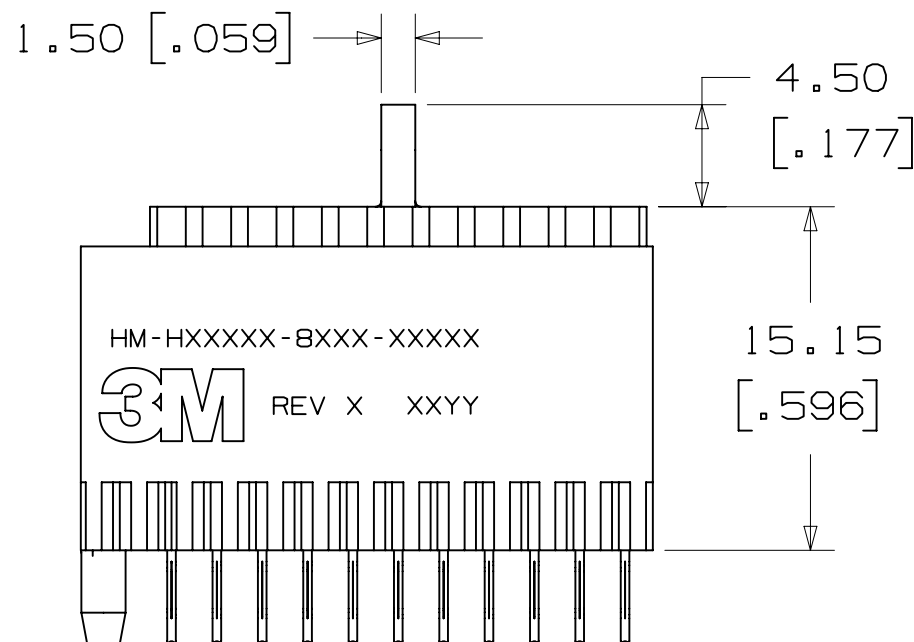
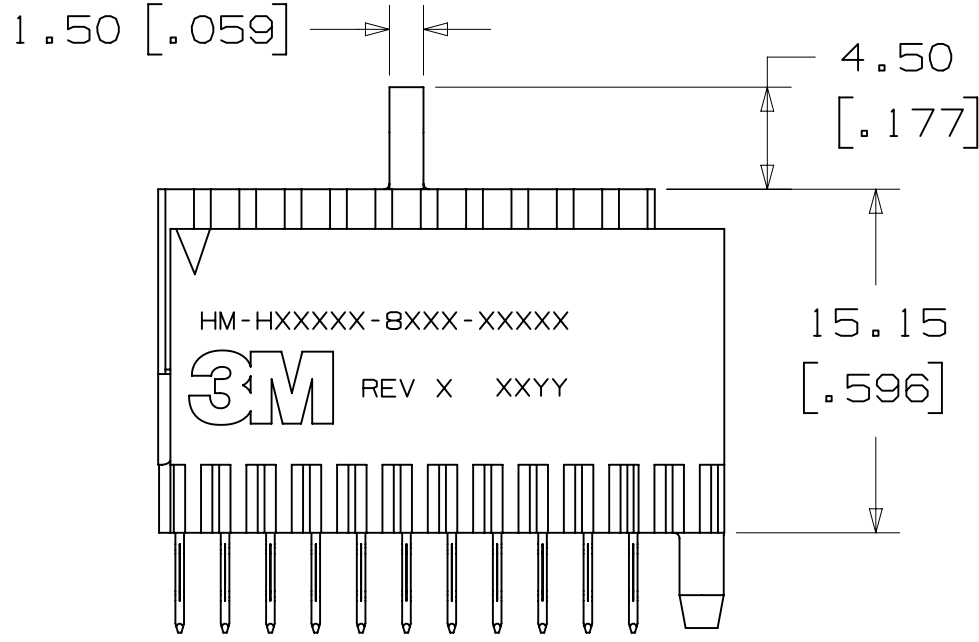
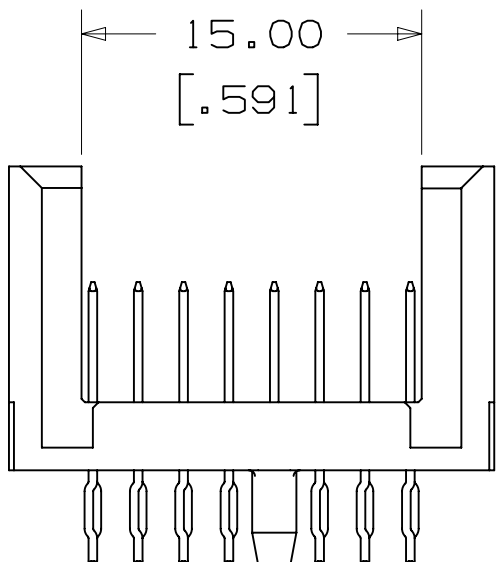
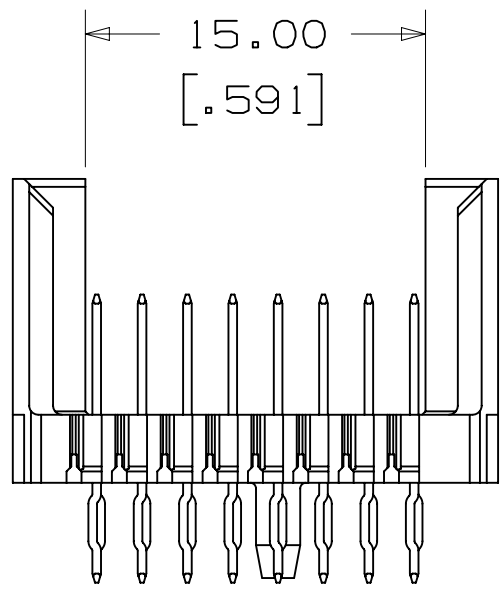
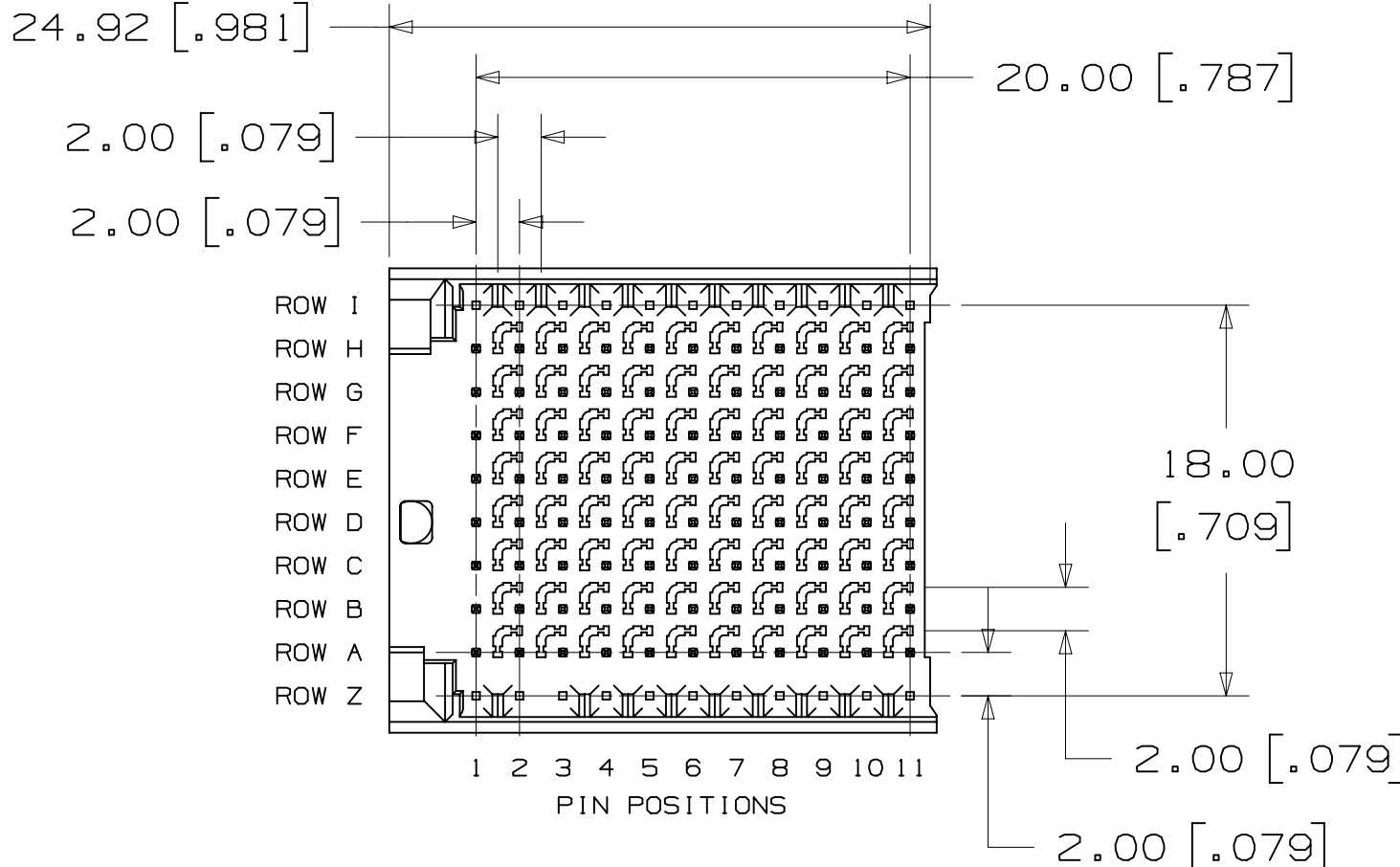
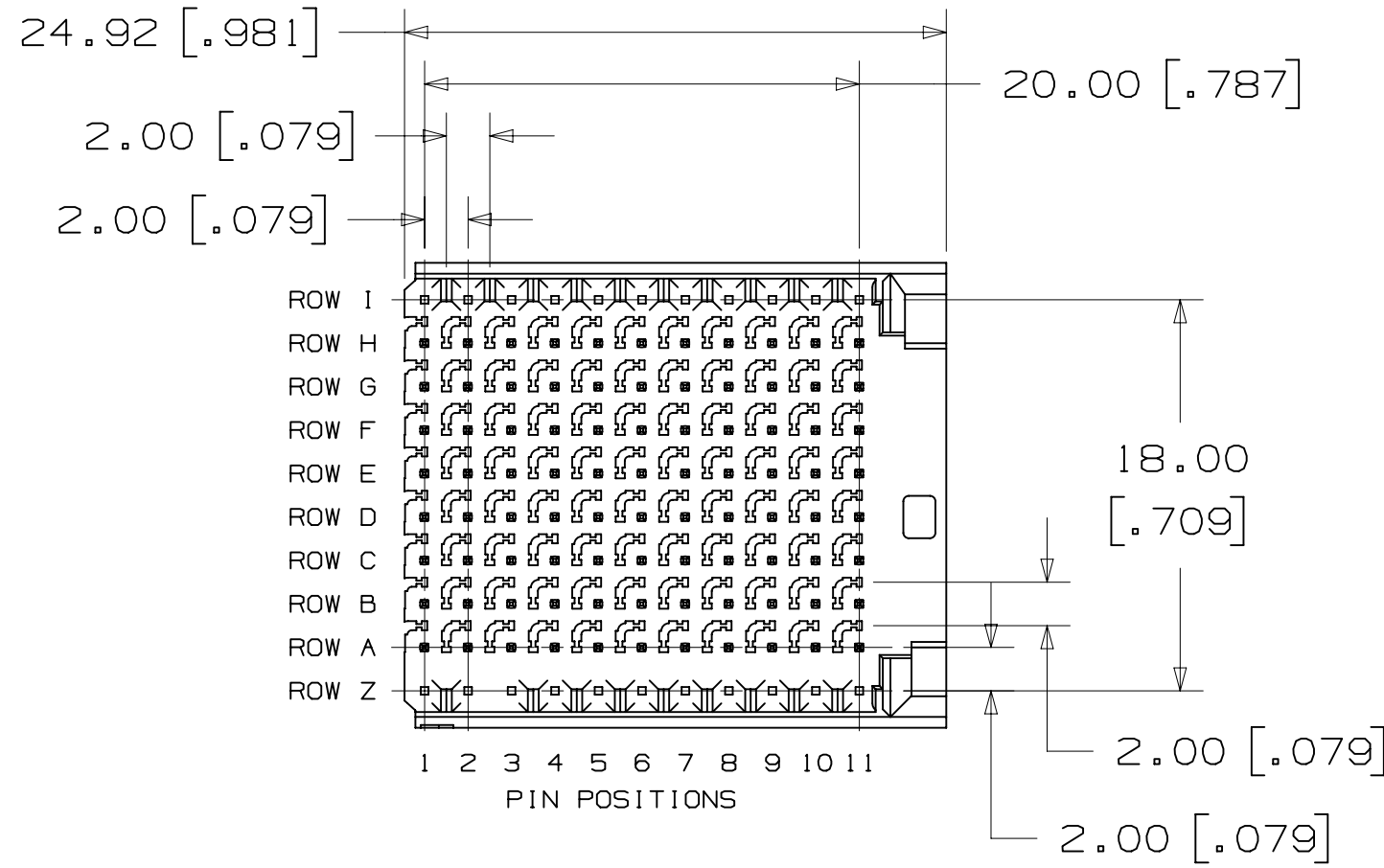
3M™ HM PRESS-FIT HEADER, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS



HM-H176DG1-8CX1
HM-H220DG2-8BX1

HM-H176DPWR1-8CXX
HM-H220DPWR2-8BXX

DIM. "B" TAIL LENGTH
1 = 4.4 [.17] PIN, 2.0 [.08] POWER
AND 2.0 [.08] ESD
2 = 4.4 [.17] PIN, 4.4 [.17] POWER
AND 2.0 [.08] ESD

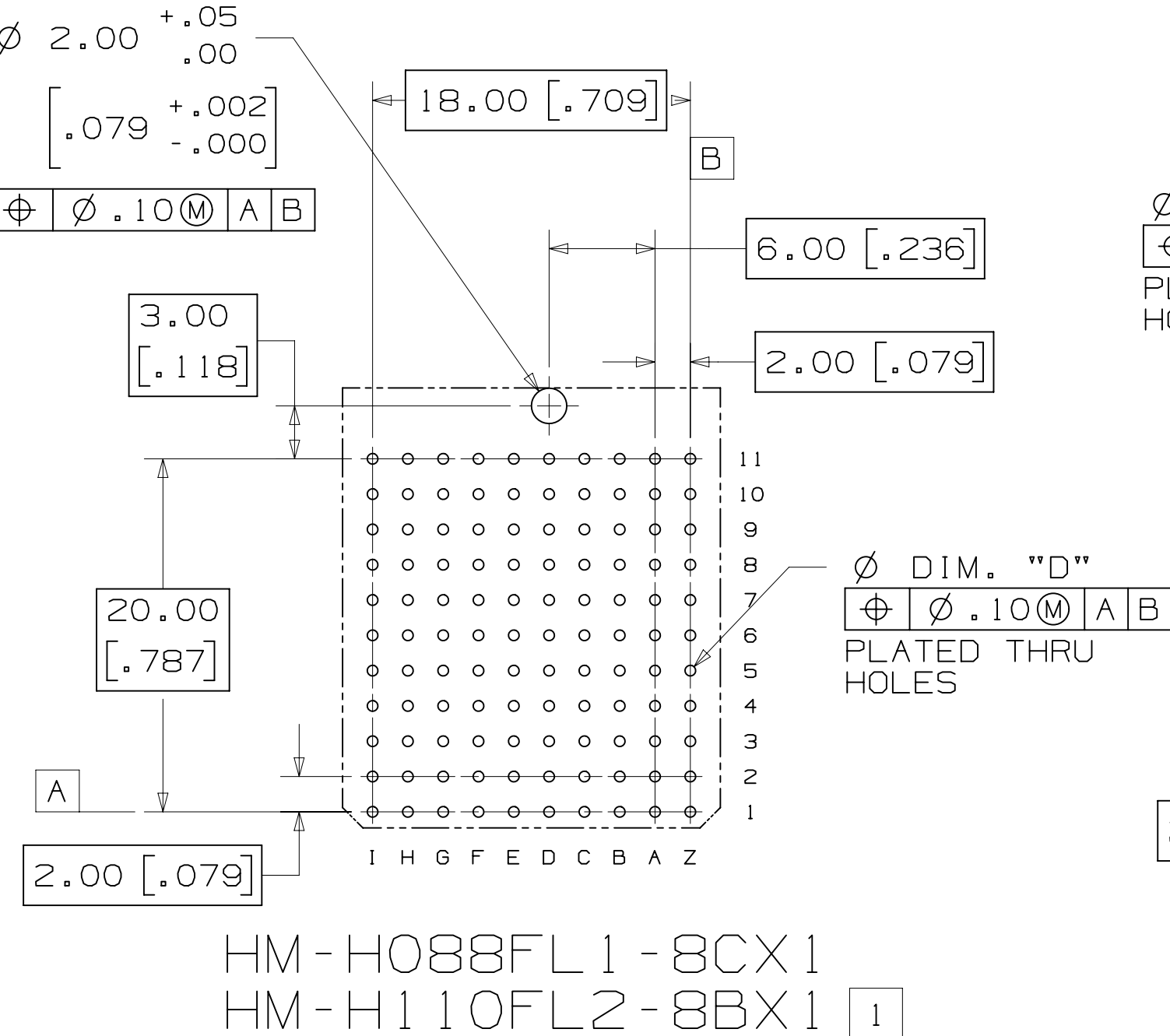
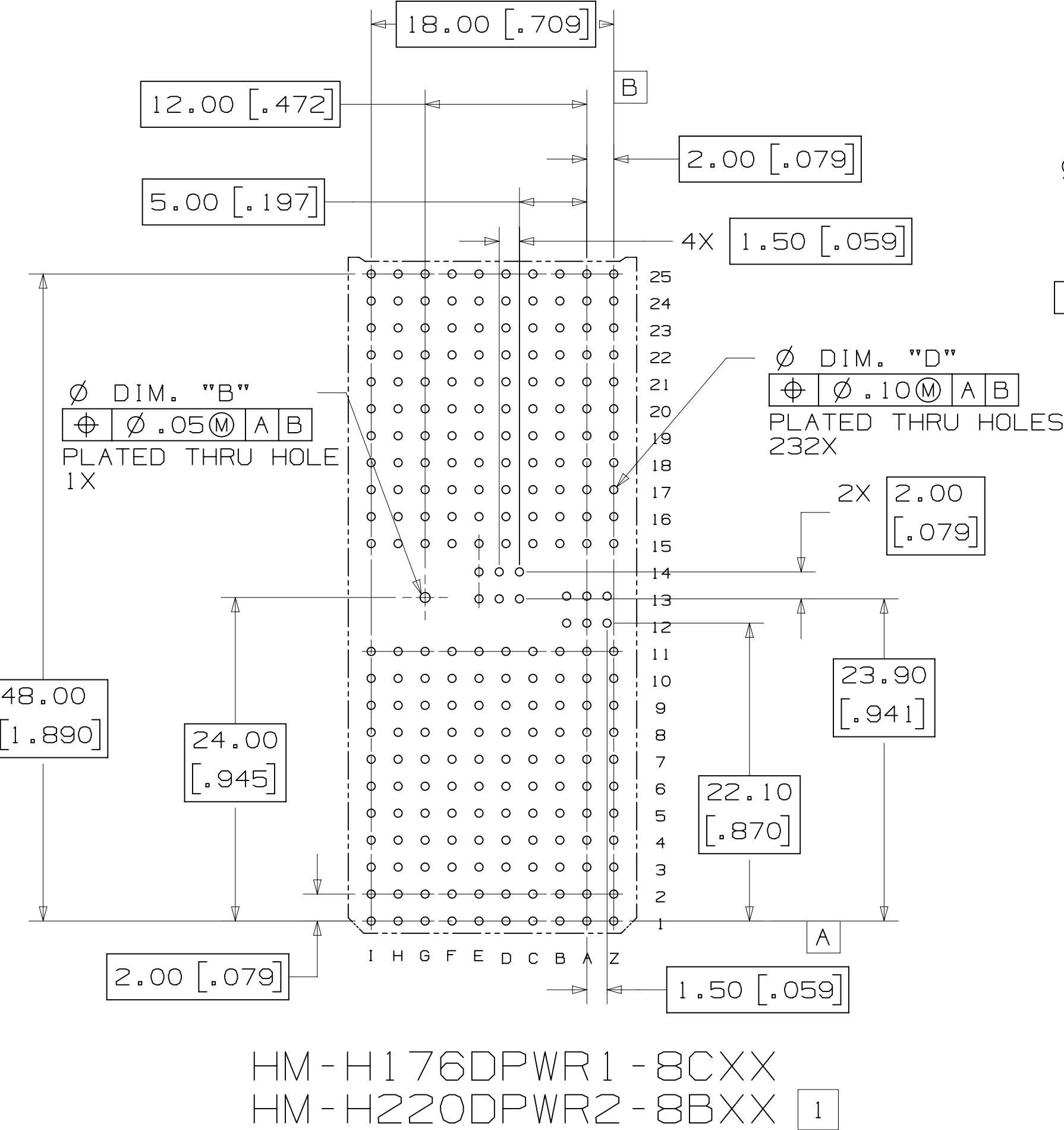
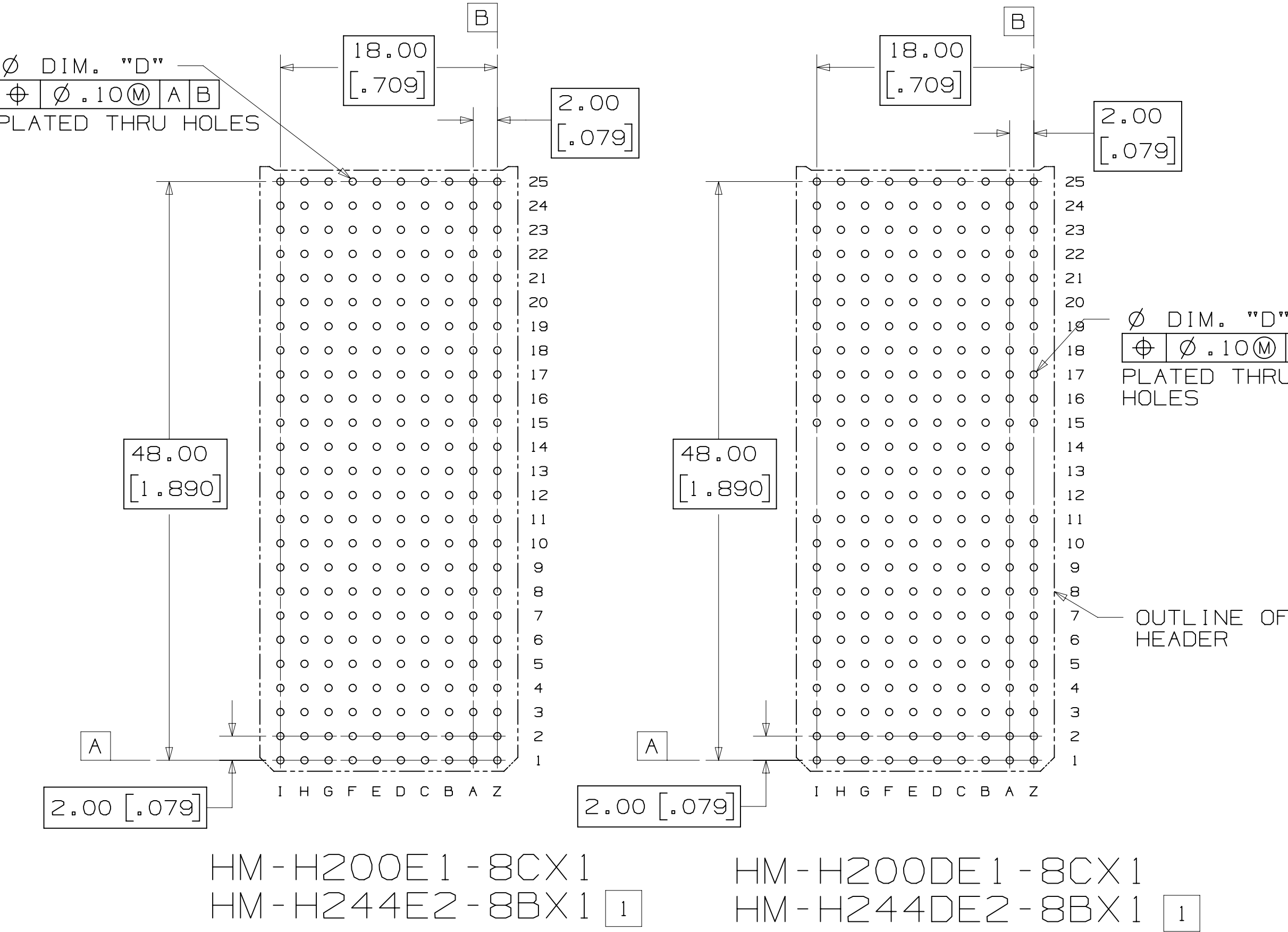


HM-H088FL1-8CX1
HM-H110FL2-8BX1

HM-H088FR1-8CX1
HM-H110FR2-8BXX1

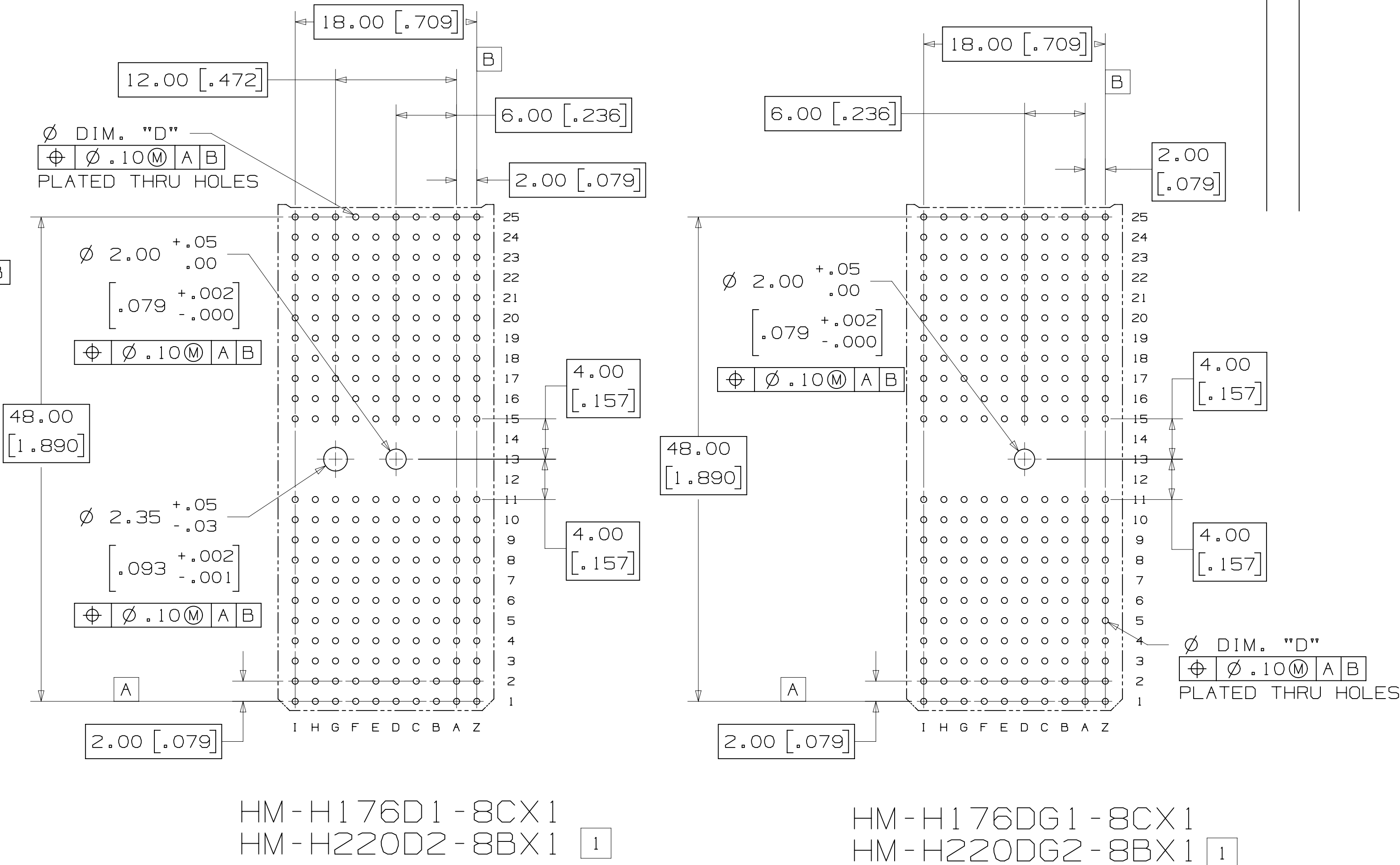
DESIGN REFERENCE		NEXT ASSEMBLY		A 39815		MAR 28, 2012		JNC	TS
REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
DISTRIB CODES		DIVISION CODE		3M Center		St. Paul, MN 55144		© 3M COPYRIGHT 2012	
CHKD		DATE		MAR 28, 2012		APPR		DATE	
T. SUNIGA		MAR 28, 2012		3M		This document and the information it contains 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.		HM PRESS-FIT HEADER, 8-ROW, HM SERIES	
DO NOT SCALE DRAWING		SCALE 3/1		TOLERANCES EXCEPT AS NOTED		INCHES .00 ± .01 .000 ± .005 .0000 ±		MILLIMETERS 0 ± .3 .00 ± .13 .000 ±	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		MAX SURFACE ROUGHNESS		SURFACES		MARKED ONLY	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		A	
D 78-5100-2517-0		SHT 3 OF 4		LISTS		YES		NO	

3M™ HM PRESS-FIT HEADER, 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]



HM-H176DG1-8CX1
HM-H220DG2-8BX1

NOTES
1 ROW 1 AND Z HOLES ARE ONLY USED FOR HM-HXXXX2-8BX1 STYLE HEADER.

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
INTERCONNECT SOLUTIONS	ISD	CASTIGLIONE	MAR 28, 2012	MFG DATE		
DO NOT SCALE DRAWING	SCALE 3/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 1994					
MAX SURFACE ROUGHNESS	1.3					
MARKED ONLY						
TITLE		HM PRESS-FIT HEADER, 8-ROW, HM SERIES				
CAGE NUMBER		D 78-5100-2517-0				
MODEL		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

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- 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.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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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

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