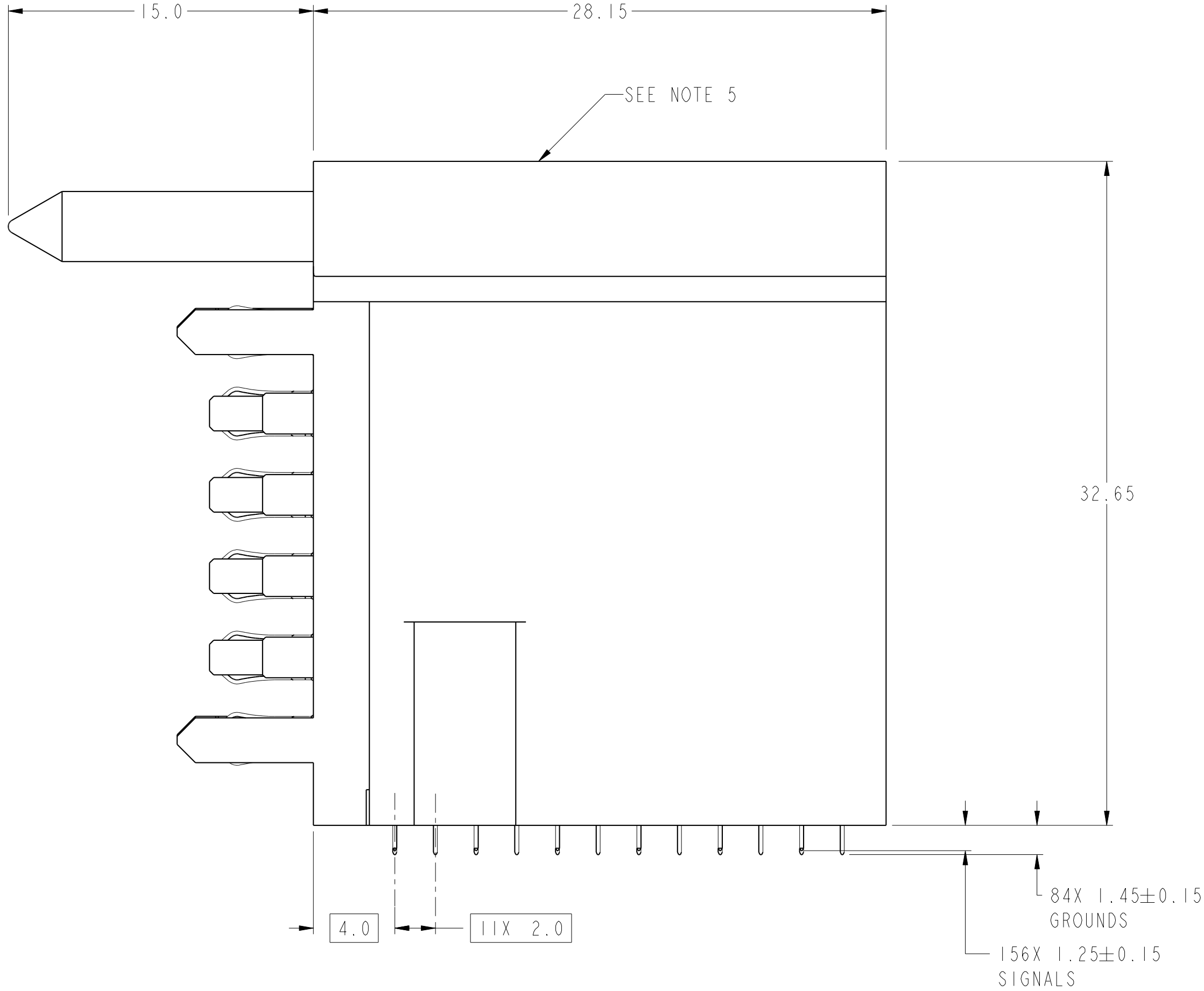
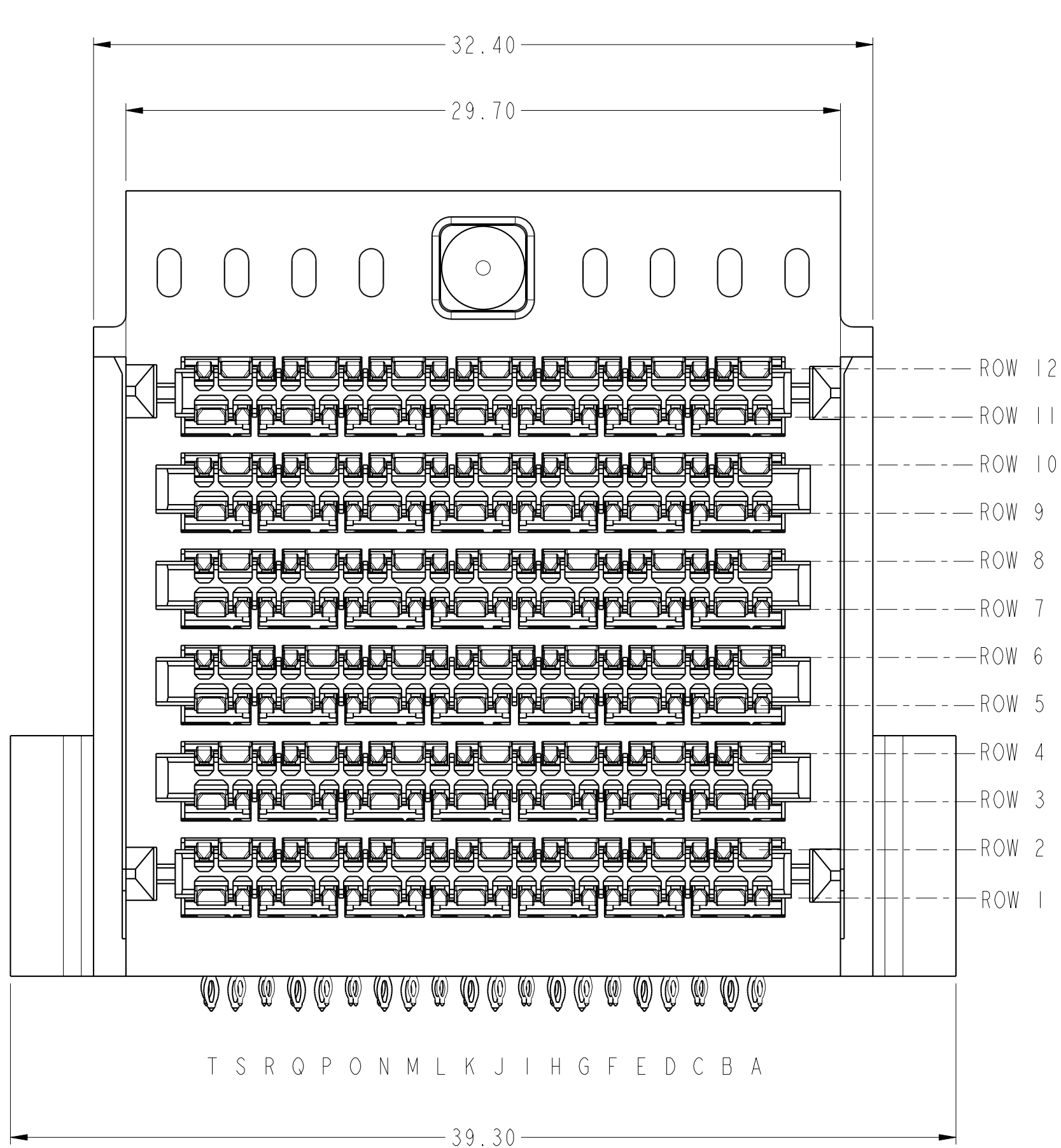
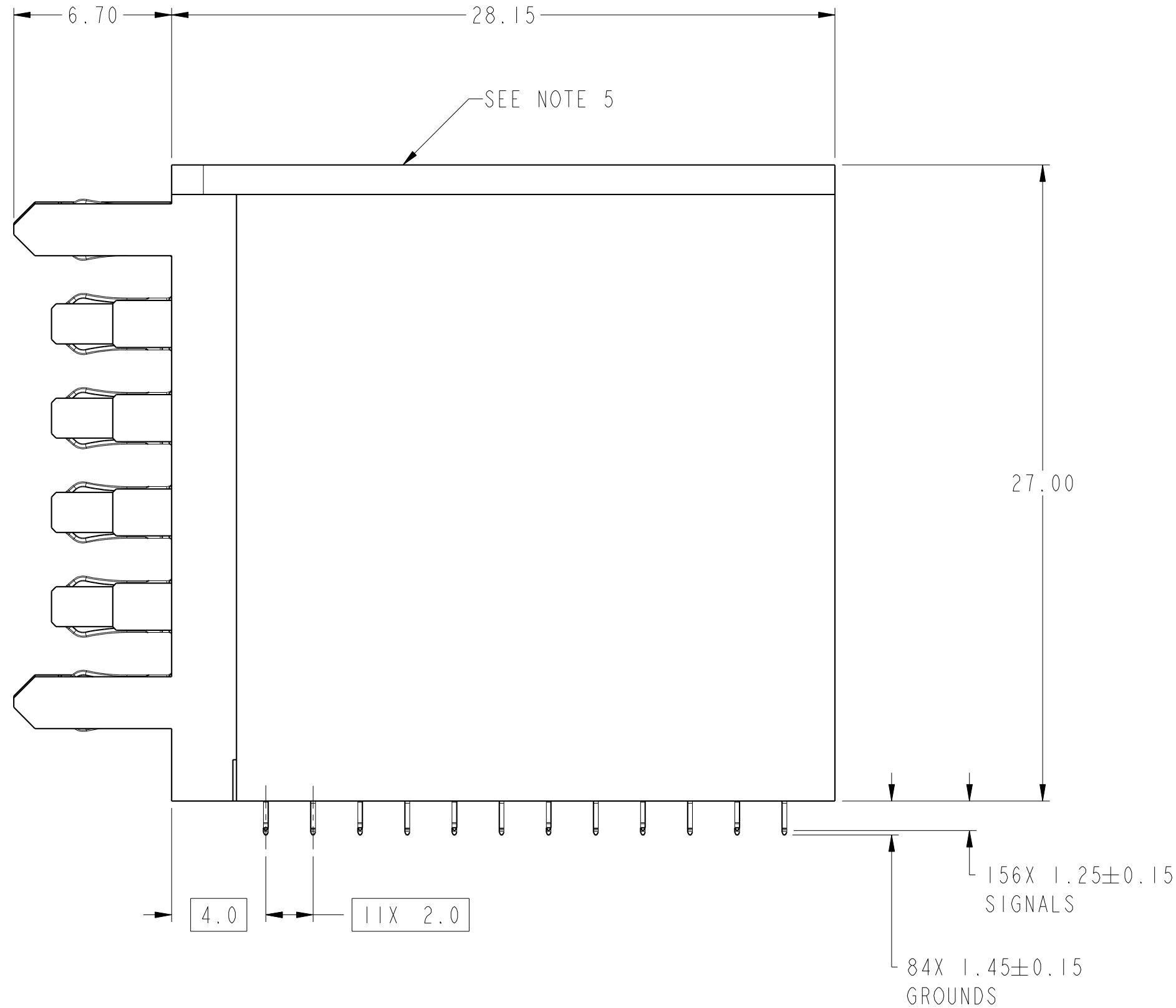
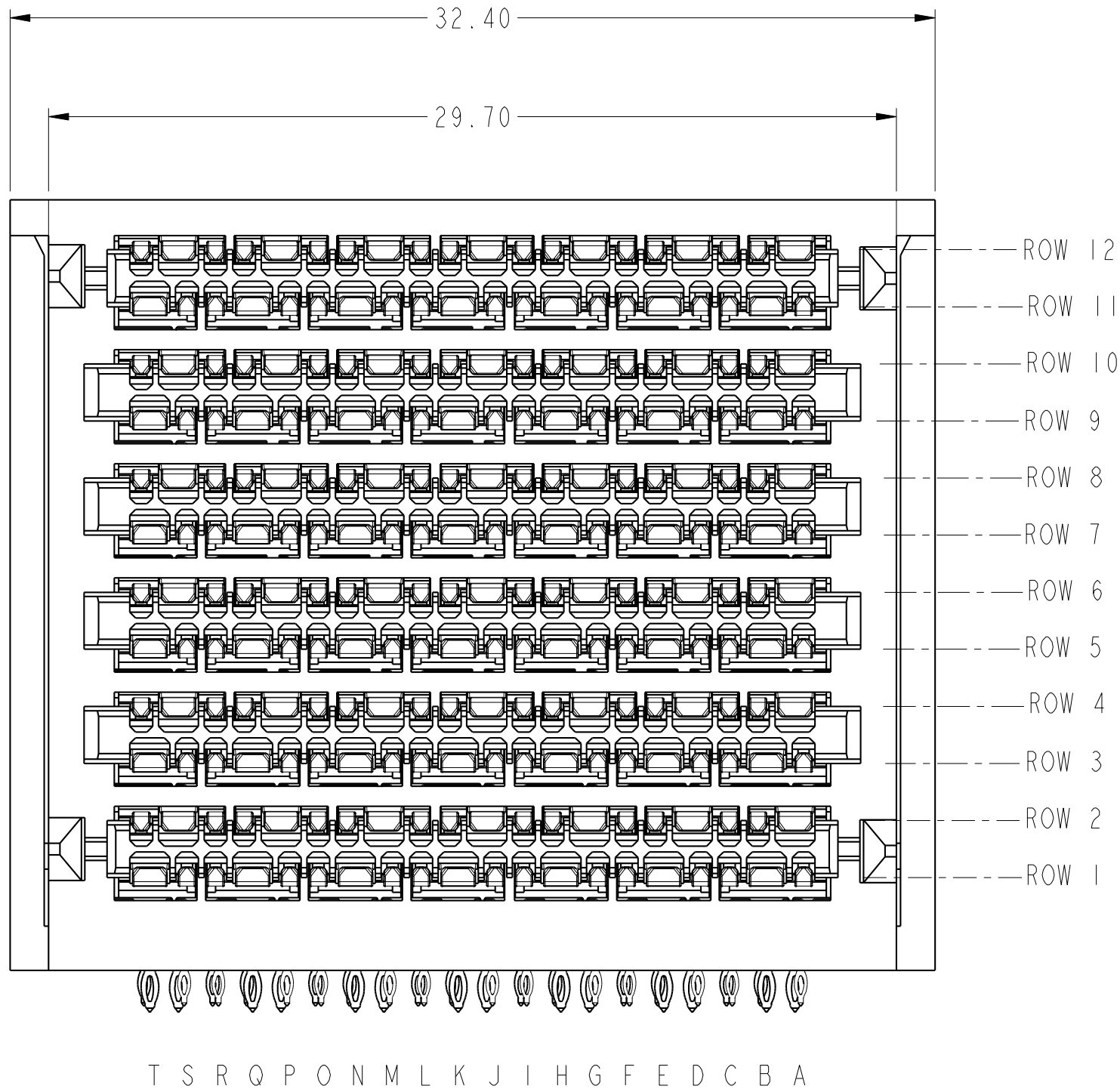


|                |                                     |
|----------------|-------------------------------------|
| PRODUCT NUMBER | DESCRIPTION                         |
| 10129181-101LF | WITH GUIDE PIN AND PCB SCREW MOUNTS |



|               |  |                                       |  |                                     |  |                 |  |            |  |                                                                                       |  |                                                                                       |  |                |  |                |  |       |  |     |  |
|---------------|--|---------------------------------------|--|-------------------------------------|--|-----------------|--|------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------|--|----------------|--|-------|--|-----|--|
| spec ref      |  | ---                                   |  | dr                                  |  | Mark R Gray     |  | 2014/02/24 |  | projection                                                                            |  | MM                                                                                    |  | size           |  | A2             |  | scale |  | 5:1 |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng                                 |  | Peng-Bing Fu    |  | 2017/11/10 |  |  |  |  |  | ecn no         |  | ELX-DG-28422-1 |  |       |  |     |  |
| chr           |  |                                       |  | Justin Chen                         |  | 2017/11/29      |  | rel level  |  |                                                                                       |  |                                                                                       |  | Released       |  |                |  |       |  |     |  |
| ASME Y14.5M   |  |                                       |  | appr                                |  | Heaven Cen      |  | 2017/11/30 |  |                                                                                       |  |                                                                                       |  | product family |  |                |  |       |  |     |  |
| surface       |  | linear                                |  | 0.X ±.3<br>0.XX ±.10<br>0.XXX ±.050 |  | Amphenol<br>FCI |  | title      |  | ExaMAX Orthogonal R.A. Header                                                         |  | dwg no                                                                                |  | 10129181       |  | rev            |  | B     |  |     |  |
|               |  |                                       |  |                                     |  |                 |  |            |  |                                                                                       |  |                                                                                       |  |                |  |                |  |       |  |     |  |
|               |  |                                       |  |                                     |  |                 |  |            |  |                                                                                       |  |                                                                                       |  |                |  |                |  |       |  |     |  |
|               |  | angular                               |  | 0° ±°                               |  |                 |  | cat. no.   |  | Product - Customer Drw                                                                |  | sheet 1 of 7                                                                          |  |                |  |                |  |       |  |     |  |

|                |                                   |
|----------------|-----------------------------------|
| PRODUCT NUMBER | DESCRIPTION                       |
| 10129181-102LF | NO GUIDE PIN, NO PCB SCREW MOUNTS |



|                 |             |                               |                                      |            |                |                        |              |                |                        |              |
|-----------------|-------------|-------------------------------|--------------------------------------|------------|----------------|------------------------|--------------|----------------|------------------------|--------------|
| spec ref        | ---         | dr                            | Mark R Gray                          | 2014/02/24 | projection     | MM                     | size         | A2             | scale                  | 5:1          |
| tolerance std   | ASME Y14.5M | eng                           | Peng-Bing Fu                         | 2017/11/10 | chr            | Justin Chen            | ecn no       | ELX-DG-28422-1 | rel level              | Released     |
| surface         | ✓           | appr                          | Heaven Cen                           | 2017/11/30 | product family | -                      | cat. no.     | -              | Product - Customer Drw | sheet 2 of 7 |
| linear          | 0.X         | ±.3                           | 0.XX                                 | ±.10       | 0.XXX          | ±.050                  | angular      | 0°             | ±°                     |              |
| Amphenol<br>FCi | title       | ExaMAX Orthogonal R.A. Header | 6 PAIR, 12 IMLA (240 Position) ASS'Y | cat. no.   | -              | Product - Customer Drw | sheet 2 of 7 | rev            | B                      |              |

[illegible]

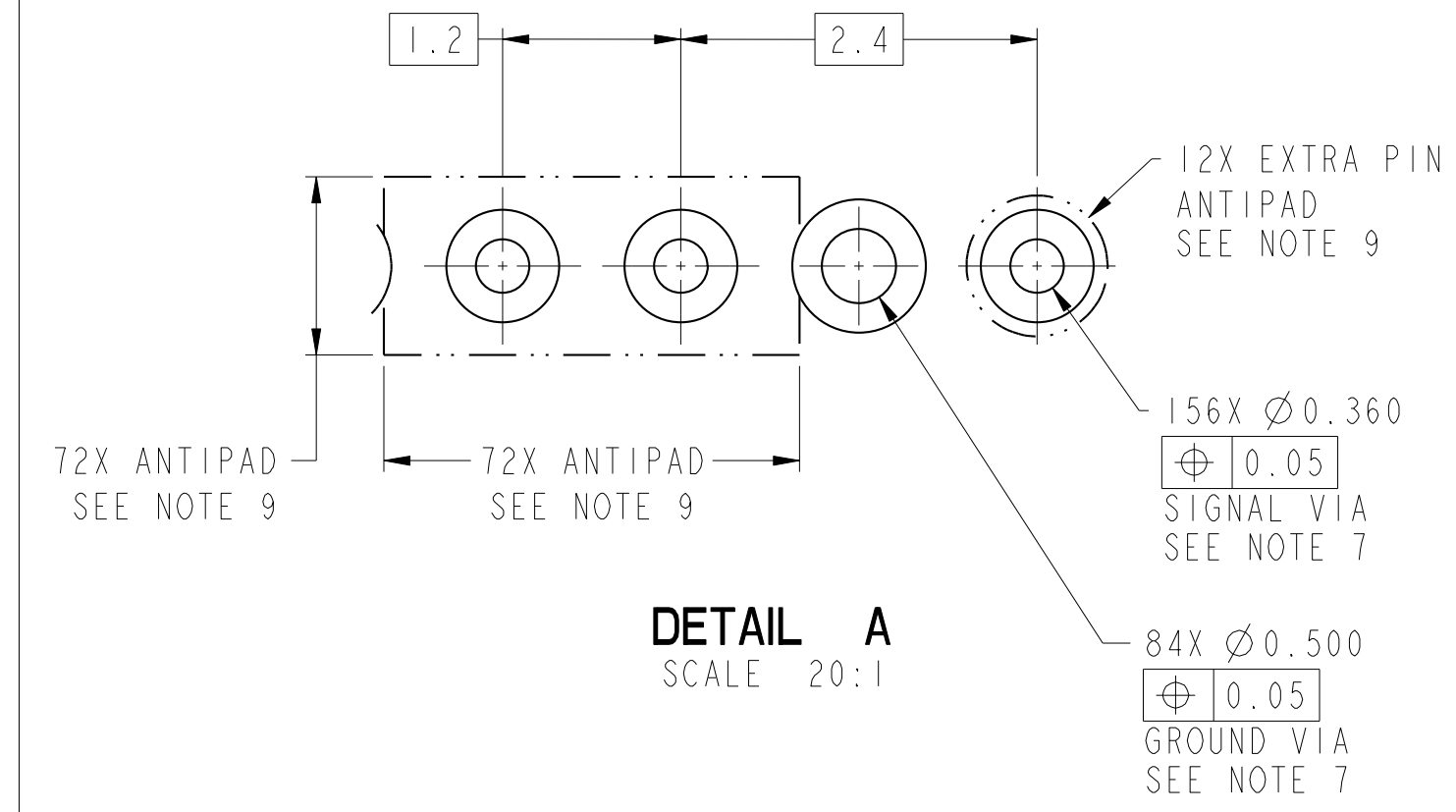
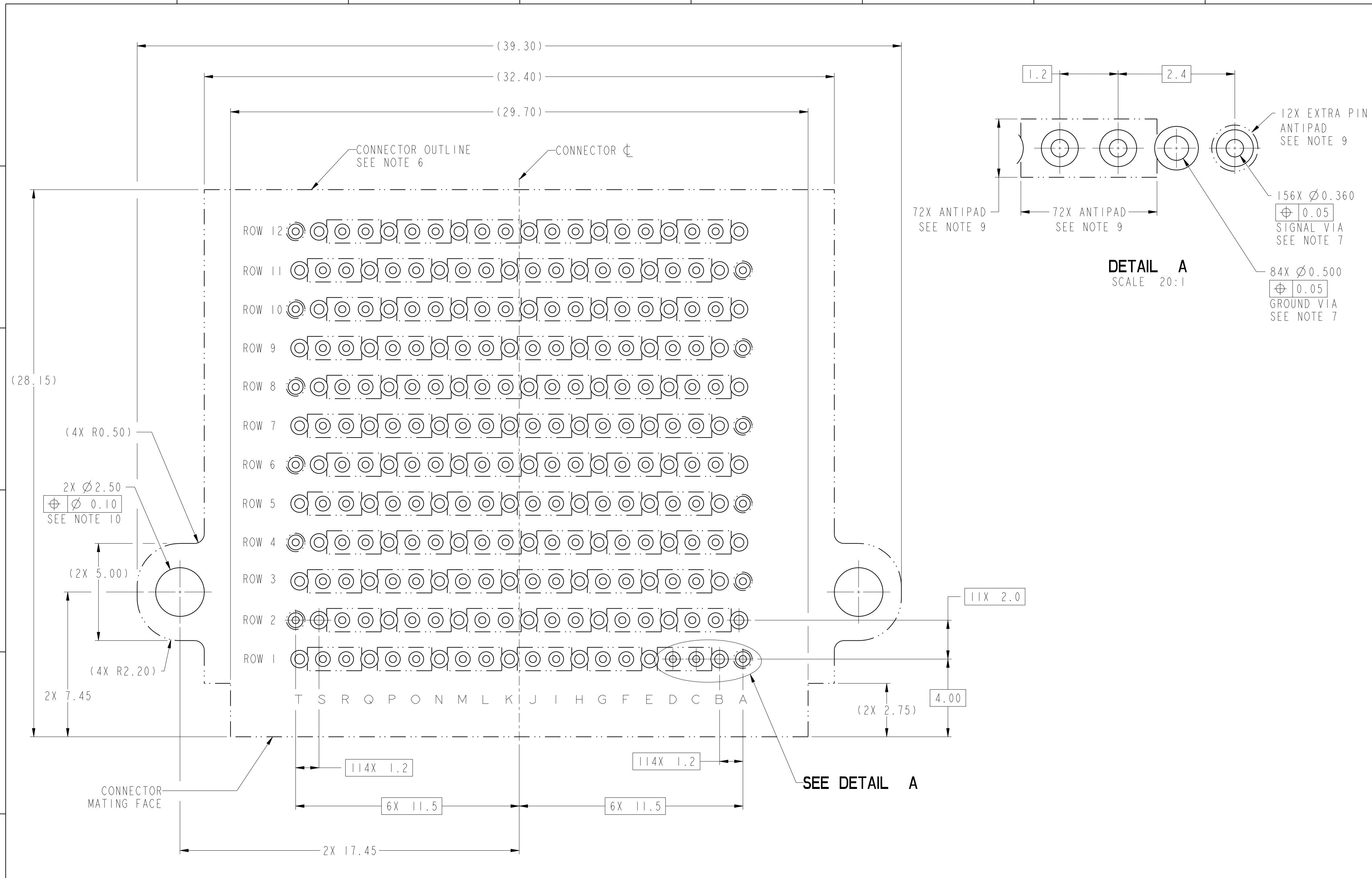


Printed: Dec 12, 2017



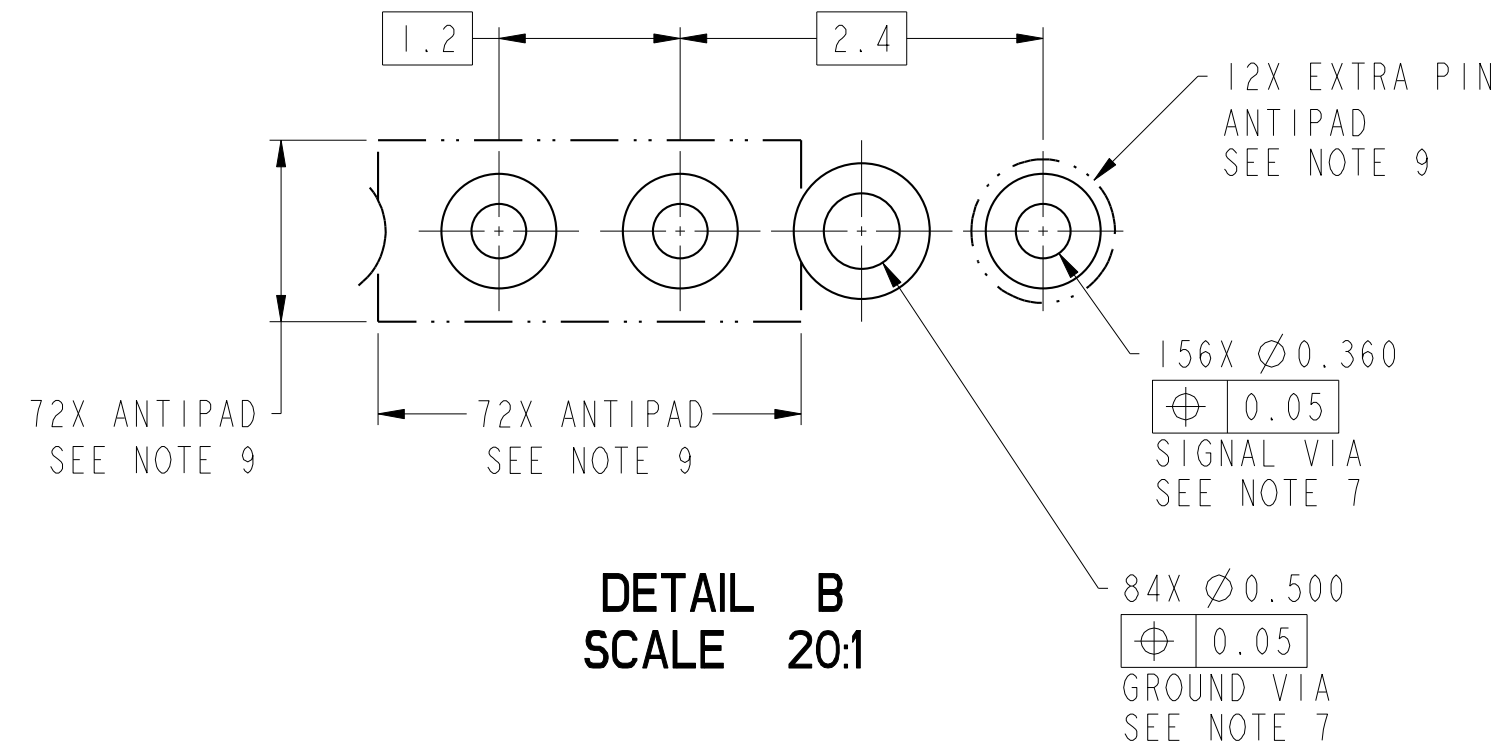
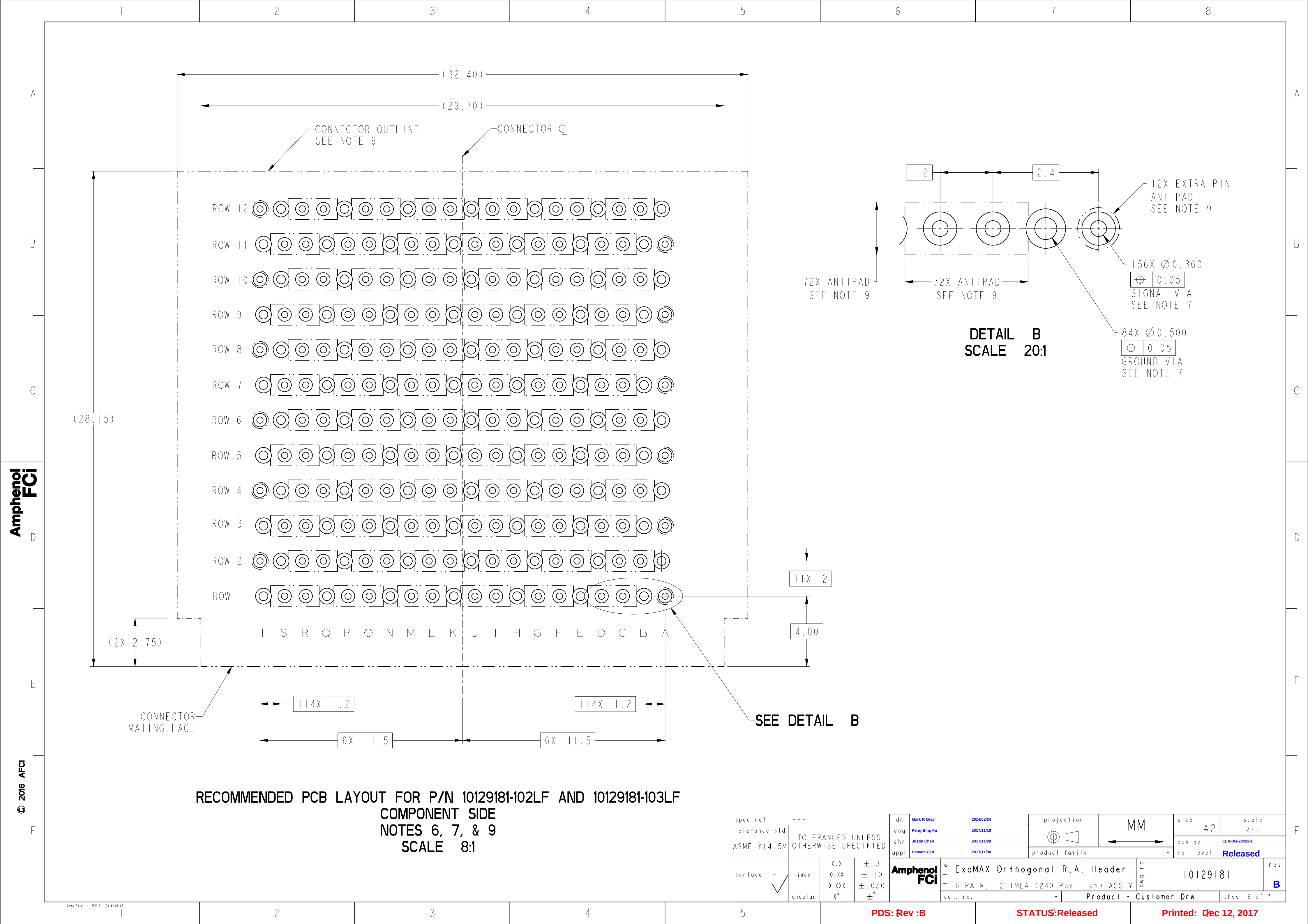
Amphenol  
FCi

© 2016 APCI

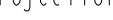


RECOMMENDED PCB LAYOUT FOR P/N 10129181-101LF AND 10129181-104LF  
COMPONENT SIDE  
NOTES 6, 7, 9, & 10  
SCALE 8:1

|               |  |                                       |  |             |  |              |  |                |  |                                                                                       |  |                                                                                       |  |              |  |                |  |       |  |     |  |       |  |       |  |
|---------------|--|---------------------------------------|--|-------------|--|--------------|--|----------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|--------------|--|----------------|--|-------|--|-----|--|-------|--|-------|--|
| spec ref      |  | ---                                   |  | dr          |  | Mark R Gray  |  | 2014/02/24     |  | projection                                                                            |  | MM                                                                                    |  | size         |  | A2             |  | scale |  | 2:1 |  |       |  |       |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng         |  | Peng-Bing Fu |  | 2017/11/10     |  |  |  |  |  | ecn no       |  | ELX-DG-28422-1 |  |       |  |     |  |       |  |       |  |
| chr           |  |                                       |  | Justin Chen |  | 2017/11/29   |  | rel level      |  |                                                                                       |  |                                                                                       |  | Released     |  |                |  |       |  |     |  |       |  |       |  |
| appr          |  |                                       |  | Heaven Cen  |  | 2017/11/30   |  | product family |  |                                                                                       |  |                                                                                       |  |              |  |                |  |       |  |     |  |       |  |       |  |
| surface       |  | linear                                |  | 0.X         |  | ±.3          |  | Amphenol FCI   |  | title                                                                                 |  | ExaMAX Orthogonal R.A. Header                                                         |  | dwg no       |  | 10129181       |  | rev   |  | B   |  |       |  |       |  |
|               |  |                                       |  |             |  |              |  |                |  |                                                                                       |  |                                                                                       |  |              |  |                |  |       |  |     |  | 0.XX  |  | ±.10  |  |
|               |  |                                       |  |             |  |              |  |                |  |                                                                                       |  |                                                                                       |  |              |  |                |  |       |  |     |  | 0.XXX |  | ±.050 |  |
|               |  | angular                               |  | 0°          |  | ±°           |  |                |  | cat. no.                                                                              |  | Product- Customer Drw                                                                 |  | sheet 5 of 7 |  |                |  |       |  |     |  |       |  |       |  |

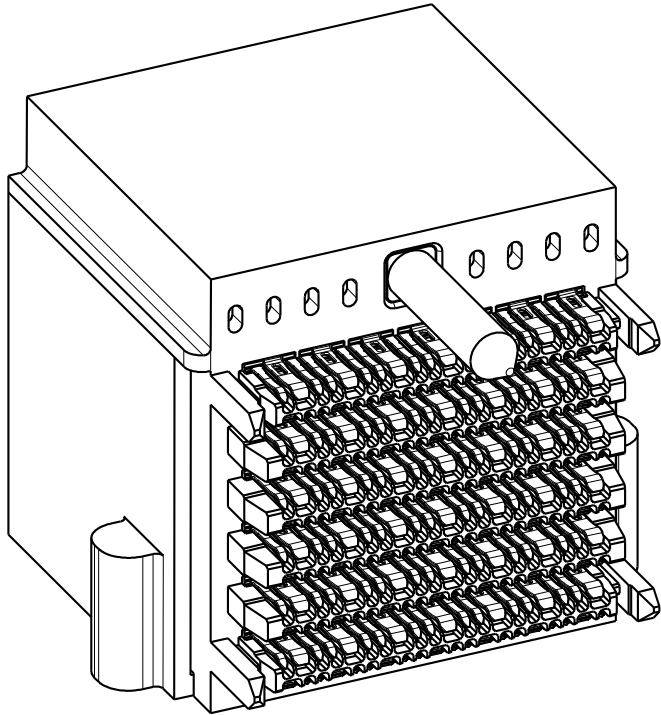


RECOMMENDED PCB LAYOUT FOR P/N 10129181-102LF AND 10129181-103LF  
COMPONENT SIDE  
NOTES 6, 7, & 9  
SCALE 8:1

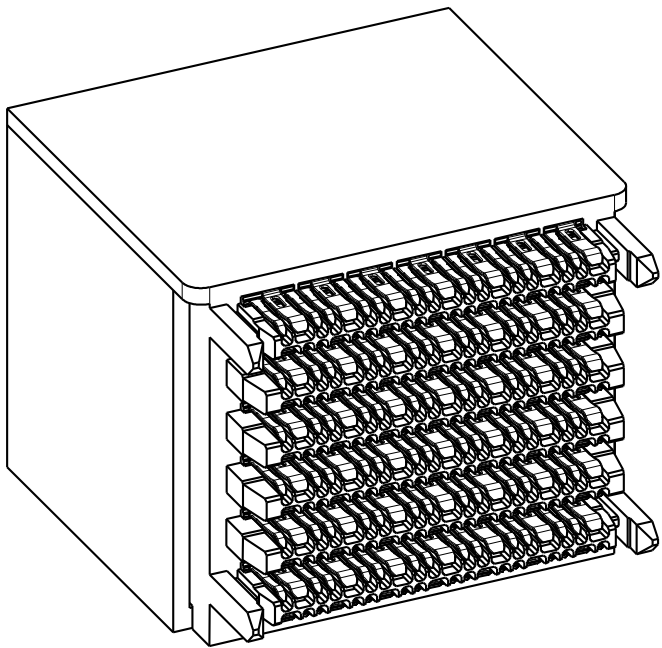
|               |                                                                                            |                                       |             |            |                                                                                       |            |                               |                                                                                       |                        |                                                                                       |            |                |          |              |           |          |
|---------------|--------------------------------------------------------------------------------------------|---------------------------------------|-------------|------------|---------------------------------------------------------------------------------------|------------|-------------------------------|---------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|------------|----------------|----------|--------------|-----------|----------|
| spec ref      |                                                                                            | ---                                   |             | dr         | Mark R Gray                                                                           | 2014/02/24 | projection                    |  | MM                     |  | size       | A2             | scale    | 4:1          |           |          |
| tolerance std |                                                                                            | TOLERANCES UNLESS OTHERWISE SPECIFIED |             | eng        | Peng-Bing Fu                                                                          | 2017/11/10 |                               |                                                                                       |                        |                                                                                       | ecn no     | ELX-DG-28422-1 |          |              |           |          |
| ASME Y14.5M   |                                                                                            | chr                                   | Justin Chen | 2017/11/29 | appr                                                                                  | Heaven Cen |                               |                                                                                       |                        |                                                                                       | 2017/11/30 | product family |          | -            | rel level | Released |
| surface       | -<br> | linear                                | 0.X         | ±.3        |  | title      | ExaMAX Orthogonal R.A. Header |                                                                                       |                        |                                                                                       |            | dwg no         | 10129181 |              | rev       | B        |
|               |                                                                                            |                                       | 0.XX        | ±.10       |                                                                                       |            |                               |                                                                                       |                        |                                                                                       |            |                |          |              |           |          |
|               |                                                                                            |                                       | 0.XXX       | ±.050      |                                                                                       |            |                               |                                                                                       |                        |                                                                                       |            |                |          |              |           |          |
|               |                                                                                            | angular                               | 0°          | ±°         |                                                                                       |            | cat. no.                      | -                                                                                     | Product - Customer Drw |                                                                                       |            |                |          | sheet 6 of 7 |           |          |

NOTES:

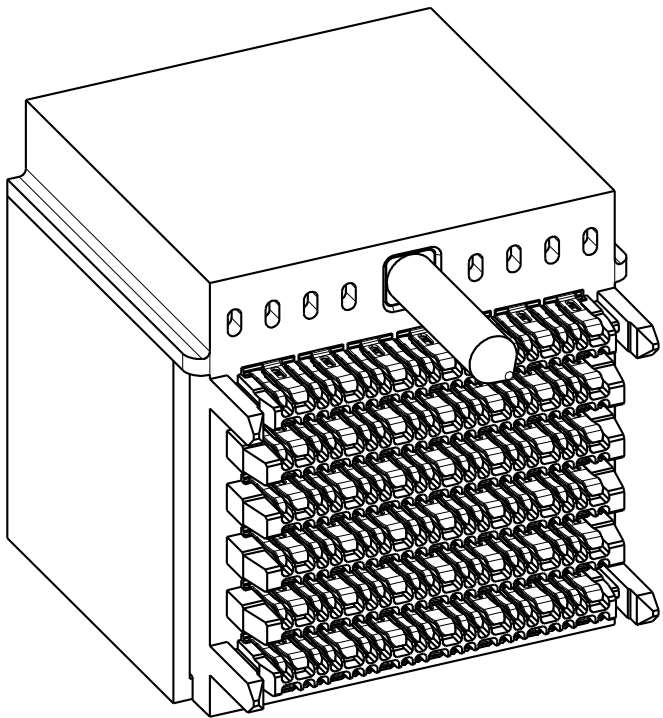
- 1 - CONNECTOR MATERIALS:  
FRONT HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
CONTACT: COPPER ALLOY  
GUIDE PIN: STAINLESS STEEL  
MACHINE SCREW AND LOCK WASHER: STAINLESS STEEL
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE  
REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096  
INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995)  
CENTRAL OFFICE TEST SEQUENCE  
  
PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE)
- 3 - PRODUCT SPECIFICATION: GS-12-1096
- 4 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING  
SPECIFICATION.
- 5 - PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- 6 - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO  
BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT.
- 7 - REFER TO CUSTOMER DRAWING 10119933 FOR INFORMATION  
ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 8 - LEAD FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES &  
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
- 9 - REFER TO ROUTING GUIDE GS-20-0511 FOR RECOMMENDATIONS  
ON OPTIMIZATION OF FOOTPRINT AND TRACE ROUTING LAYOUT.
- 10 - IT IS RECOMMENDED THAT CONNECTORS WITH THE OPTIONAL SCREW MOUNTS USE A  
TRI-ROUNDULAR, OR TRILOBULAR® SHAPED M1.91 OR M2 THREAD FORMING SCREW DESIGNED  
SPECIFICALLY FOR PLASTIC MATERIAL TO SECURE THE CONNECTOR TO THE PCB. THE  
SCREW LENGTH SHOULD BE 4.00mm TO 8.00mm LONG PLUS THE BOARD THICKNESS.
- 11 - THE CONNECTOR WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10-30  
SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.



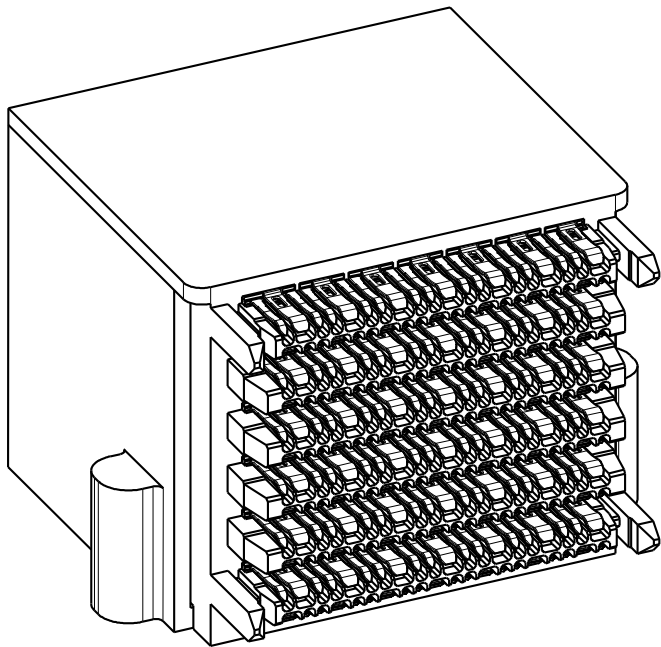
10129181-101LF



10129181-102LF



10129181-103LF



10129181-104LF

|               |  |              |  |                                       |  |      |  |              |  |                 |  |            |  |                               |  |                |  |                |  |       |  |        |  |          |  |     |  |   |  |      |  |      |  |       |  |       |  |
|---------------|--|--------------|--|---------------------------------------|--|------|--|--------------|--|-----------------|--|------------|--|-------------------------------|--|----------------|--|----------------|--|-------|--|--------|--|----------|--|-----|--|---|--|------|--|------|--|-------|--|-------|--|
| spec ref      |  |              |  | ---                                   |  | dr   |  | Mark R Gray  |  | 2014/02/24      |  | projection |  | <div>MM</div>                 |  | size           |  | A2             |  | scale |  | 2:1    |  |          |  |     |  |   |  |      |  |      |  |       |  |       |  |
| tolerance std |  |              |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng  |  | Peng-Bing Fu |  | 2017/11/10      |  |            |  |                               |  | ecn no         |  | ELX-DG-28422-1 |  |       |  |        |  |          |  |     |  |   |  |      |  |      |  |       |  |       |  |
| ASME Y14.5M   |  |              |  |                                       |  | chr  |  | Justin Chen  |  | 2017/11/29      |  |            |  |                               |  | rel level      |  | Released       |  |       |  |        |  |          |  |     |  |   |  |      |  |      |  |       |  |       |  |
|               |  |              |  |                                       |  | appr |  | Heaven Cen   |  | 2017/11/30      |  |            |  |                               |  | product family |  |                |  |       |  |        |  |          |  |     |  |   |  |      |  |      |  |       |  |       |  |
|               |  |              |  |                                       |  |      |  |              |  |                 |  |            |  |                               |  |                |  |                |  |       |  |        |  |          |  |     |  |   |  |      |  |      |  |       |  |       |  |
| surface       |  | <div>✓</div> |  | linear                                |  | 0.X  |  | ±.3          |  | Amphenol<br>FCI |  | title      |  | ExaMAX Orthogonal R.A. Header |  |                |  |                |  |       |  | dwg no |  | 10129181 |  | rev |  | B |  |      |  |      |  |       |  |       |  |
|               |  |              |  |                                       |  |      |  |              |  |                 |  |            |  |                               |  |                |  |                |  |       |  |        |  |          |  |     |  |   |  | 0.XX |  | ±.10 |  |       |  |       |  |
|               |  |              |  |                                       |  |      |  |              |  |                 |  |            |  |                               |  |                |  |                |  |       |  |        |  |          |  |     |  |   |  |      |  |      |  | 0.XXX |  | ±.050 |  |
|               |  |              |  |                                       |  |      |  |              |  |                 |  |            |  |                               |  |                |  |                |  |       |  |        |  |          |  |     |  |   |  |      |  |      |  |       |  |       |  |
|               |  |              |  |                                       |  |      |  |              |  |                 |  |            |  |                               |  |                |  |                |  |       |  |        |  |          |  |     |  |   |  |      |  |      |  |       |  |       |  |



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



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