

Amphenol  
FCi

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F

10135280 - 10X LF

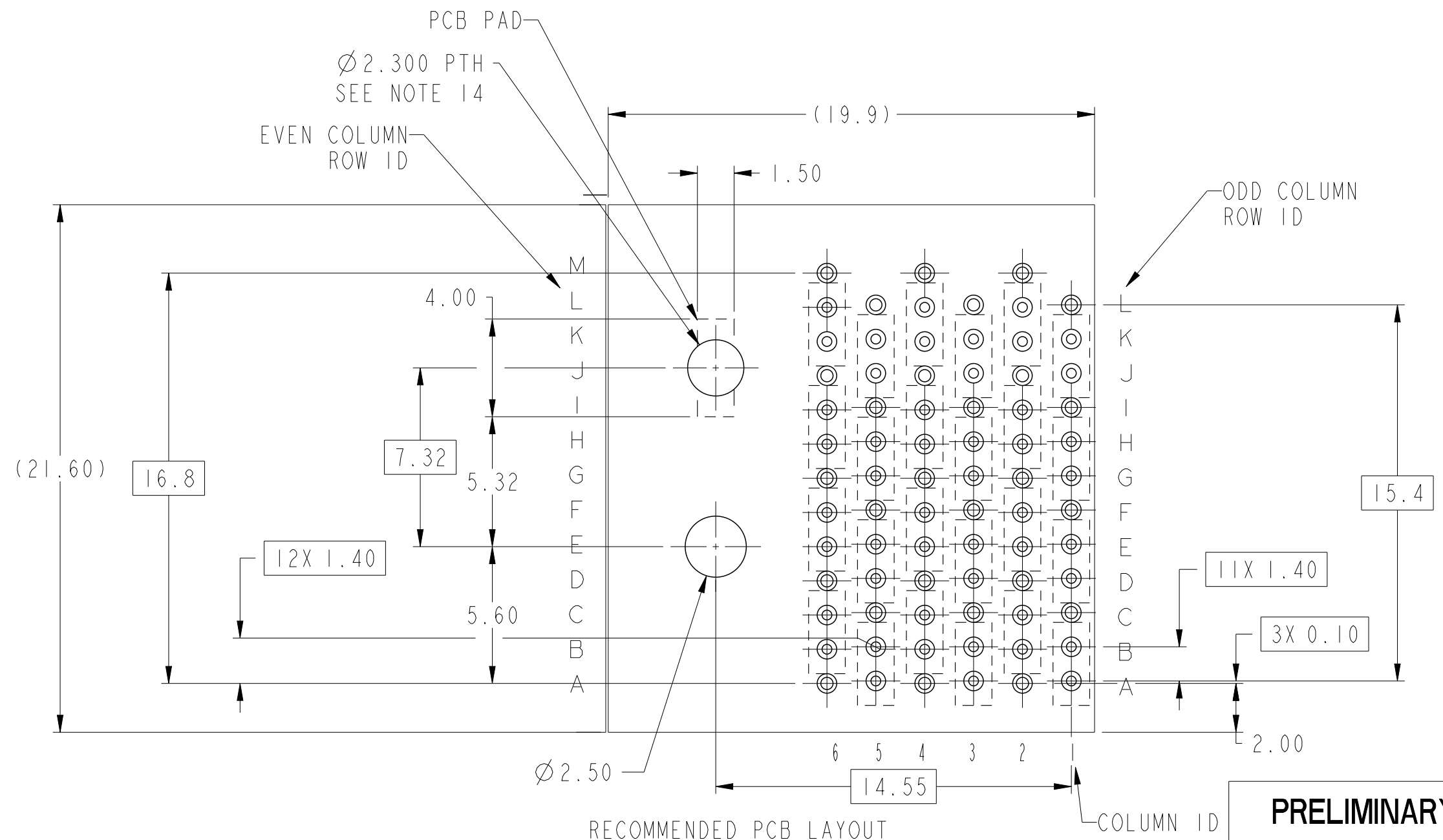
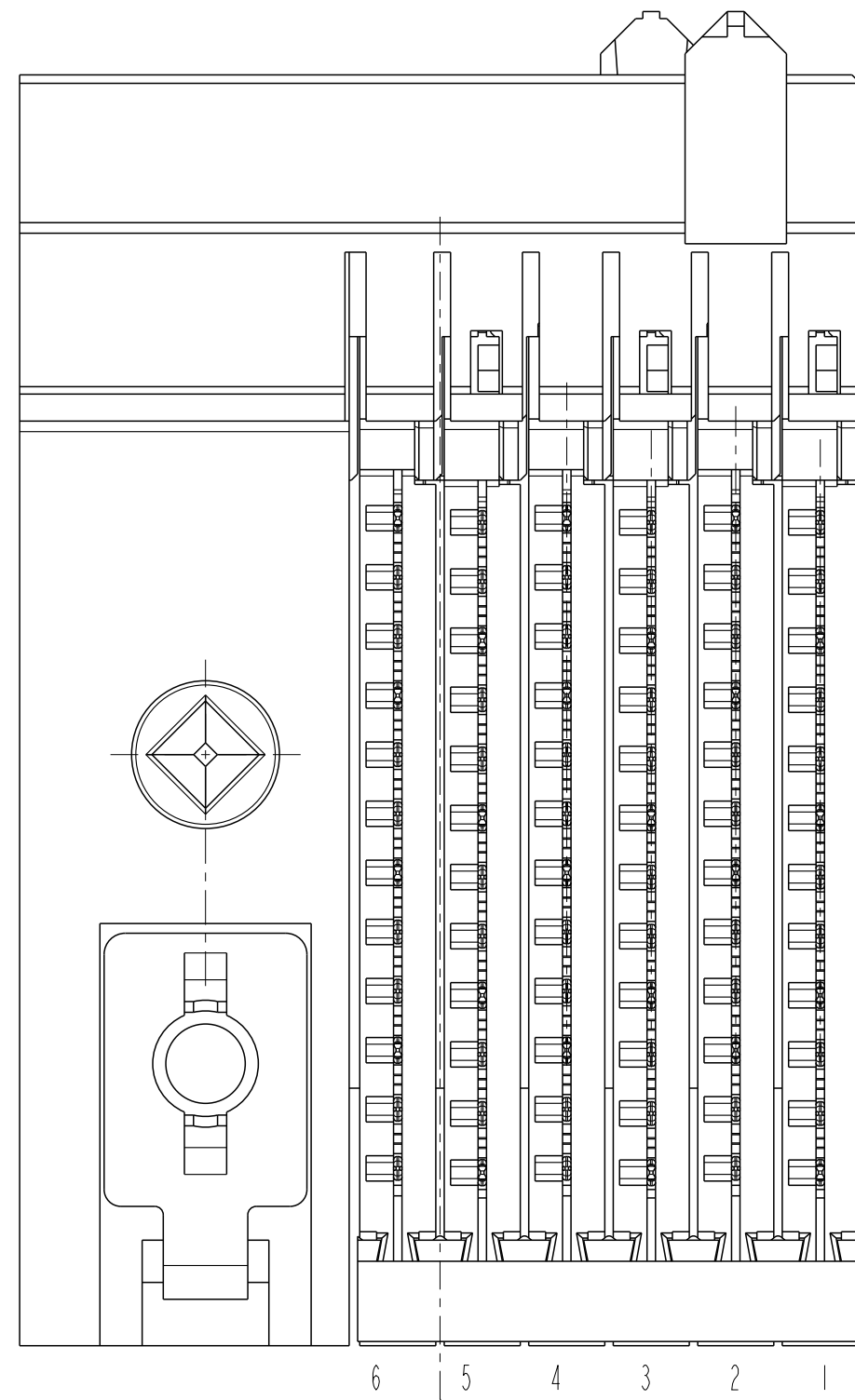
SEE NOTE 2

LEAD-FREE DESIGNATION  
ONLY WITH APPLICABLE  
PLATING CODES

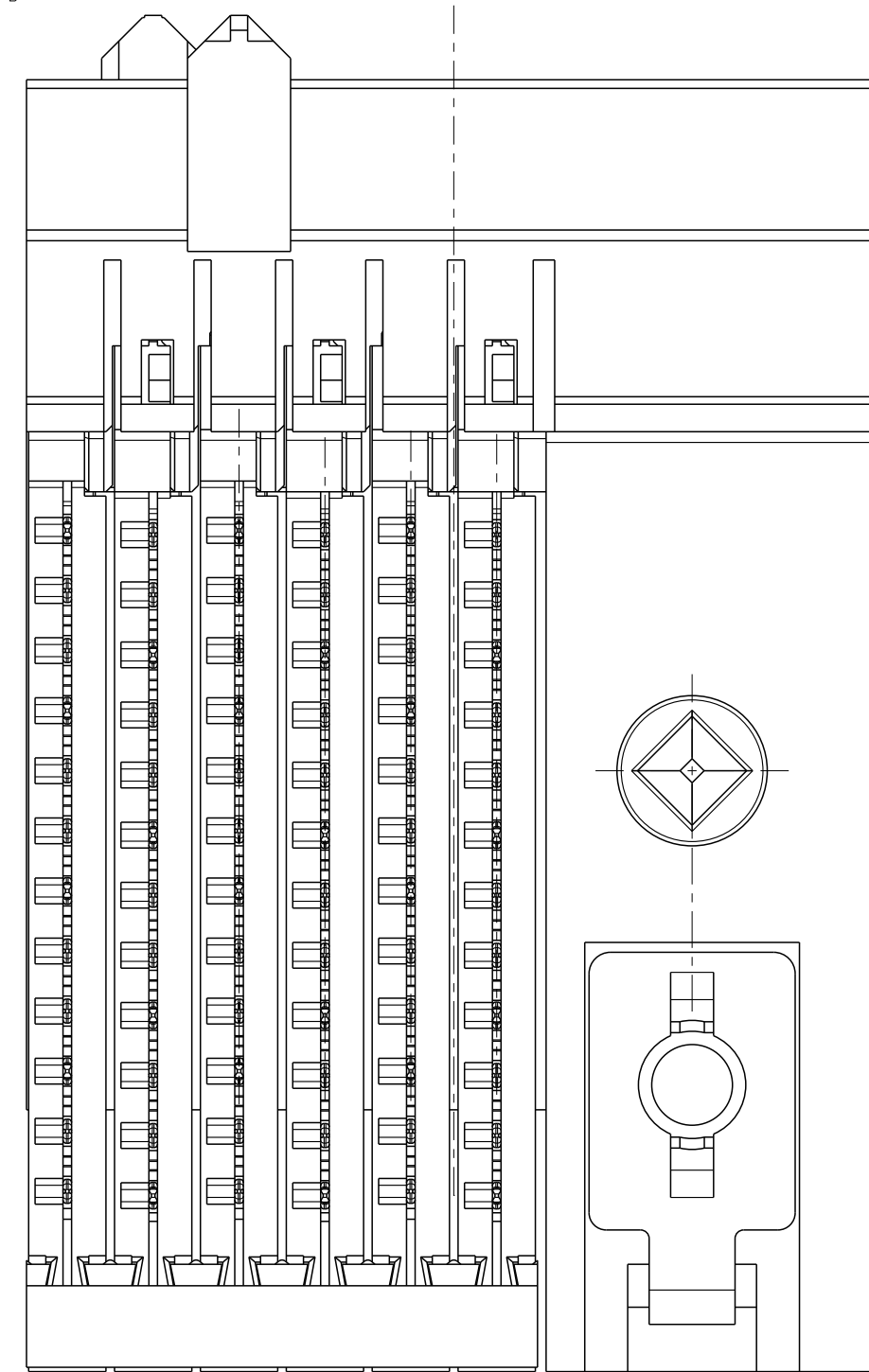
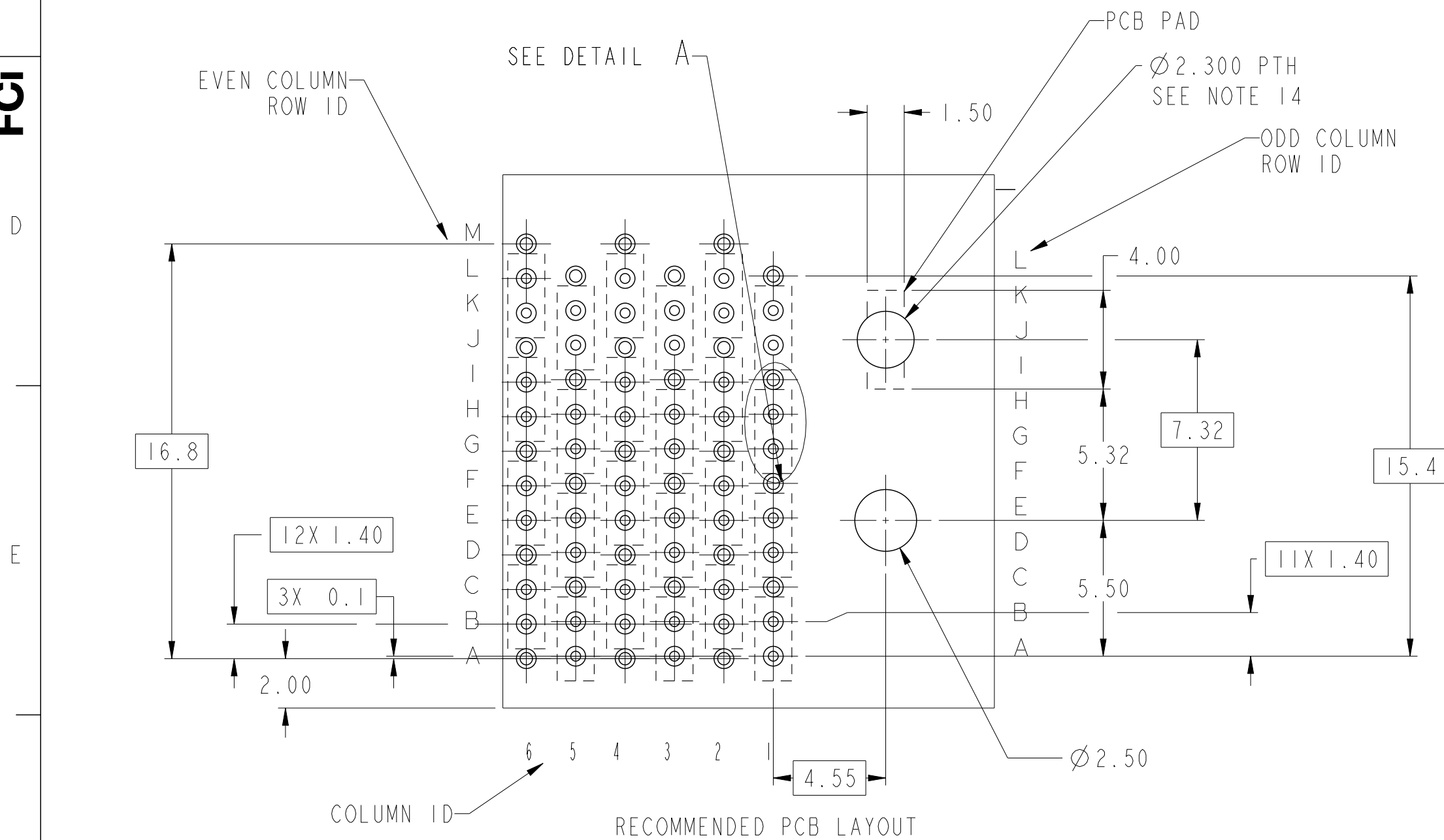
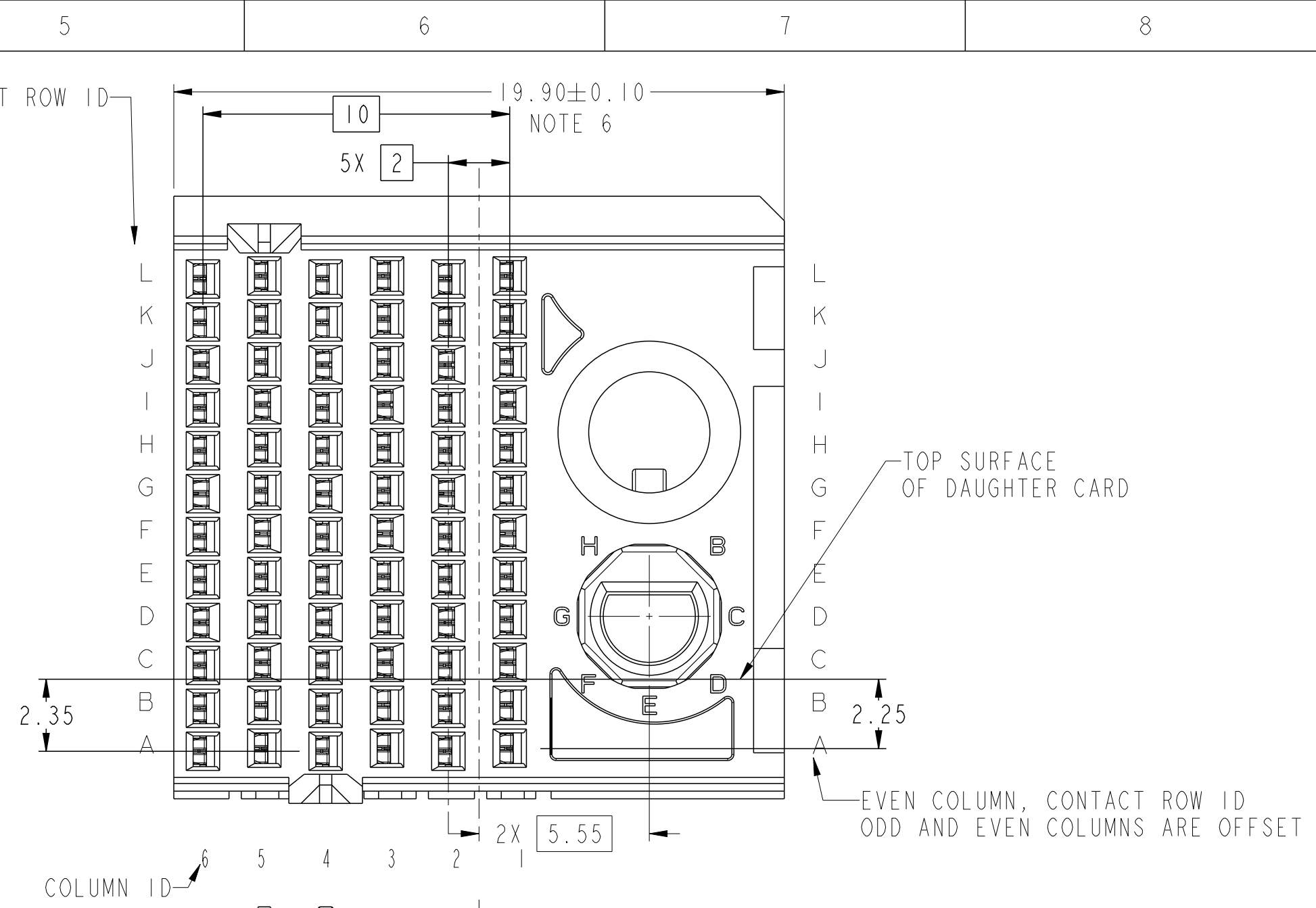
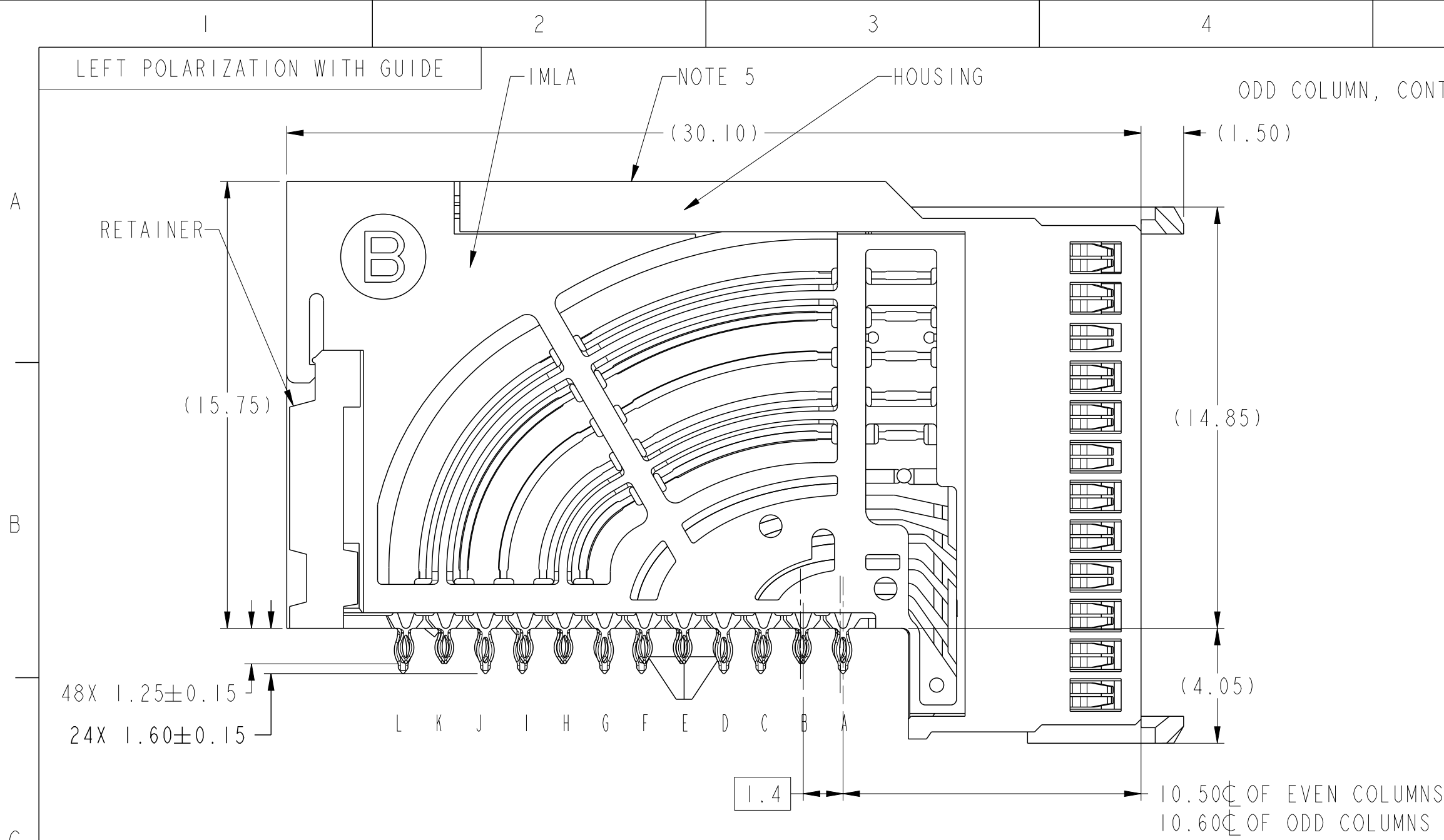
| MODULE DESCRIPTION                             | LETTER DESIGNATION REPRESENTED IN DASH NUMBER |               |   |   |   |   |   |   |   |   | BASE MODULE |
|------------------------------------------------|-----------------------------------------------|---------------|---|---|---|---|---|---|---|---|-------------|
| LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 3)  | N                                             | J<br>(NO KEY) | A | B | C | D | E | F | G | H |             |
|                                                | NO KEY<br>NO GUIDE PIN                        |               |   |   |   |   |   |   |   |   |             |
| RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 2) | Z                                             | Y<br>(NO KEY) | P | Q | R | S | T | U | V | W |             |
|                                                | NO KEY<br>NO GUIDE PIN                        |               |   |   |   |   |   |   |   |   |             |

PRELIMINARY

|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|---------------|--|---------------------------------------|--|--------|--|-------------|--|------------|--|----------------|--|------------|--|----------------------------|--|----------|--|-----------|--|------------------------|--|--------------|--|--|--|--|--|
| spec ref      |  | ---                                   |  | dr     |  | Tao Zhan    |  | 2015/09/14 |  | projection     |  | MM         |  | size                       |  | A2       |  | scale     |  | 8:1                    |  |              |  |  |  |  |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng    |  | Jackie Chen |  | 2016/03/14 |  |                |  |            |  | ecn no                     |  | -        |  | rel level |  | Preliminary            |  |              |  |  |  |  |  |
| chr           |  |                                       |  | -      |  | -           |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
| appr          |  |                                       |  | -      |  | -           |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
| ASME Y14.5M   |  |                                       |  |        |  |             |  |            |  | product family |  | AirMax VS2 |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
| surface       |  | -<br>✓                                |  | linear |  | 0.X         |  | ±.3        |  | Amphenol FCI   |  | title      |  | AIRMAX VS2 R.A. RECEPTACLE |  | cat. no. |  | -         |  | Product - Customer Drw |  | sheet 1 of 4 |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |
|               |  |                                       |  |        |  |             |  |            |  |                |  |            |  |                            |  |          |  |           |  |                        |  |              |  |  |  |  |  |



For information only. This is a preliminary customer document that is subject to change without notice.

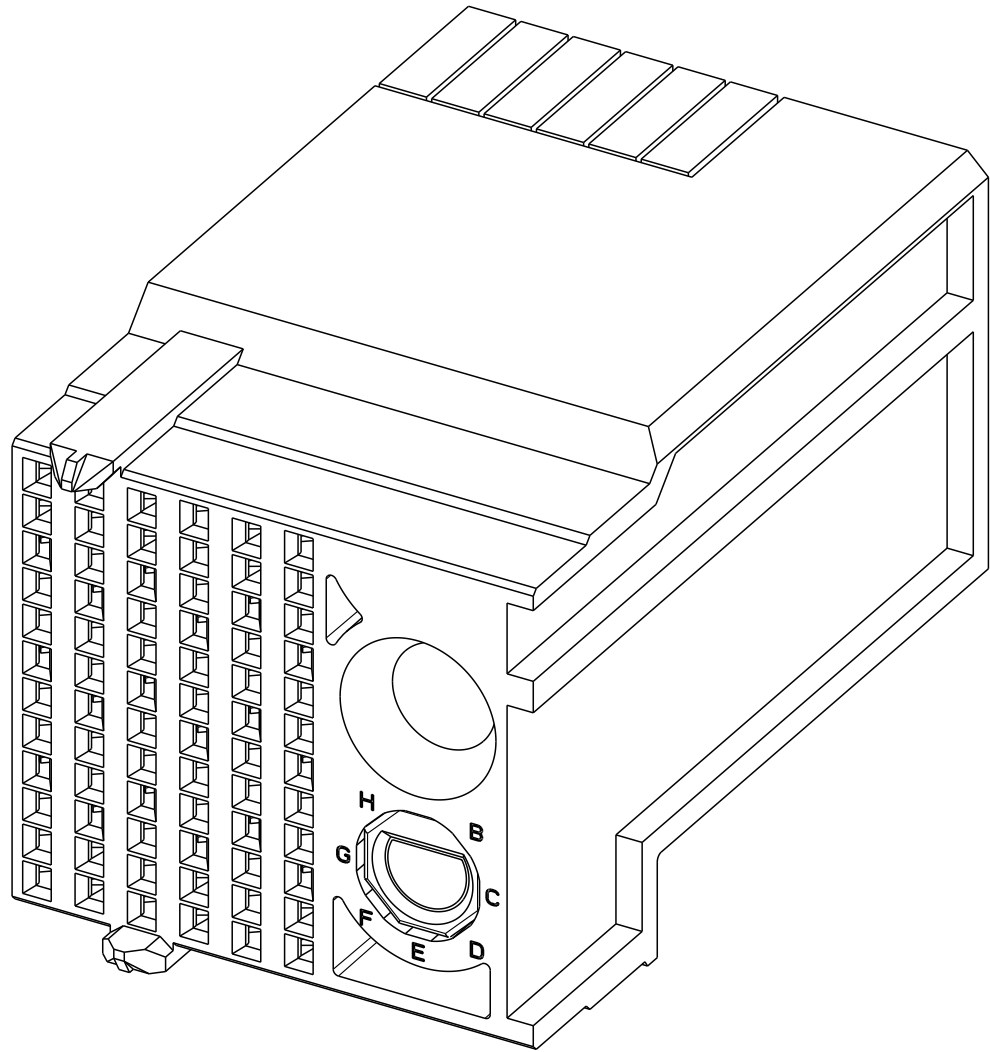


PRELIMINARY

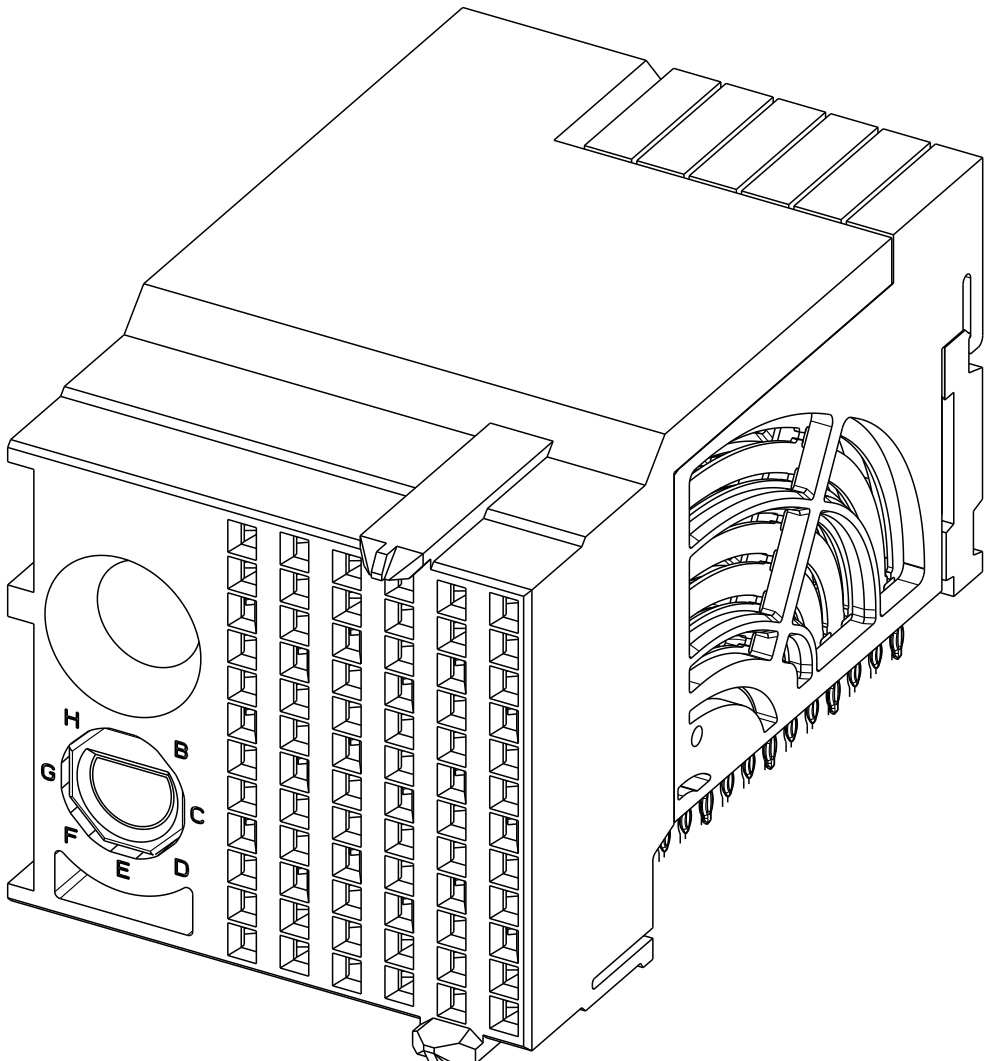
|               |             |         |             |            |                 |            |                            |              |          |     |
|---------------|-------------|---------|-------------|------------|-----------------|------------|----------------------------|--------------|----------|-----|
| spec ref      | ---         | dr      | Tao Zhan    | 2015/09/14 | projection      | MM         | size                       | A2           | scale    | 8:1 |
| tolerance std | ASME Y14.5M | eng     | Jackie Chen | 2016/03/14 | chr             | -          | ecn no                     | -            |          |     |
|               |             | appr    | -           | -          | product family  | AIRMAX VS2 | rel level                  | Preliminary  |          |     |
| surface       | -           | linear  | 0.X         | ±.3        | Amphenol<br>FCi | title      | AIRMAX VS2 R.A. RECEPTACLE | dwg no       | 10135280 | rev |
|               |             |         | 0.XX        | ±.15       |                 |            |                            |              |          |     |
|               |             |         | 0.XXX       | ±.050      |                 |            |                            |              |          |     |
|               |             | angular | 0°          | ±°         | cat. no.        | -          | Product - Customer Drw     | sheet 3 of 4 |          |     |

|                |                                |
|----------------|--------------------------------|
| PRODUCT NUMBER | PRESS-FIT TAIL<br>PLATING TYPE |
| 10135280-10ALF | TIN OVER NICKEL<br>(LEAD FREE) |
| 10135280-10PLF | TIN OVER NICKEL<br>(LEAD FREE) |

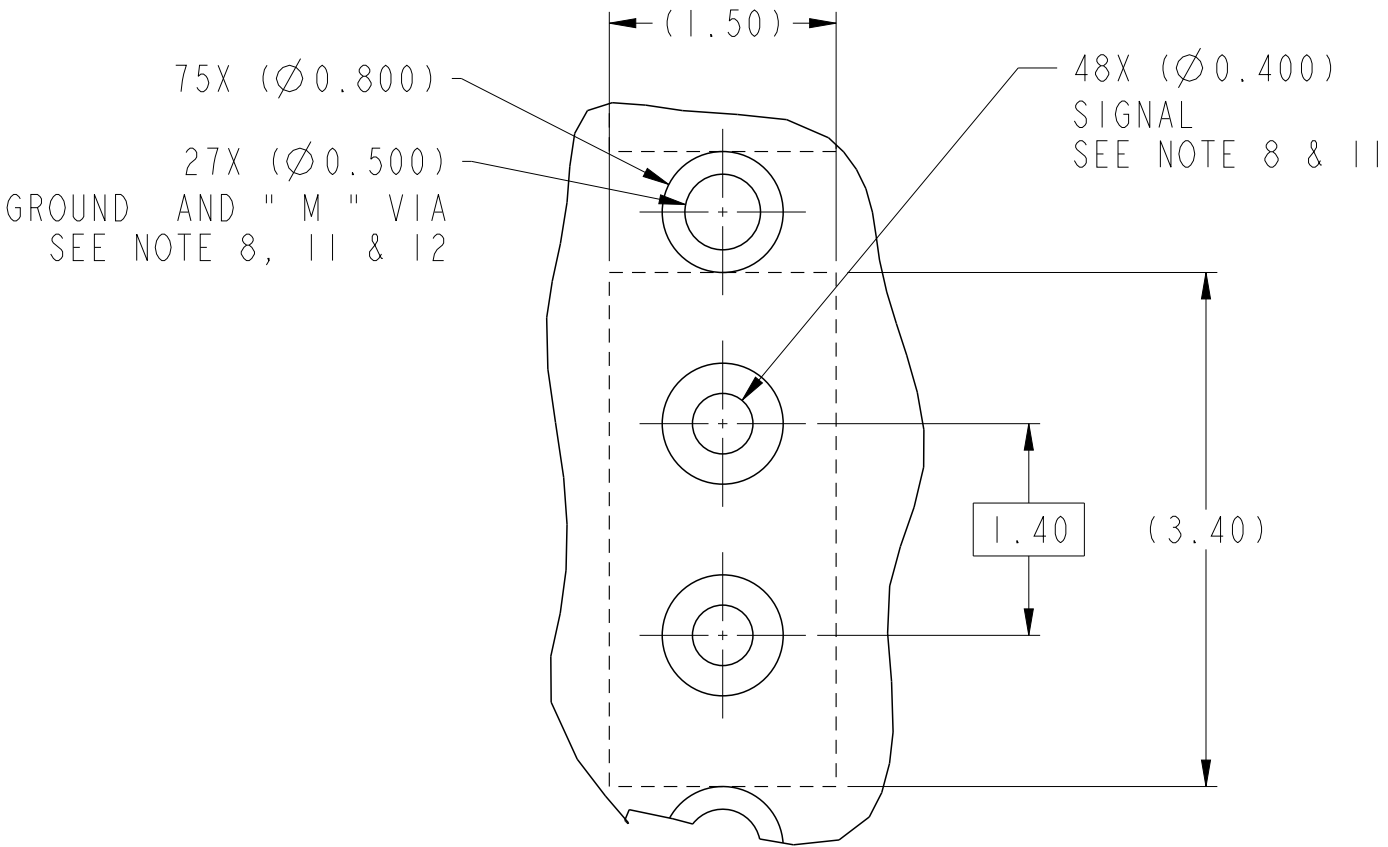
- 1 - CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
CONTACT: COPPER ALLOY  
ORGANIZER: HIGH TEMP THERMOPLASTIC, WHITE, UL94-V0
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE  
REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-0956  
INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995)  
CENTRAL OFFICE TEST SEQUENCE
- PRESS-FIT TAILS: SEE TABLE
- 3 - PRODUCT SPECIFICATION: GS-12-0956
- 4 - APPLICATION SPECIFICATION: GS-20-0305.
- 5 - PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- 6 - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT  
MODULES IS 20.0 MM.
- 7 - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO  
BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT.
- 8 - REFER TO CUSTOMER DRAWING 10104444 FOR INFORMATION  
ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 9 - LEAD FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES &  
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- 10 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING  
SPECIFICATION.
- 11 - GROUND CONTACTS (C,F, AND I IN ODD COLUMNS AND A, D, AND G,  
EVEN COLUMNS) REQUIRE (Ø0.500) FINISHED HOLES. SIGNAL LOCATIONS  
REQUIRE (Ø0.400) FINISHED HOLES.
- 12 - THESE OUTER VIAS (M) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE  
PRESSED INTO THESE HOLES WE RECCOMEND (Ø0.500) FINISHED HOLES  
AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.
- 13 - A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE, WHICH  
HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- 14 - CUSTOMER CAN FIX THE CONNECTOR WITH THREAD FORMING SCREW THROUGH  
THIS PTH. THE SCREW IS #2-32, THE VALID LENGTH OF SCREW IS 4.5MM PLUS THE  
THICKNESS OF PCB.



10135280-10ALF



10135280-10PLF



DETAIL A  
SCALE 20:1

|               |                                       |         |             |            |                 |            |                                                  |             |              |     |
|---------------|---------------------------------------|---------|-------------|------------|-----------------|------------|--------------------------------------------------|-------------|--------------|-----|
| spec ref      | ---                                   | dr      | Tao Zhan    | 2015/09/14 | projection      | MM         | size                                             | A2          | scale        | 6:1 |
| tolerance std | ASME Y14.5M                           | eng     | Jackie Chen | 2016/03/14 | chr             | -          | ecn no                                           | -           |              |     |
|               | TOLERANCES UNLESS OTHERWISE SPECIFIED | appr    | -           | -          | product family  | AirMax VS2 | rel level                                        | Preliminary |              |     |
| surface       | -                                     | linear  | 0.X         | ±.3        | Amphenol<br>FCi | title      | AIRMAX VS2 R.A. RECEPTACLE                       | dwg no      | 10135280     | rev |
|               |                                       |         | 0.XX        | ±.15       |                 |            | ASS'Y, 4 PAIR, 72 POS, 6 IMLA, 20MM, W/GUIDE/KEY |             |              | 1   |
|               |                                       |         | 0.XXX       | ±.050      |                 |            |                                                  |             |              |     |
|               |                                       | angular | 0°          | ±°         |                 |            |                                                  |             |              |     |
|               |                                       |         |             |            | cat. no.        | -          | Product - Customer Drw                           |             | sheet 4 of 4 |     |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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Факс: +7 495 668-12-70 (доб.304)

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