

1 0 | 3 5 3 | 4 - | 1 0 X L F

LEAD-FREE DESIGNATION  
ONLY WITH APPLICABLE  
PLATING CODES

SEE NOTE 2

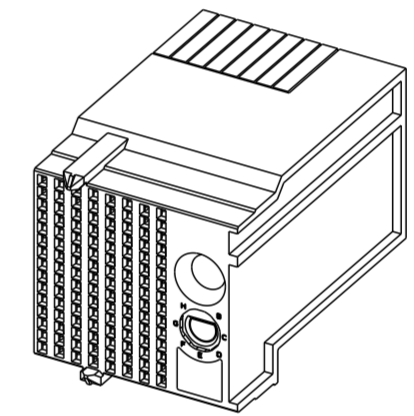
MODULE  
DESCRIPTION

LETTER DESIGNATION REPRESENTED IN DASH NUMBER

BASE  
MODULE

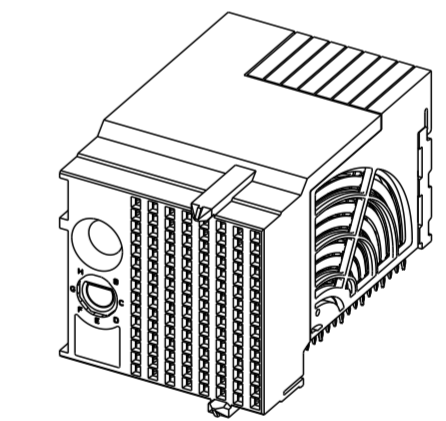
LEFT  
POLARIZING  
GUIDANCE  
MODULE  
(SEE SHEET 3)

<b>N</b>	<b>J</b> (NO KEY)	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>
NO KEY NO GUIDE PIN									



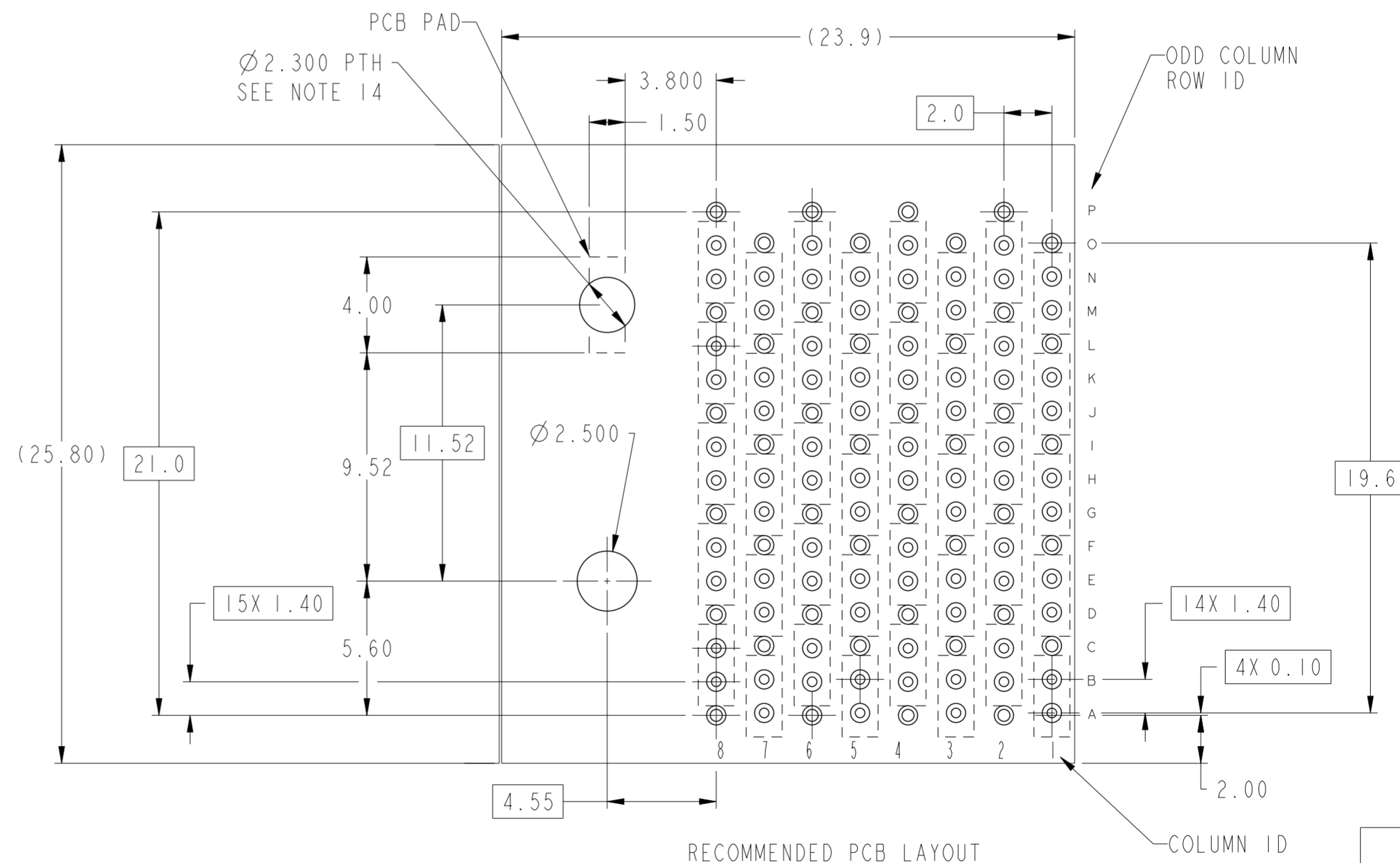
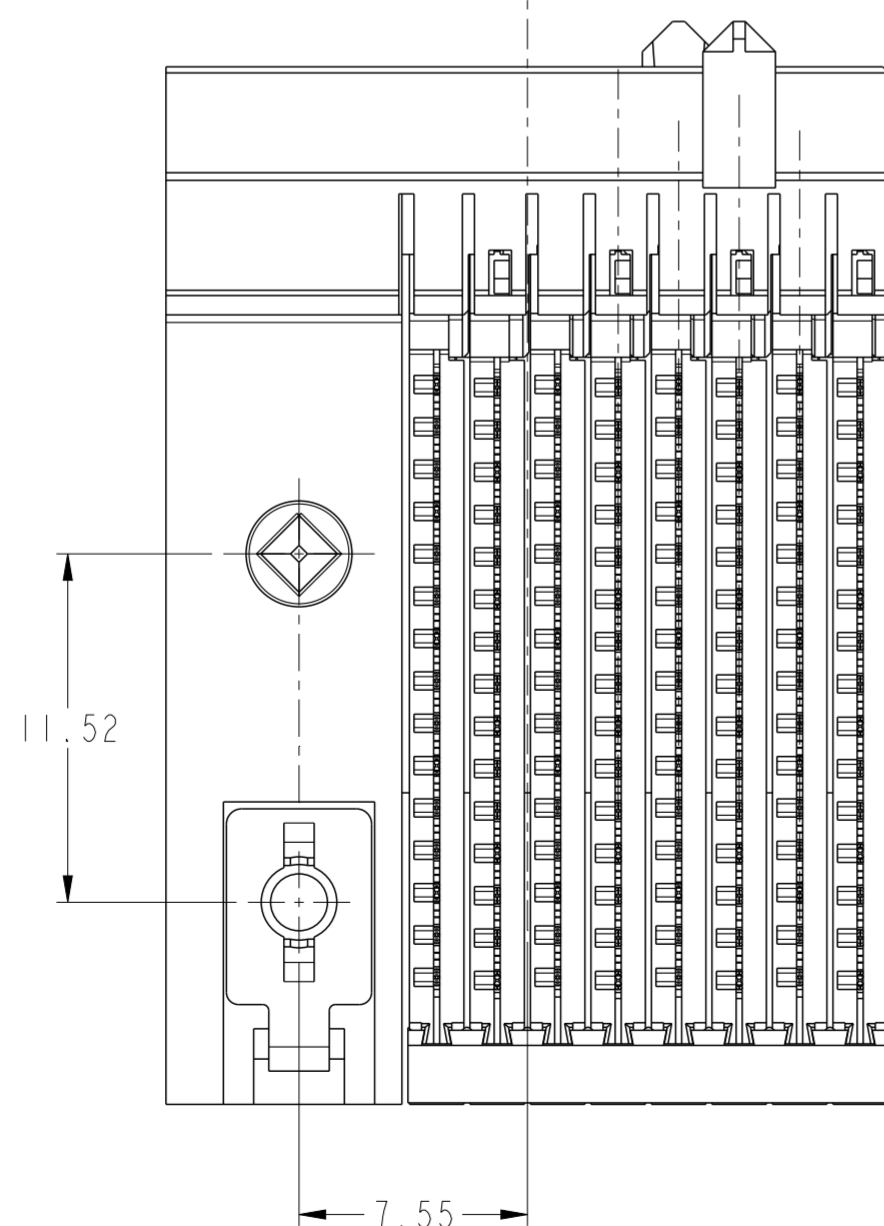
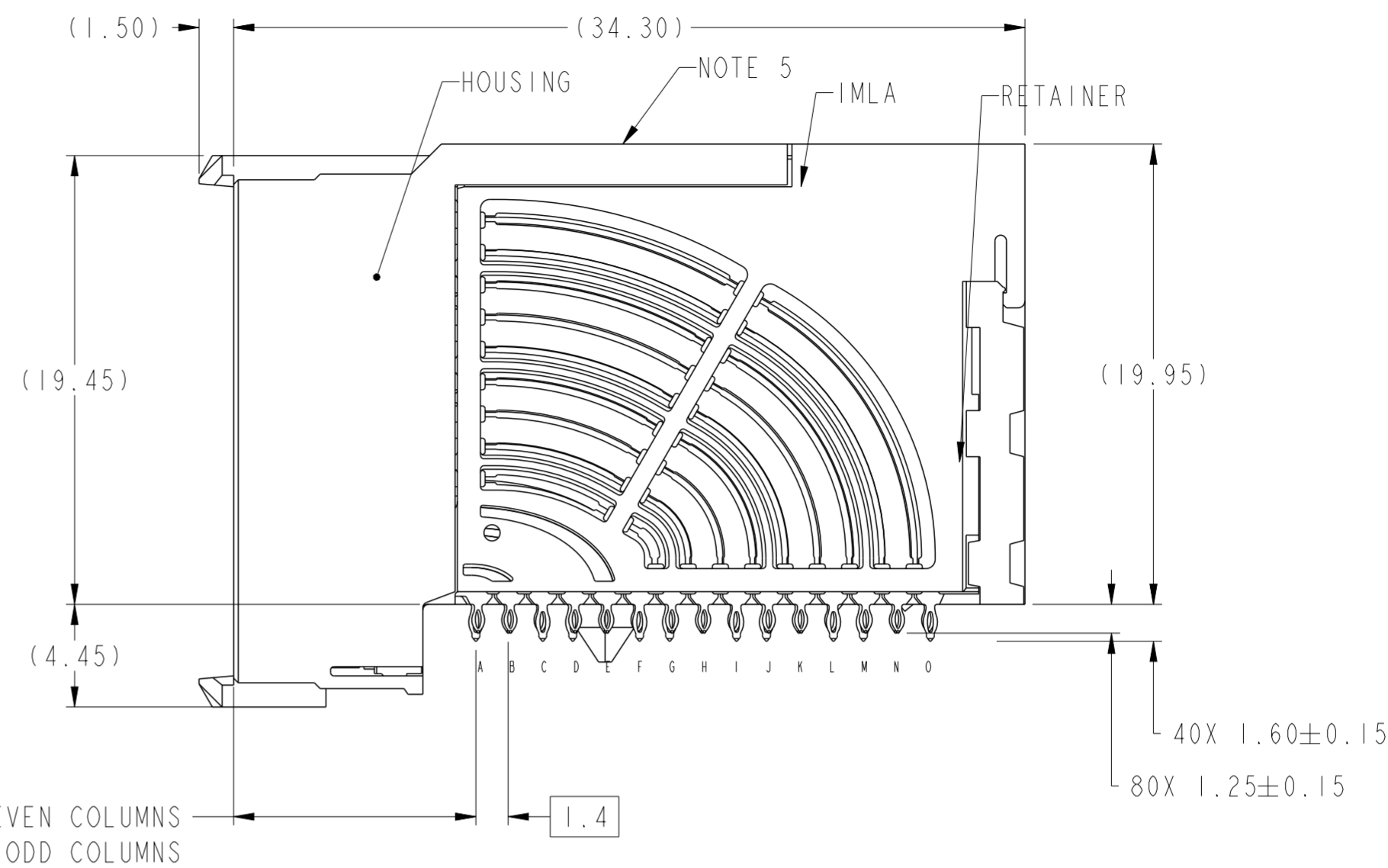
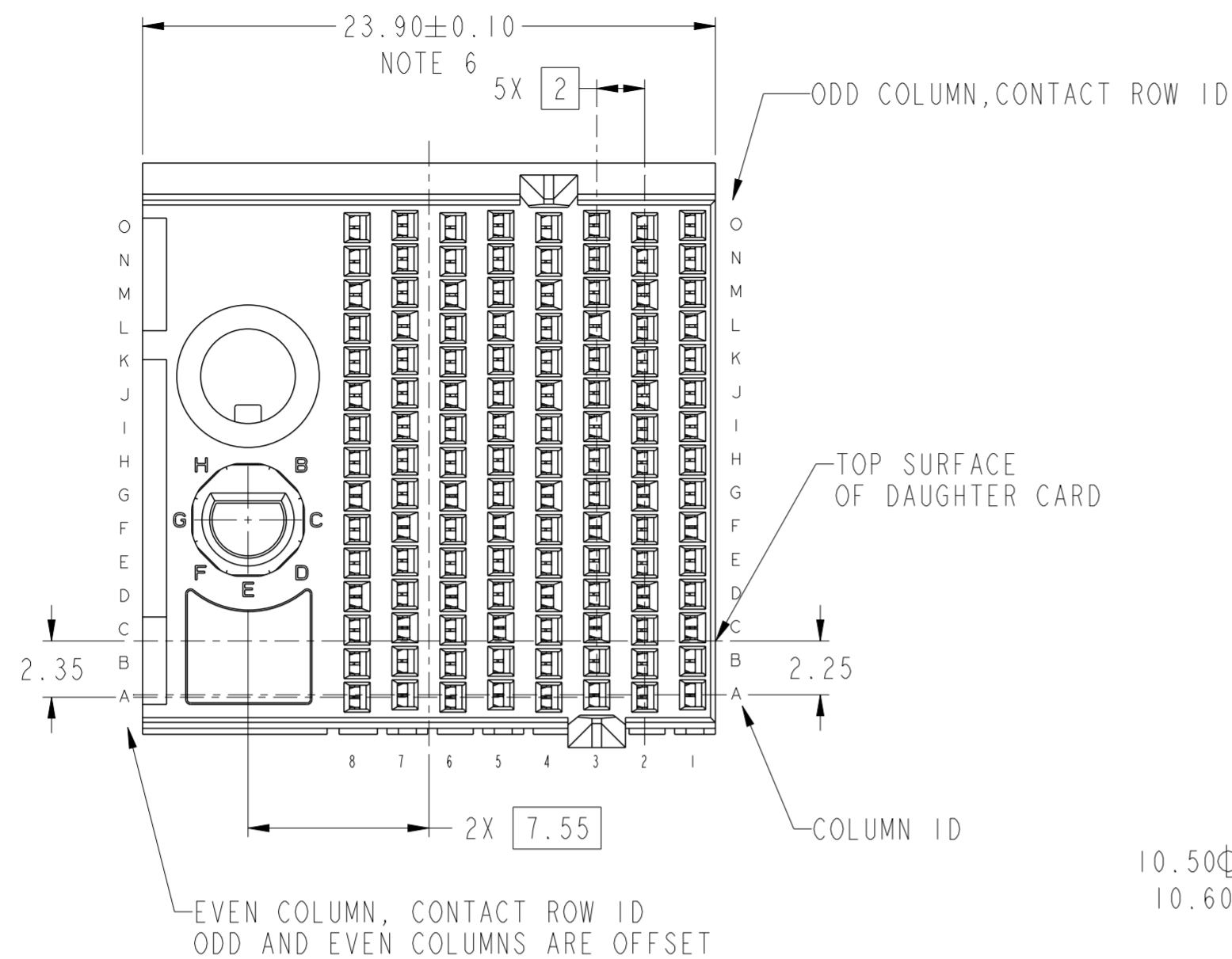
RIGHT  
POLARIZING  
GUIDANCE  
MODULE  
(SEE SHEET 2)

<b>Z</b>	<b>Y</b> (NO KEY)	<b>P</b>	<b>Q</b>	<b>R</b>	<b>S</b>	<b>T</b>	<b>U</b>	<b>V</b>	<b>W</b>
NO KEY NO GUIDE PIN									



**PRELIMINARY**

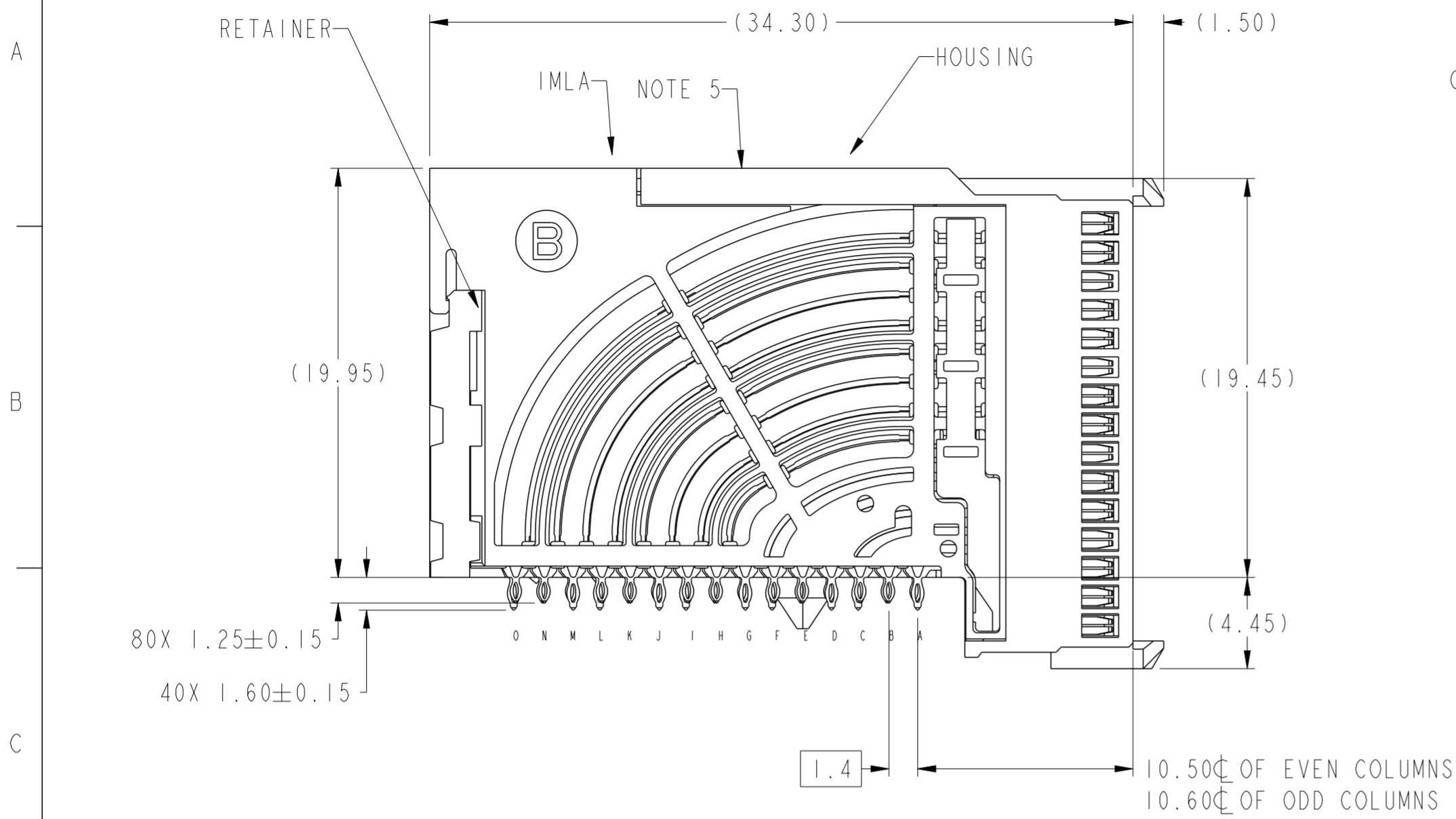
spec ref	---	dr	Jackie Chen	2015/05/25	projection	MM	size	A2	scale	8:1									
tolerance std	ASME Y14.5M	eng	Tao Zhan	2016/03/14			ecn no	-	rel level	Preliminary									
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family			AirMax VS2												
surface	<table border="1"> <tr> <td>linear</td> <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>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.15		0.XXX	±.050	angular	0°	±°	appr	-	product family	AirMax VS2	rel level	Preliminary
linear	0.X	±.3																	
	0.XX	±.15																	
	0.XXX	±.050																	
angular	0°	±°																	
		<b>Amphenol FCI</b>		<b>AIRMAX VSe R.A. RECEPTACLE</b>		dwg no 10135314	rev 1												
		cat. no.		-		Product - Customer Drw		sheet 1 of 4											



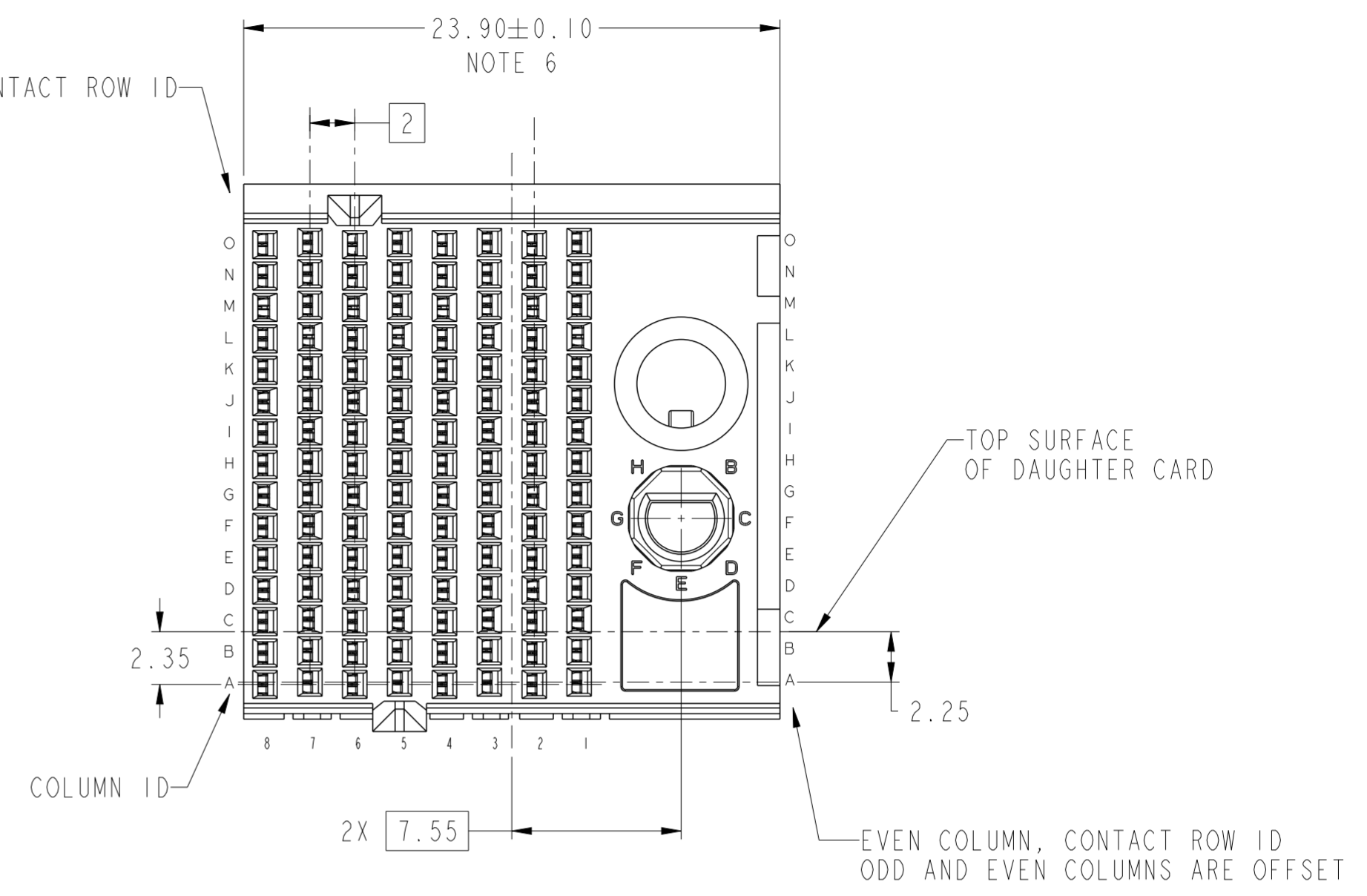
PRELIMINARY

spec ref	---	dr	Jackie Chen	2015/05/25	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5M	eng	Tao Zhan	2016/03/14			ecn no	-	rel level	Preliminary	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family							AirMax VS2
surface	-	linear	0.X	±.3	<b>Amphenol FCI</b>		title	AIRMAX VSe R.A. RECEPTACLE		dwg no 10135314	rev 1
			0.XX	±.15	ASS'Y, 5 PAIR, 120 POS, 8 IMLA, 20MM, W/GUIDE/KEY		cat. no.	-	Product - Customer Drw		
		angular	0°	±°							

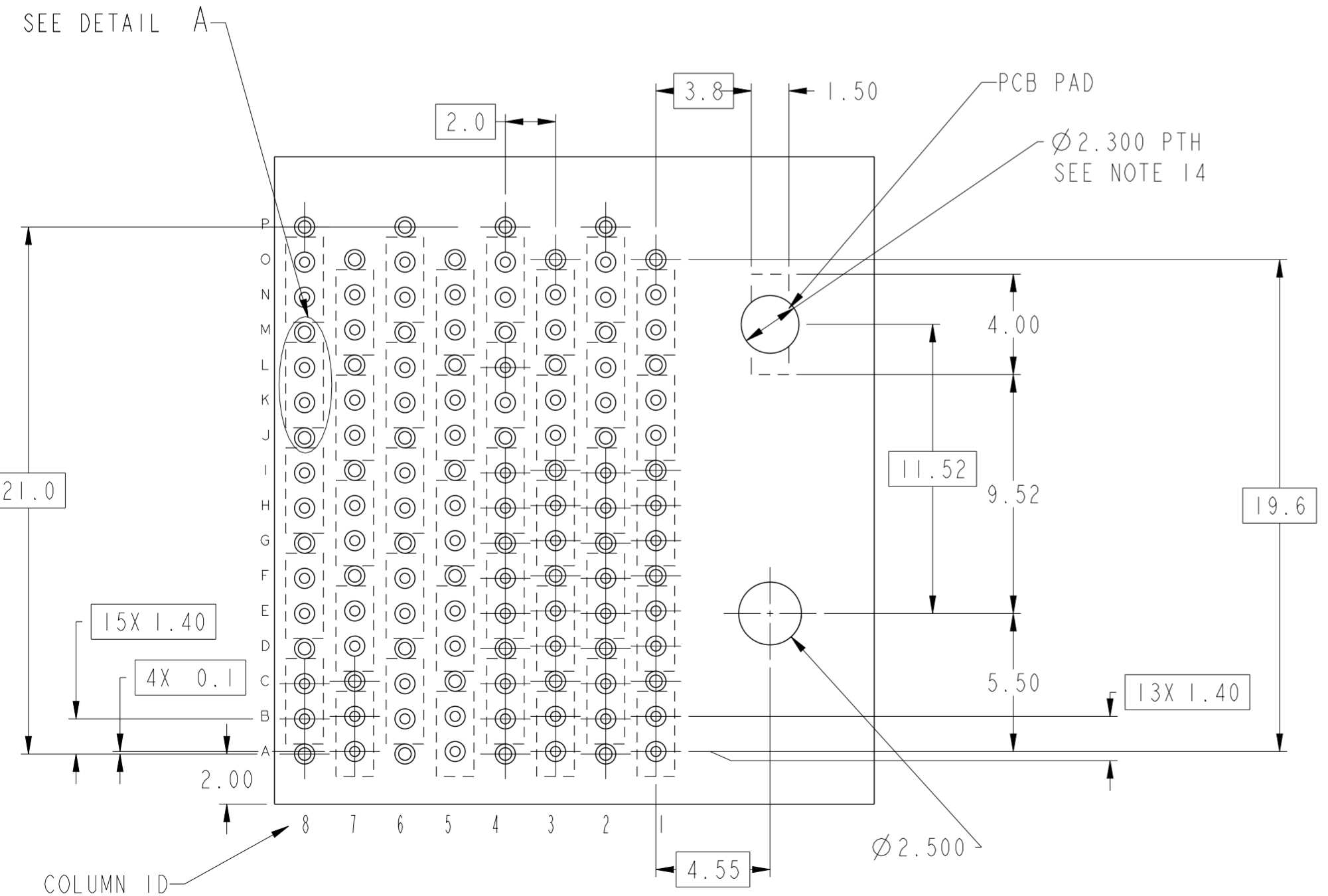
LEFT POLARIZATION WITH GUIDE



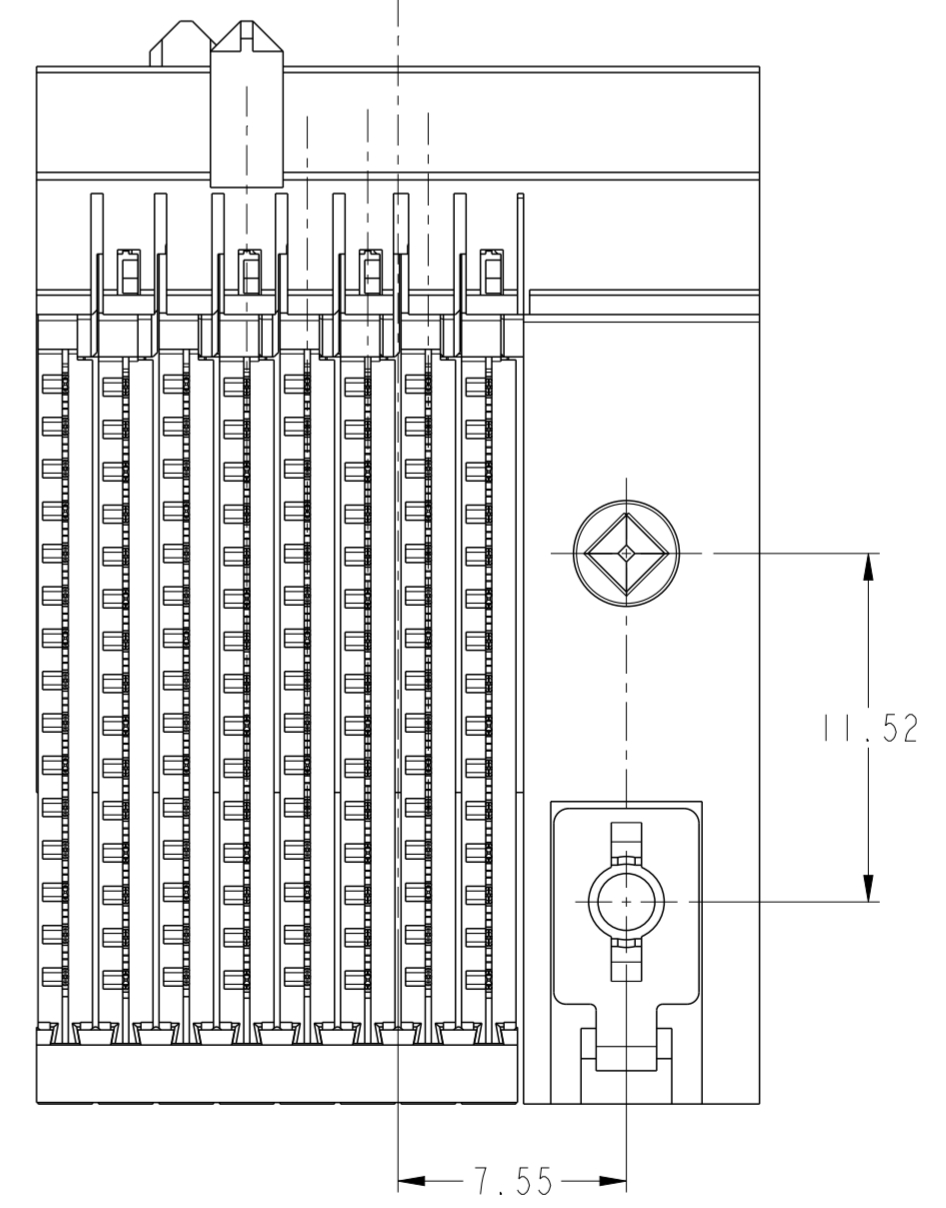
ODD COLUMN, CONTACT ROW ID



Amphenol  
FCI



RECOMMENDED PCB LAYOUT



PRELIMINARY

spec ref	---	dr	Jackie Chen	2015/05/25	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Tao Zhan	2016/03/14	chr	-	ecn no	-		
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	-	-	product family	AIRMAX VS2	rel level	Preliminary		
surface	-	linear	0.X	±.3	Amphenol FCI		title	AIRMAX VSe R.A. RECEPTACLE	div no	10135314
			0.XX	±.15	ASS'Y, 5 PAIR, 120 POS, 8 IMLA, 20MM, W/GUIDE/KEY		cat. no.	-	Product - Customer Drw	sheet 3 of 4
		angular	0°	±°						rev
										1

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PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE
10135314-10*LF	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, WHITE, 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 24.0 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

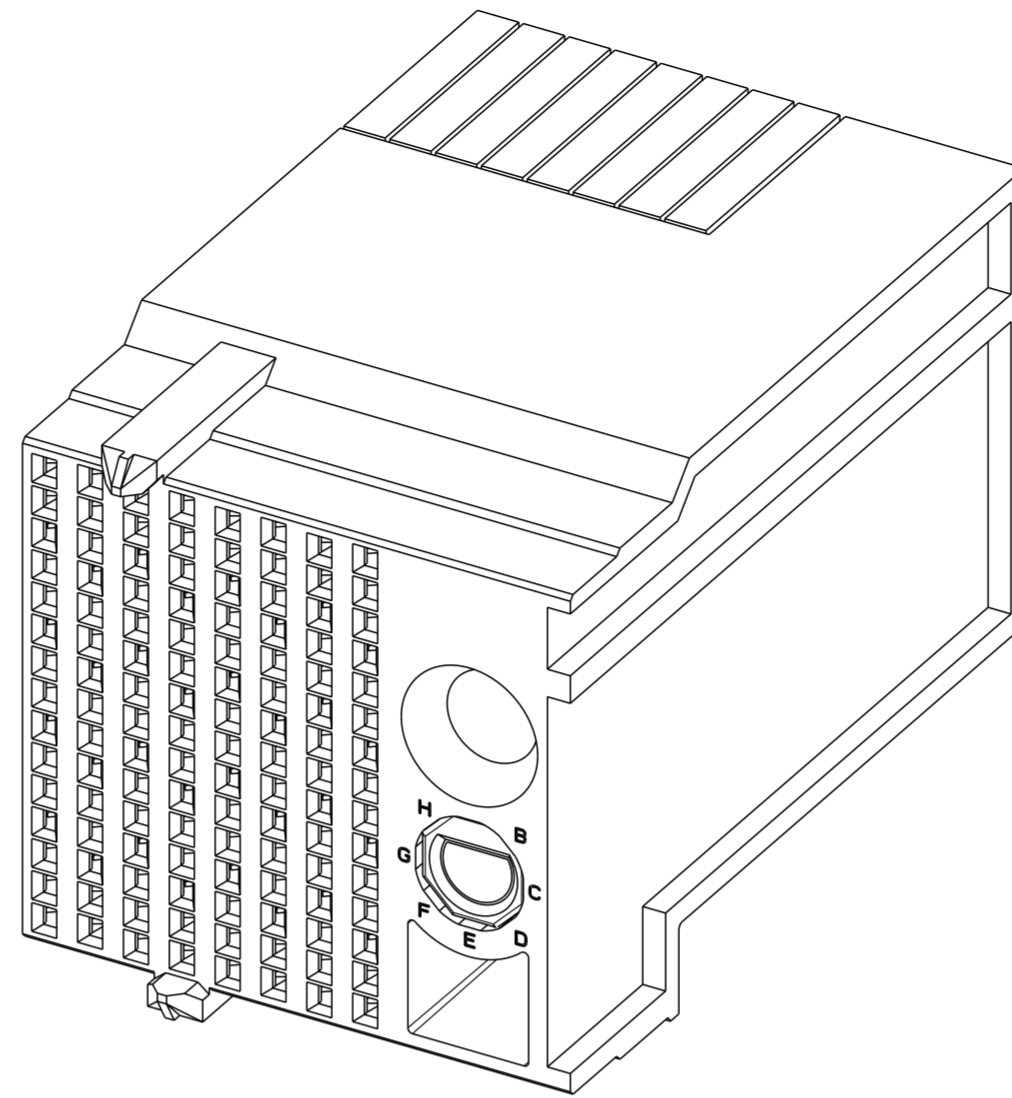
10 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.

11 - GROUND CONTACTS (C,F, AND I IN ODD COLUMNS AND A, D, AND G, EVEN COLUMNS) REQUIRE (Ø0.500) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.400) FINISHED HOLES.

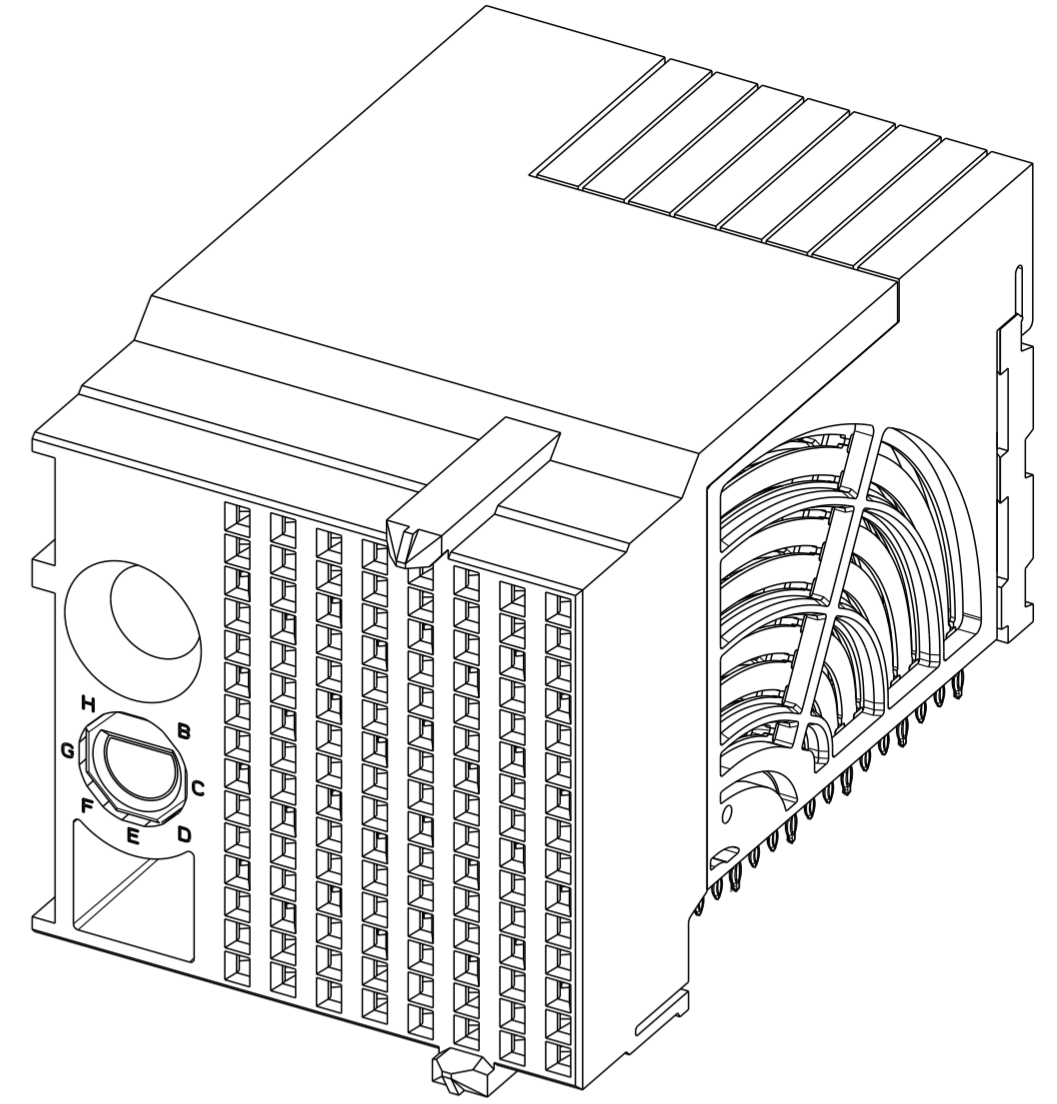
12 - THESE OUTER VIAS (M) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECCOMMEND (Ø0.500) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.

13 - A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE, WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

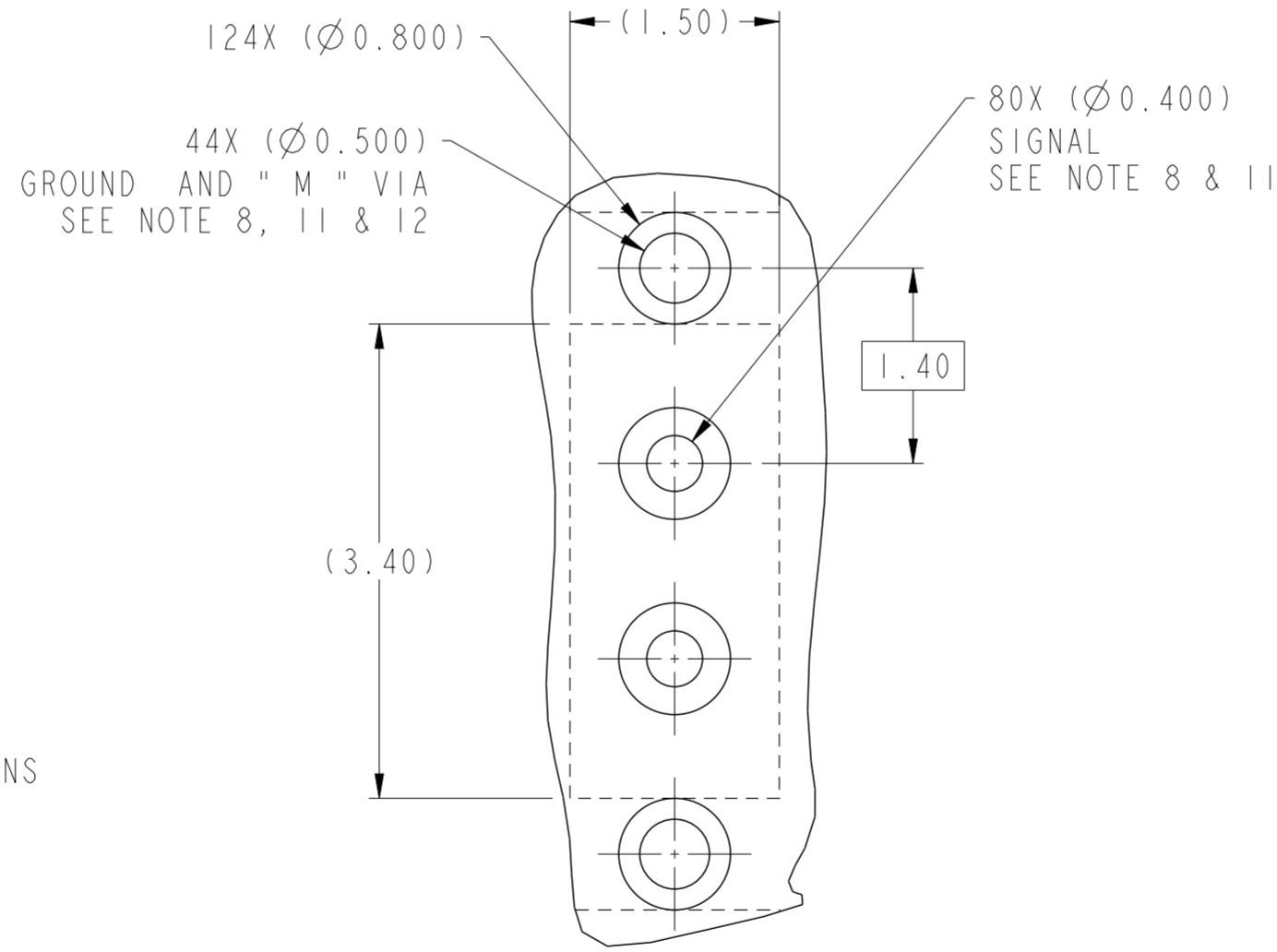
14 - CUSTOMER CAN FIX THE CONNECTOR WITH THREAD FORMING SCREW THROUGH THIS PTH. THE SCREW IS #2-32, THE VALID LENGTH OF SCREW IS 4.5MM PLUS THE THICKNESS OF PCB.



10135314-10ALF



10135314-10PLF



DETAIL A  
SCALE 20:1

**PRELIMINARY**

spec ref	---	dr	Jackie Chen	2015/05/25	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5M	eng	Tao Zhan	2016/03/14			ecn no	-	rel level	Preliminary
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family			AirMax VS2			
surface	linear	0.X	±.3		title		AIRMAX VSe R.A. RECEPTACLE		10135314	
		0.XX	±.15		ASS'Y, 5 PAIR, 120 POS, 8 IMLA, 20MM, W/GUIDE/KEY		rev		1	
	angular	0°	±°		cat. no.	-	Product - Customer Drw		sheet 4 of 4	

Amphenol FCI

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