

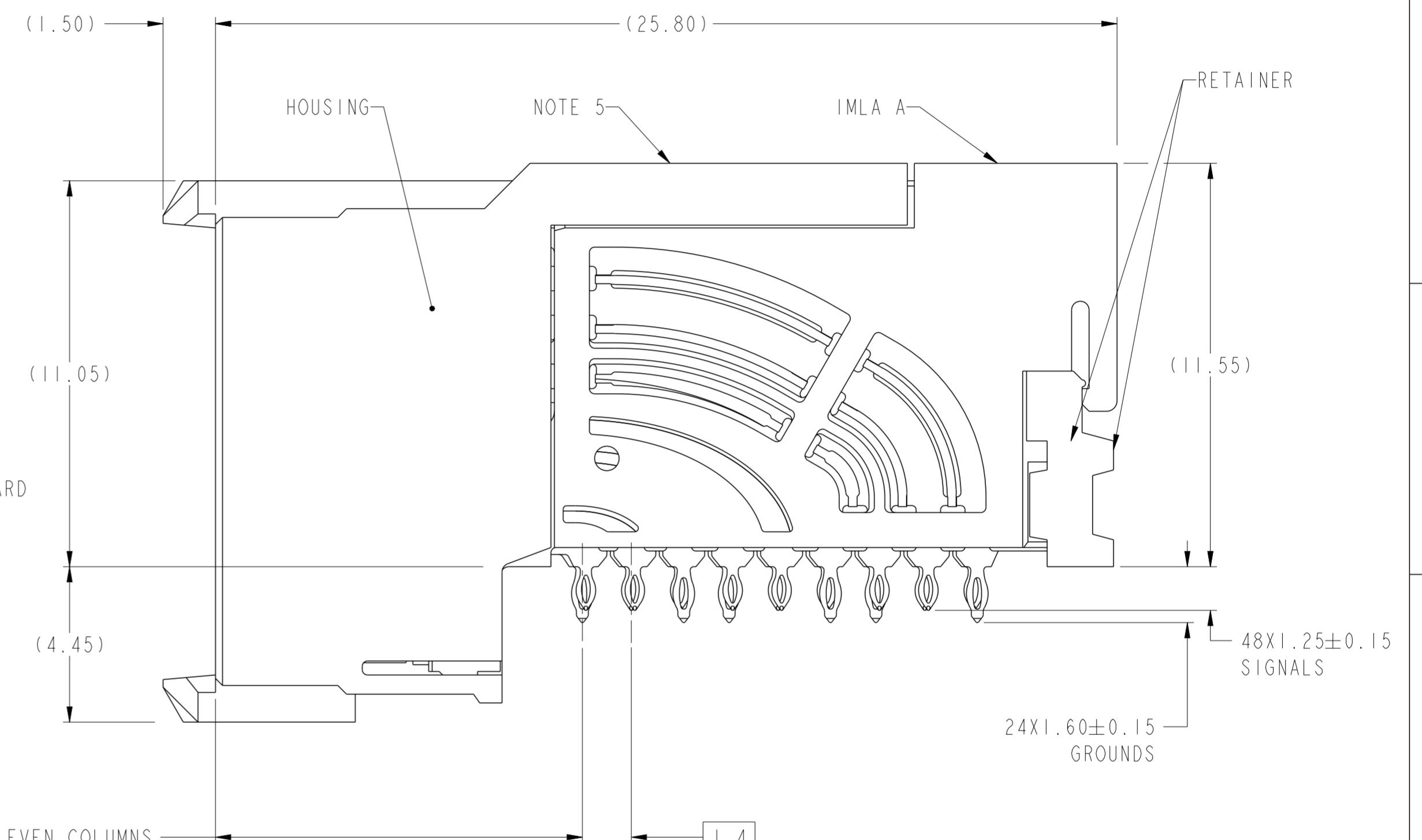
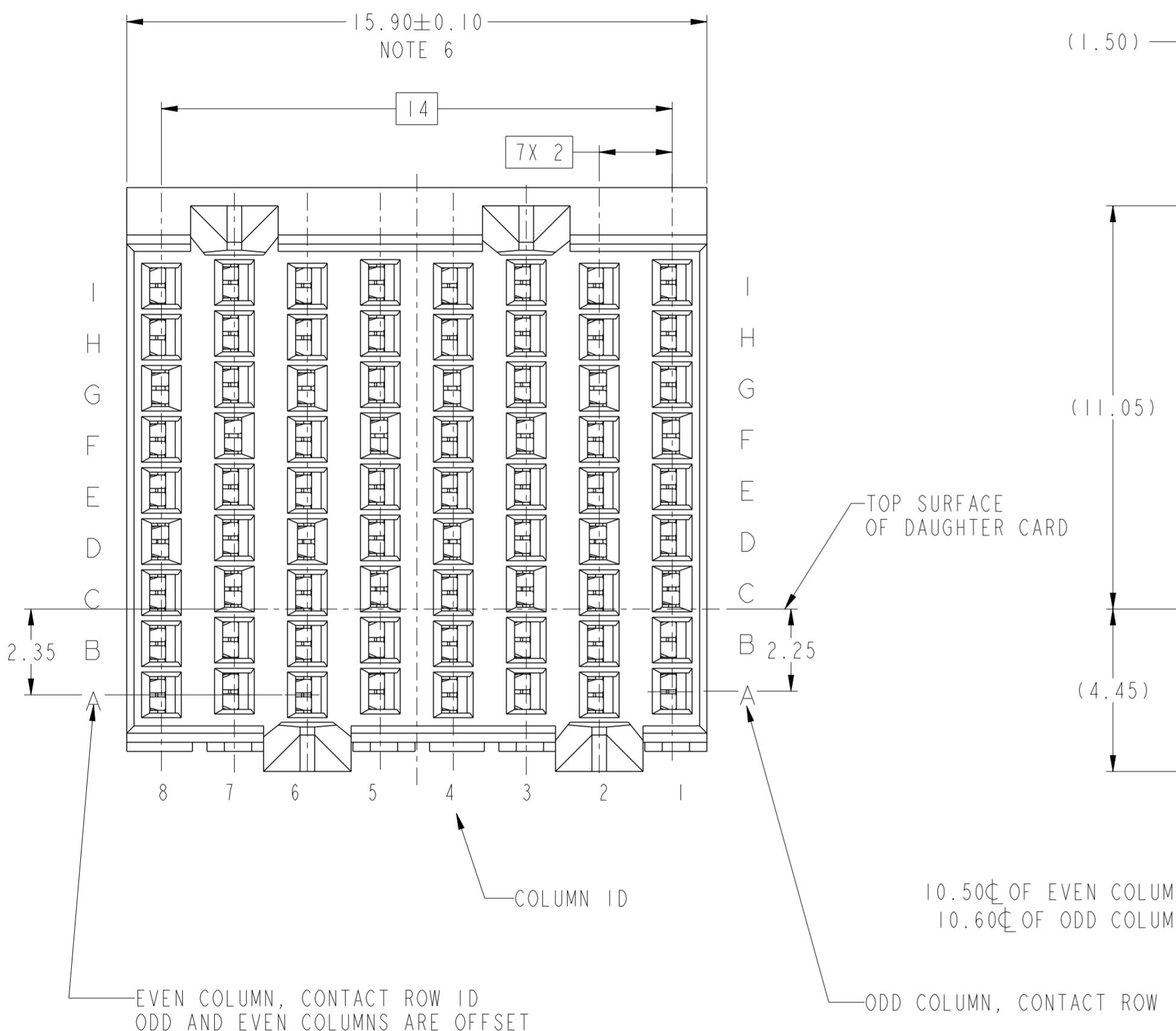
| |
|----------------|
| PRODUCT NUMBER |
| SEE SHEET 3 |

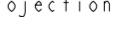
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Amphenol FCI

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| | | | | | | | | | |
|---------------|---|------------|--------------|----------------|---|---|------------------------|----------------|-------|
| spec ref | --- | dr | Lin-Soe Ngwe | 2012/10/05 |  |  | size | A2 | scale |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5M | eng | Terry Luo | 2019/04/23 | | | ecn no | ELX-DG-33321-1 | 1:1 |
| chr | | - | - | - | | | rel level | Released | |
| appr | | Heaven Cen | 2019/04/26 | product family | | | AirMax VSE | | |
| surface | - | linear | 0.X | ±.3 |  | AIRMAX VSE R.A. RECEPTACLE ASS'Y, 3 PAIR, 72 POS, 8 IMLA, 16MM | dwg no | 10122263 | rev |
| | | | 0.XX | ±.10 | | | dwg no | | C |
| | | | 0.XXX | ±.050 | | | dwg no | | |
| | | angular | 0° | ±° | | | dwg no | | |
| | | | | | cat. no. | - | Product - Customer Drw | sheet 1 of 3 | |

FCI

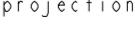
- 100 -

Creo File - REV E - 2016-02-12
aded from Arrow.com.

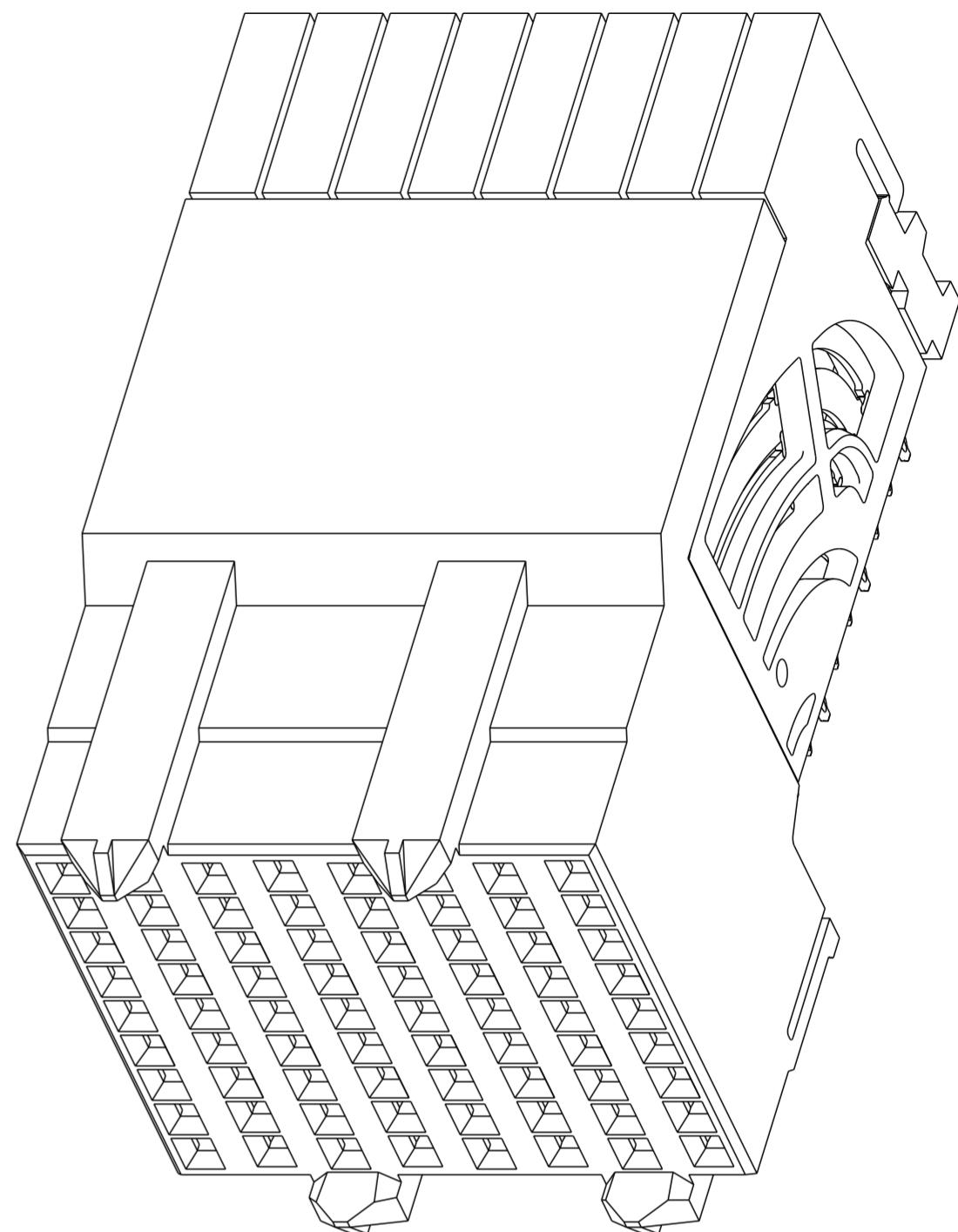
Technical drawing of a connector layout, showing a grid of 16 columns and 12 rows of pads. The drawing includes the following dimensions and notes:

- Top Dimensions:** A horizontal dimension line at the top indicates a width of **16**. A note **NOTE 6** is positioned above the top row of pads.
- Right Dimensions:** A vertical dimension line on the right indicates a height of **(15.90)**. A note **NOTE 7** is located to the right of the rightmost column.
- Bottom Dimensions:** A horizontal dimension line at the bottom indicates a width of **14**. A note **NOTE 14** is located below the bottom row of pads.
- Left Dimensions:** A vertical dimension line on the left indicates a height of **100**. A note **NOTE 100** is located to the left of the leftmost column.
- Column and Row Labels:** The columns are labeled from **8** to **1** from left to right. The rows are labeled from **A** to **J** from bottom to top. A note **SEE DETAIL B** points to the top-left corner of the grid.
- Pad Labels:** Pads are labeled with **9X 1.4** for the first column, **8X 1.4** for the last column, and **7X 2** for the bottom row.
- Odd and Even Column Offset:** A note **4X 0.1** is located at the bottom right, indicating an offset for odd and even columns.
- Notes:** **SEE NOTE 12** is located at the top left, and **SEE NOTE 14** is located at the bottom left.

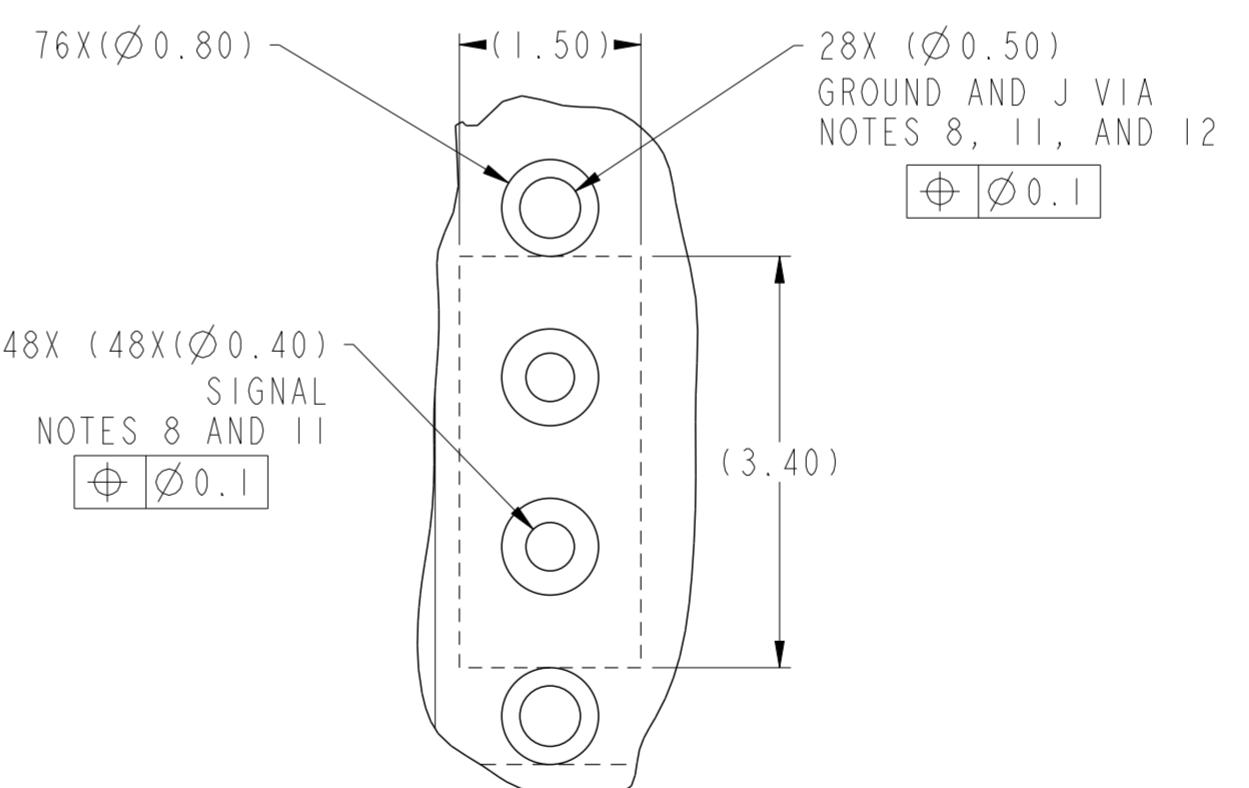
RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 6, 8 & 11

| | | | | | | | | | |
|---------------|---|------------|--------------|----------------|---|---|------------|----------------|-------|
| spec ref | --- | dr | Lin-Soe Ngwe | 2012/10/05 | projection  | MM | size | A2 | scale |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5M | eng | Terry Luo | 2019/04/23 | | | ecn no | ELX-DG-33321-1 | 1 : 1 |
| chr | | - | - | - | | | rel level | | |
| appr | | Heaven Cen | 2019/04/26 | product family | | | AirMax VSE | Released | |
| surface | - | linear | 0.X | ±.3 | Amphenol FCI | AIRMAX VSE R.A. RECEPTACLE ASS'Y, 3 PAIR, 72 POS, 8 IMLA, 16MM | dwg no | 10122263 | rev |
| | | | 0.XX | ±.10 | | | no | | C |
| | | | 0.XXX | ±.050 | | | dwg | | |
| | | angular | 0° | ±° | | | cat. no. | | |

- 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-12-0956 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 16.0 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 $(\phi 0.500)$ FINISHED HOLES. SIGNAL LOCATIONS REQUIRE $(\phi 0.400)$ FINISHED HOLES.
- 12 - THESE OUTER VIAS (J) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECOMMEND $(\phi 0.500)$ FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB



10122263-101 OR -101LF



DETAIL B
SCALE 16:1

| | | | | | | | | | | | | | | | |
|--|---|-------|-------|-------------------------------|--|---|---|-----------|----------------|-------|--|--|--|--|--|
| spec ref | --- | | dr | Lin-Soe Ngwe | 2012/10/05 |  |  | size | A2 | scale | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5M | | eng | Terry Luo | 2019/04/23 | | | ecn no | ELX-DG-33321-1 | | | | | | |
| | | | chr | - | - | | | rel level | Released | | | | | | |
| | | | appr | Heaven Cen | 2019/04/26 | | | rev | C | | | | | | |
|  surface | linear | 0.X | ±.3 | Amphenol FCi |  AIRMAX VSE R.A. RECEPTACLE | |  dwg no | 10122263 | | | | | | | |
| | | 0.XX | ±.10 | |  ASS'Y, 3 PAIR, 72 POS, 8 IMLA, 16MM | | | | | | | | | | |
| | | 0.XXX | ±.050 | |  cat. no. | | | | | | | | | | |
| | angular | 0° | ±° | |  Product - Customer Drw | | | | | | | | | | |
| | | | | |  sheet 3 of 3 | | | | | | | | | | |