

10135313 - 10X LF

LEAD-FREE DESIGNATION ONLY WITH APPLICABLE PLATING CODES

SEE NOTE 2

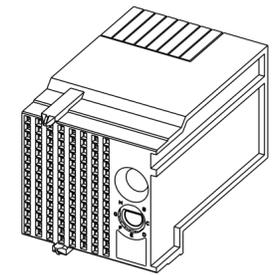
MODULE DESCRIPTION

LETTER DESIGNATION REPRESENTED IN DASH NUMBER

BASE MODULE

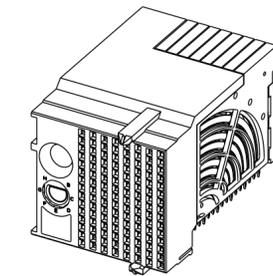
LEFT POLARIZING GUIDANCE MODULE (SEE SHEET 3)

|                        |                      |          |          |          |          |          |          |          |          |
|------------------------|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>N</b>               | <b>J</b><br>(NO KEY) | <b>A</b> | <b>B</b> | <b>C</b> | <b>D</b> | <b>E</b> | <b>F</b> | <b>G</b> | <b>H</b> |
| NO KEY<br>NO GUIDE PIN |                      |          |          |          |          |          |          |          |          |



RIGHT POLARIZING GUIDANCE MODULE (SEE SHEET 2)

|                        |                      |          |          |          |          |          |          |          |          |
|------------------------|----------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Z</b>               | <b>Y</b><br>(NO KEY) | <b>P</b> | <b>Q</b> | <b>R</b> | <b>S</b> | <b>T</b> | <b>U</b> | <b>V</b> | <b>W</b> |
| NO KEY<br>NO GUIDE PIN |                      |          |          |          |          |          |          |          |          |

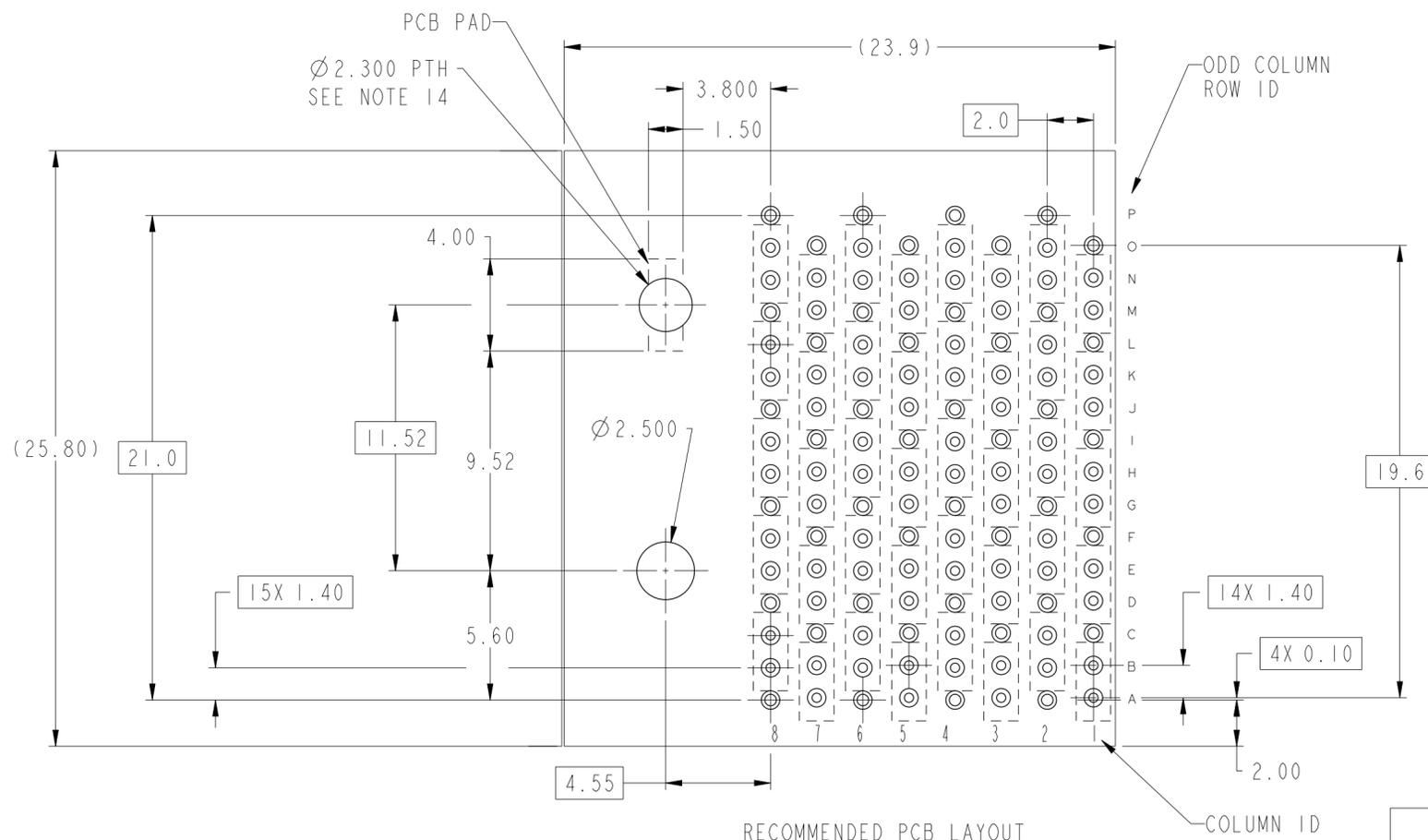
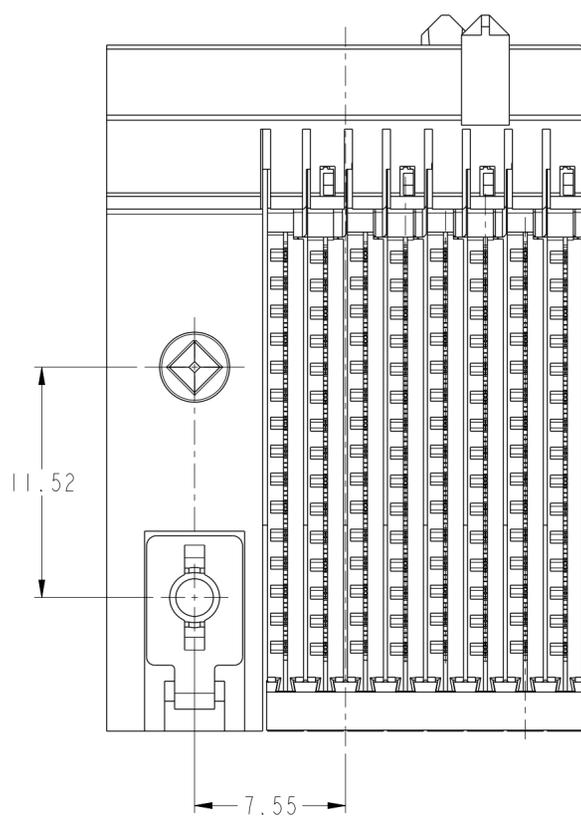
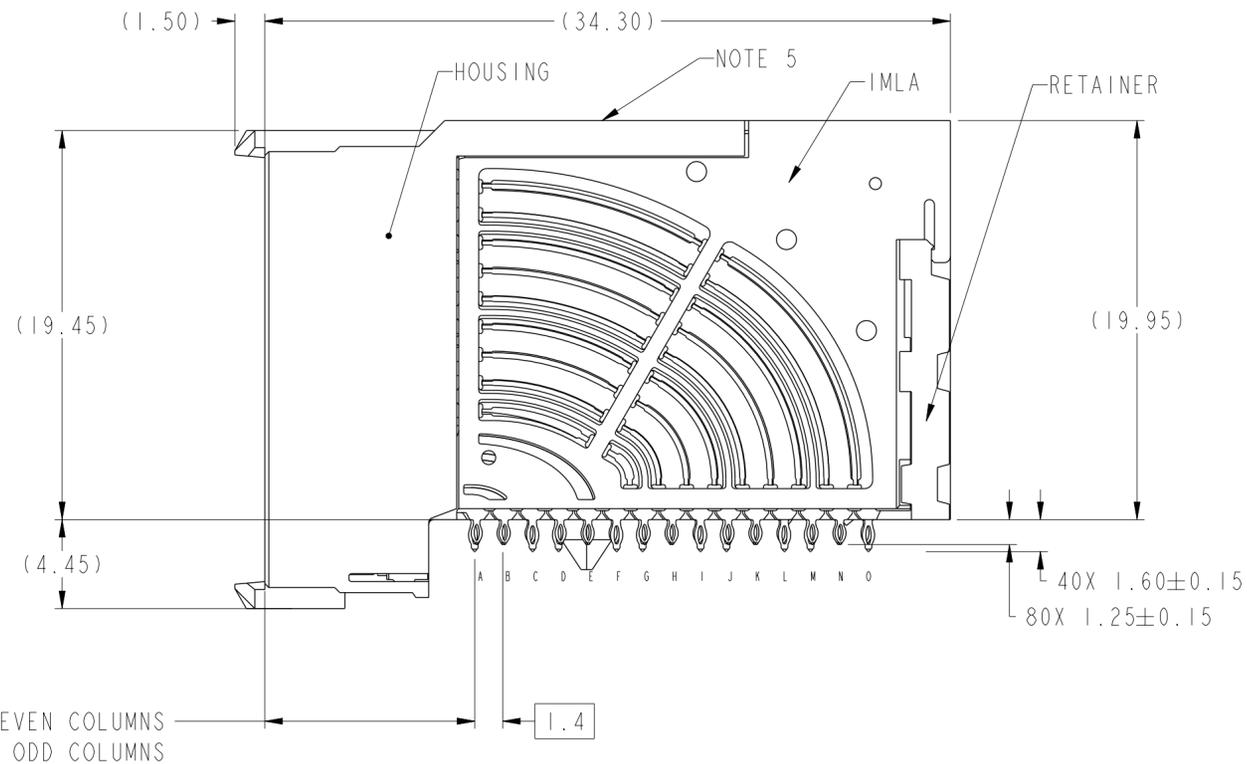
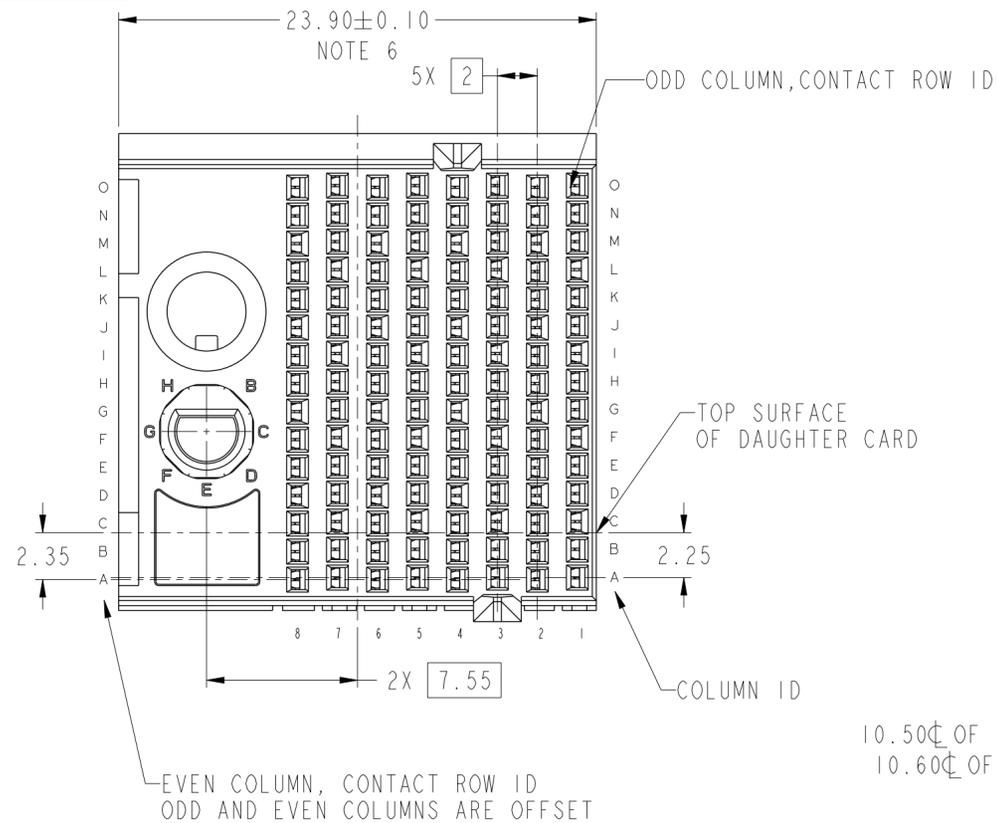


NO TOOLED

PRELIMINARY

|                                       |             |         |             |                |            |  |                    |          |               |                        |              |
|---------------------------------------|-------------|---------|-------------|----------------|------------|--|--------------------|----------|---------------|------------------------|--------------|
| spec ref                              | ---         | dr      | Jackie Chen | 2015/05/19     | projection | MM   | size               | A2       | scale         | 8:1                    |              |
| tolerance std                         | ASME Y14.5M | eng     | Jackie Chen | 2016/03/15     |            |  | ecn no             | -        | rel level     | Preliminary            |              |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |             | chr     | -           | product family |            |  | AirMax VS2         |          |               |                        |              |
| surface                               | -<br>✓      | linear  | 0.X         | ±.3            |            | <b>AIRMAX VS2 R.A. RECEPTACLE</b><br>ASS'Y, 5 PAIR, 120 POS, 8 IMLA, 20MM, W/GUIDE/KEY | dwg no<br>10135313 | rev<br>1 | cat. no.<br>- | Product - Customer Drw | sheet 1 of 4 |
|                                       |             |         | 0.XX        | ±.15           |            |  |                    |          |               |                        |              |
|                                       |             |         | 0.XXX       | ±.050          |            |  |                    |          |               |                        |              |
|                                       |             | angular | 0°          | ±°             |            |  |                    |          |               |                        |              |

RIGHT POLARIZATION WITH GUIDE

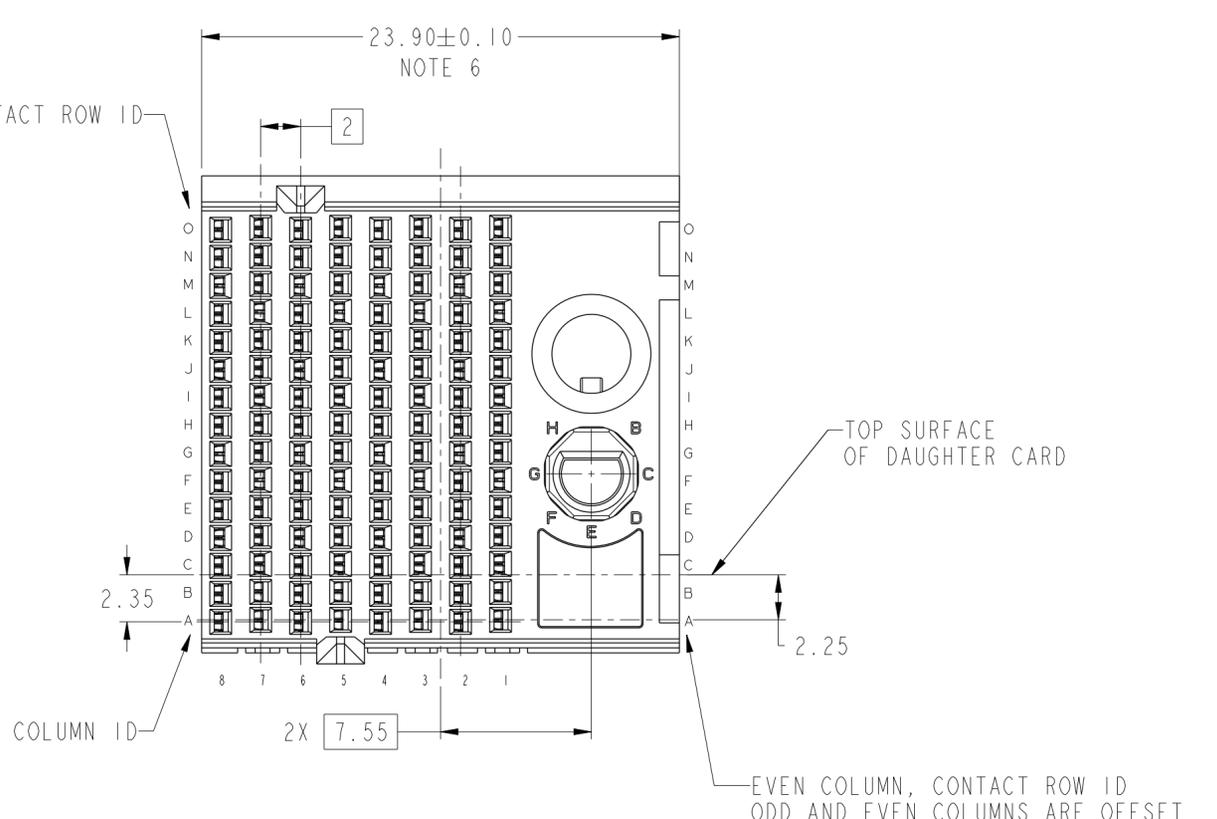
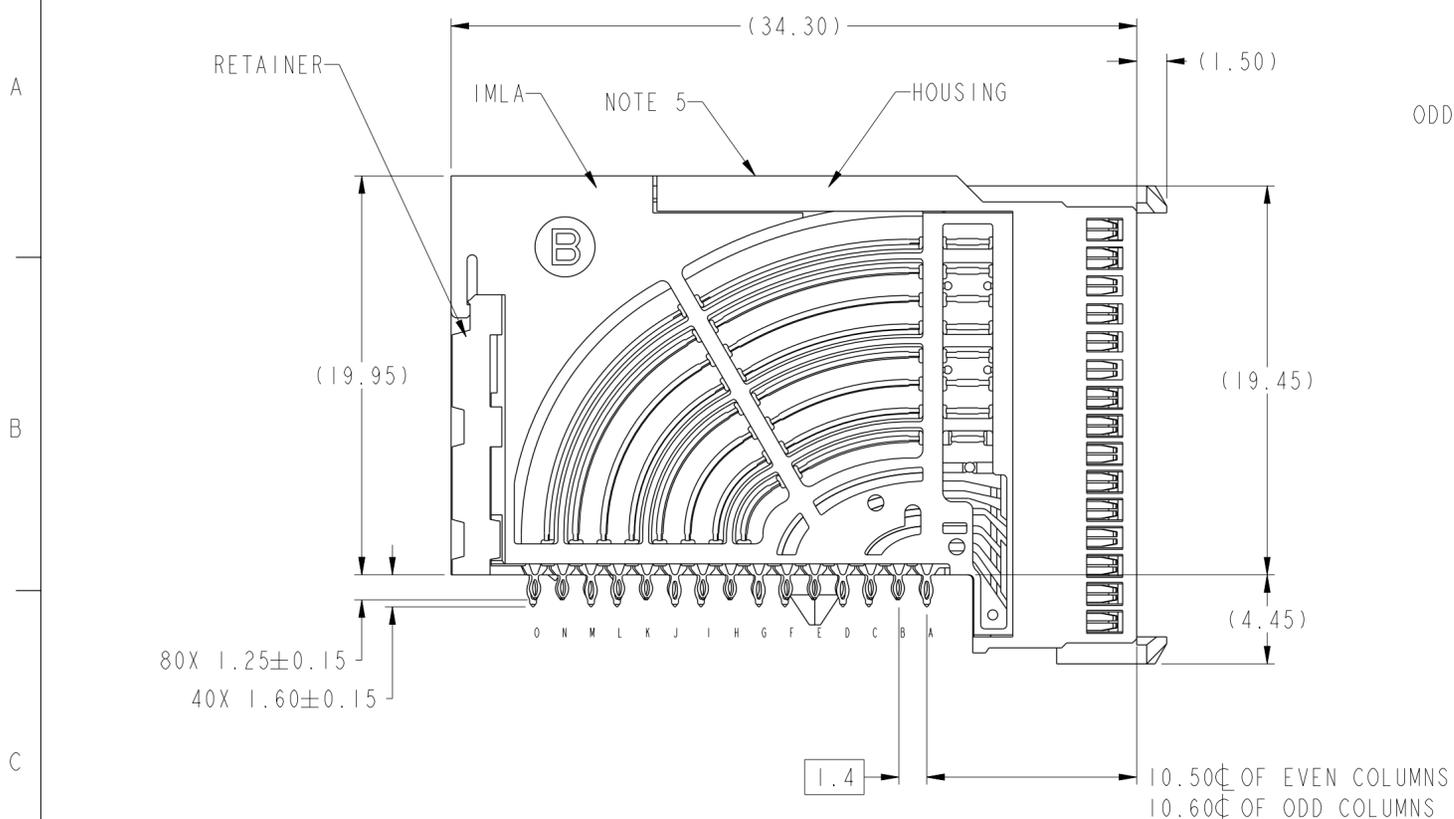


RECOMMENDED PCB LAYOUT

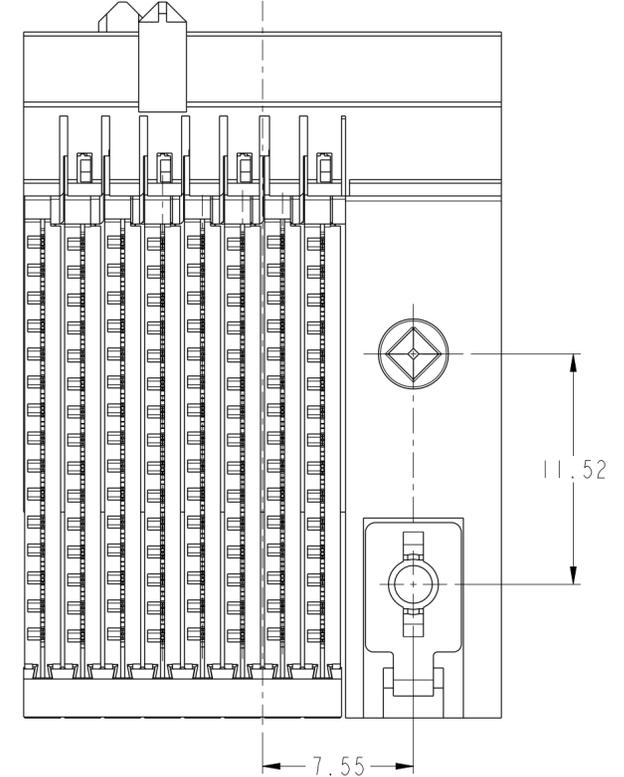
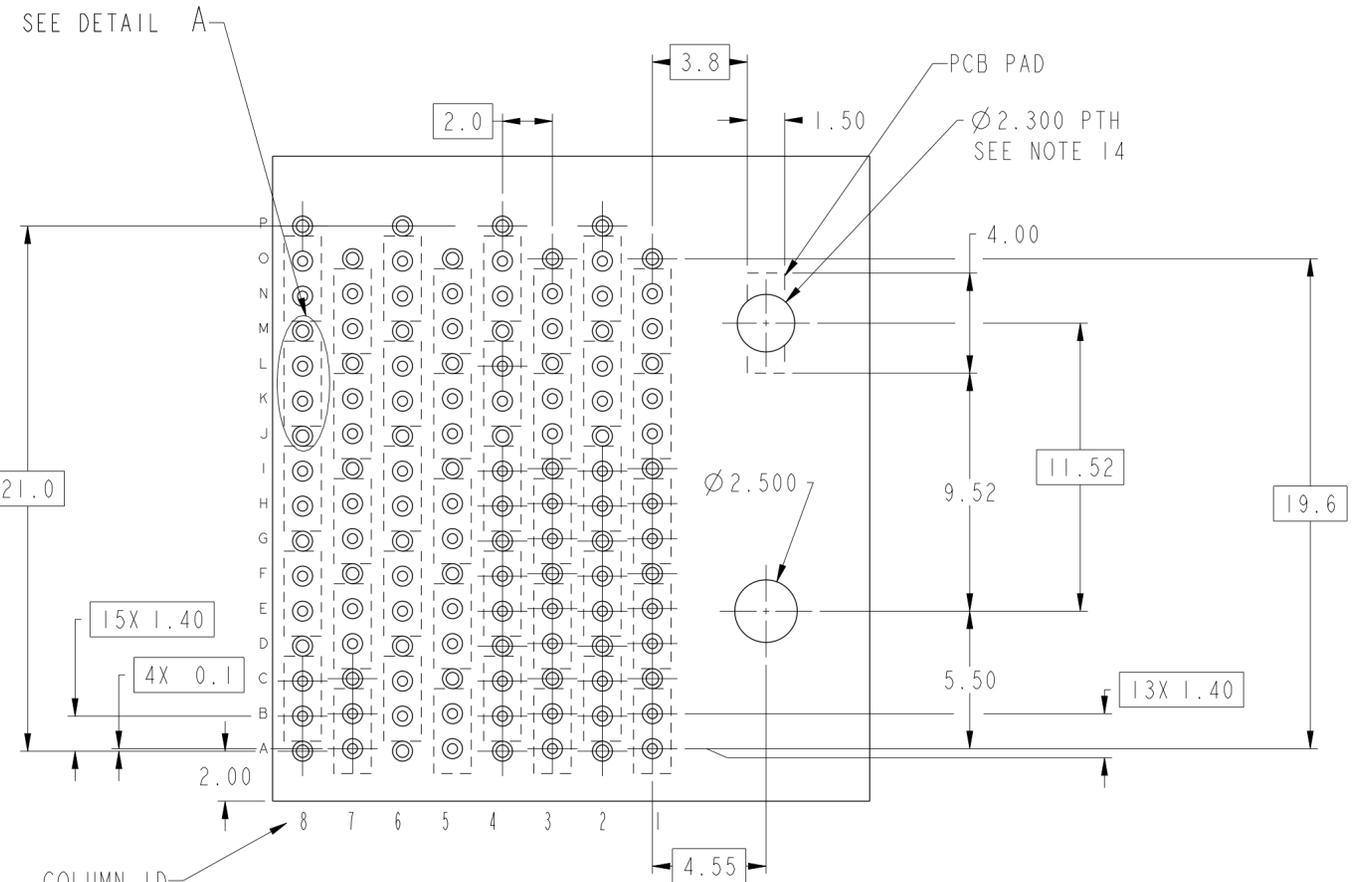
PRELIMINARY

|                                       |             |       |             |                |            |                            |                        |              |           |             |   |
|---------------------------------------|-------------|-------|-------------|----------------|------------|----------------------------|------------------------|--------------|-----------|-------------|---|
| spec ref                              | ---         | dr    | Jackie Chen | 2015/05/19     | projection | MM                         | size                   | A2           | scale     | 4:1         |   |
| tolerance std                         | ASME Y14.5M | eng   | Jackie Chen | 2016/03/15     |            |                            | ecn no                 | -            | rel level | Preliminary |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |             | chr   | -           | product family |            |                            | AirMax VS2             |              |           |             |   |
| surface                               | -           | appr  | -           |                | title      | AIRMAX VS2 R.A. RECEPTACLE |                        | dwg no       | 10135313  | rev         | 1 |
|                                       | linear      | 0.X   | ±.3         |                | cat. no.   | -                          | Product - Customer Drw | sheet 2 of 4 |           |             |   |
|                                       |             | 0.XX  | ±.15        |                |            |                            |                        |              |           |             |   |
|                                       |             | 0.XXX | ±.050       |                |            |                            |                        |              |           |             |   |
|                                       | angular     | 0°    | ±°          |                |            |                            |                        |              |           |             |   |

LEFT POLARIZATION WITH GUIDE



Amphenol FCI



**PRELIMINARY**

|               |             |         |             |            |                |            |          |                            |           |              |   |
|---------------|-------------|---------|-------------|------------|----------------|------------|----------|----------------------------|-----------|--------------|---|
| spec ref      | ---         | dr      | Jackie Chen | 2015/05/19 | projection     | MM         | size     | A2                         | scale     | 8:1          |   |
| tolerance std | ASME Y14.5M | eng     | Jackie Chen | 2016/03/15 | chr            | -          | ecn no   | -                          | rel level | Preliminary  |   |
| surface       | ✓           | linear  | 0.X         | ±.3        | product family | AIRMAX VS2 | title    | AIRMAX VS2 R.A. RECEPTACLE |           | rev          | 1 |
|               |             |         | 0.XX        | ±.15       |                |            | cat. no. | -                          |           | sheet 3 of 4 |   |
|               |             |         | 0.XXX       | ±.050      |                |            |          | Product - Customer Drw     |           |              |   |
|               |             | angular | 0°          | ±°         |                |            |          |                            |           |              |   |

|                |                             |
|----------------|-----------------------------|
| PRODUCT NUMBER | PRESS-FIT TAIL PLATING TYPE |
| 10135313-10*LF | TIN OVER NICKEL (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 24.0 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

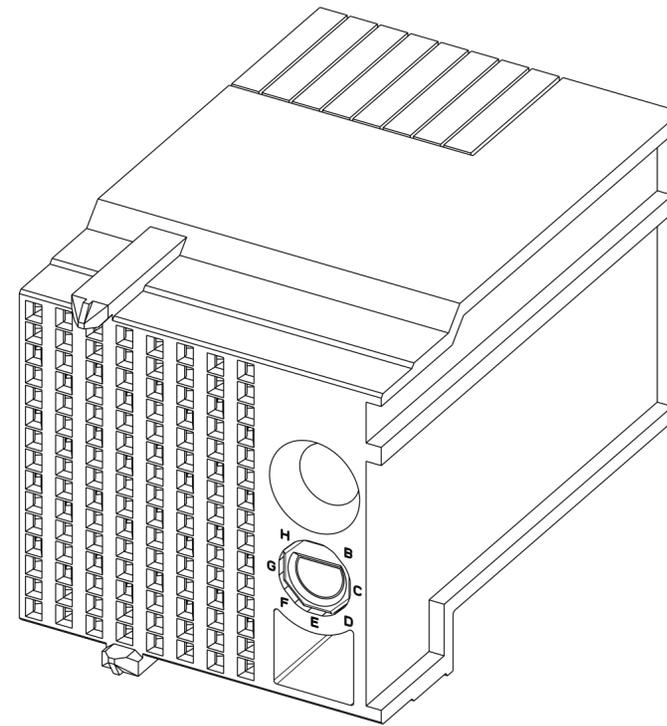
- 10 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.

- 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.

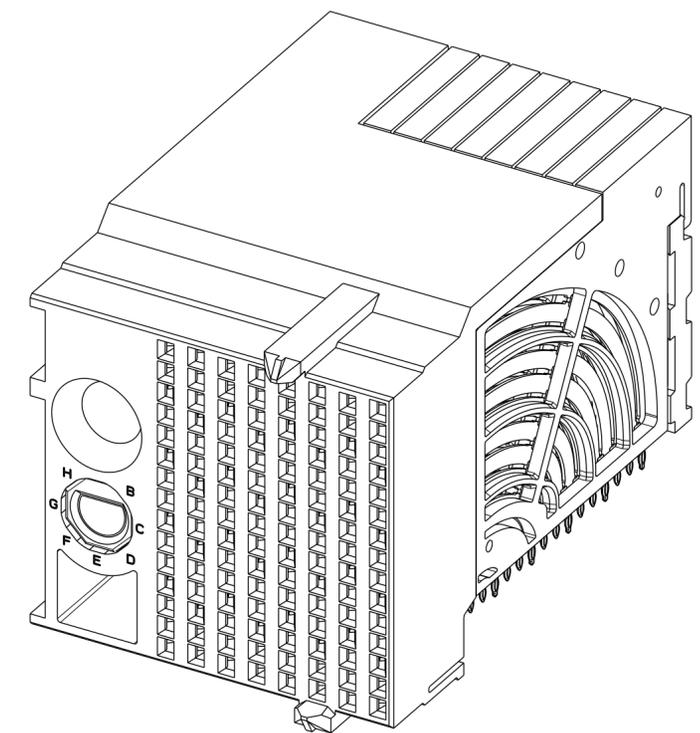
- 12 - THESE OUTER VIAS (M) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECCOMMEND (Ø0.500) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.

- 13 - A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE, WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

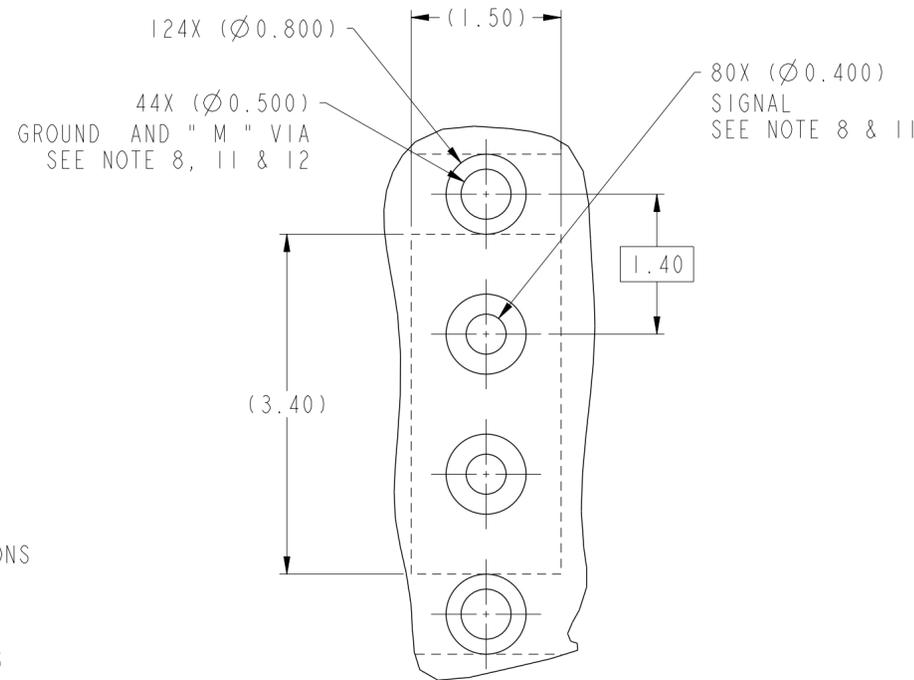
- 14 - CUSTOMER CAN FIX THE CONNECTOR WITH THREAD FORMING SCREW THROUGH THIS PTH. THE SCREW IS #2-32, THE VALID LENGTH OF SCREW IS 4.5MM PLUS THE THICKNESS OF PCB.



10135313-10ALF



10135313-10PLF



DETAIL A  
SCALE 20:1

PRELIMINARY

|                                       |             |     |             |                |   |                           |                 |                        |           |             |
|---------------------------------------|-------------|-----|-------------|----------------|---|---------------------------|-----------------|------------------------|-----------|-------------|
| spec ref                              | ---         | dr  | Jackie Chen | 2015/05/19     | projection  | MM                        | size            | A2                     | scale     | 4:1         |
| tolerance std                         | ASME Y14.5M | eng | Jackie Chen | 2016/03/15     |   |                           | ecn no          | -                      | rel level | Preliminary |
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| surface                               | linear      | 0.X | ±.3         |                | <b>title</b><br>AIRMAX VS2 R.A. RECEPTACLE<br>ASS'Y, 5 PAIR, 120 POS, 8 IMLA, 20MM, W/GUIDE/KEY | <b>dwg no</b><br>10135313 | <b>rev</b><br>1 | Product - Customer Drw |           |             |
|                                       | angular     | 0°  | ±°          |                |   |                           |                 | sheet 4 of 4           |           |             |
|                                       |             |     |             |                |   |                           |                 |                        |           |             |