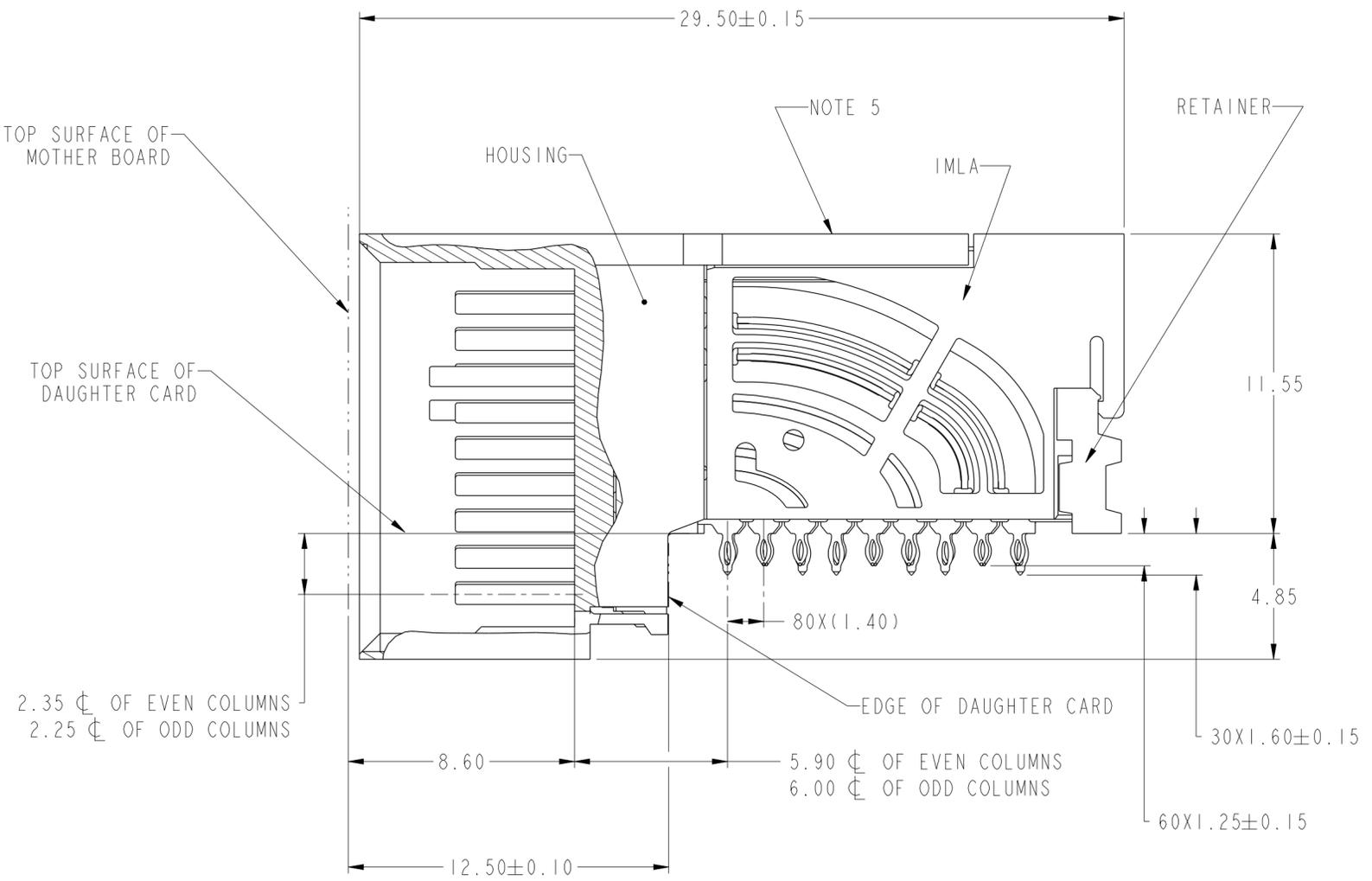
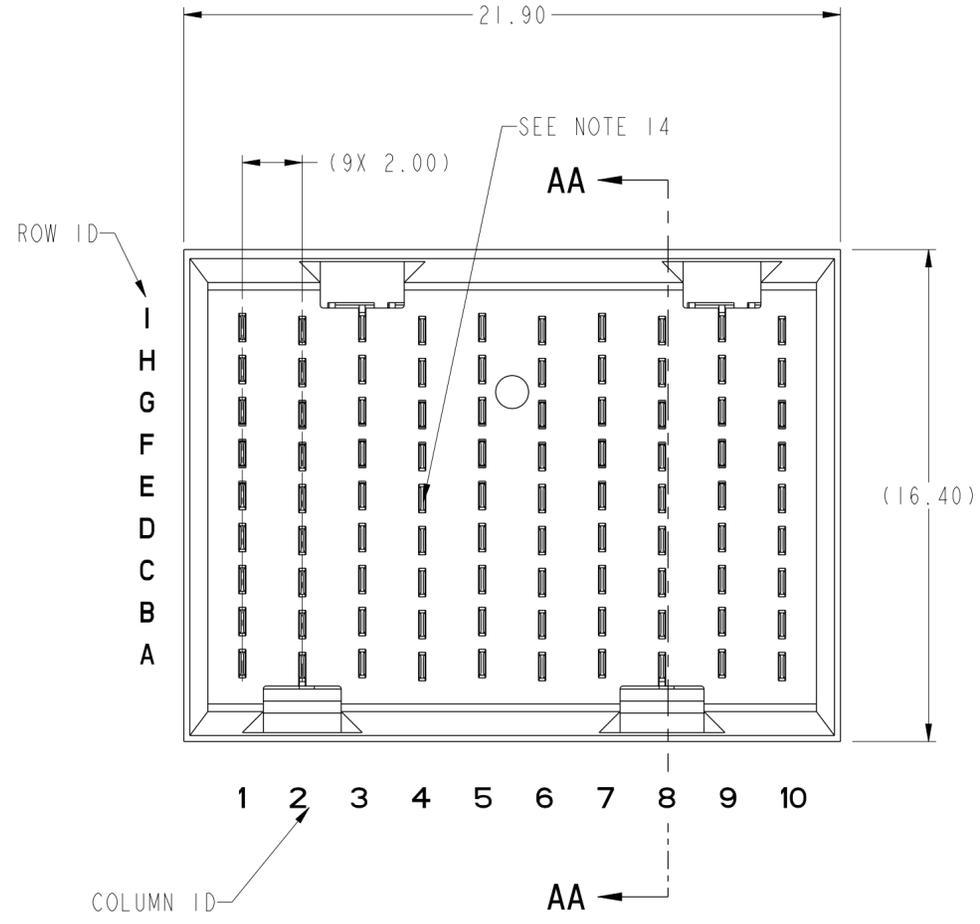


PRODUCT NUMBER
SEE SHEET 3



SECTION AA-AA

Amphenol
FCi

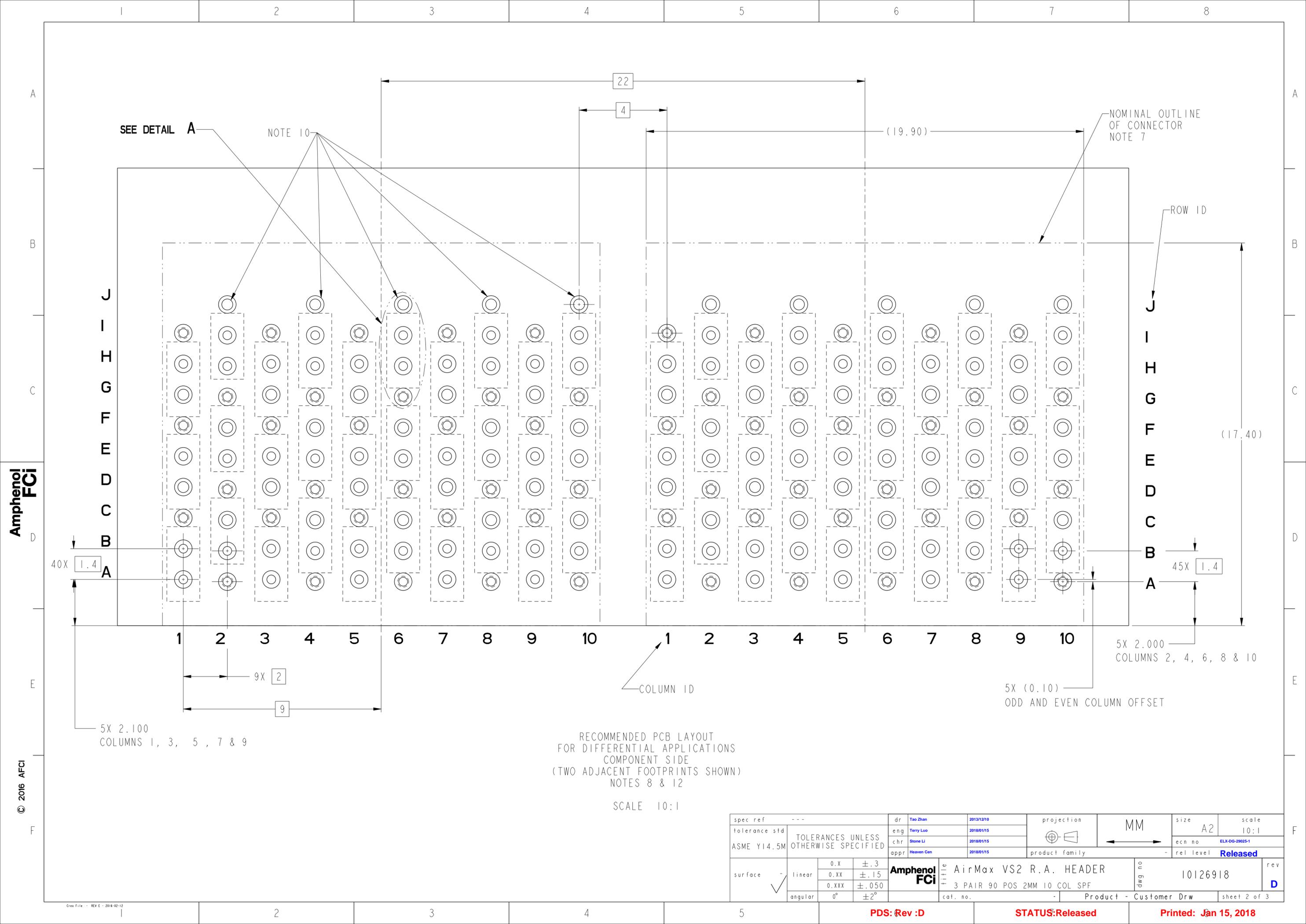
© 2016 AFci

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|----------|-----------|------------|------------|------------------------|----------------|----------------|-----------|----------|--|-------|-------|---------|----|-----|------|------------|------------|-------|------------------------|--------|
| spec ref | --- | dr | Tao Zhan | 2013/12/10 | projection | MM | size | A2 | scale | 6:1 | | | | | | | | | | | | |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2018/01/15 | | | ecn no | ELX-DG-29025-1 | rel level | Released | | | | | | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Stone Li | 2018/01/15 | | | 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 | Heaven Cen | 2018/01/15 | title | AirMax VS2 R.A. HEADER | dwg no |
| linear | 0.X | ±.3 | | | | | | | | | | | | | | | | | | | | |
| | 0.XX | ±.15 | | | | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | | | | |
| angular | 0° | ±2° | | | | | | | | | | | | | | | | | | | | |
| | | cat. no. | | - | | Product - Customer Drw | | sheet 1 of 3 | | | | | | | | | | | | | | |

PDS: Rev :D

STATUS:Released

Printed: Jan 15, 2018



SEE DETAIL A

NOTE 10

NOMINAL OUTLINE OF CONNECTOR NOTE 7

ROW ID

(17.40)

40X

1.4

45X

1.4

5X 2.100
COLUMNS 1, 3, 5, 7 & 9

9X 2

9

COLUMN ID

5X (0.10)
ODD AND EVEN COLUMN OFFSET

5X 2.000
COLUMNS 2, 4, 6, 8 & 10

RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 8 & 12

SCALE 10:1

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|--------|------------|------------|------------|------|--------|----------------|----------|-------|---------|----|-----|--|--|---|--|---------------------|----------------|---------------|------------------------|--------------|
| spec ref | --- | dr | Tao Zhan | 2013/12/10 | projection | MM | size | A2 | scale | 10:1 | | | | | | | | | | | | |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2018/01/15 | | | ecn no | ELX-DG-29025-1 | | | | | | | | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Stone Li | 2018/01/15 | | | | rel level | Released | | | | | | | | | | | | | |
| | | appr | Heaven Cen | 2018/01/15 | | | | | | | | | | | | | | | | | | |
| 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° | | | Amphenol FCI title AirMax VS2 R.A. HEADER 3 PAIR 90 POS 2MM 10 COL SPF | | product family - | rel level - | cat. no. - | Product - Customer Drw | sheet 2 of 3 |
| linear | 0.X | ±.3 | | | | | | | | | | | | | | | | | | | | |
| | 0.XX | ±.15 | | | | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | | | | |
| angular | 0° | ±2° | | | | | | | | | | | | | | | | | | | | |

PDS: Rev :D

STATUS:Released

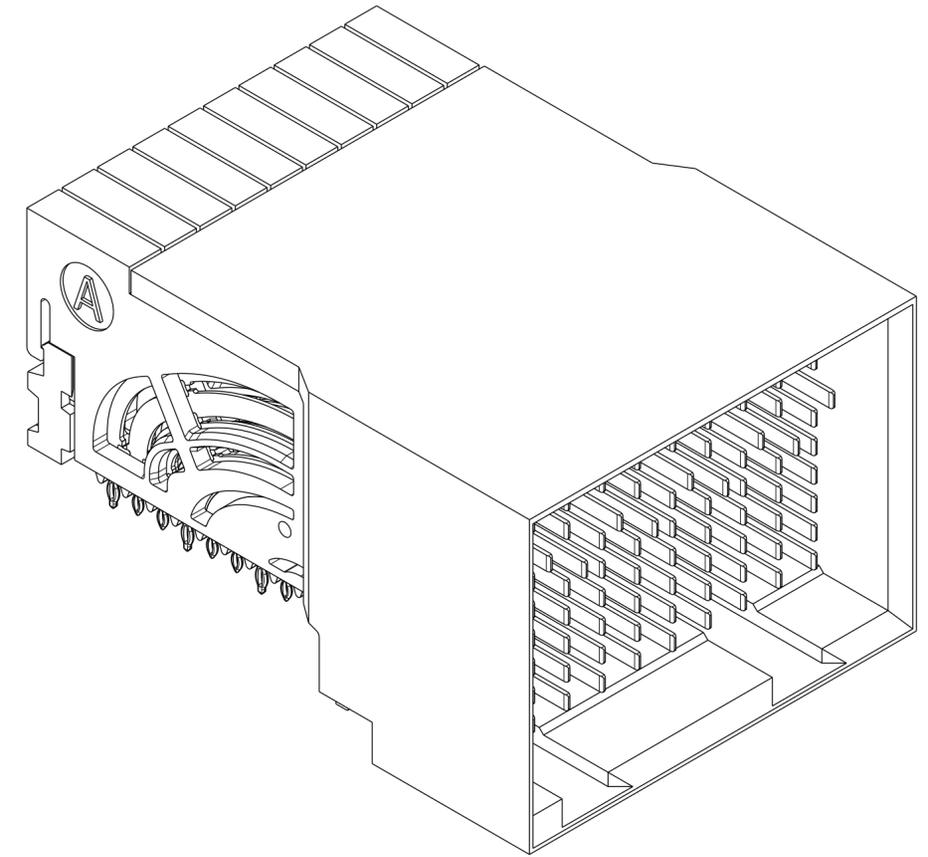
Printed: Jan 15, 2018

Amphenol FCI

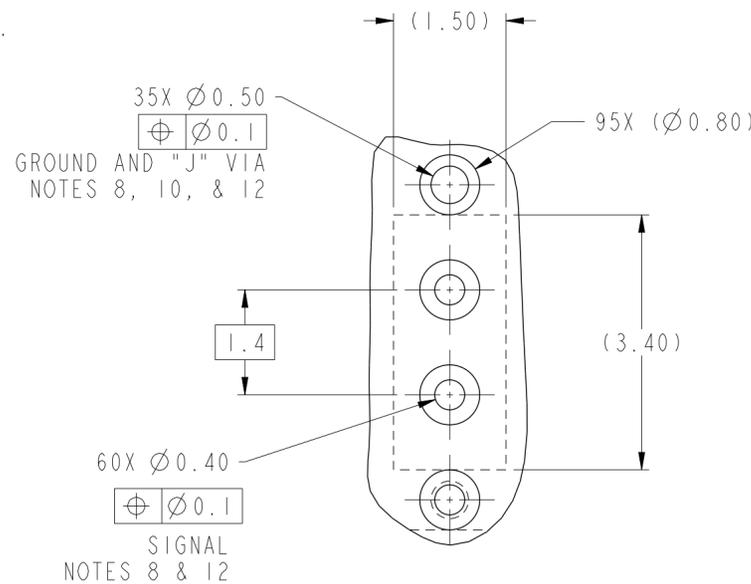
© 2016 APCI

| PRODUCT NUMBER | PRESS-FIT TAIL PLATING TYPE | SHORT DETECT CONTACT | REMARK |
|----------------|-----------------------------|----------------------|-----------------------------------|
| 10126918-101 | TIN/LEAD ALLOY OVER NICKEL | NO | 1-SIDE PLATING (CUSTOMER SPECIAL) |
| 10126918-101LF | TIN OVER NICKEL (LEAD FREE) | | |
| 10126918-111 | TIN/LEAD ALLOY OVER NICKEL | YES (SEE NOTE 14) | |
| 10126918-111LF | TIN OVER NICKEL (LEAD FREE) | | |
| 10126918-102 | TIN/LEAD ALLOY OVER NICKEL | NO | 2-SIDE PLATING |
| 10126918-102LF | 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-12-0956 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, (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 - THESE OUTER VIAS (J) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECOMMEND (Ø0.50) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.
- 11 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
- 12 - 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
- 13 - A \triangle SYMBOL WILL BE NEXT TO ANY DIMENSIONS, VIEW OR NOTE, WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- 14 - MATING PIN E4 HAS 0.5mm LESS NOMINAL WIPE THAN THE SHORTEST PIN.



10126918-101 OR -101LF
10126918-102 OR -102LF



DETAIL A
SCALE 15:1

| | | | | | | | | | | |
|---------------------------------------|-------------|--------------|------------|------------------------------|------------------------|-----|-----------|-------------------------------------|-------|------|
| spec ref | --- | dr | Tao Zhan | 2013/12/10 | projection | MM | size | A2 | scale | 10:1 |
| tolerance std | ASME Y14.5M | eng | Terry Luo | 2018/01/15 | | ← → | ecn no | ELX-DG-29025-1 | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | chr | Stone Li | 2018/01/15 | | | rel level | Released | | |
| surface | linear | appr | Heaven Cen | 2018/01/15 | product family | - | dwg no | 10126918 | | |
| | angular | Amphenol FCI | | title | AirMax VS2 R.A. HEADER | | | rev | D | |
| | | | | 3 PAIR 90 POS 2MM 10 COL SPF | | | cat. no. | Product - Customer Drw sheet 3 of 3 | | |