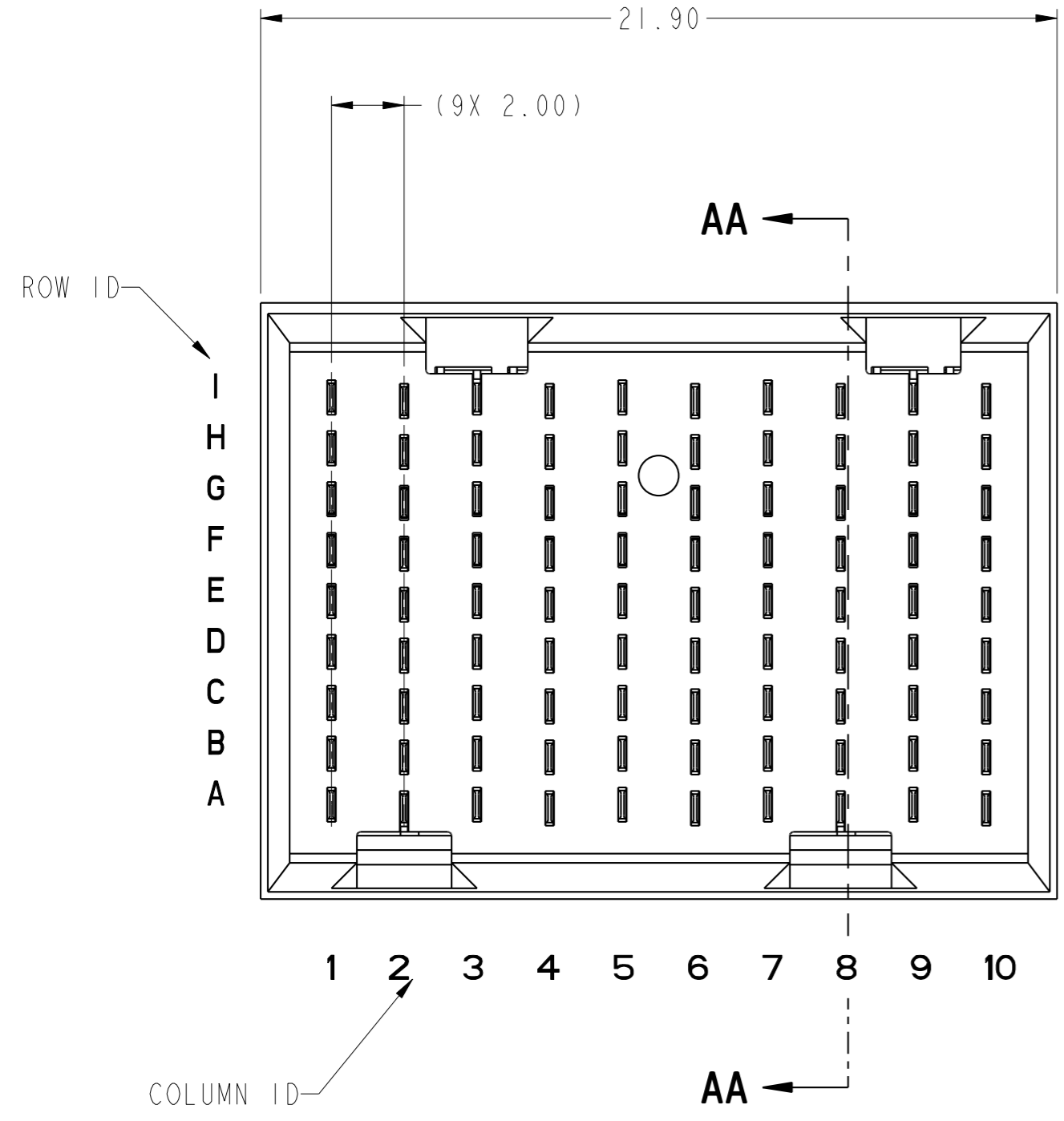


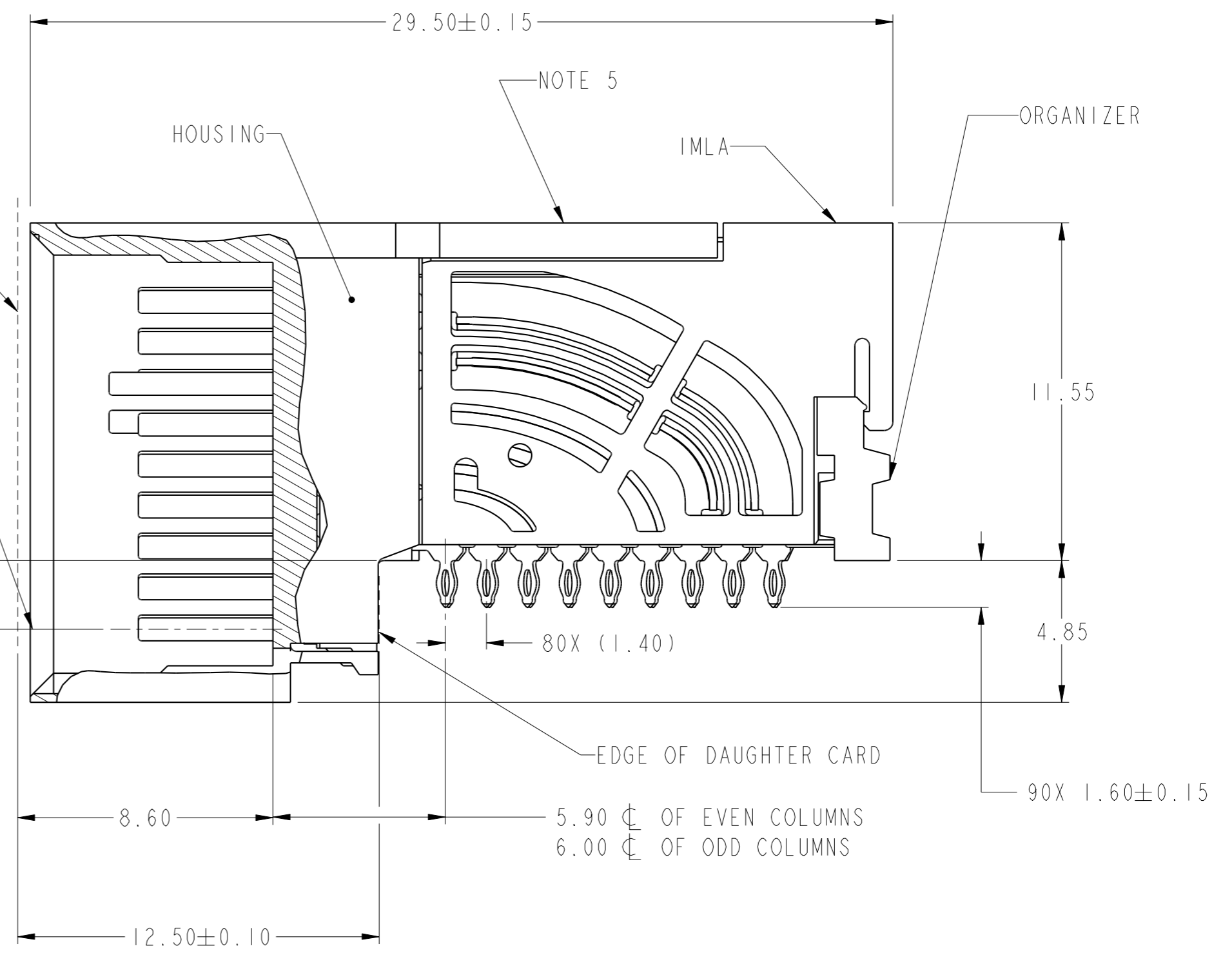
PRODUCT NUMBER
SEE SHEET 3



TOP SURFACE OF MOTHER BOARD

TOP SURFACE OF DAUGHTER CARD

2.35 ϕ OF EVEN COLUMNS
2.25 ϕ OF ODD COLUMNS



SECTION AA-AA

Amphenol FCI

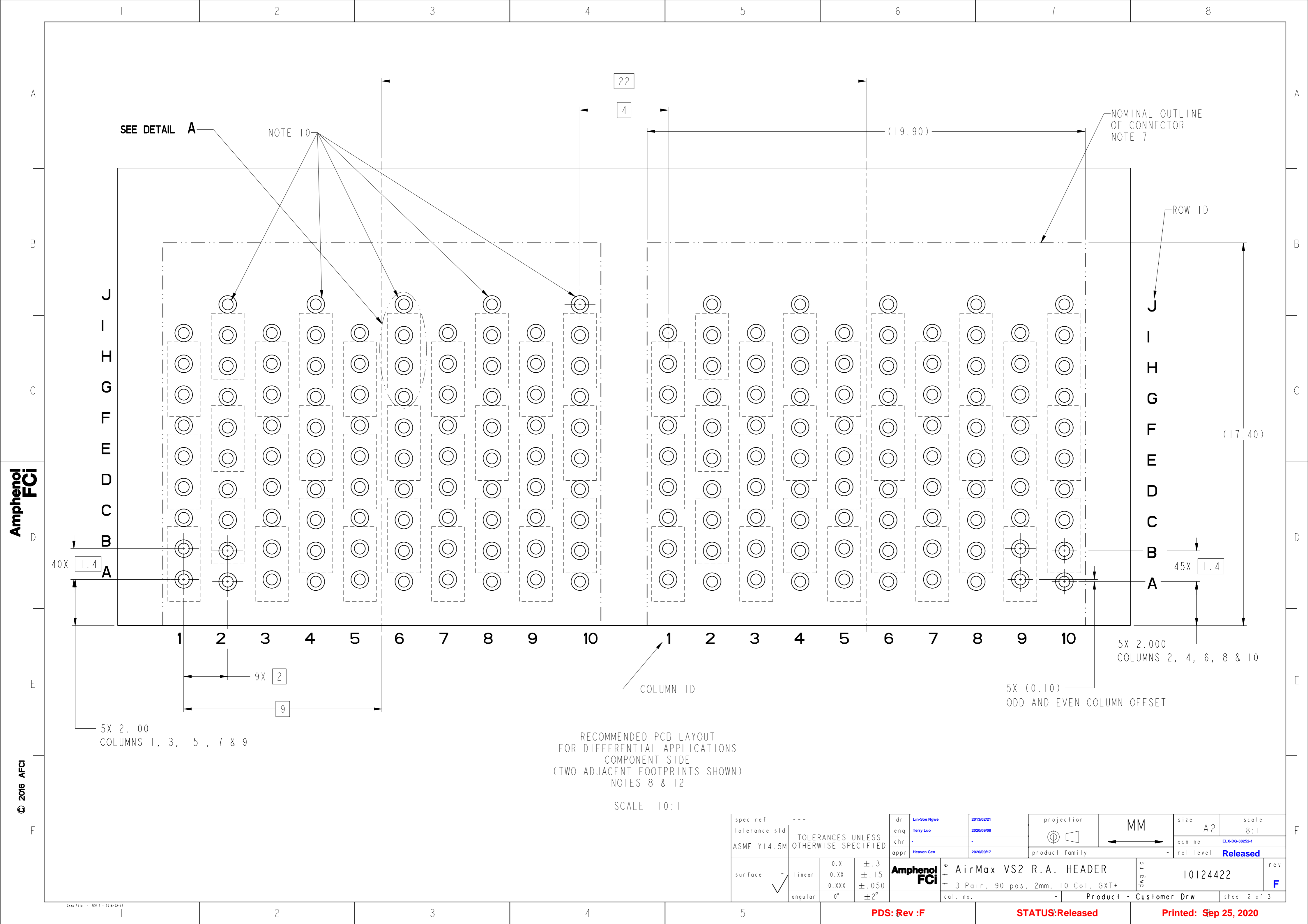
© 2016 AFCI

spec ref	---	dr	Lin-Soo Ngwe	2013/02/21	projection	MM	size	A2	scale	6:1											
tolerance std	ASME Y14.5M	eng	Terry Luo	2020/09/08			ecn no	ELX-DG-38252-1													
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Heaven Cen	2020/09/17	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°			title AirMax VS2 R.A. HEADER 3 Pair, 90 pos, 2mm, 10 Col, GXT+		cat. no. -	rel level Released	rev F	sheet 1 of 3
linear	0.X	±.3																			
	0.XX	±.15																			
	0.XXX	±.050																			
angular	0°	±2°																			

PDS: Rev :F

STATUS:Released

Printed: Sep 25, 2020



Amphenol
FCi

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

SCALE 10:1

spec ref	---	dr	Lin-Soo Ngwe	2013/02/21	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Terry Luo	2020/09/08			ecn no	ELX-DG-38252-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Heaven Cen	2020/09/17	product family	-
surface	✓	linear	0.X	±.3			title AirMax VS2 R.A. HEADER 3 Pair, 90 pos, 2mm, 10 Col, GXT+		dwg no 10124422	rev F
		angular	0°	±2°	cat. no. -		Product - Customer Drw		sheet 2 of 3	

PDS: Rev :F

STATUS:Released

Printed: Sep 25, 2020

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

45X 1.4

40X 1.4

(17.40)

(19.90)

4

22

NOTE 10

SEE DETAIL A

NOMINAL OUTLINE OF CONNECTOR
NOTE 7

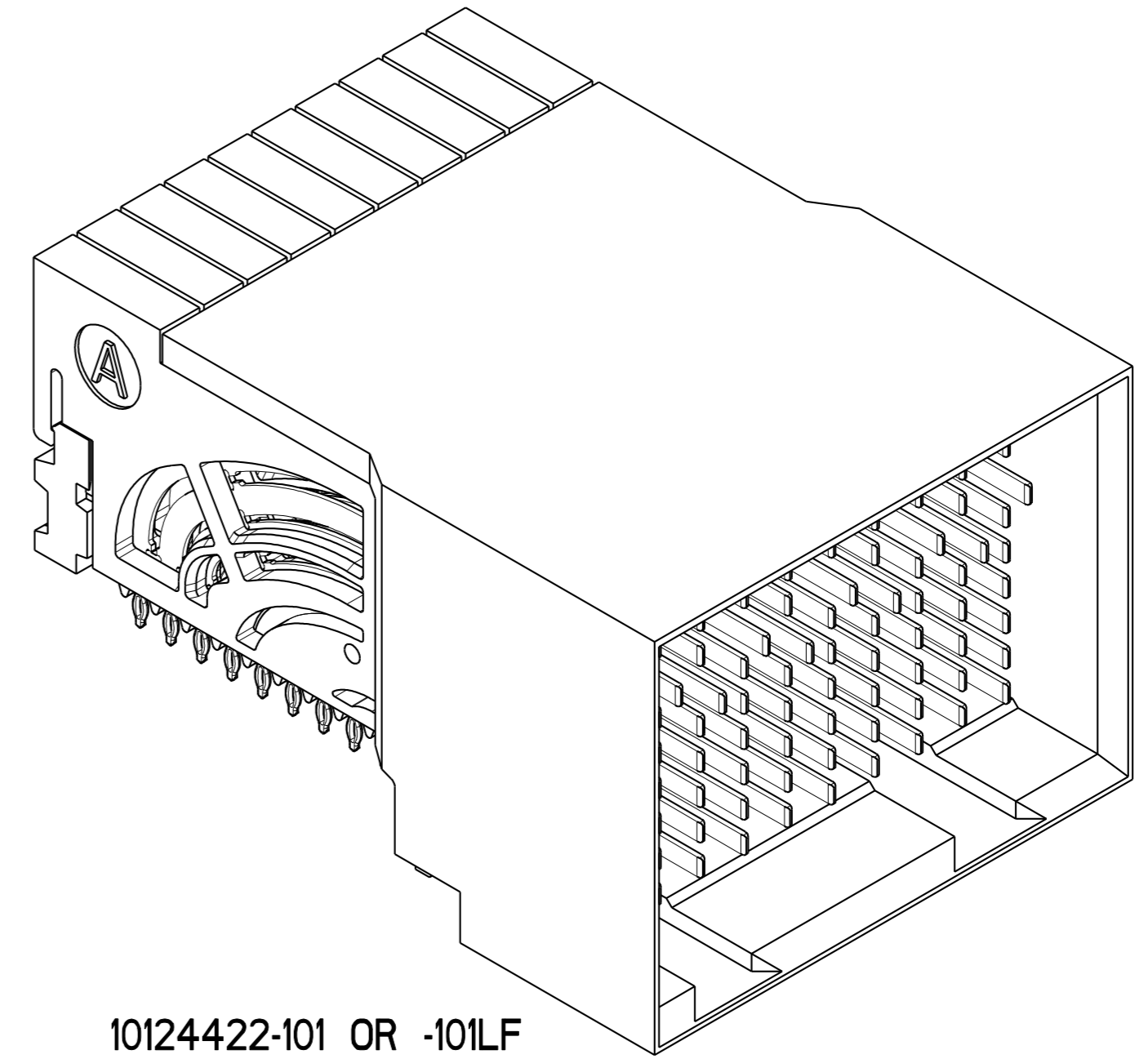
ROW ID

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	REMARK
10124422-101	TIN/LEAD ALLOY OVER NICKEL	1- SIDE PLATING (CUSTOMER SPECIAL)
10124422-101LF	TIN OVER NICKEL (LEAD FREE)	
10124422-102	TIN/LEAD ALLOY OVER NICKEL	2- SIDE PLATING
10124422-102LF	TIN OVER NICKEL (LEAD FREE)	

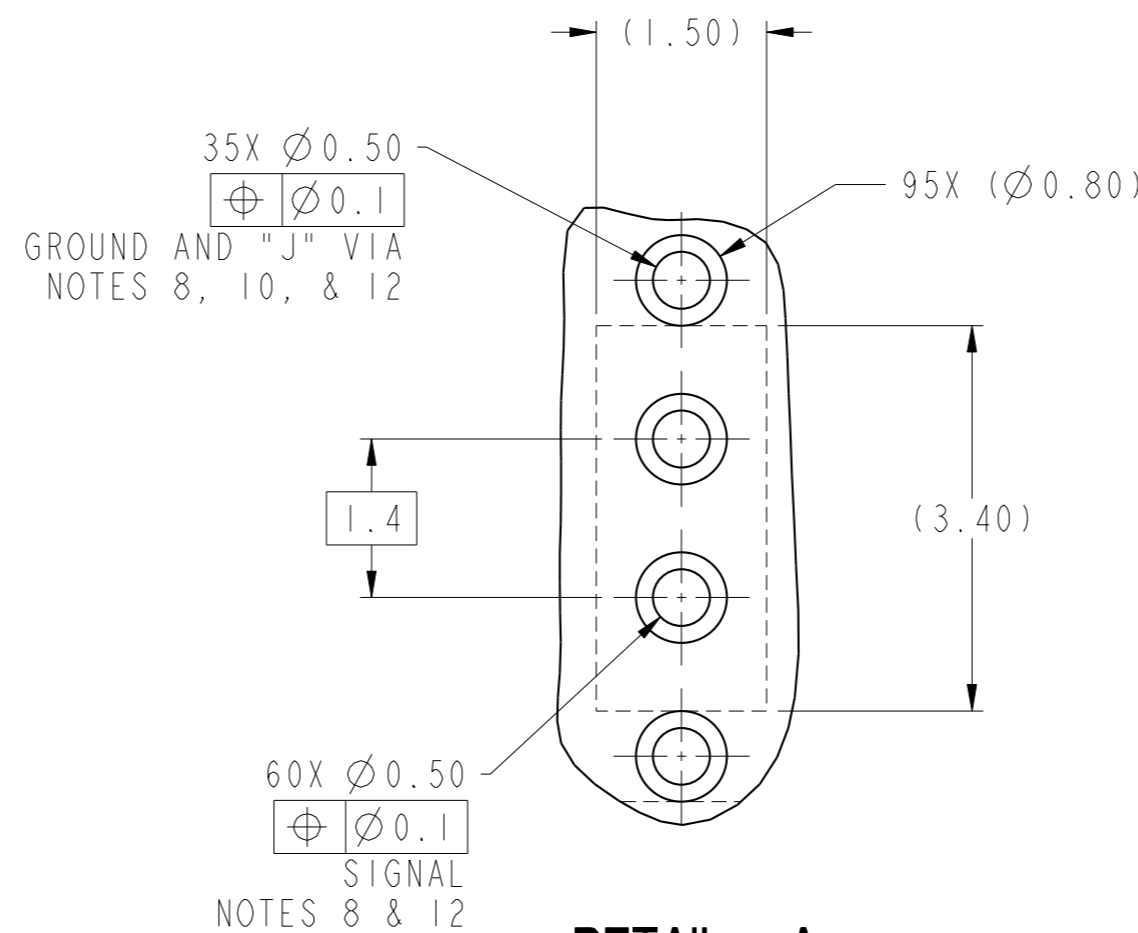
- ① - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS 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 PINS ARE PRESSED INTO THESE HOLES WE RECOMMEND (Ø0.500) 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 (Ø0.50) FINISHED HOLES
- 13 - A \triangle SYMBOL WILL BE NEXT TO ANY DIMENSIONS, VIEW OR NOTE, WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



10124422-101 OR -101LF



DETAIL A
SCALE 15:1

spec ref	---	dr	Lin-Soo Ngwe	2013/02/21	projection	MM	size	A2	scale	5:1		
tolerance std	ASME Y14.5M	eng	Terry Luo	2020/09/08			ecn no	ELX-DG-38252-1	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	app'r			Heaven Cen	2020/09/17		product family	AirMax VSE	
surface	linear	0.X	±.3		title		AirMax VS2 R.A. HEADER		dwg no 10124422	rev F		
		0.XX	±.15		3 Pair, 90 pos, 2mm, 10 Col, GXT+		cat. no.				Product - Customer Drw	sheet 3 of 3
	angular	0°	±2°									