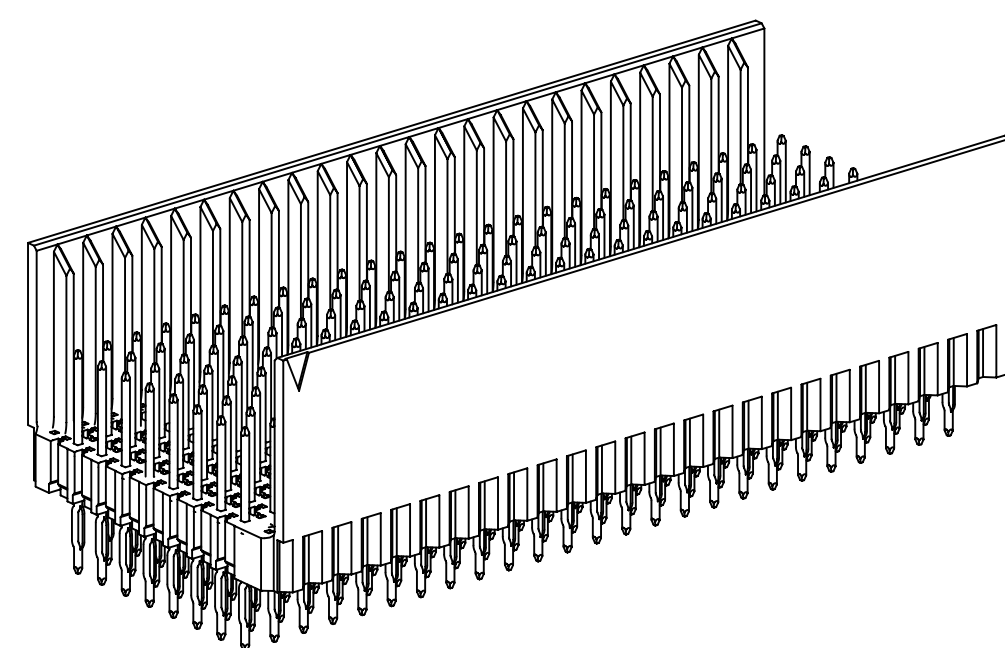
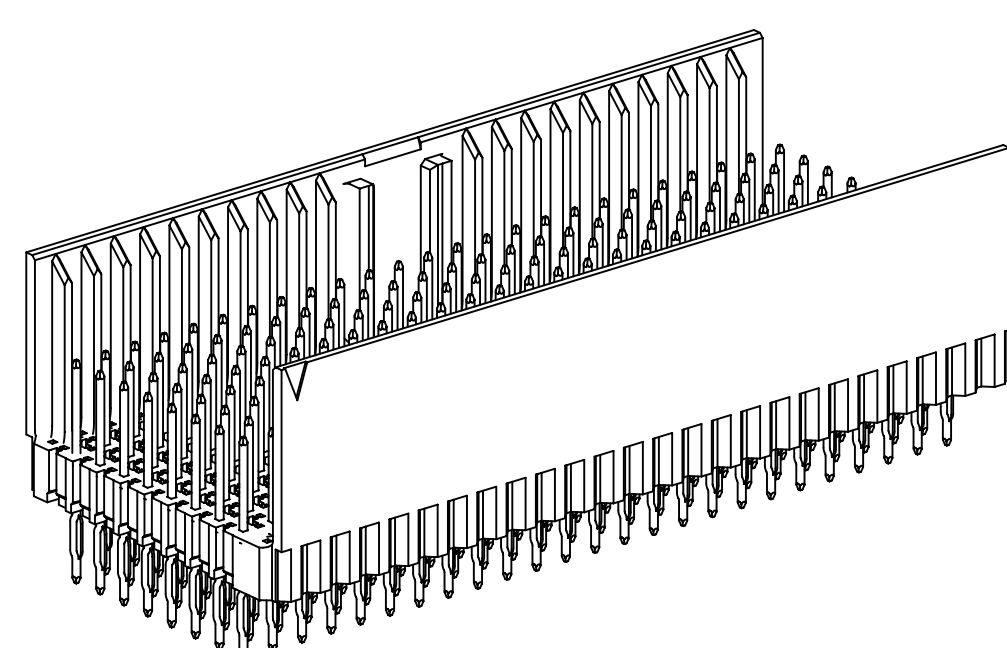


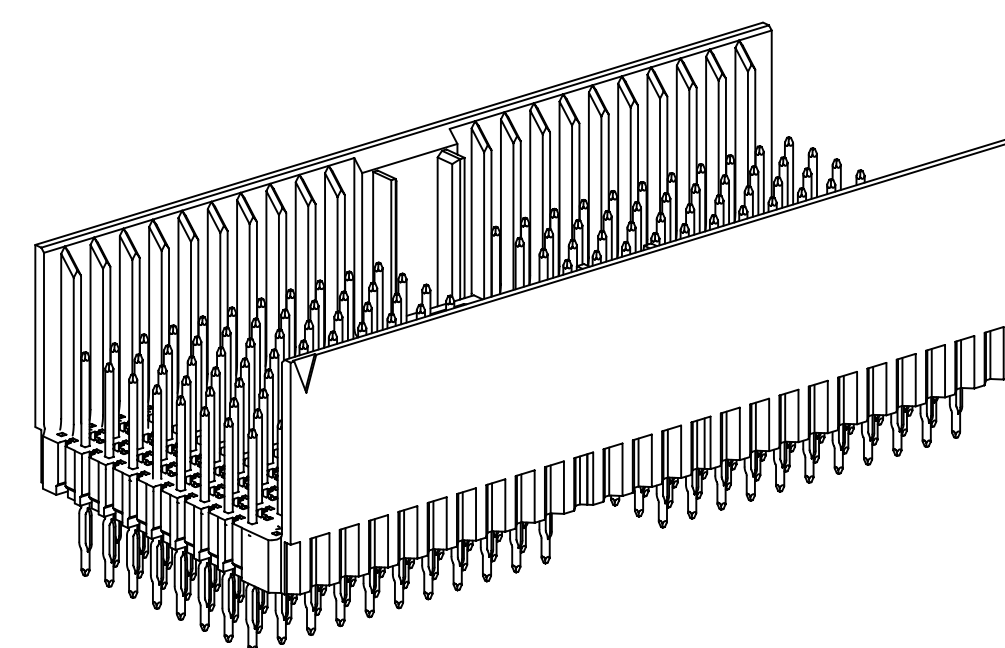
3M™ HM PRESS-FIT HEADER, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS



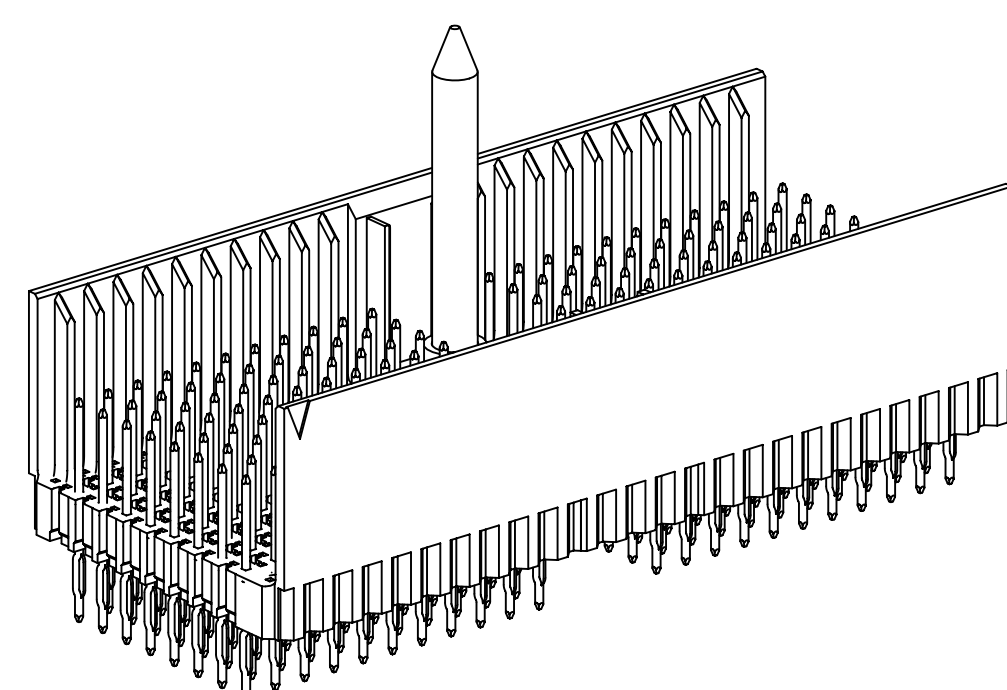
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HM-H244E2-8BX1



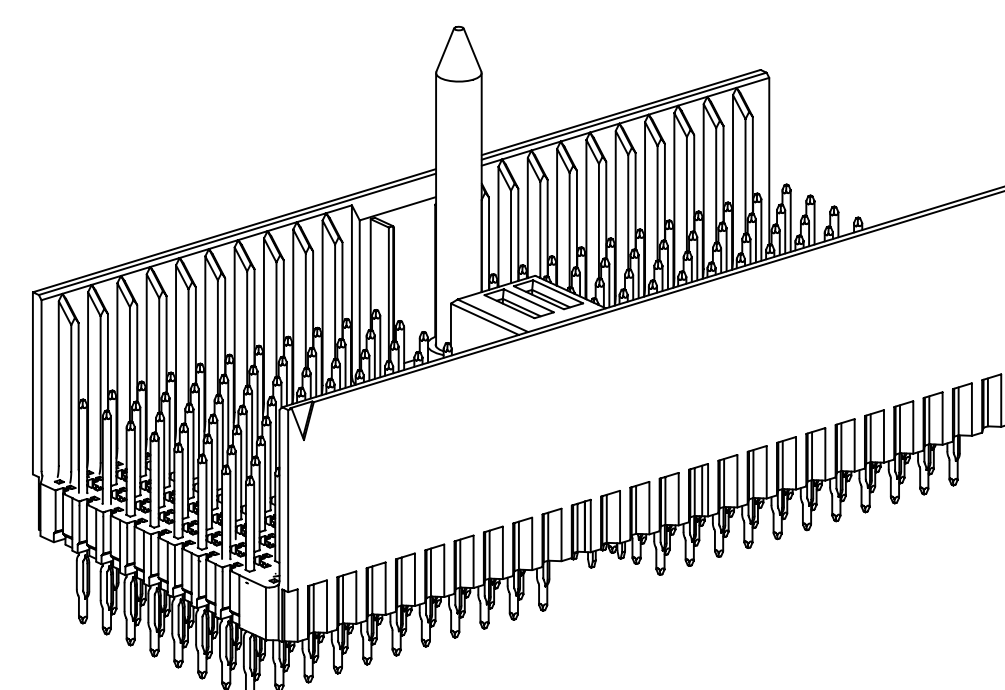
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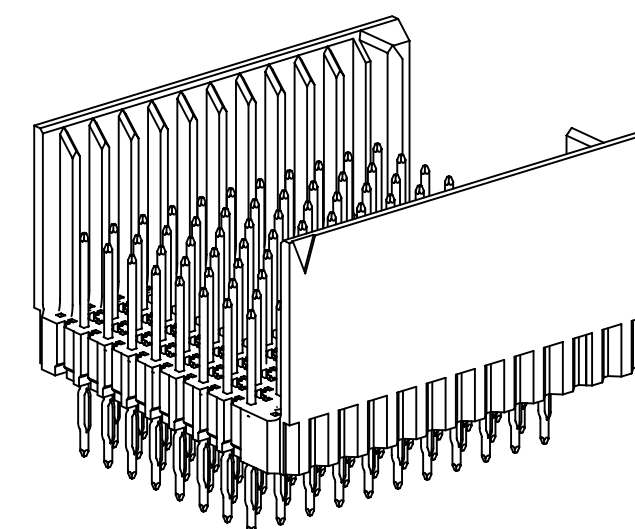
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HM-H220D2-8BX1



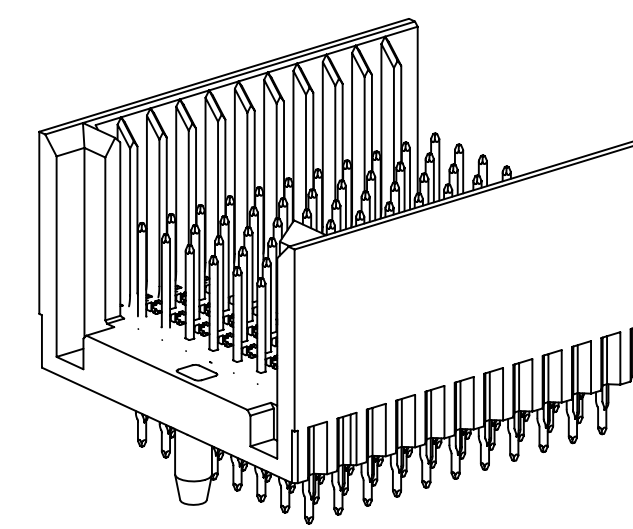
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HM-H220DG2-8BX1



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



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



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

(UNLESS OTHERWISE SHOWN)
ORDERING INFORMATION
(ROWS I 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 I 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.

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

- * 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.

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)

ELECTRICAL:

CURRENT RATING (FULLY LOADED): 1A @ 70°C SIGNAL
INSULATION RESISTANCE: 1 X 10⁴ MΩ @ 100 V_{DC}
WITHSTANDING VOLTAGE: 750V_{RMS}

ENVIRONMENTAL:

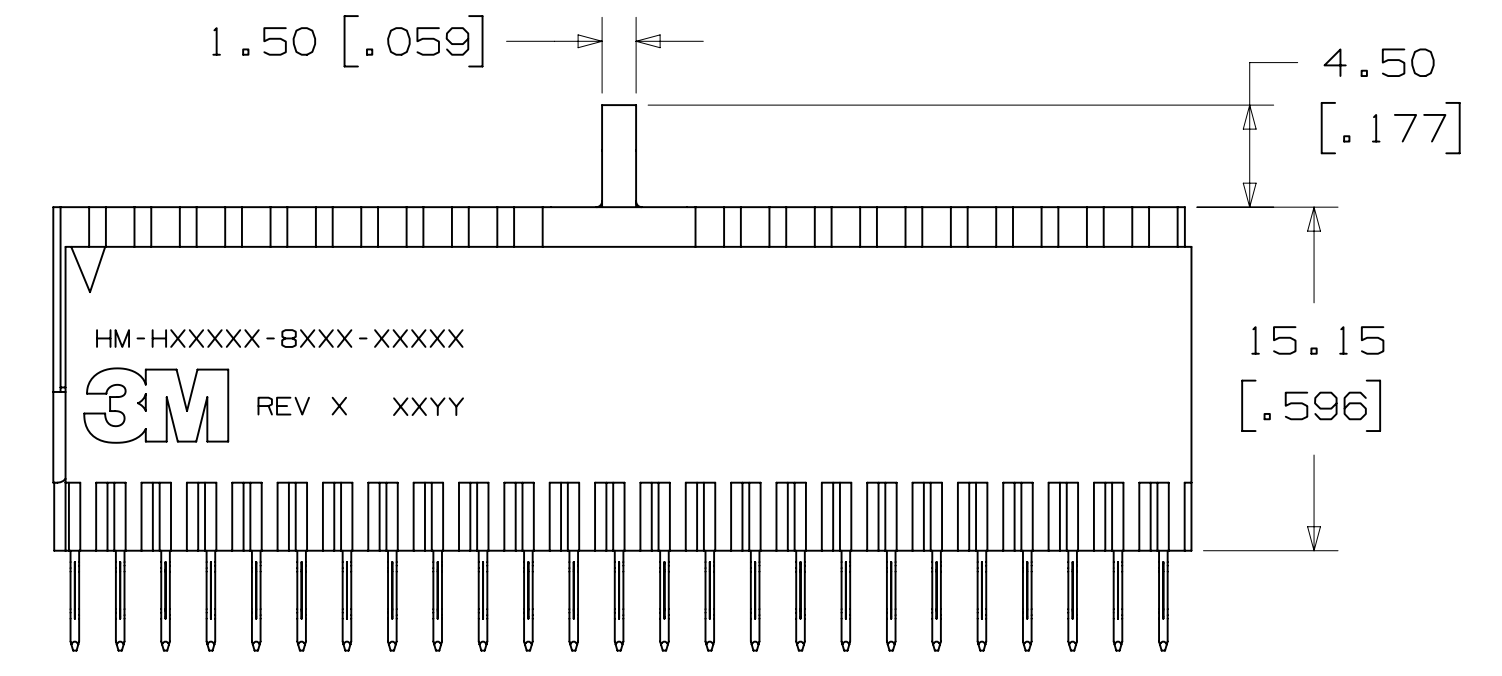
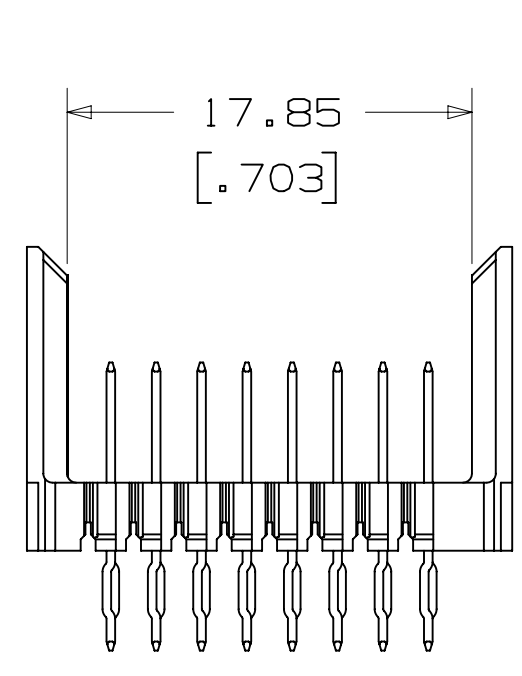
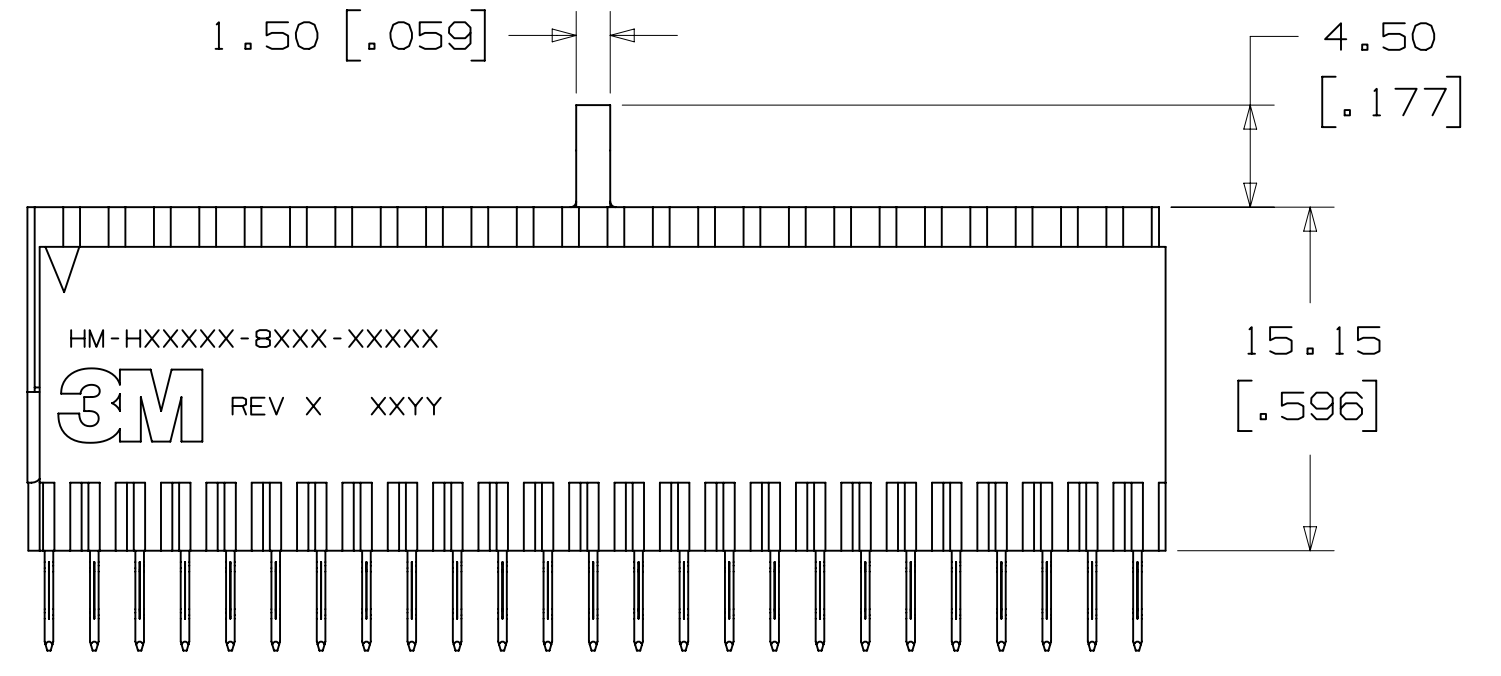
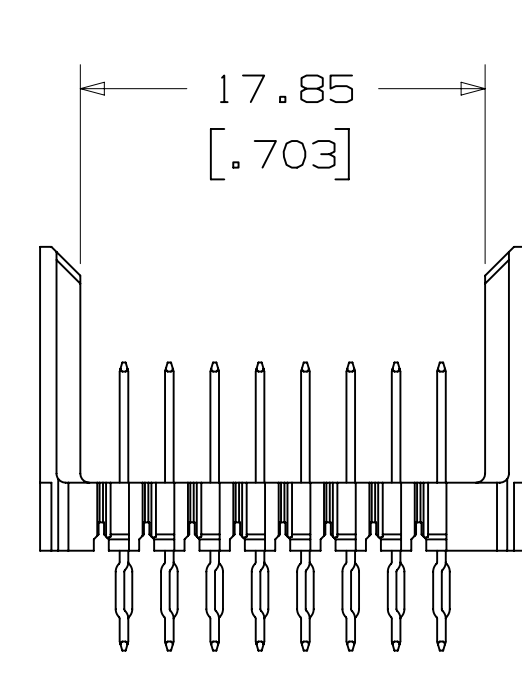
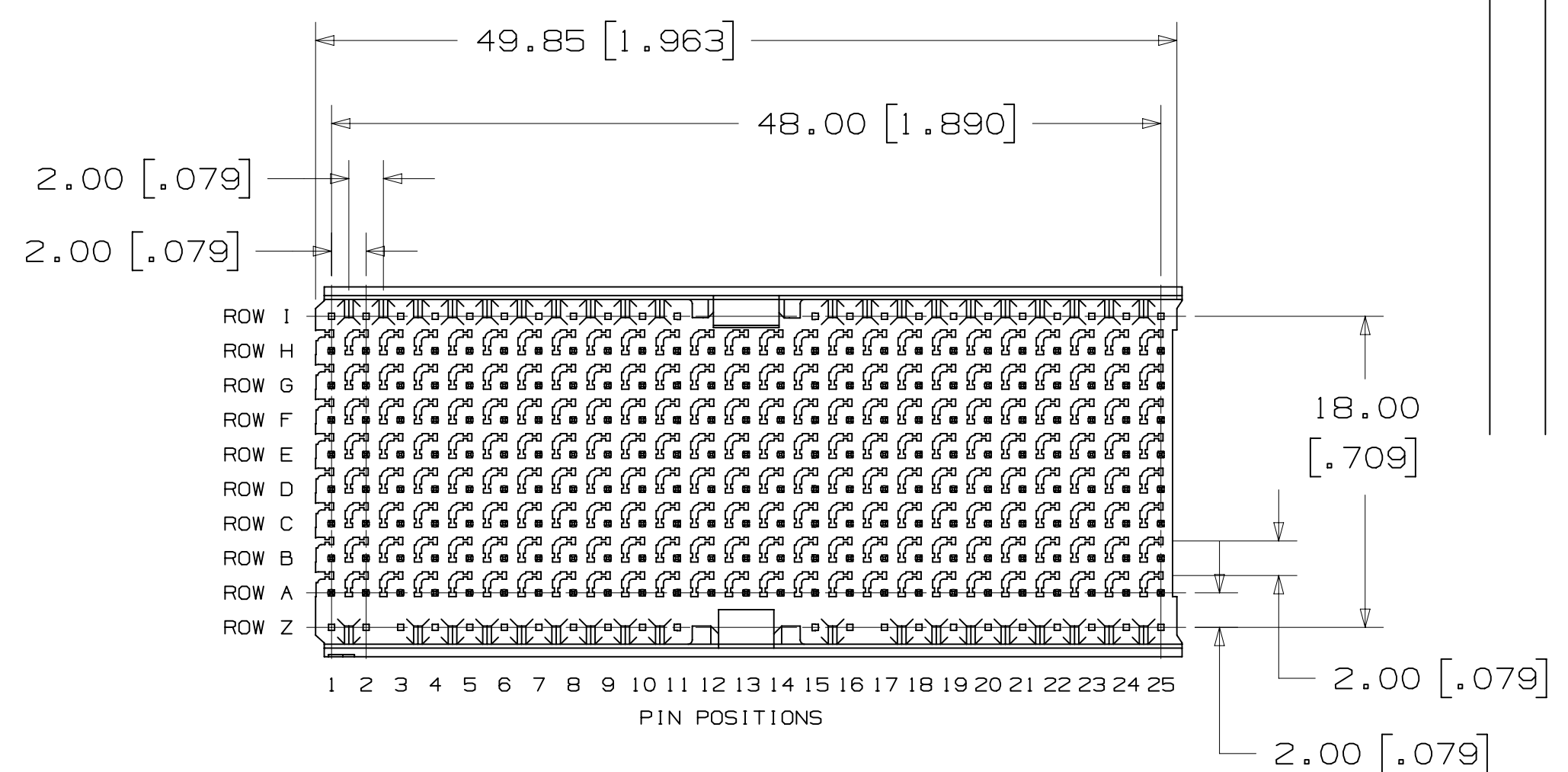
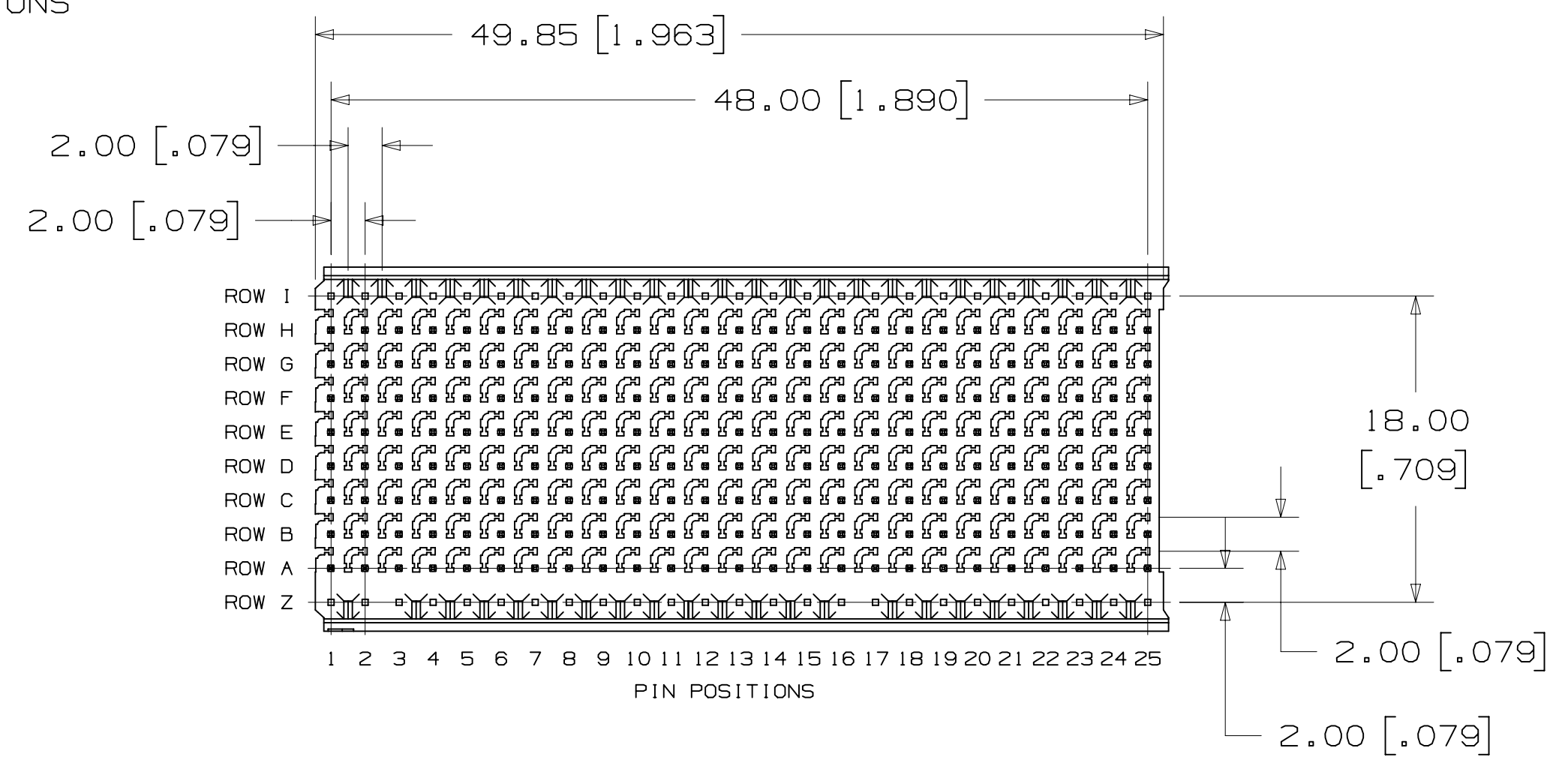
TEMPERATURE RATING: -55°C TO 125°C
PROCESS RATING: MAX. 260°C (PER J-STD-020C)
WITHSTANDING VOLTAGE: 1 (PER J-STD-020C)

DIMENSIONS: MM [INCHES]

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| DESIGN REFERENCE | NEXT ASSEMBLY | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
| | | | | MAR 28, 2012 | | |
| DIVISION | | DIVISION CODE | | DATE | | |
| Interconnect Solutions | | ISD | | T. SUNIGA | | |
| DO NOT SCALE DRAWING | SCALE 5/2 | TOLERANCES EXCEPT AS NOTED | | DATE | | |
| THIRD ANGLE PROJECTION | | INCHES | | DATE | | |
| INTERPRET PER ASME Y14.5 - 1994 | | MILLIMETERS | | DATE | | |
| MAX SURFACE ROUGHNESS | | .00 ± .01 | | DATE | | |
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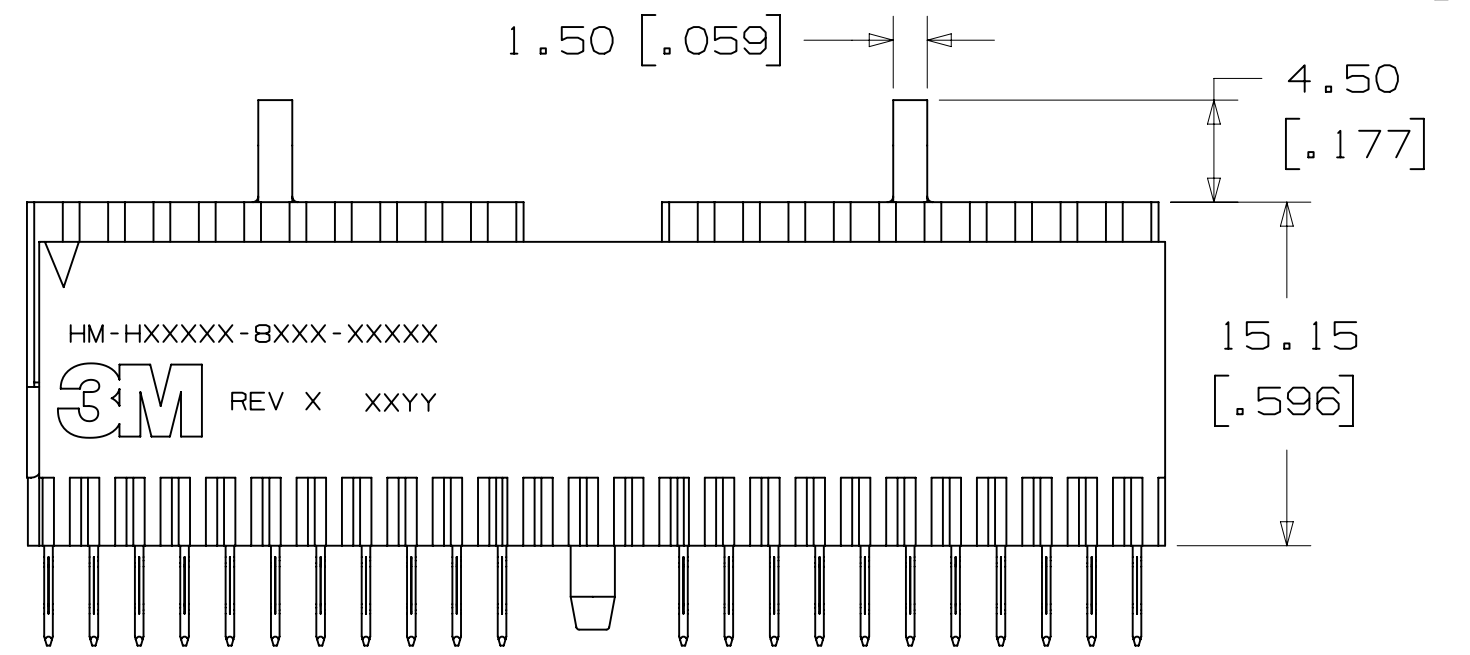
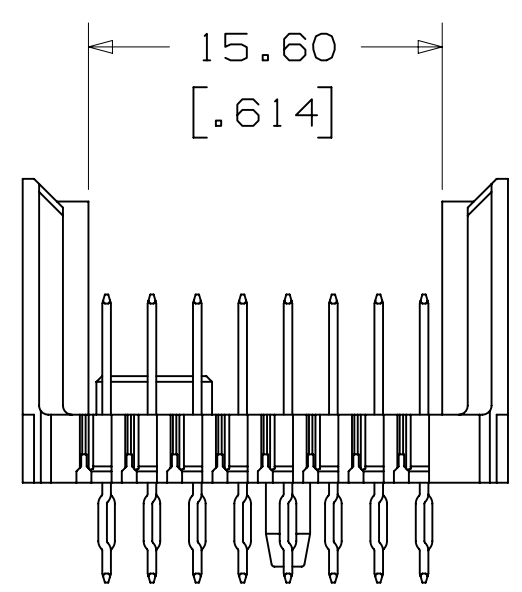
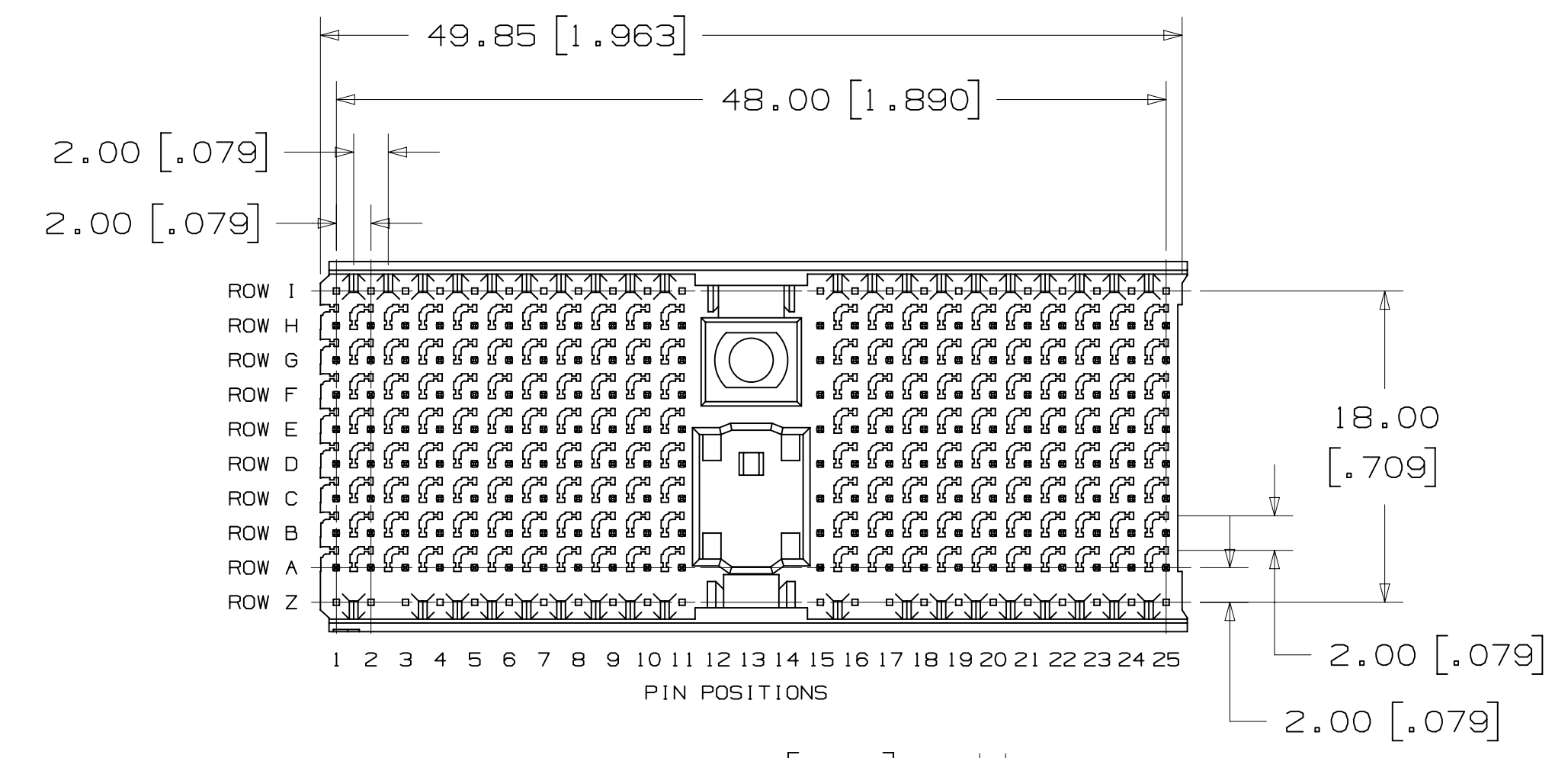
3M™ HM PRESS-FIT HEADER, 8-ROW, HM SERIES
FOR HARD METRIC APPLICATIONS

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

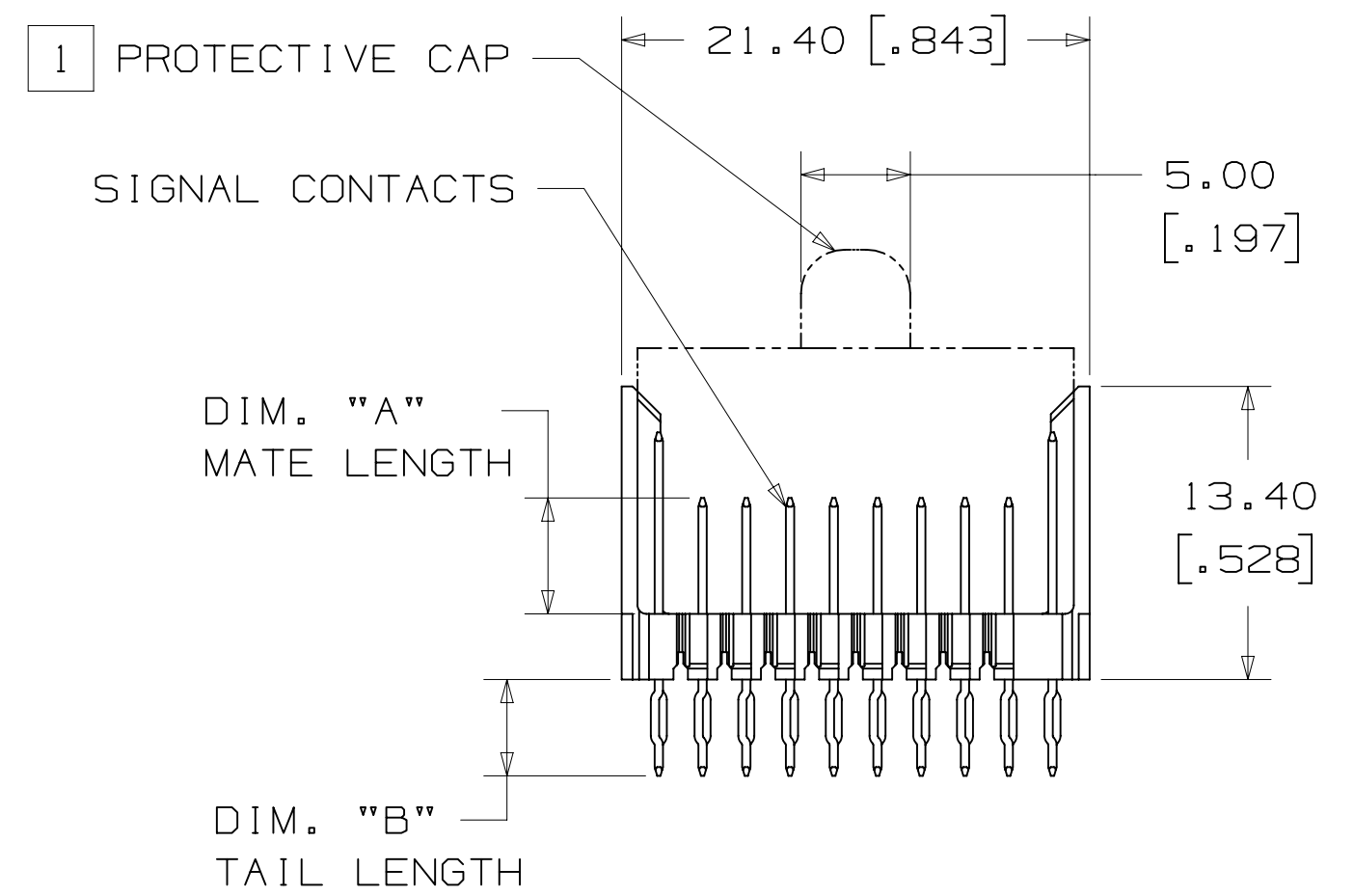


HM-H200E1-8CX1
HM-H244E2-8BX1

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



HM-H176D1-8CX1
HM-H220D2-8BX1



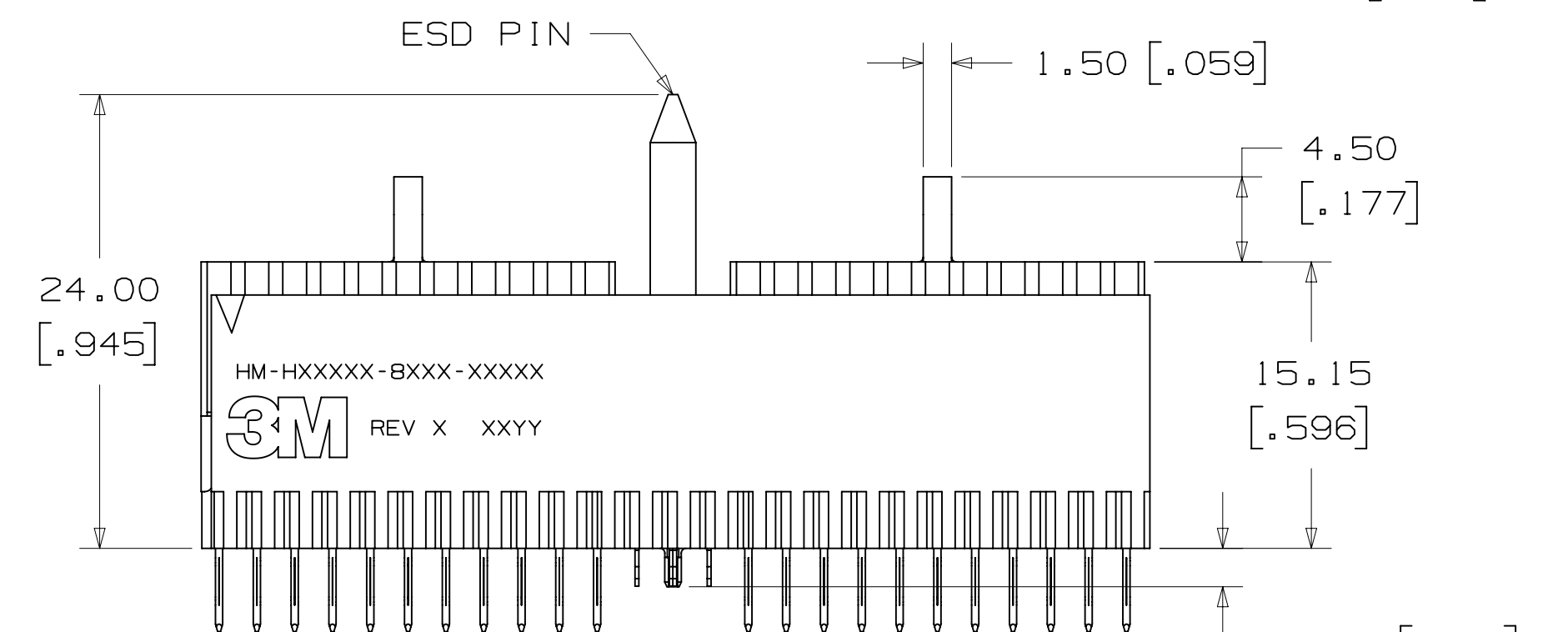
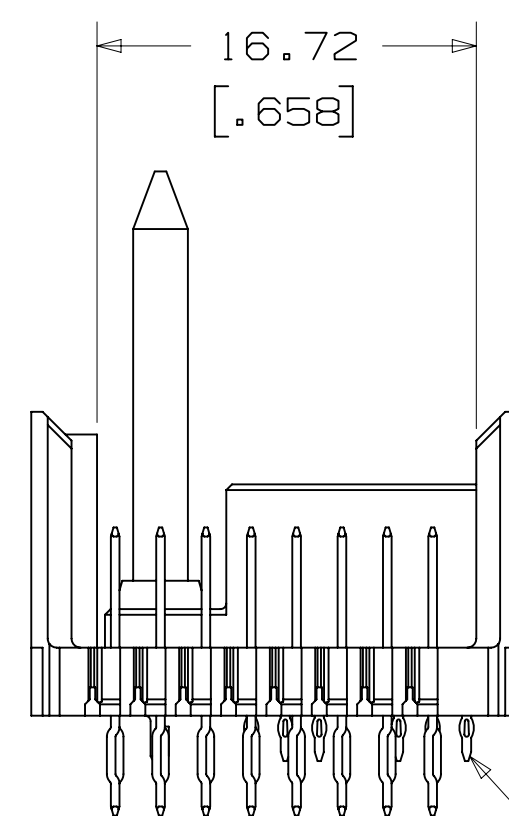
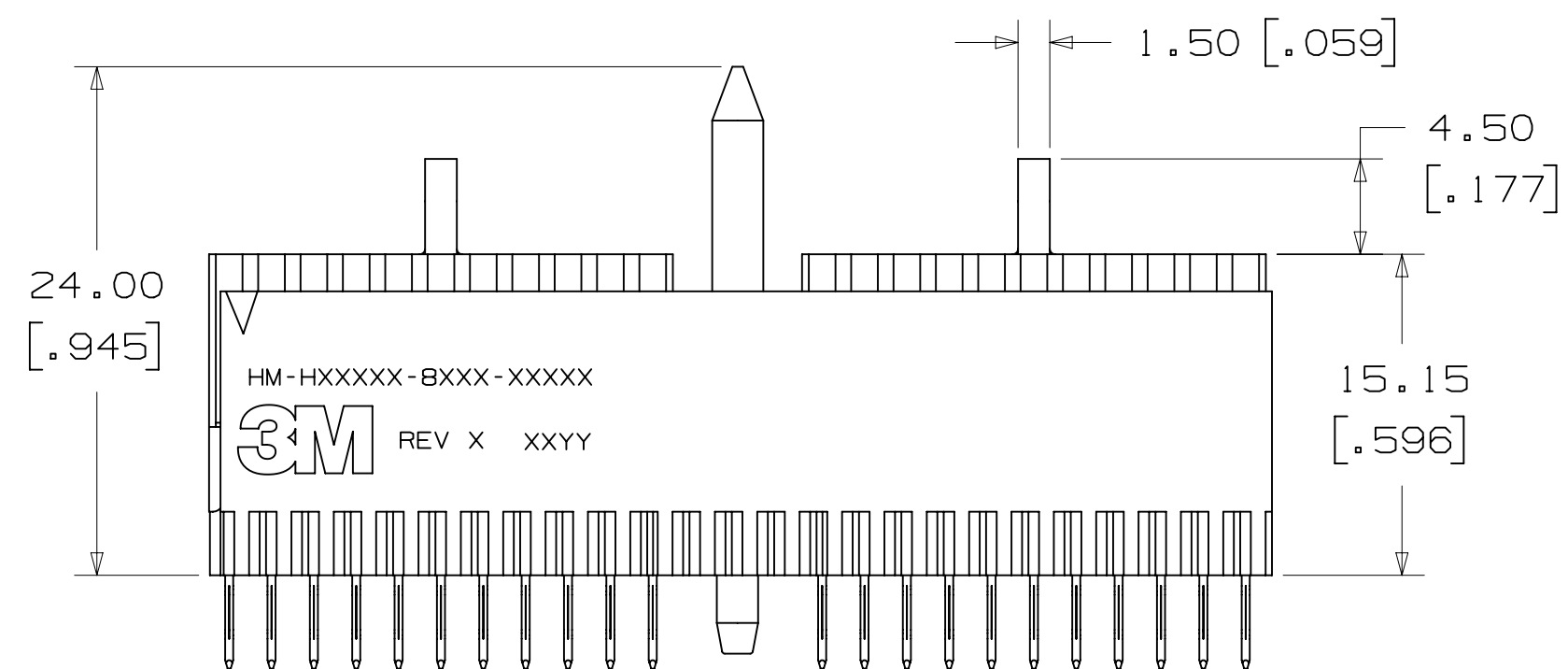
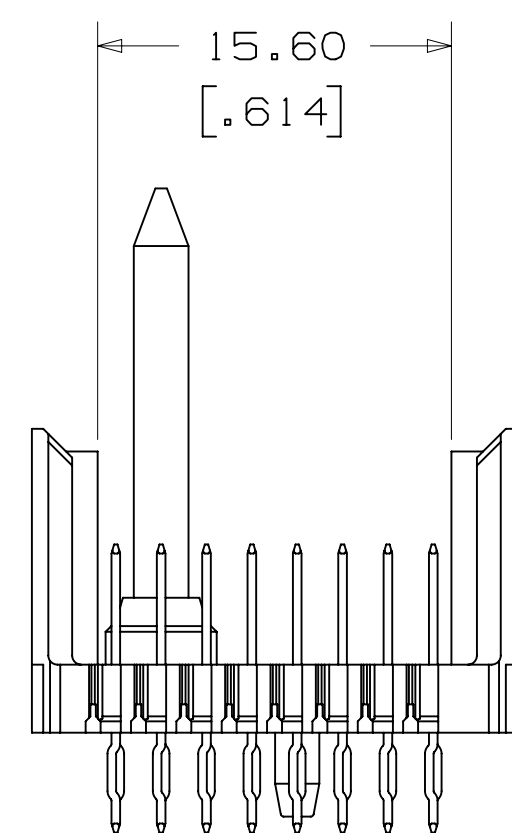
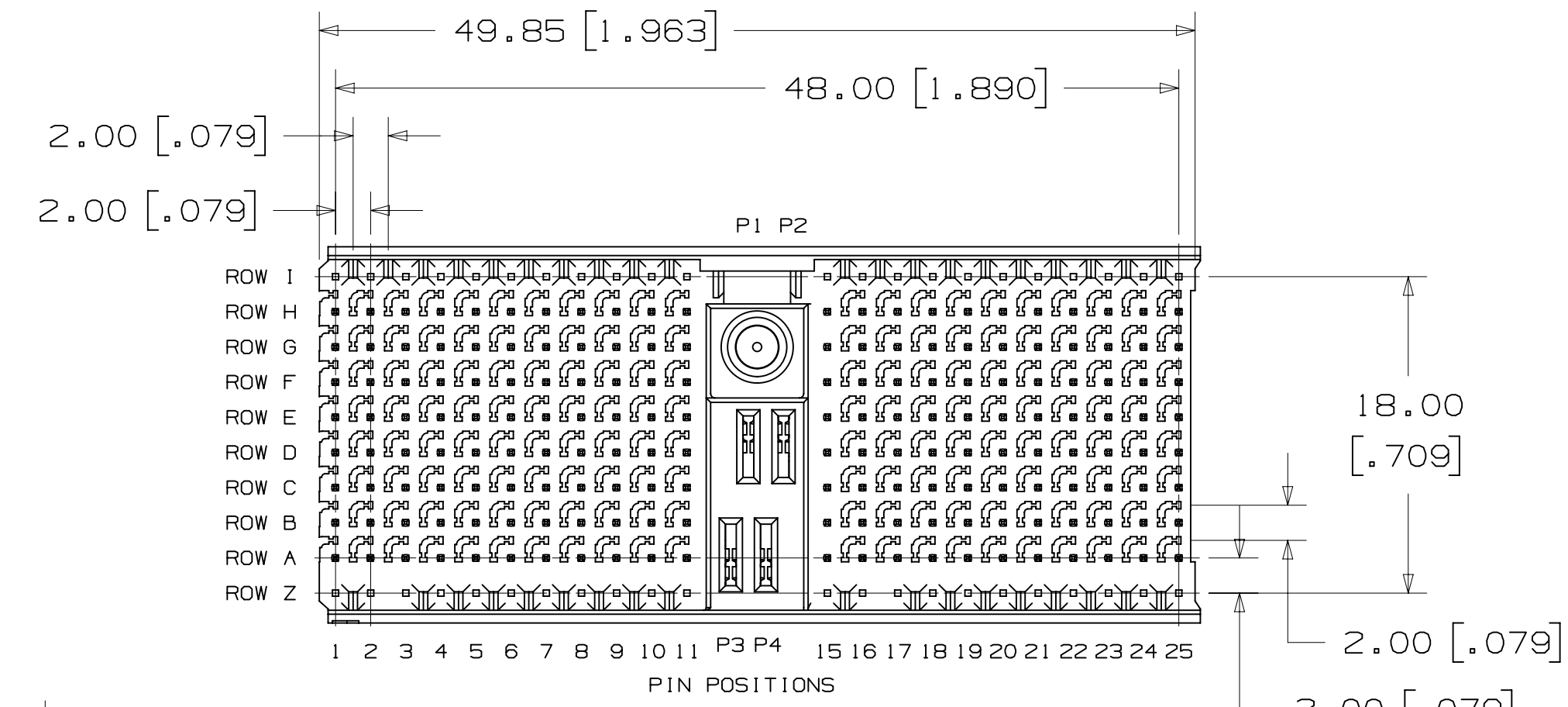
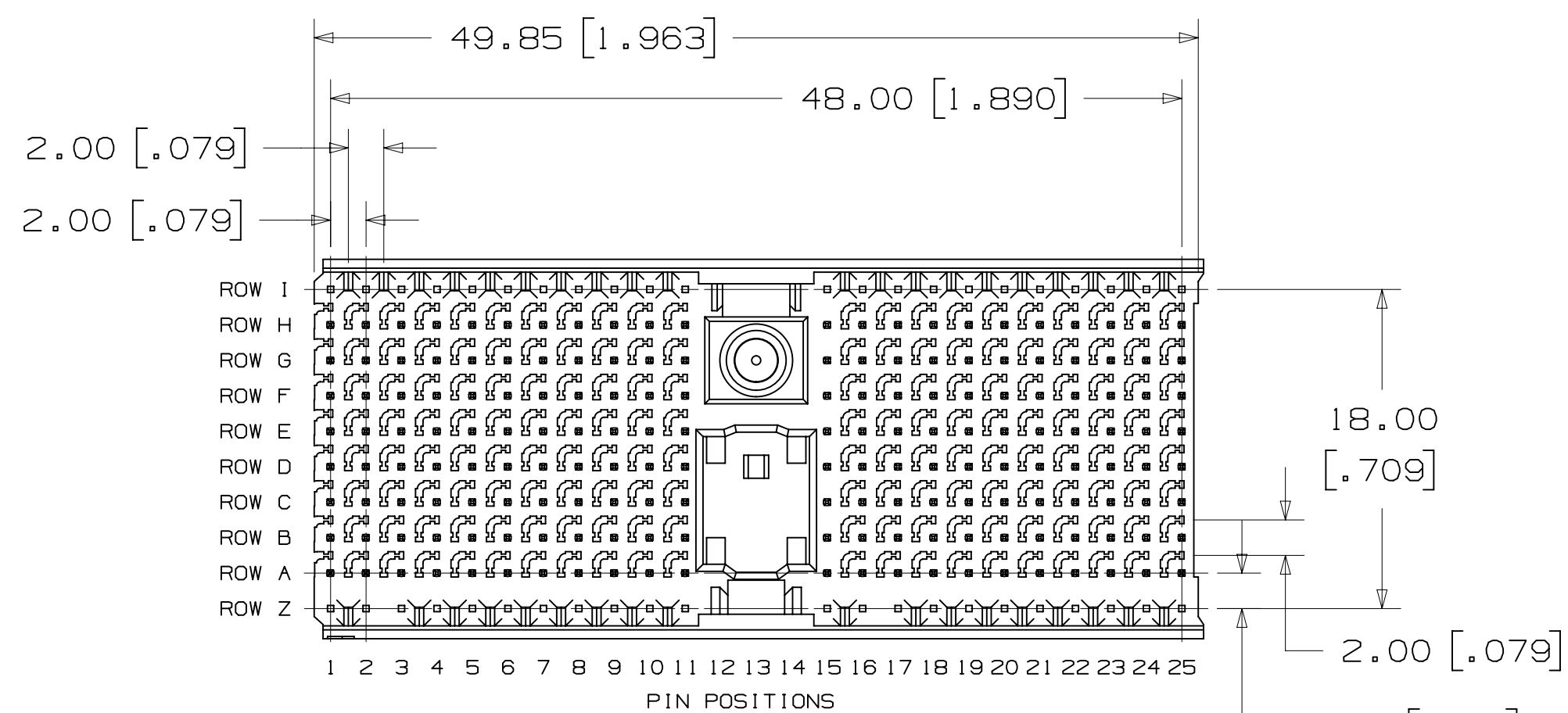
TYPICAL SIDE VIEW DIMENSIONS FOR THE HEADERS ON THIS DRAWING

STANDARD CONFIGURATION
DIM. "A" 5.3 [.21] FOR ROWS A THRU H
DIM. "B" 4.4 [.17] EXCEPT AS NOTED
FOR NON-STANDARD CONFIGURATIONS CONTACT A 3M SALES REPRESENTATIVE

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| DESIGN REFERENCE | NEXT ASSEMBLY | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
| | | | | MAR 28, 2012 | | |
| DIVISION | | DIVISION CODE | | DATE | | |
| Interconnect Solutions | | ISD | | MAR 28, 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 | | |
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| TITLE | | HM PRESS-FIT HEADER, 8-ROW, HM SERIES | | | | |
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3M™ HM PRESS-FIT HEADER, 8-ROW, HM SERIES

FOR HARD METRIC APPLICATIONS

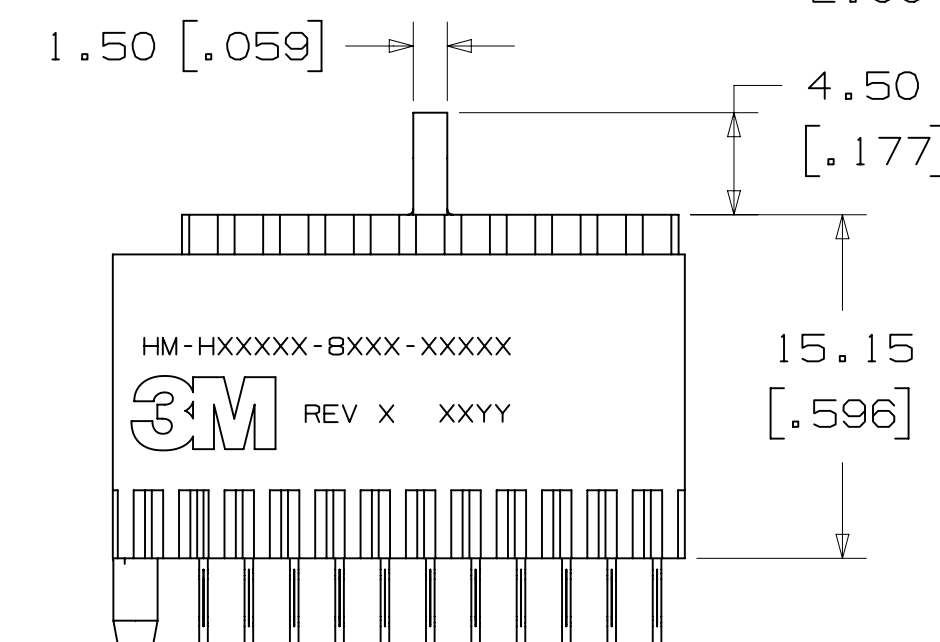
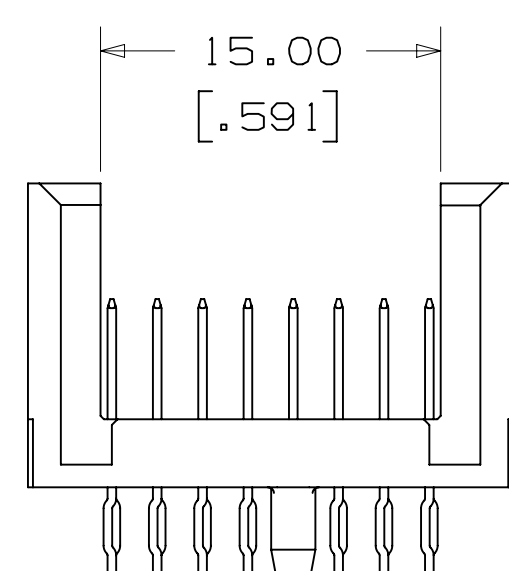
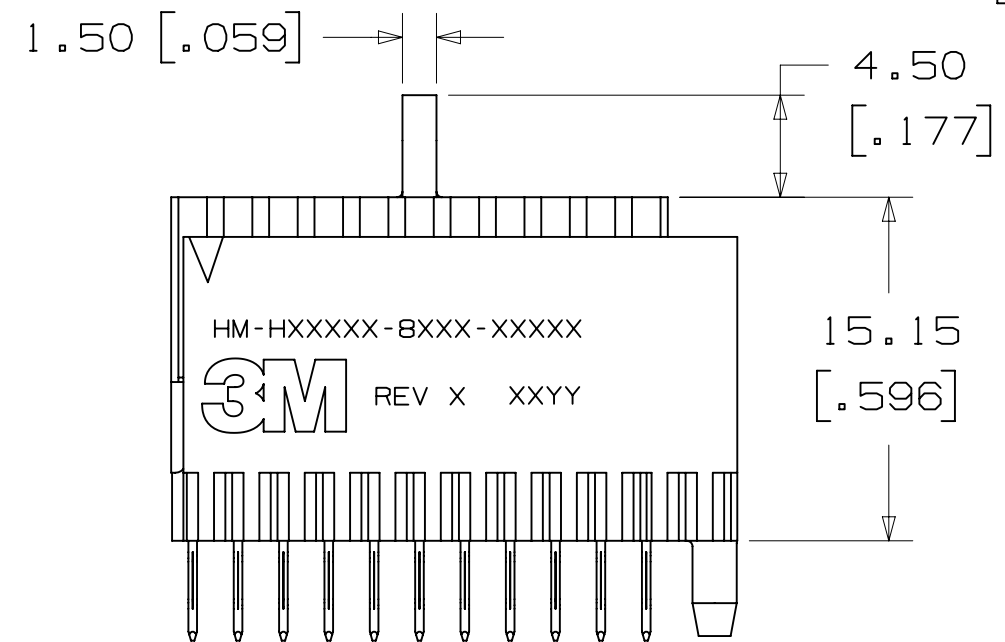
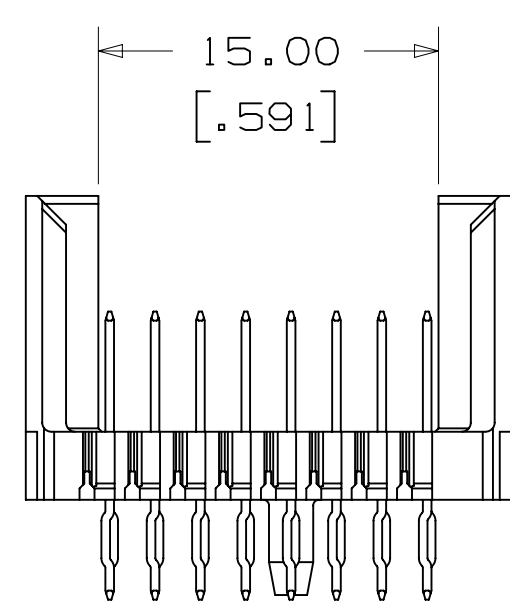
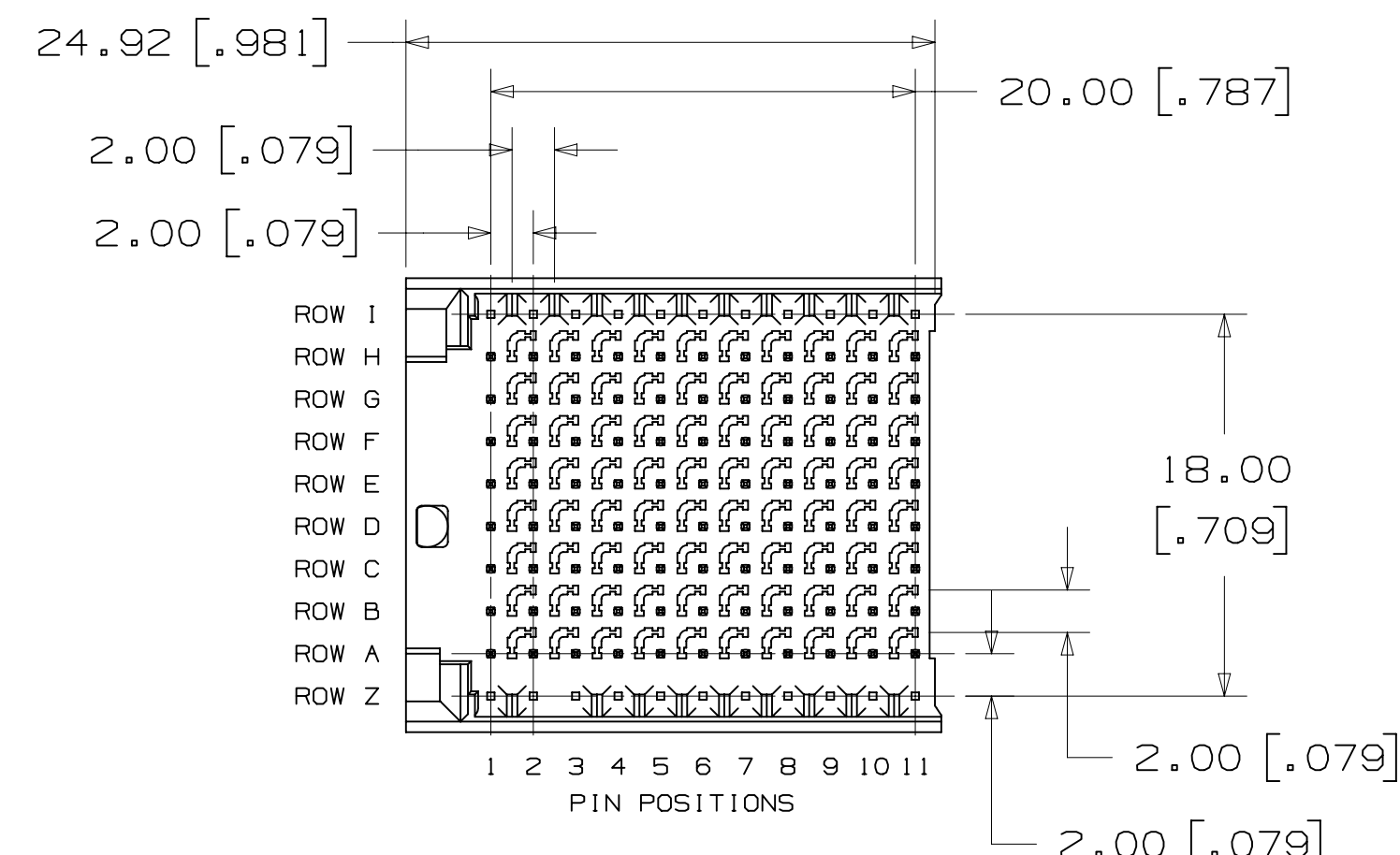
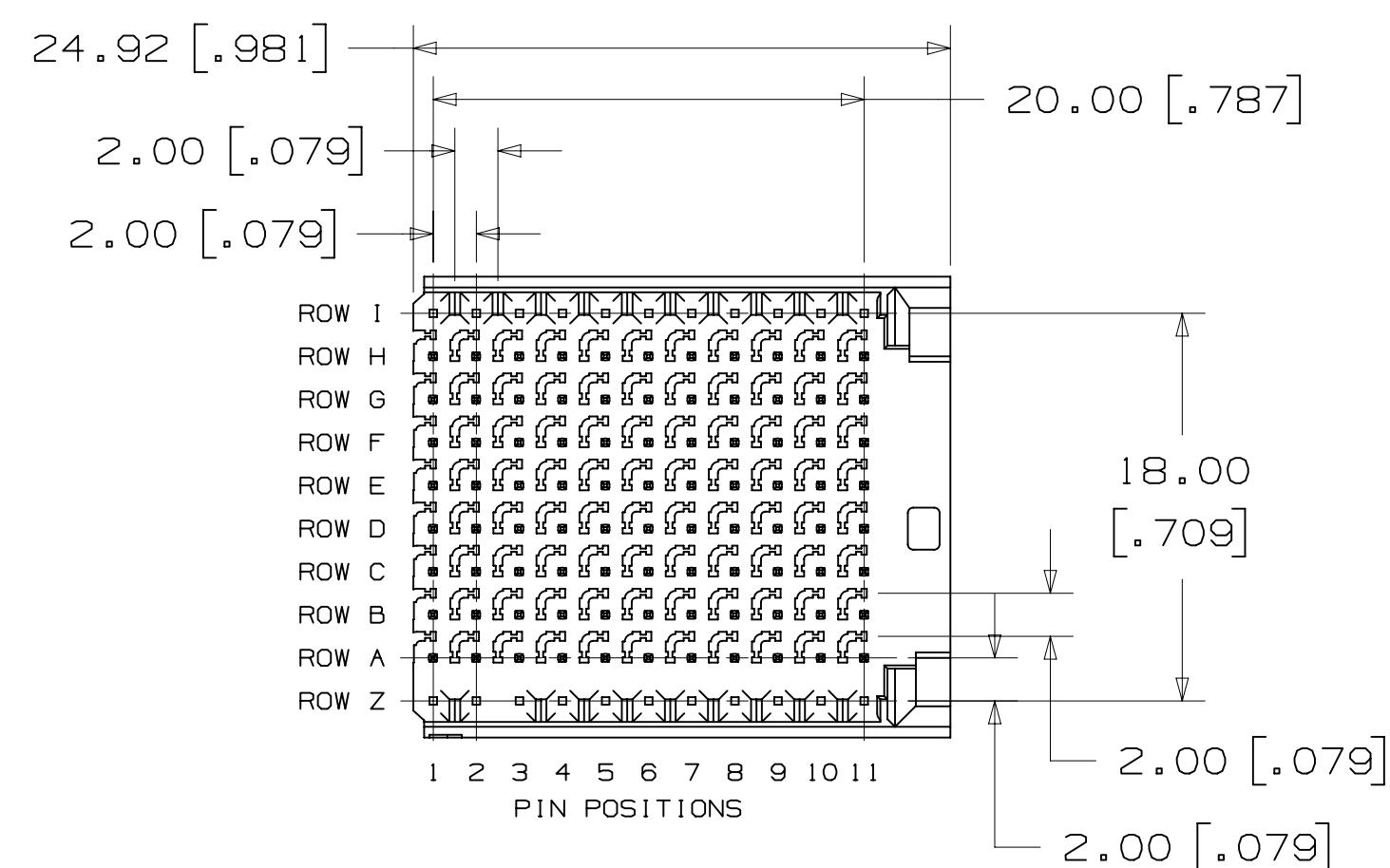


HM-H176DG1-8CX1
HM-H220DG2-8BX1

POWER TAILS
(4 CONTACTS,
12 LEADS)

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 | REV | ECO | ISSUE DATE AND DESCRIPTION | DRFT | CHKD |
| | | A | 39815 | MAR 28, 2012 | JNC | TS |
| DIVISION | | INTERCONNECT SOLUTIONS | | 3M Center St. Paul, MN 55144 | | |
| SCALE | | 3/1 | | © 3M COPYRIGHT 2012 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. | | |
| TOLERANCES EXCEPT AS NOTED | | INCHES | | MILLIMETERS | | |
| THIRD ANGLE PROJECTION | | 0 ± .01 .000 ± .005 -.0000 ± | | 0 ± .3 .00 ± .13 -.000 ± | | |
| MAX SURFACE ROUGHNESS | | 0.4 | | 0.8 | | |
| SURFACES MARKED ONLY | | 0.4 | | 0.8 | | |
| CAGE NUMBER | | D78-5100-2517-0 | | REV. A | | |
| MODEL | | SHT 3 OF 4 | | DATE | | |



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);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- 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.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- 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

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