

10135308 - 10X LF

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)

N

J
(NO KEY)

A

B

C

D

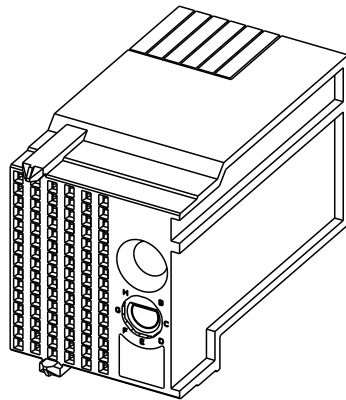
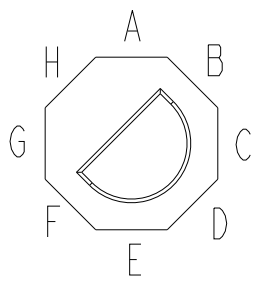
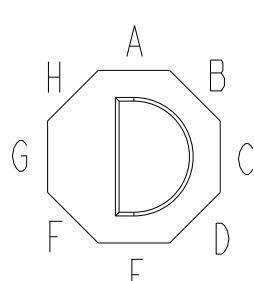
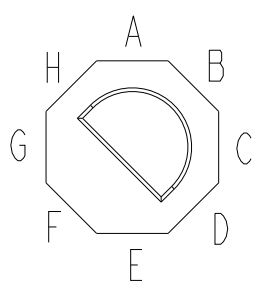
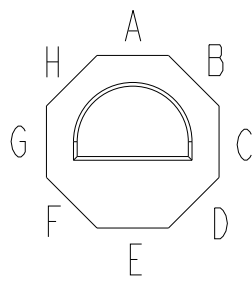
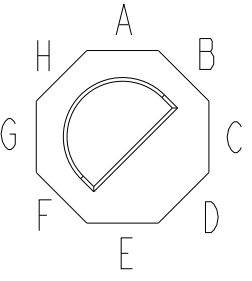
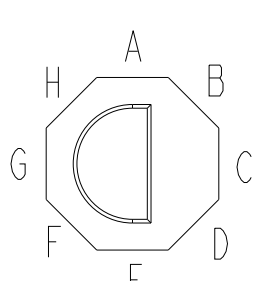
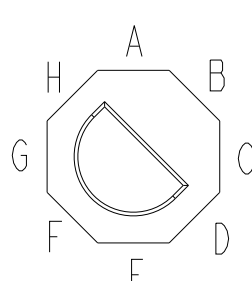
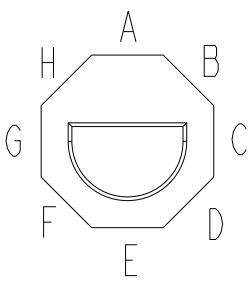
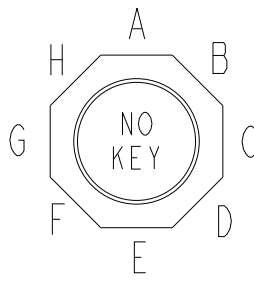
E

F

G

H

NO KEY
NO GUIDE PIN



RIGHT
POLARIZING
GUIDANCE
MODULE
(SEE SHEET 2)

Z

Y
(NO KEY)

P

Q

R

S

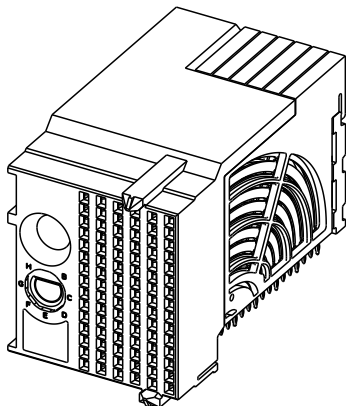
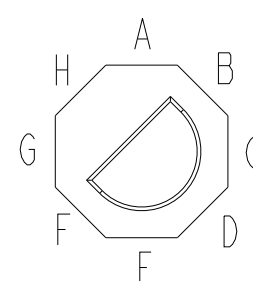
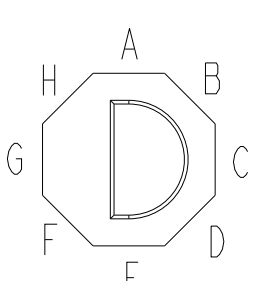
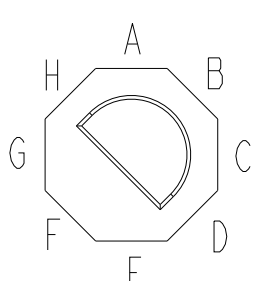
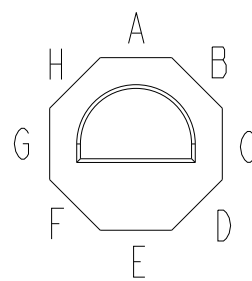
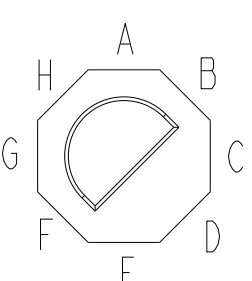
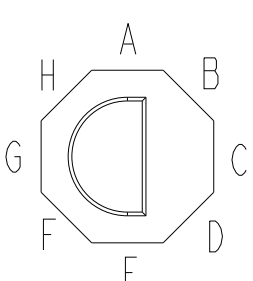
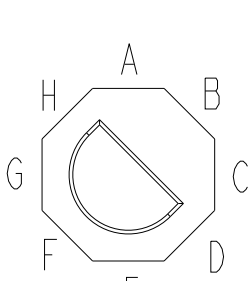
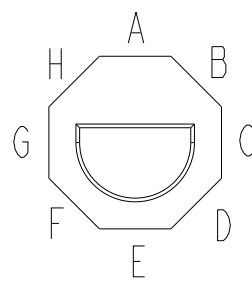
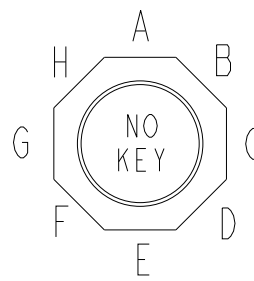
T

U

V

W

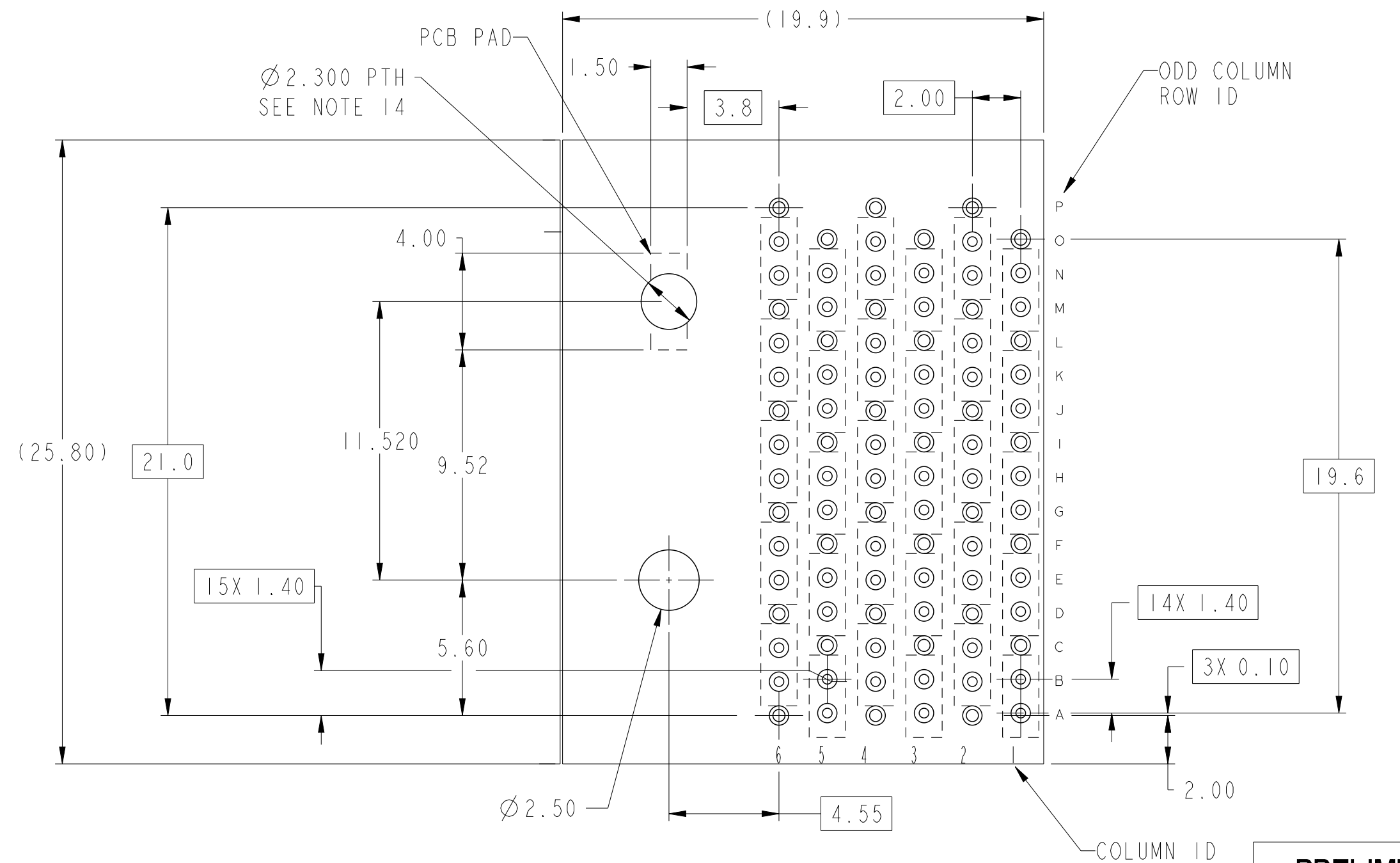
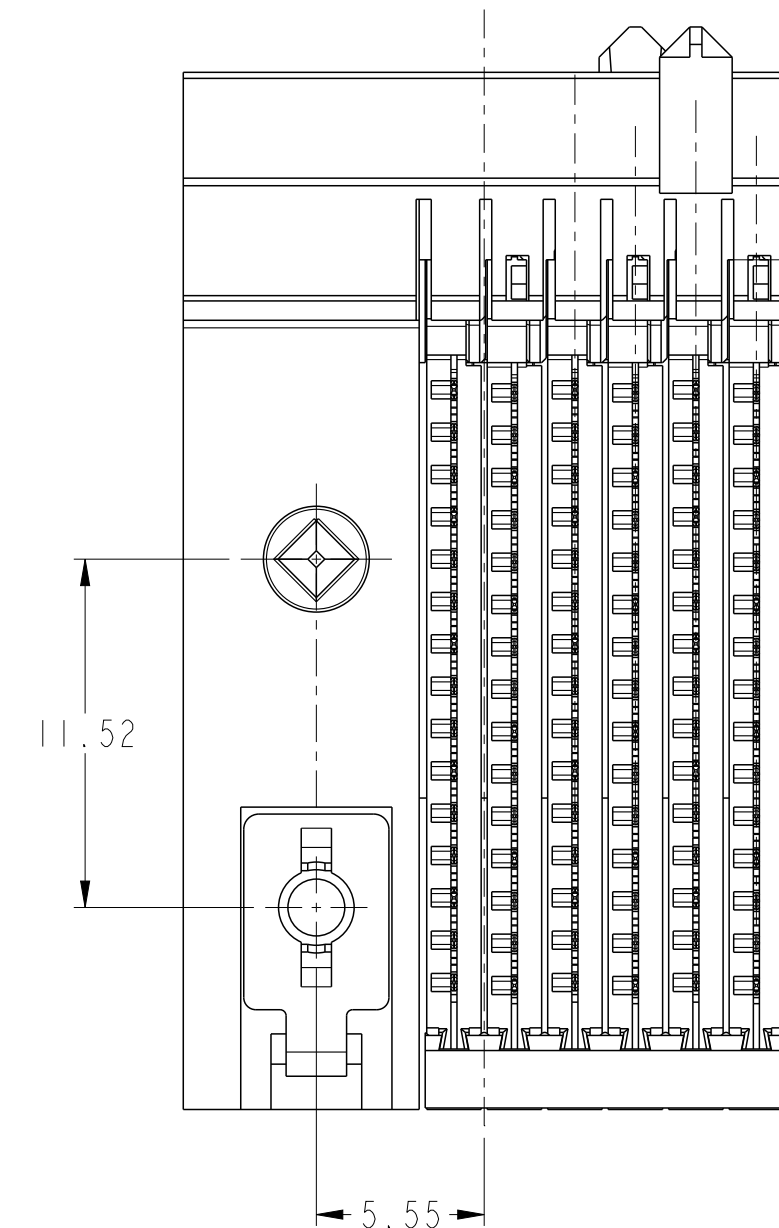
NO KEY
NO GUIDE PIN



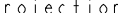
NOT TOOLED

PRELIMINARY

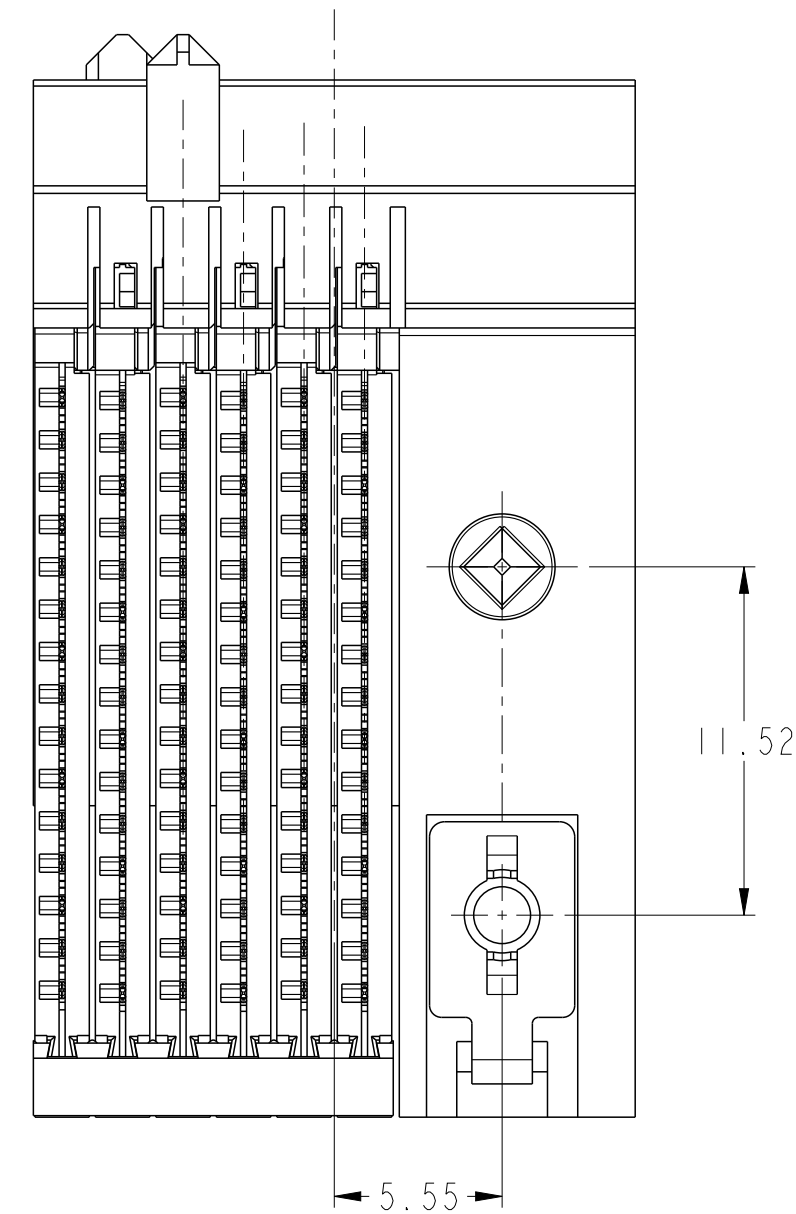
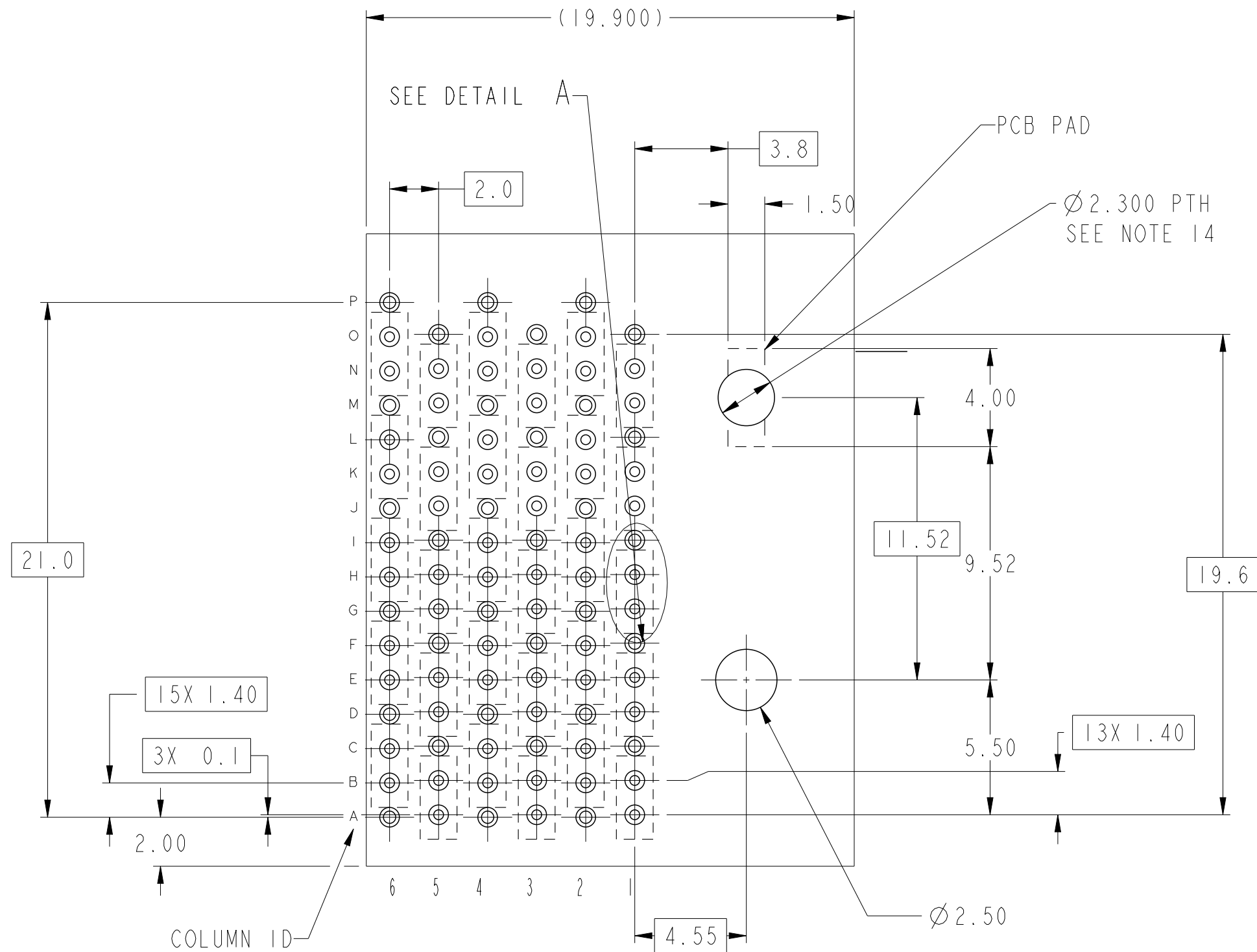
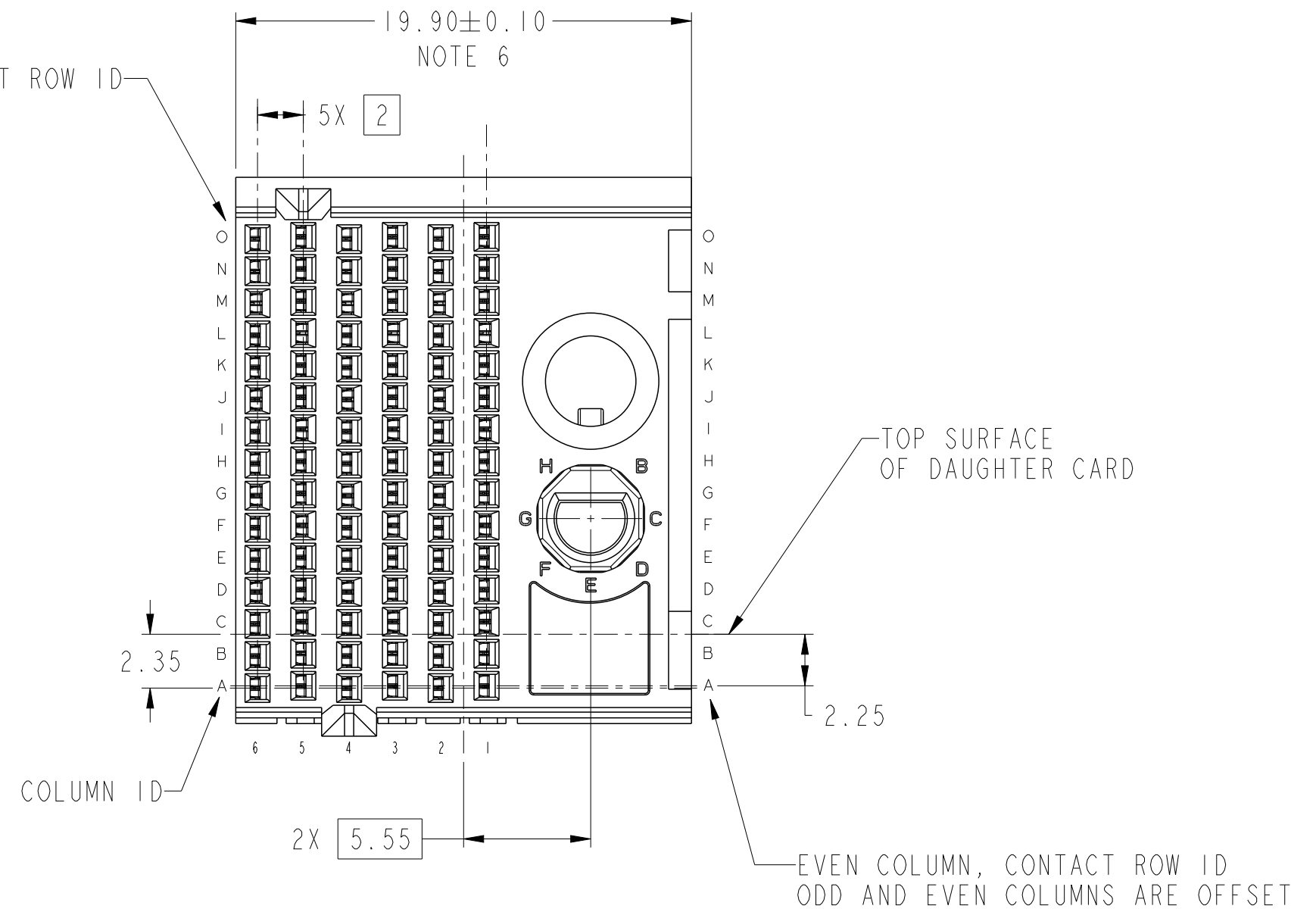
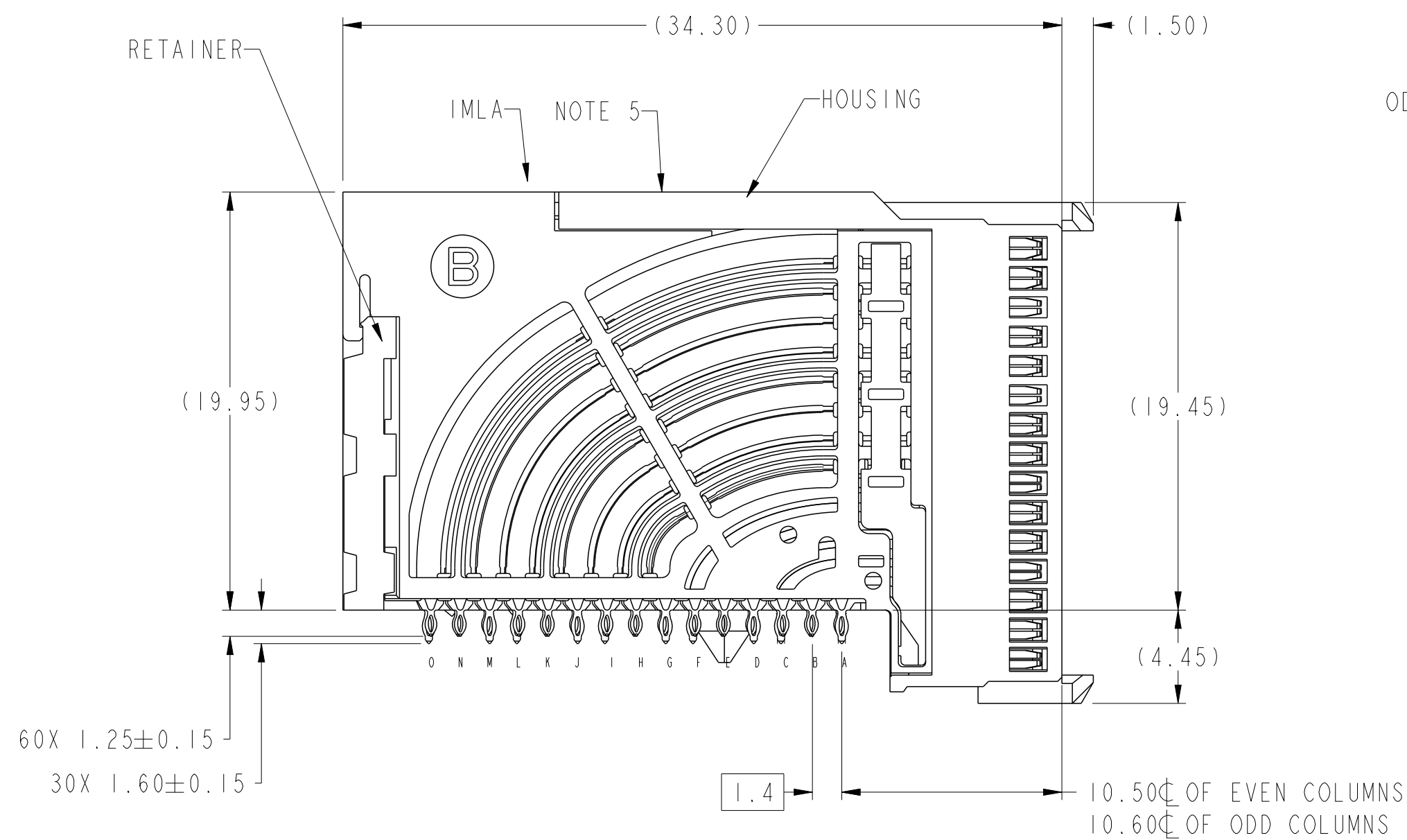
spec ref	---	dr	Jackie Chen	2015/05/25	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Tao Zhan	2016/03/14	chr	-	ecn no	-		
		appr	-	-	product family	AirMax VS2	rel level	Preliminary		
surface	-	linear	0.X	±.3	Amphenol FCi	title	AIRMAX VSe R.A. RECEPTACLE ASS'Y, 5 PAIR, 90 POS, 6 IMLA, 20MM, W/GUIDE/KEY	dwg no	10135308	rev
			0.XX	±.15						
			0.XXX	±.050						
		angular	0°	±°		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		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Tao Zhan		2016/03/14						ecn no		-							
ASME Y14.5M				chr		-						product family		AirMax VS2		rel level Preliminary					
surface - 		linear		Amphenol FCI		title AIRMAX VSe R.A. RECEPTACLE ASS'Y, 5 PAIR, 90 POS, 6 IMLA, 20MM, W/GUIDE/KEY		cat. no.		-		Product-		Customer Drw		sheet 2 of 4					
		0.X ±.3																dwg no 10135308		rev 1	
		0.XX ±.15																			
		0.XXX ±.050																			
		angular 0° ±																			

LEFT POLARIZATION WITH GUIDE



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	-		
		appr	-	-	product family	AIRMAX VS2	rel level	Preliminary		
surface	-	linear	0.X	±.3	Amphenol FCi	title	AIRMAX VSe R.A. RECEPTACLE	dwg no	10135308	rev
			0.XX	±.15						
			0.XXX	±.050						
		angular	0°	±°	cat. no.	-	Product - Customer Drw	sheet 3 of 4		

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE
10135308-10*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 20.0 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

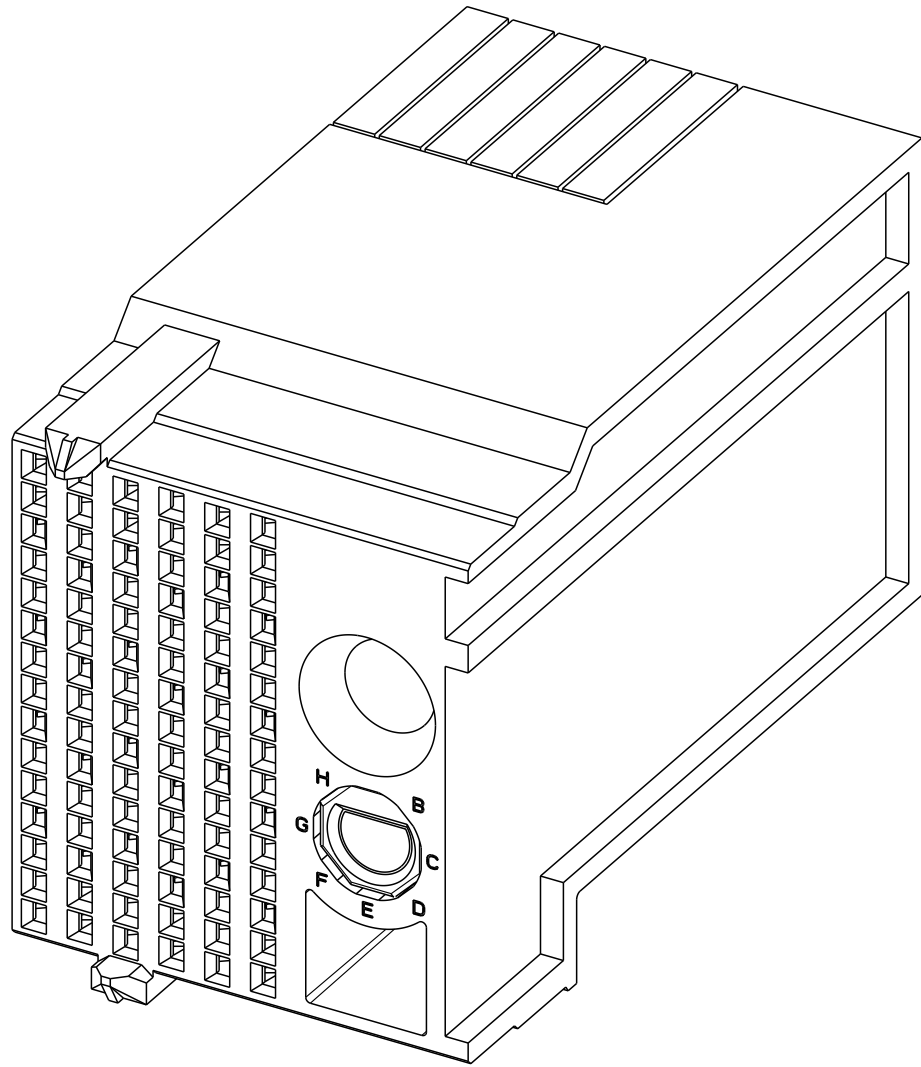
- 10 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING
SPECIFICATION.

- 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.

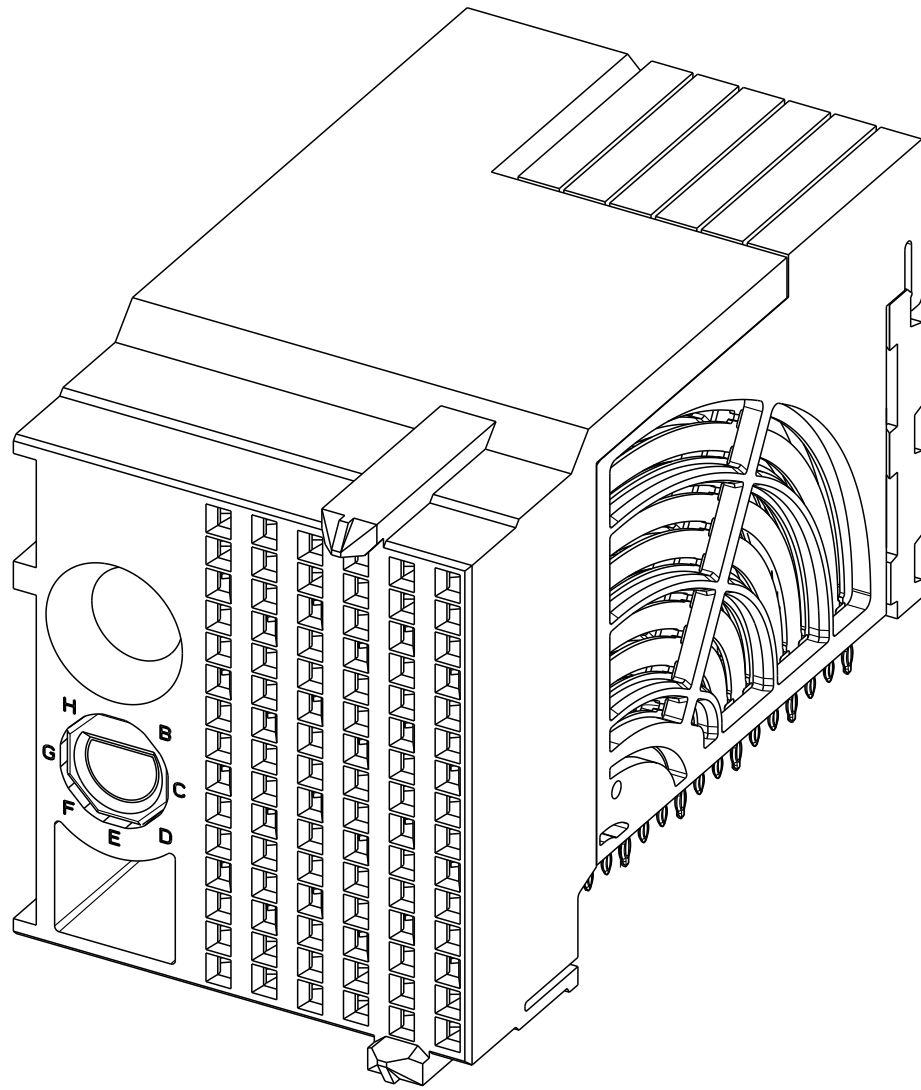
- 12 - THESE OUTER VIAS (M) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE
PRESSED INTO THESE HOLES WE RECCOMEND (Ø0.500) FINISHED HOLES
AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.

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

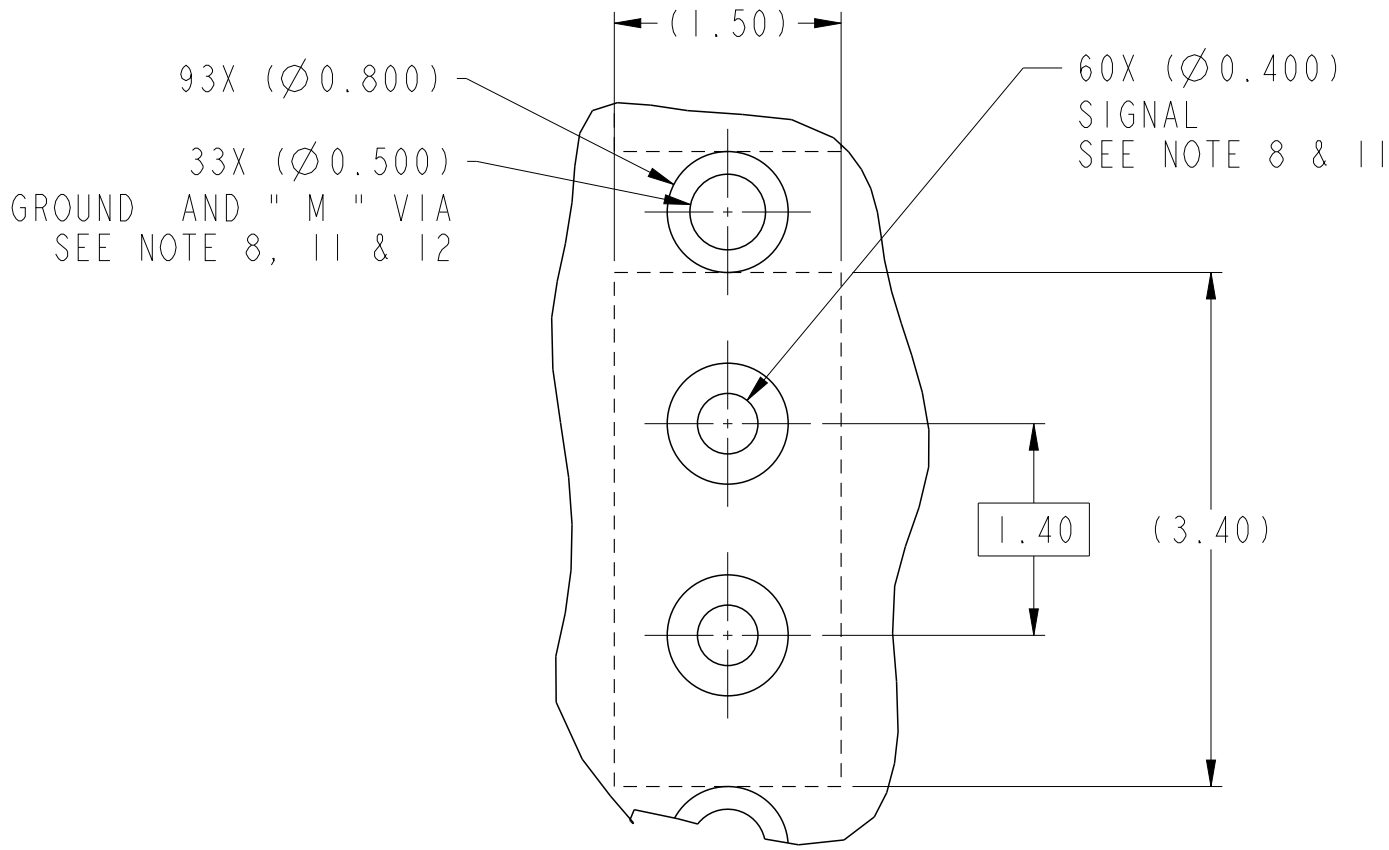
- 14 - CUSTOMER CAN FIX THE CONNECTOR WITH THREAD FORMING SCREW THROUGH
THIS PTH. THE SCREW IS #2-32, THE VALID LENGTH OF SCREW IS 4.5MM PLUS THE
THICKNESS OF PCB.



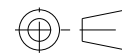
10135308-10ALF



10135308-10PLF



DETAIL A
SCALE 20:1

spec ref ---				dr Jackie Chen		2015/05/25		projection		MM		size A2		scale 4:1	
tolerance std				eng Tao Zhan		2016/03/14						ecn no -			
ASME Y14.5M				chr -		-						rel level Preliminary			
				appr -		-						product family AirMax VS2			
surface - 		linear		0.X ±.3 0.XX ±.15 0.XXX ±.050				title AIRMAX VSe R.A. RECEPTACLE		dwg no 10135308		rev 1			
		angular 0° ±°		cat. no. -										Product - Customer Drw	