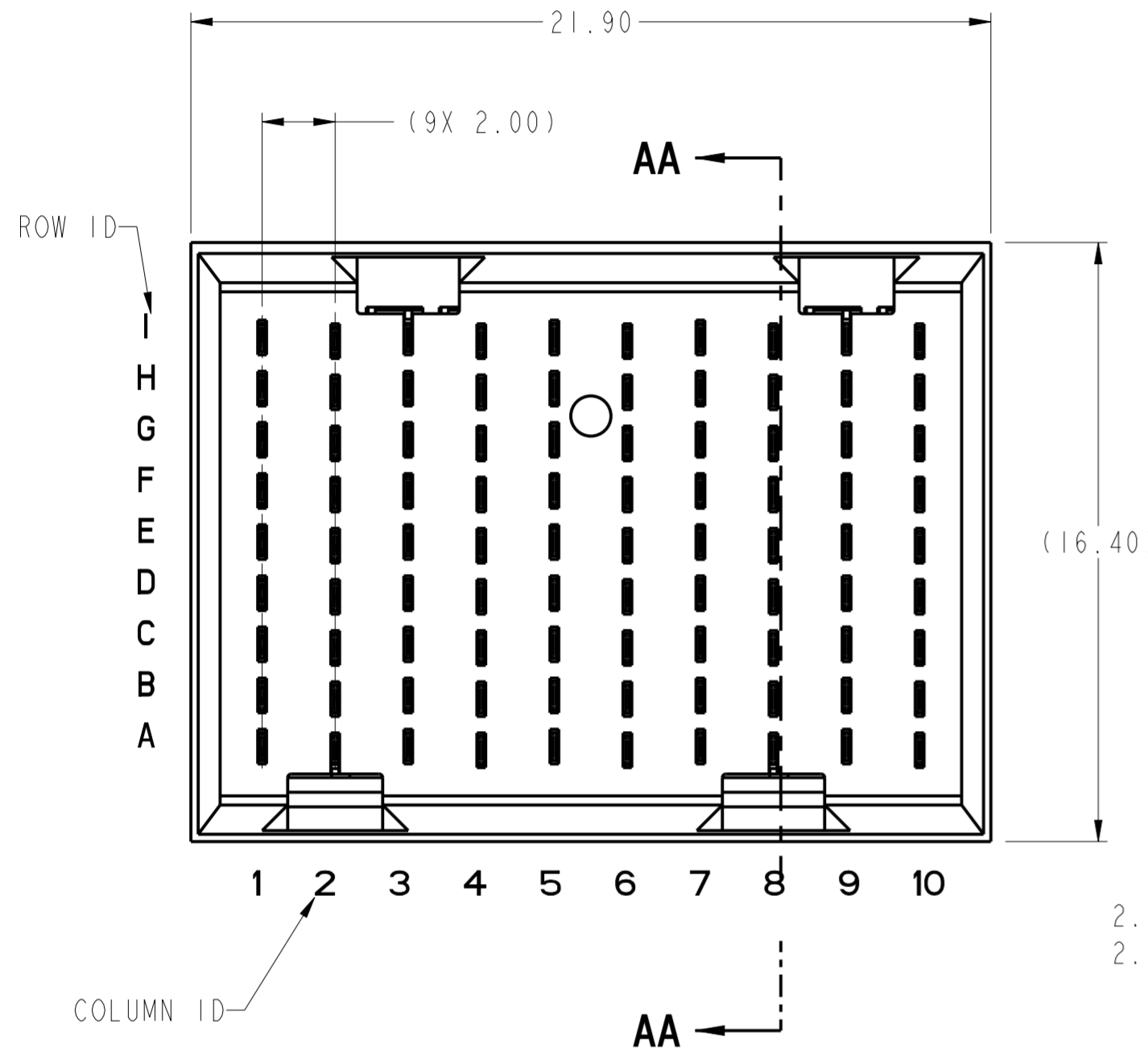


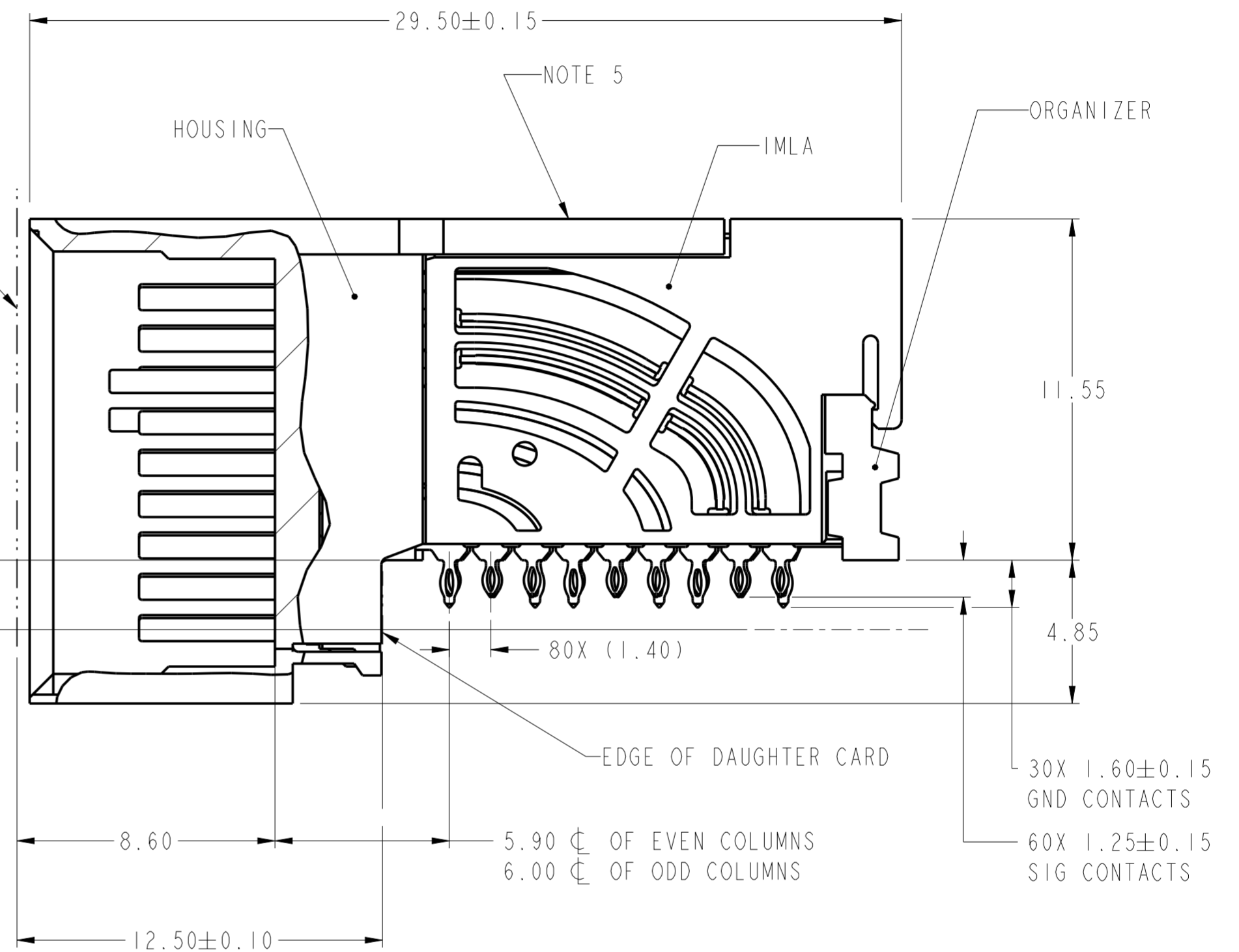
PRODUCT NUMBER  
SEE SHEET 3



TOP SURFACE OF MOTHER BOARD

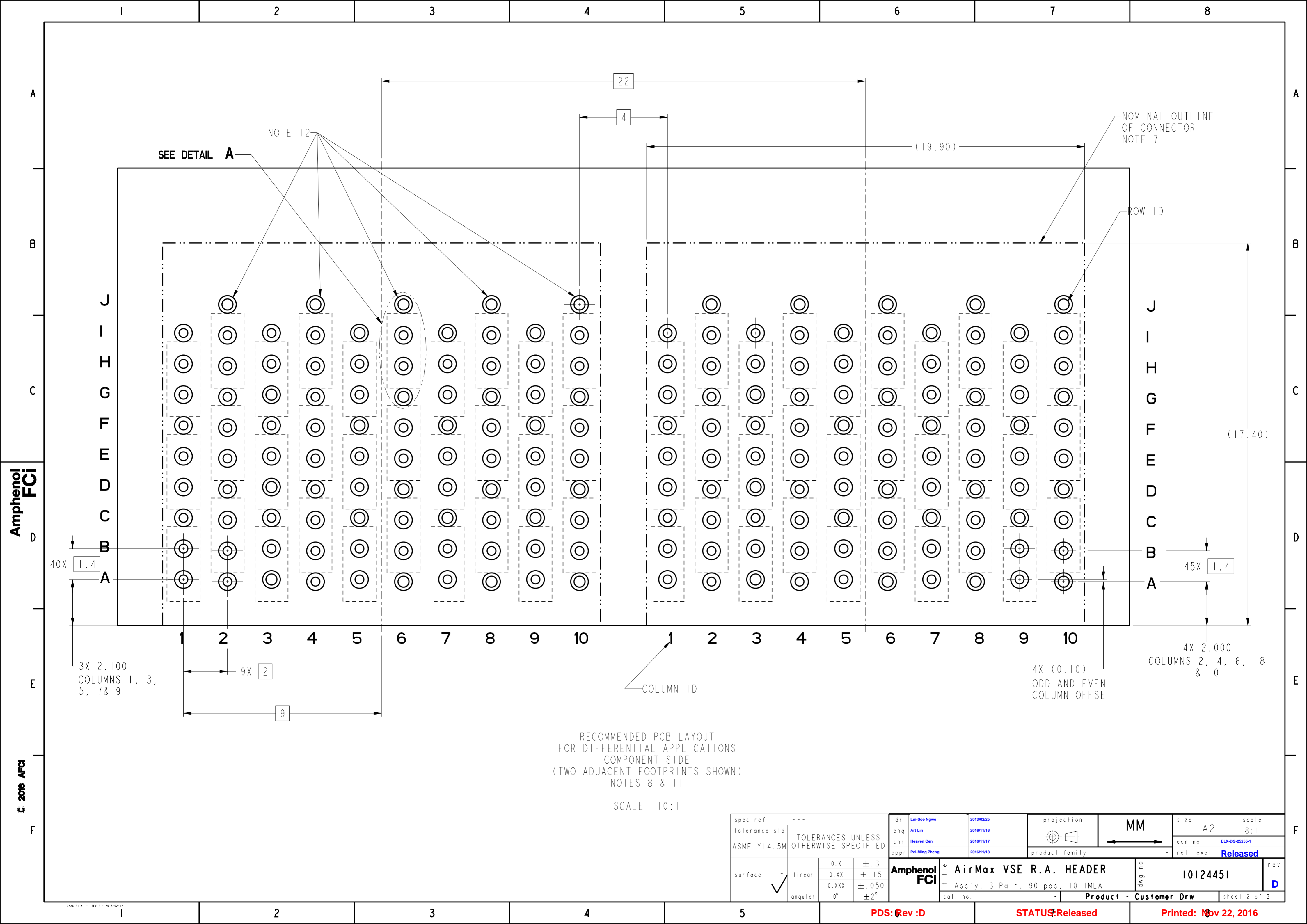
TOP SURFACE OF DAUGHTER CARD

2.35  $\phi$  OF EVEN COLUMNS  
2.25  $\phi$  OF ODD COLUMNS



SECTION AA-AA

|                                       |   |          |                        |            |            |              |                |                |           |          |         |    |     |      |                |            |                     |  |   |                           |                 |
|---------------------------------------|---|----------|------------------------|------------|------------|--------------|----------------|----------------|-----------|----------|---------|----|-----|------|----------------|------------|---------------------|--|---|---------------------------|-----------------|
| spec ref                              | ---   | dr       | Lin-Soe Ngwe           | 2013/02/25 | projection | MM           | size           | A2             | scale     | 6:1      |         |    |     |      |                |            |                     |  |   |                           |                 |
| tolerance std                         | ASME Y14.5M   | eng      | Art Lin                | 2016/11/16 |            |              | ecn no         | ELX-DG-25255-1 | rel level | Released |         |    |     |      |                |            |                     |  |   |                           |                 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |   | chr      | Heaven Cen             | 2016/11/17 |            |              | product family | AirMax VSE     |           |          |         |    |     |      |                |            |                     |  |   |                           |                 |
| surface                               | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.15</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table> | linear   | 0.X                    | ±.3        |            | 0.XX         | ±.15           |                | 0.XXX     | ±.050    | angular | 0° | ±2° | appr | Pai-Ming Zheng | 2016/11/18 | <b>Amphenol FCI</b> |  | <b>AirMax VSE R.A. HEADER</b><br>Ass'y, 3 Pair, 90 pos, 10 IMLA | dwg no<br><b>10124451</b> | rev<br><b>D</b> |
| linear                                | 0.X   | ±.3      |                        |            |            |              |                |                |           |          |         |    |     |      |                |            |                     |  |   |                           |                 |
|                                       | 0.XX  | ±.15     |                        |            |            |              |                |                |           |          |         |    |     |      |                |            |                     |  |   |                           |                 |
|                                       | 0.XXX   | ±.050    |                        |            |            |              |                |                |           |          |         |    |     |      |                |            |                     |  |   |                           |                 |
| angular                               | 0°  | ±2°      |                        |            |            |              |                |                |           |          |         |    |     |      |                |            |                     |  |   |                           |                 |
|                                       |   | cat. no. | Product - Customer Drw |            |            | sheet 1 of 3 |                |                |           |          |         |    |     |      |                |            |                     |  |   |                           |                 |



SEE DETAIL A

NOTE 12

NOMINAL OUTLINE OF CONNECTOR NOTE 7

ROW ID

COLUMN ID

RECOMMENDED PCB LAYOUT  
FOR DIFFERENTIAL APPLICATIONS  
COMPONENT SIDE  
(TWO ADJACENT FOOTPRINTS SHOWN)  
NOTES 8 & 11

SCALE 10:1

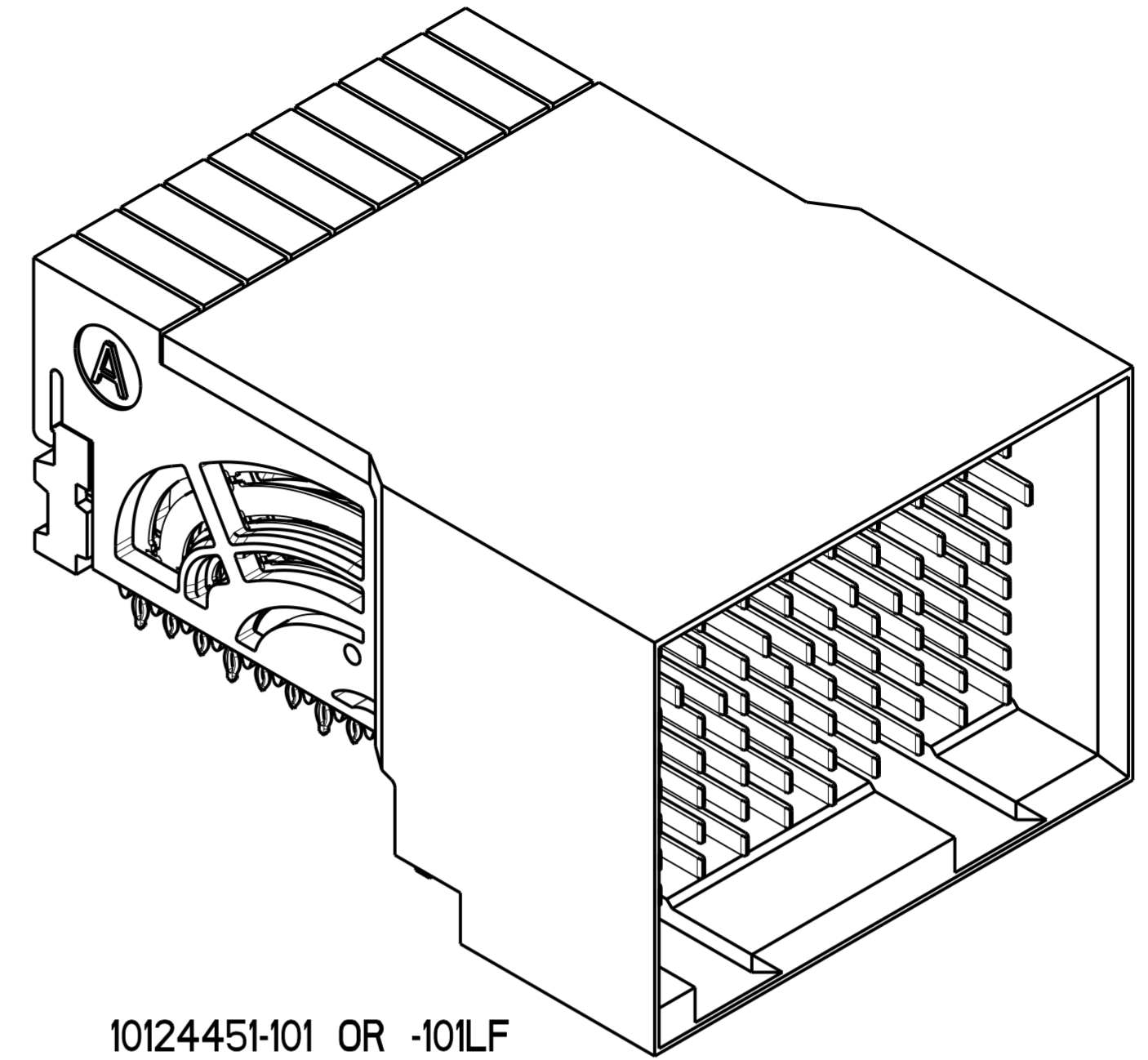
|                                       |   |        |              |   |            |                 |                               |               |              |       |         |    |     |      |                |            |                |  |  |  |
|---------------------------------------|---|--------|--------------|---|------------|-----------------|-------------------------------|---------------|--------------|-------|---------|----|-----|------|----------------|------------|----------------|--|--|--|
| spec ref                              | ---   | dr     | Lin-Soe Ngwe | 2013/02/25  | projection | MM              | size                          | A2            | scale        | 8:1   |         |    |     |      |                |            |                |  |  |  |
| tolerance std                         | ASME Y14.5M   | eng    | Art Lin      | 2016/11/16  |            |                 | ecn no                        | ELX-DG-2525-1 |              |       |         |    |     |      |                |            |                |  |  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |   | chr    | Heaven Cen   | 2016/11/17  |            |                 |                               | rel level     | Released     |       |         |    |     |      |                |            |                |  |  |  |
| surface                               | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.15</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table> | linear | 0.X          | ±.3   |            | 0.XX            | ±.15                          |               | 0.XXX        | ±.050 | angular | 0° | ±2° | appr | Pai-Ming Zheng | 2016/11/18 | product family |  |  |  |
| linear                                | 0.X   | ±.3    |              |   |            |                 |                               |               |              |       |         |    |     |      |                |            |                |  |  |  |
|                                       | 0.XX  | ±.15   |              |   |            |                 |                               |               |              |       |         |    |     |      |                |            |                |  |  |  |
|                                       | 0.XXX   | ±.050  |              |   |            |                 |                               |               |              |       |         |    |     |      |                |            |                |  |  |  |
| angular                               | 0°  | ±2°    |              |   |            |                 |                               |               |              |       |         |    |     |      |                |            |                |  |  |  |
|                                       |   |        |              | <b>AirMax VSE R.A. HEADER</b><br>Ass'y, 3 Pair, 90 pos, 10 IMLA |            | cat. no.        | <b>Product - Customer Drw</b> |               | sheet 2 of 3 |       |         |    |     |      |                |            |                |  |  |  |
|                                       |   |        |              | title<br><b>10124451</b>  |            | rev<br><b>D</b> |                               |               |              |       |         |    |     |      |                |            |                |  |  |  |

Amphenol FCI

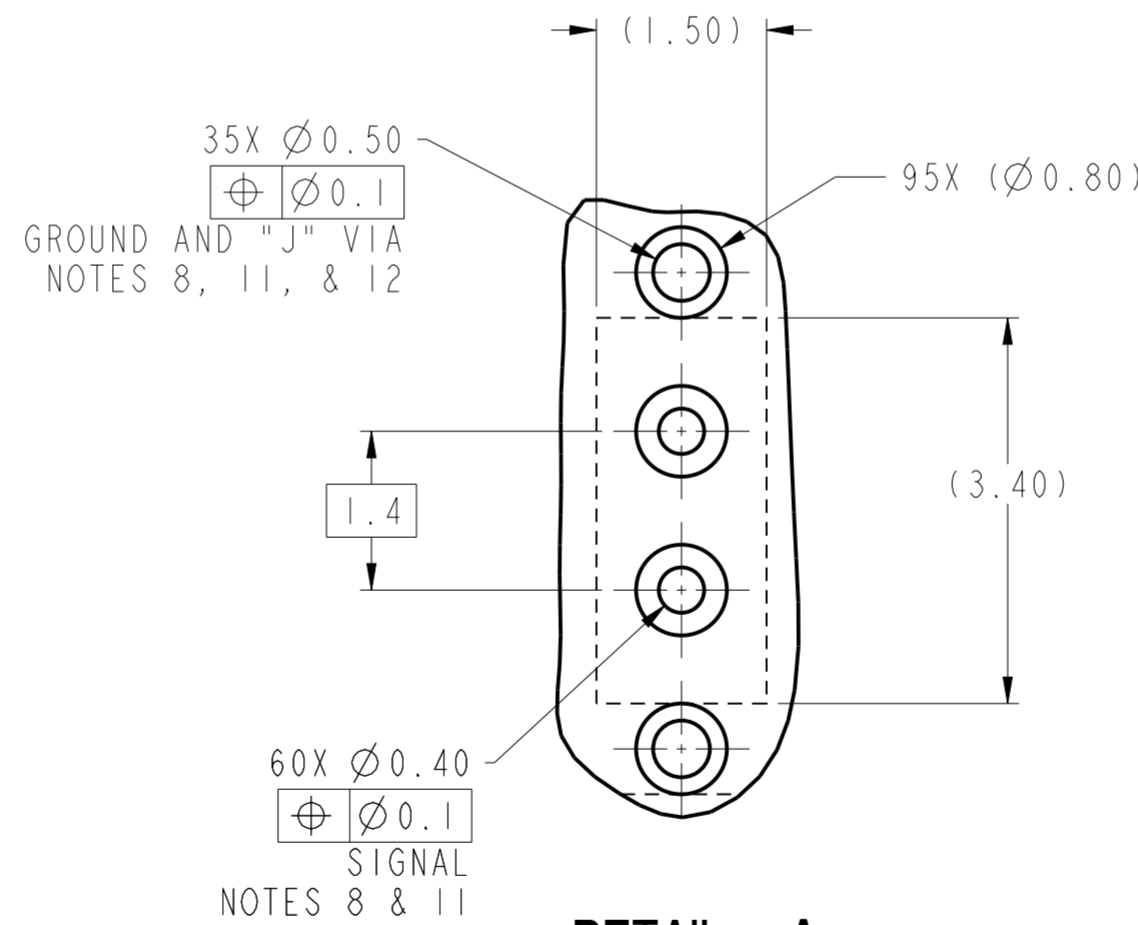
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|                |                             |
|----------------|-----------------------------|
| PRODUCT NUMBER | PRESS-FIT TAIL PLATING TYPE |
| 10124451-101   | TIN/LEAD ALLOY OVER NICKEL  |
| 10124451-101LF | TIN OVER NICKEL (LEAD FREE) |

- 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, NATURAL, UL94-V0
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-XXX 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, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- 6 - POSITIONS "F" OF ODD NUMBERED COLUMNS AND POSITIONS "G" OF EVEN NUMBERED COLUMNS CORRESPOND TO EARLY MATE HEADER PINS.
- 7 - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR 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, & I IN ODD COLUMNS AND A, D, & G IN EVEN COLUMNS) REQUIRE (Ø0.50) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.40) FINISHED HOLES
- 12 - THESE OUTER VIAS (J) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECOMMEND (Ø0.500) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.



10124451-101 OR -101LF



DETAIL A  
SCALE 15:1

|                                       |             |       |                |                     |                                |                        |           |                |          |     |
|---------------------------------------|-------------|-------|----------------|---------------------|--------------------------------|------------------------|-----------|----------------|----------|-----|
| spec ref                              | ---         | dr    | Lin-Soe Ngwe   | 2013/02/25          | projection                     | MM                     | size      | A2             | scale    | 5:1 |
| tolerance std                         | ASME Y14.5M | eng   | Art Lin        | 2016/11/16          |                                |                        | ecn no    | ELX-DG-25255-1 |          |     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |             | chr   | Heaven Cen     | 2016/11/17          |                                |                        | rel level | Released       |          |     |
| surface                               | ✓           | appr  | Pei-Ming Zheng | 2016/11/18          | product family                 | AirMax VSE R.A. HEADER |           | dwg no         | 10124451 |     |
|                                       | linear      | 0.X   | ±.3            | <b>Amphenol FCI</b> | Ass'y, 3 Pair, 90 pos, 10 IMLA |                        | rev       | D              |          |     |
|                                       |             | 0.XX  | ±.15           |                     | cat. no.                       | Product - Customer Drw |           | sheet 3 of 3   |          |     |
|                                       |             | 0.XXX | ±.050          |                     |                                |                        |           |                |          |     |
|                                       | angular     | 0°    | ±2°            |                     |                                |                        |           |                |          |     |

Amphenol FCI

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