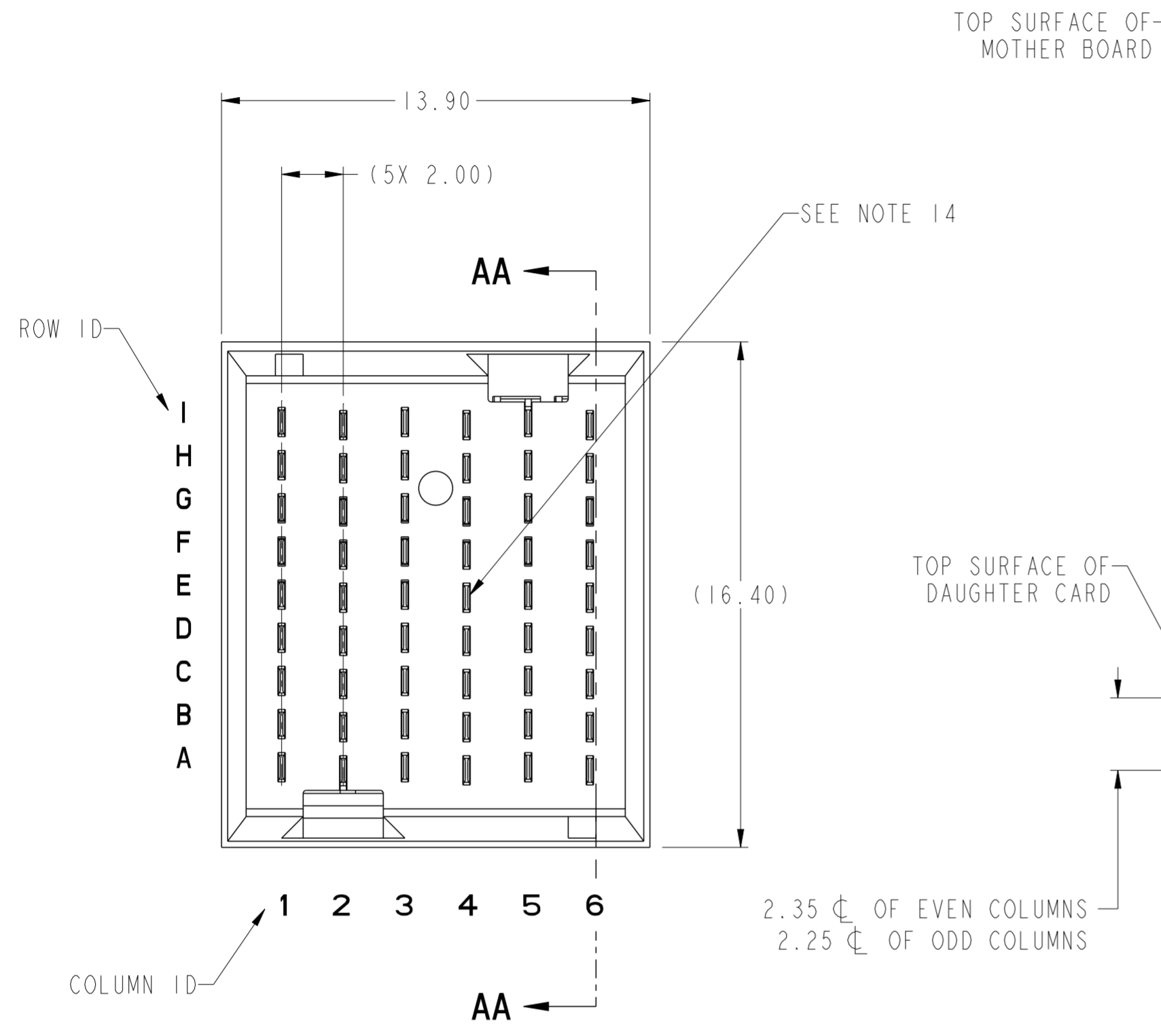
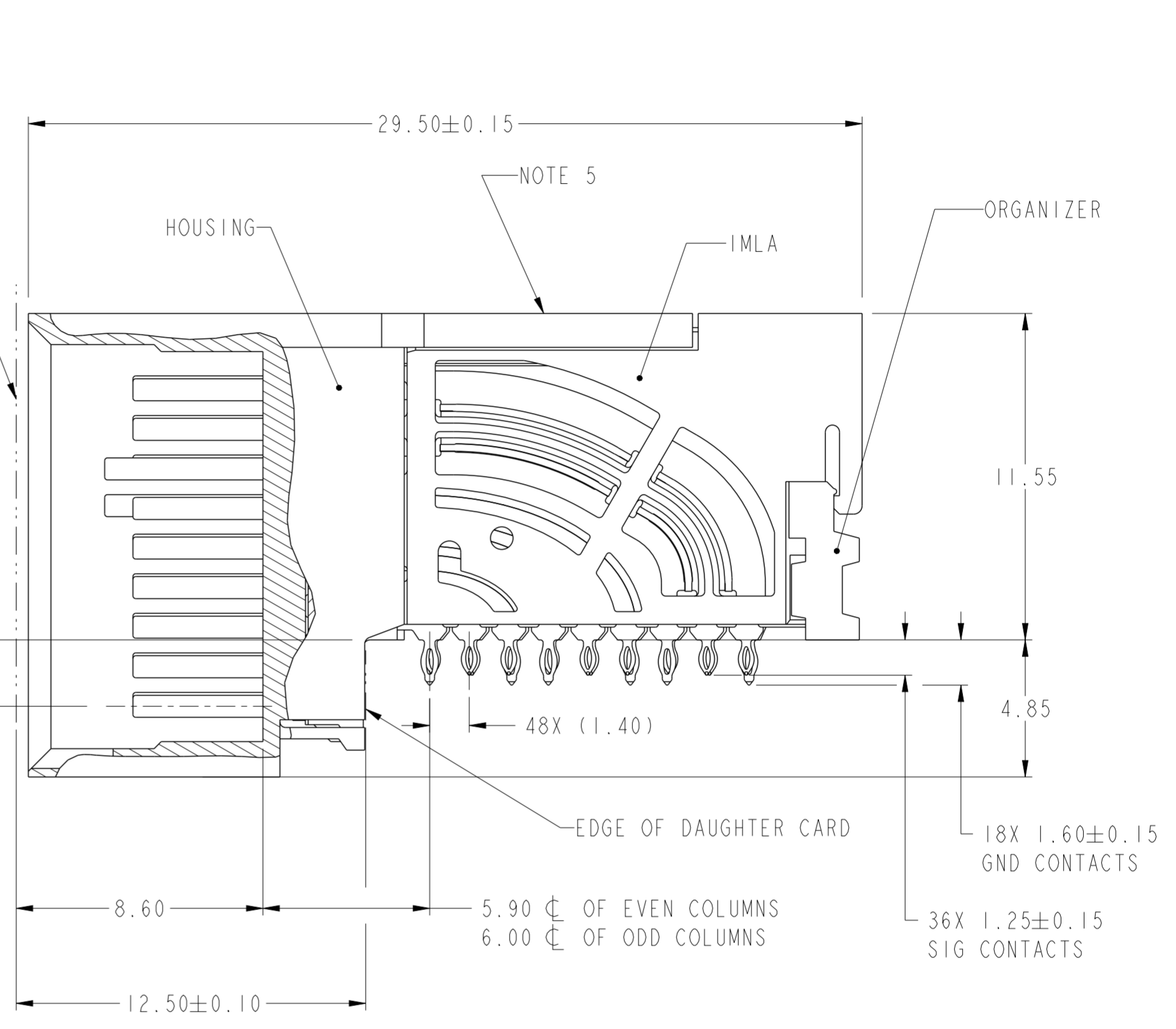


PRODUCT NUMBER  
SEE SHEET 3



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



SECTION AA-AA

Amphenol  
FCi

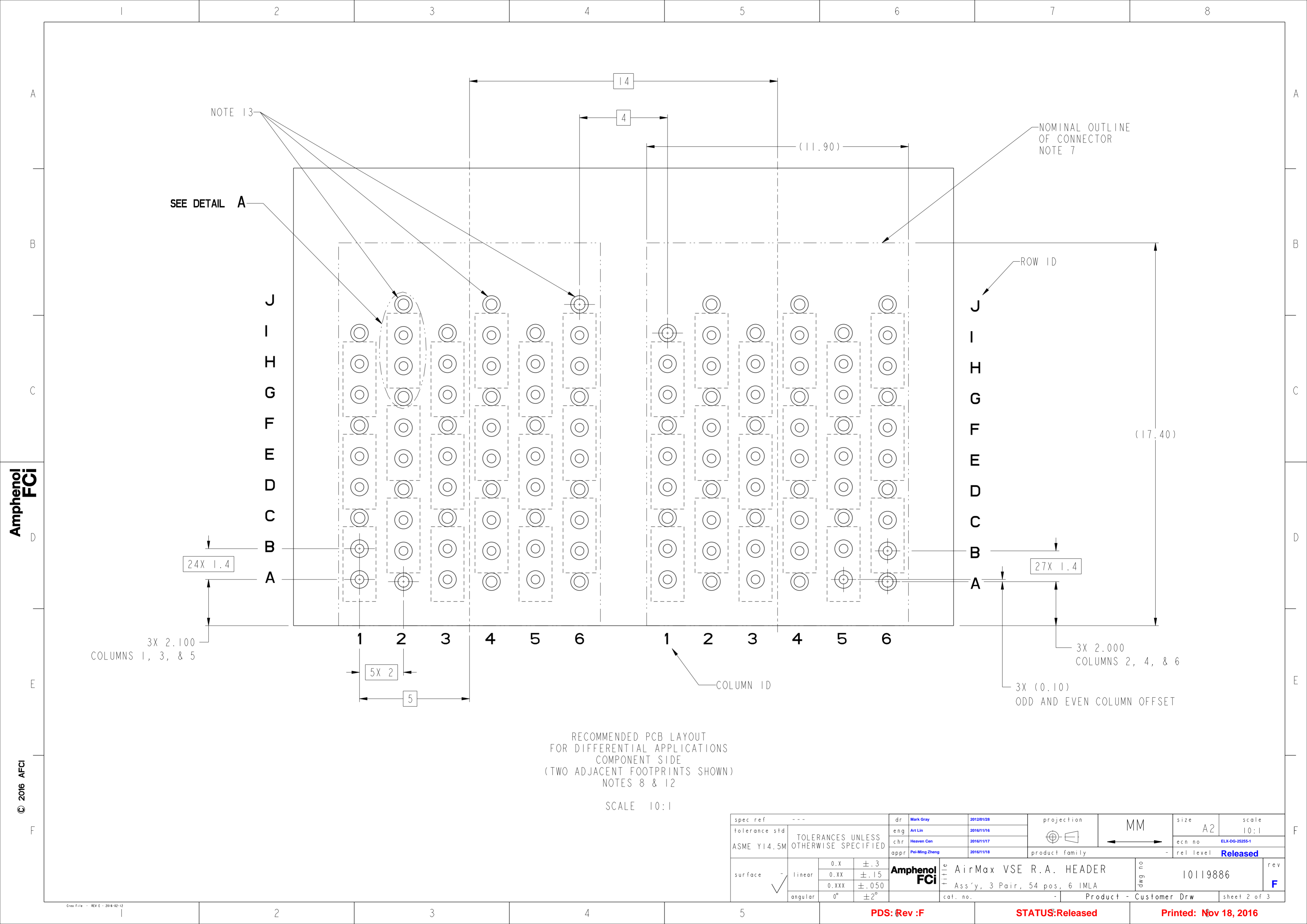
© 2016 AFci

spec ref	---	dr	Mark Gray	2012/01/28	projection	MM	size	A2	scale	10:1									
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															
		appr	Pai-Ming Zheng	2016/11/18															
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°			<b>title</b> AirMax VSE R.A. HEADER Ass'y, 3 Pair, 54 pos, 6 IMLA		<b>dwg no</b> 10119886	<b>rev</b> F
linear	0.X	±.3																	
	0.XX	±.15																	
	0.XXX	±.050																	
angular	0°	±2°																	
		cat. no.		Product - Customer Drw		sheet 1 of 3													

PDS: Rev :F

STATUS:Released

Printed: Nov 18, 2016



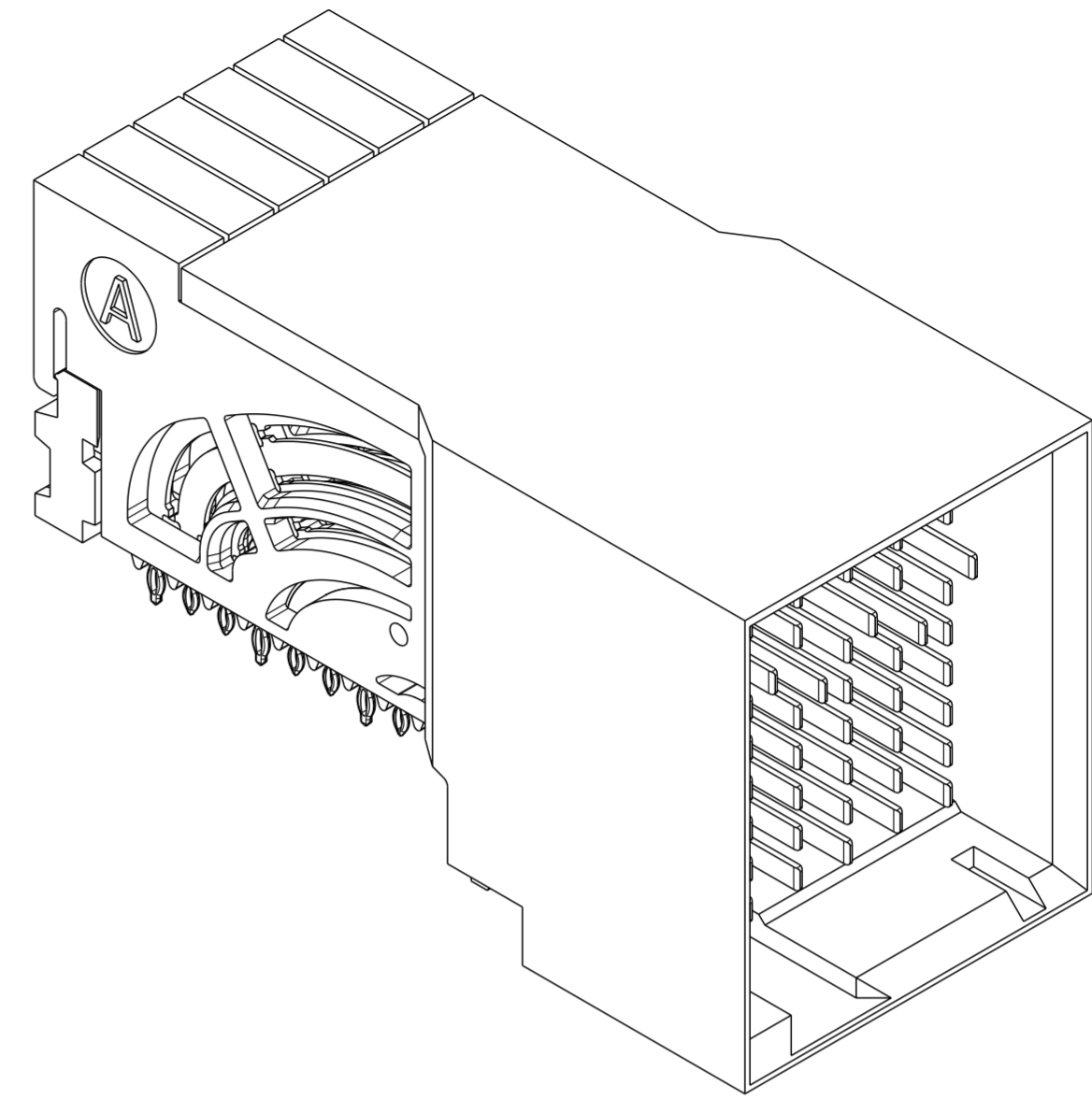
RECOMMENDED PCB LAYOUT  
 FOR DIFFERENTIAL APPLICATIONS  
 COMPONENT SIDE  
 (TWO ADJACENT FOOTPRINTS SHOWN)  
 NOTES 8 & 12

SCALE 10:1

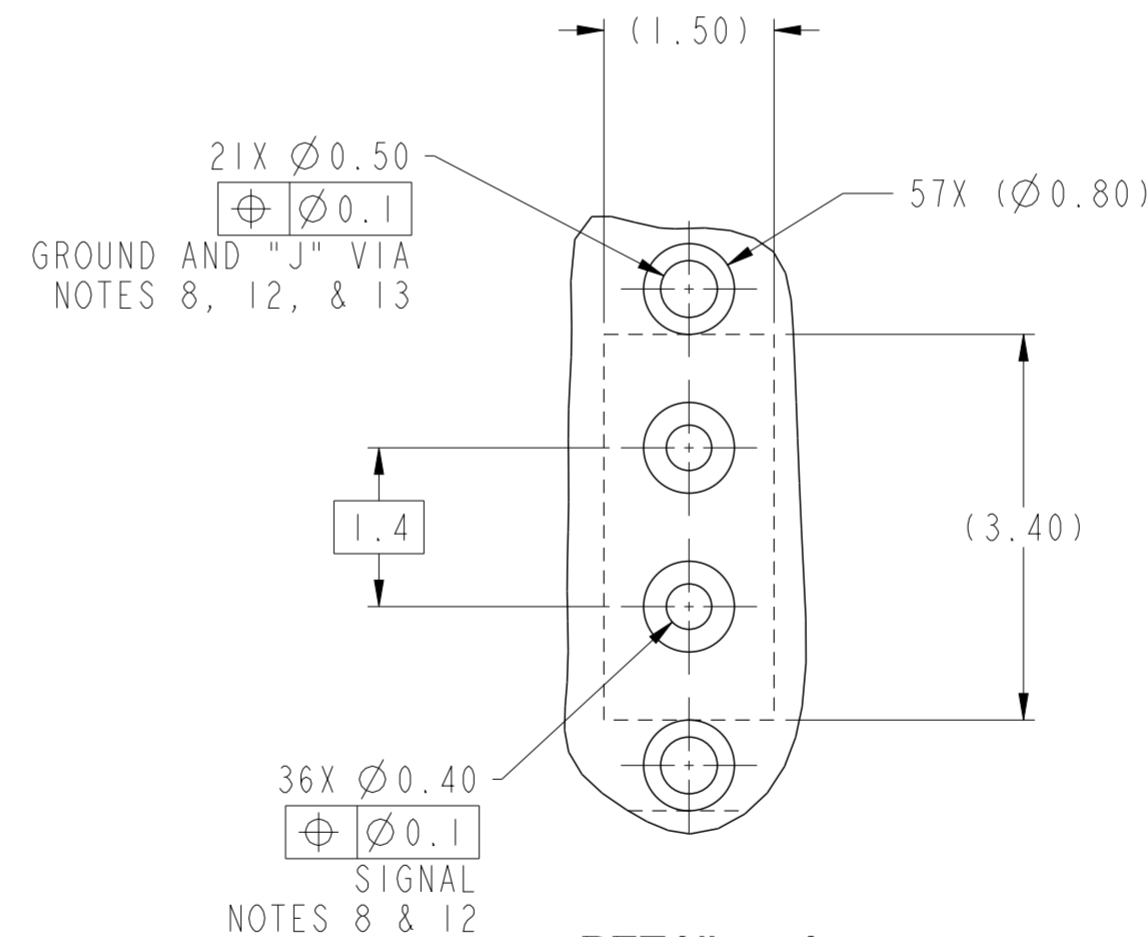
spec ref	---	dr	Mark Gray	2012/01/28	projection	MM	size	A2	scale	10:1									
tolerance std	ASME Y14.5M	eng	Art Lin	2016/11/16			ecn no	ELX-DG-25255-1											
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2016/11/17				rel level	Released										
		appr	Pai-Ming Zheng	2016/11/18															
surface	<table border="1"> <tr> <td rowspan="3">linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td>0.XX</td> <td>±.15</td> </tr> <tr> <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°			<b>Amphenol FCI</b> title AirMax VSE R.A. HEADER Ass'y, 3 Pair, 54 pos, 6 IMLA		product family -	cat. no. -	Product - Customer Drw	sheet 2 of 3
linear	0.X		±.3																
	0.XX		±.15																
	0.XXX	±.050																	
angular	0°	±2°																	

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECTION CONTACT
10119886-101LF	TIN OVER NICKEL (LEAD FREE)	NO
10119886-111LF	TIN OVER NICKEL (LEAD FREE)	YES (SEE NOTE 14)

- 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 - A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- 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 ( $\varnothing 0.50$ ) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE ( $\varnothing 0.40$ ) FINISHED HOLES
- 13 - THESE OUTER VIAS (J) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECOMMEND ( $\varnothing 0.500$ ) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.
- 14 - MATING PIN E4 HAS 0.5mm LESS NOMINAL WIPE THAN THE SHORTEST PIN



10119886-101LF



DETAIL A  
SCALE 15:1

spec ref	---	dr	Mark Gray	2012/01/28	projection	MM	size	A2	scale	10:1
tolerance std	ASME Y14.5M	eng	Art Lin	2016/11/16			ecn no	ELX-DG-2525-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2016/11/17						
		appr	Pai-Ming Zheng	2016/11/18						
surface	linear	0.X	$\pm .3$		product family		title AirMax VSE R.A. HEADER Ass'y, 3 Pair, 54 pos, 6 IMLA	dwg no 10119886	rev F	
		0.XX	$\pm .15$		-					
		0.XXX	$\pm .050$		-					
	angular	0°	$\pm 2^\circ$	-		cat. no.		Product - Customer Drw		sheet 3 of 3