

10135293 - 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

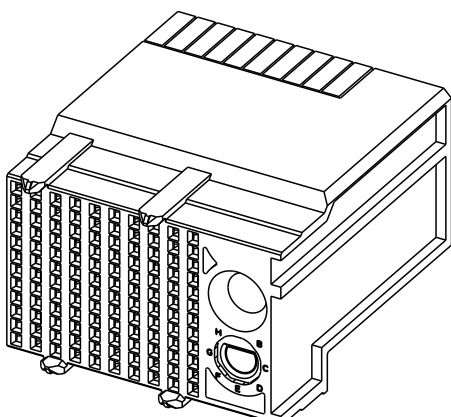
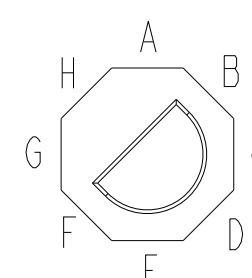
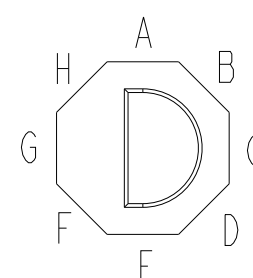
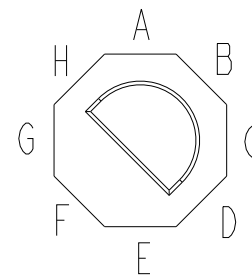
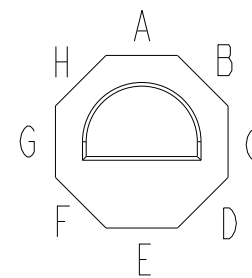
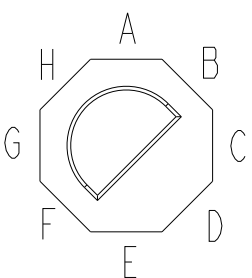
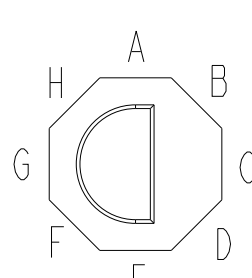
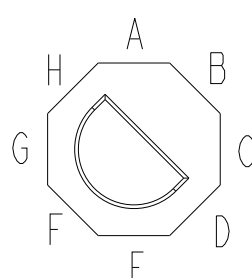
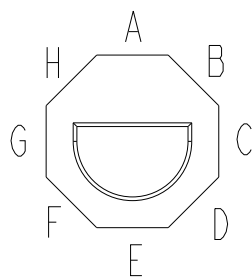
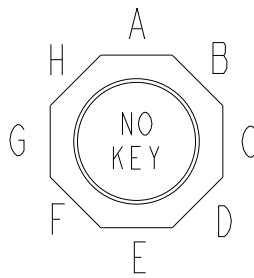
E

F

G

H

NO KEY
NO GUIDE PIN



RIGHT
POLARIZING
GUIDANCE
MODULE
(SEE SHEET 2)

Z

Y
(NO KEY)

P

Q

R

S

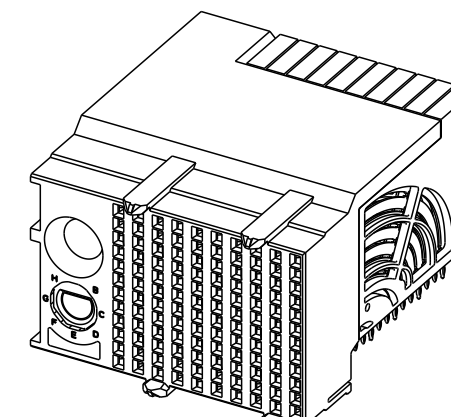
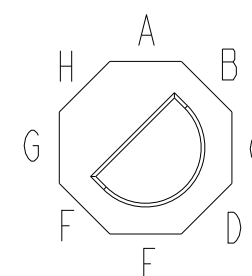
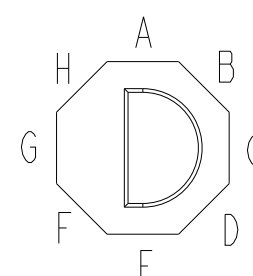
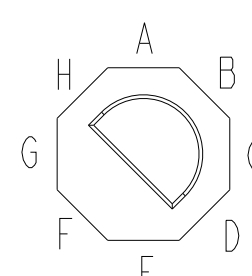
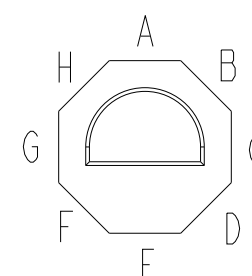
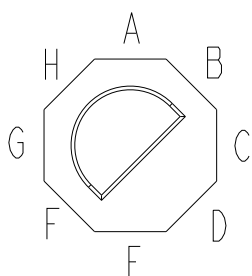
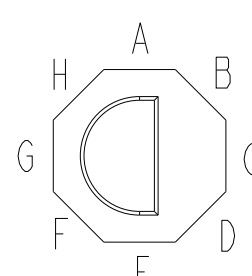
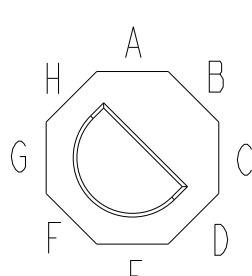
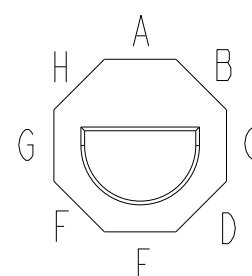
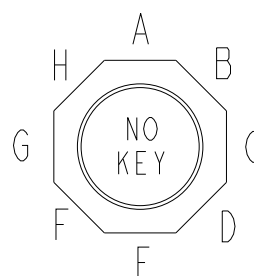
T

U

V

W

NO KEY
NO GUIDE PIN

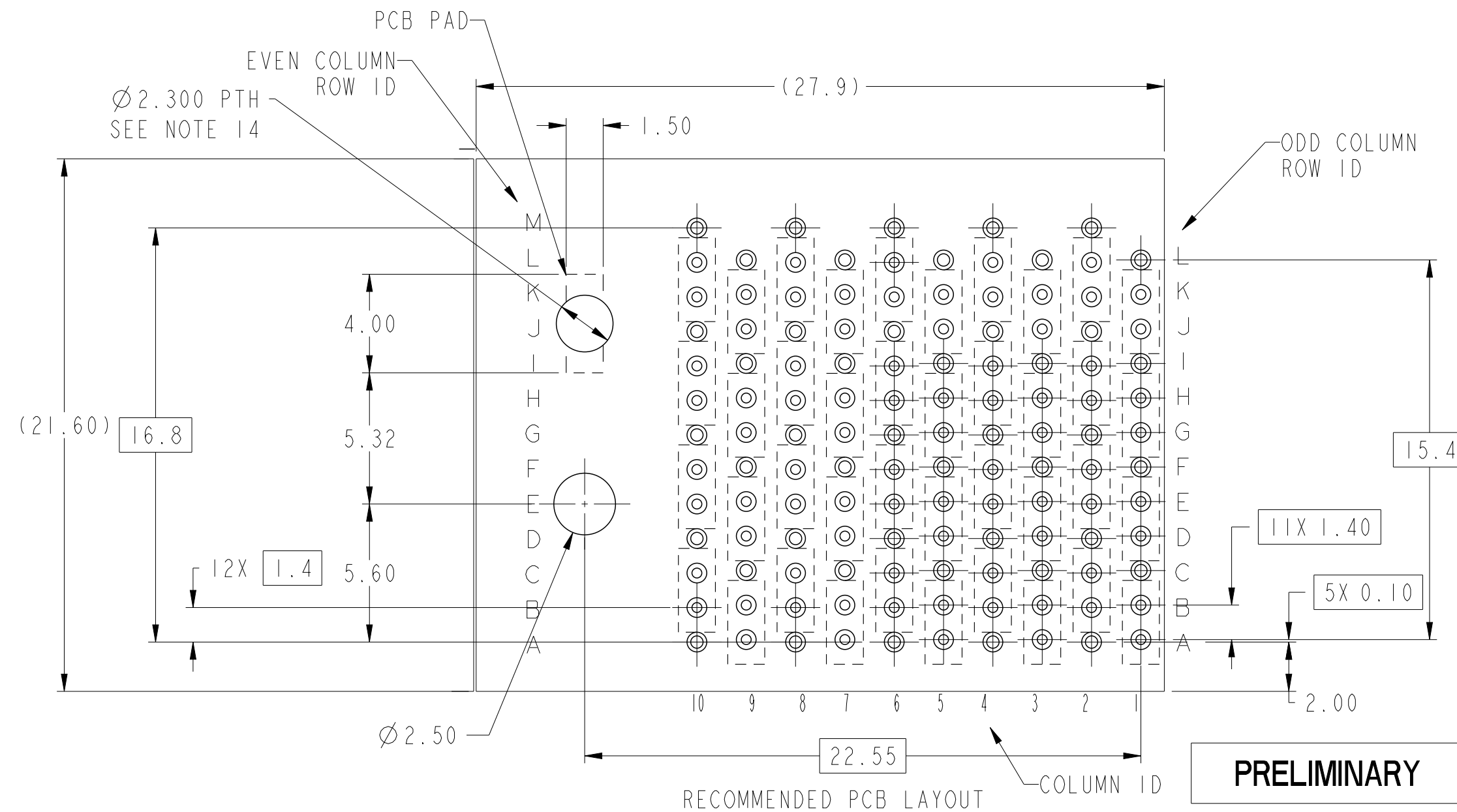
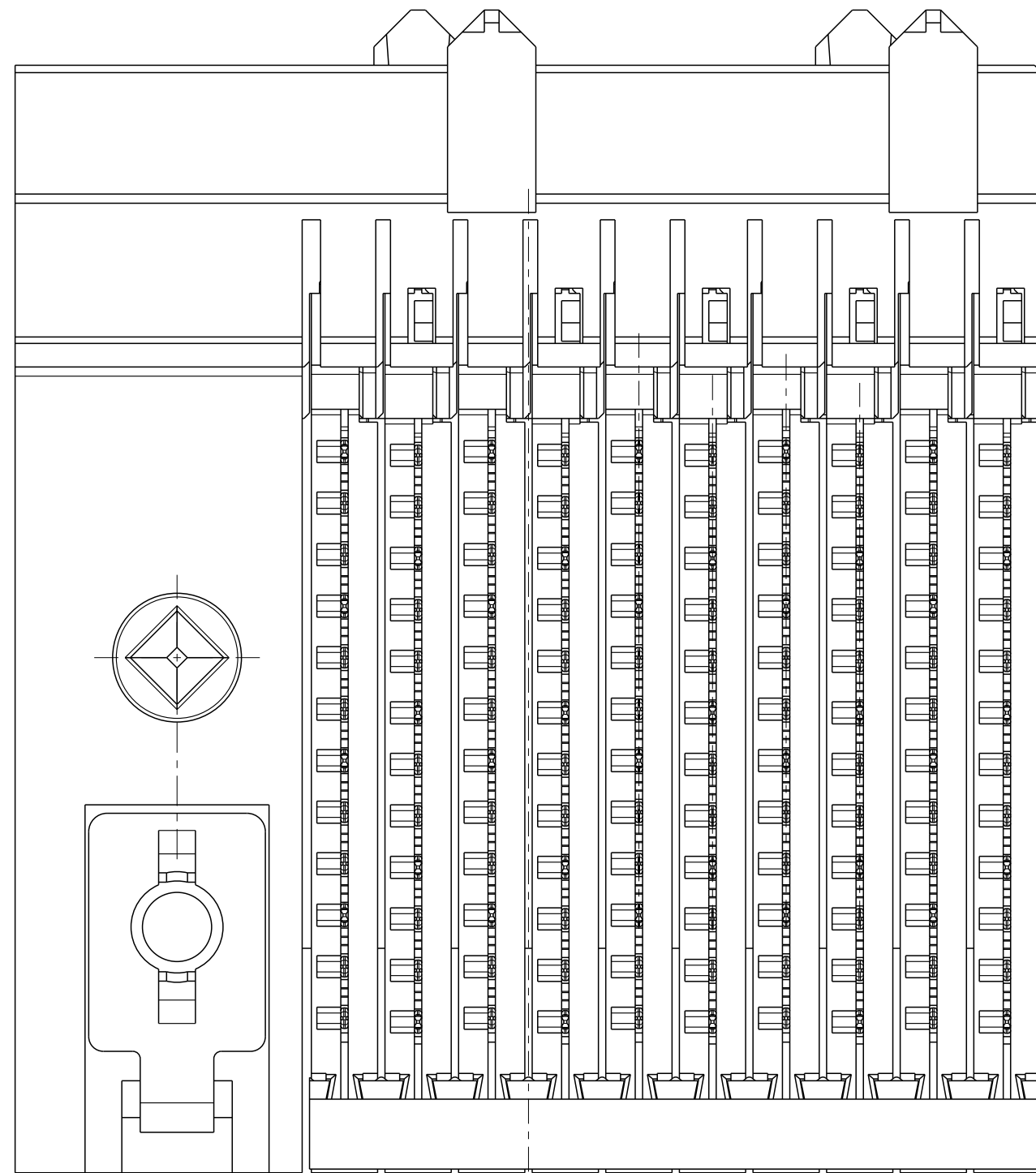
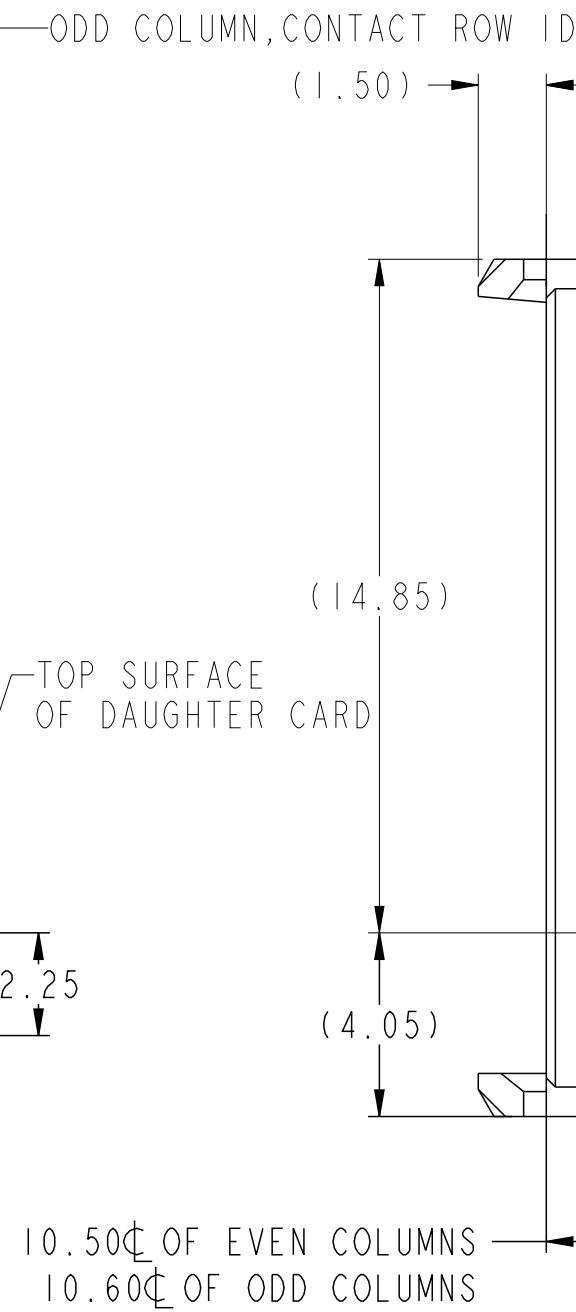
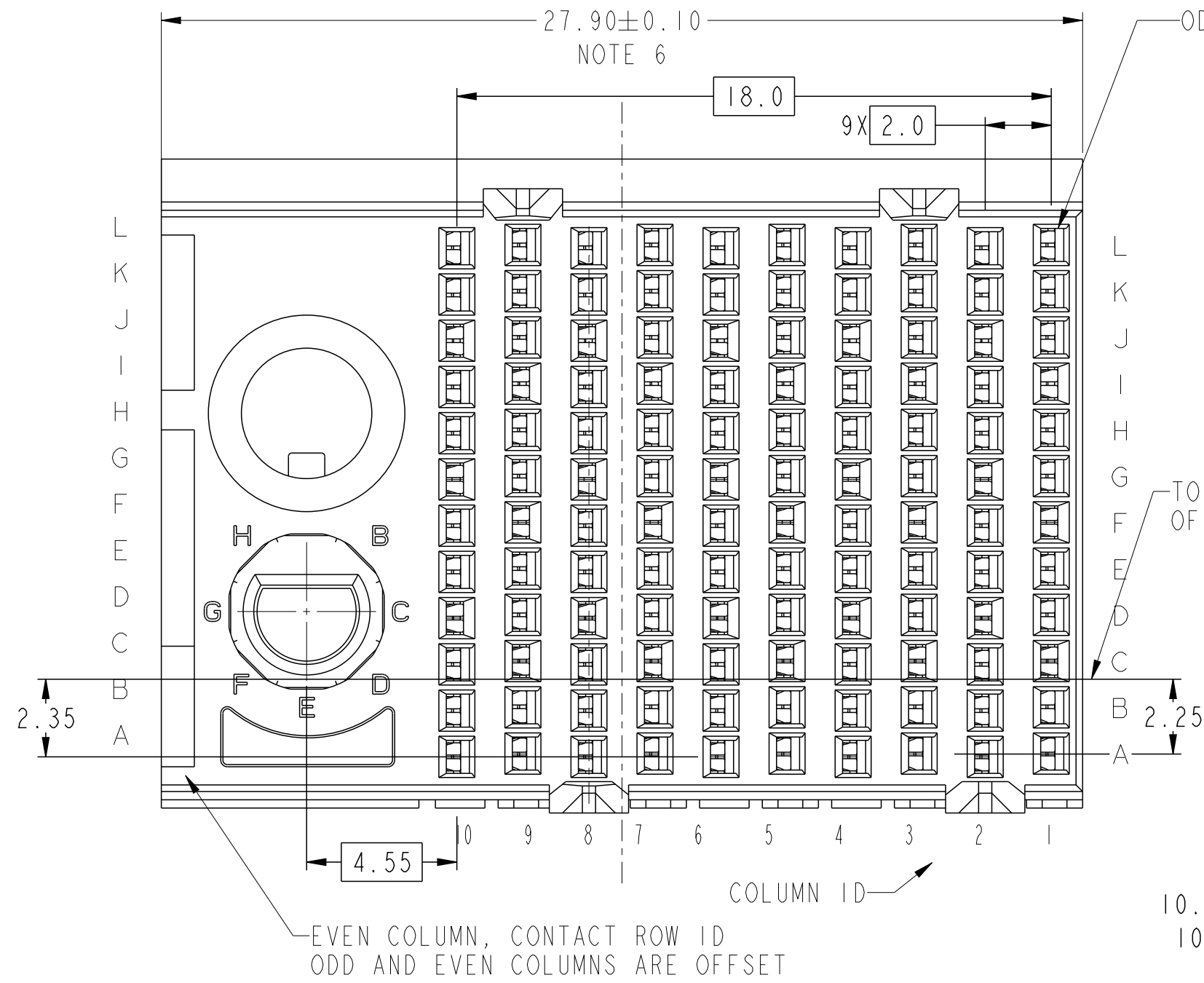


NOT TOOLED

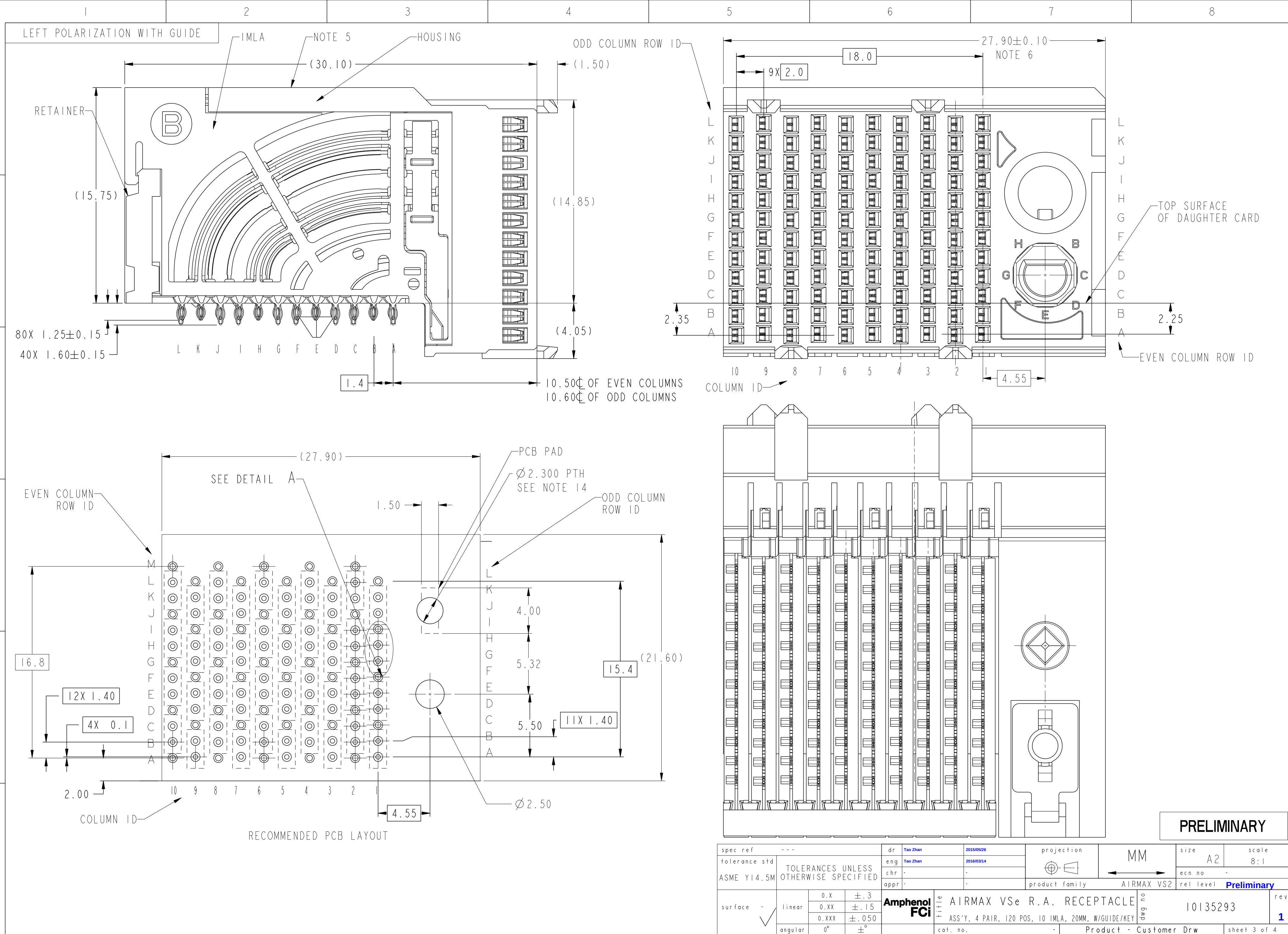
PRELIMINARY

spec ref	---	dr	Tao Zhan	2015/05/26	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Tao Zhan	2016/03/14	chr	-	ecn no	-	rel level	Preliminary
surface	-	appr	-	-	product family	AirMax VS2	cat. no.	-	Product - Customer Drw	sheet 1 of 4
linear	0.X 0.XX 0.XXX	±.3 ±.15 ±.050	Amphenol FCi	title	AIRMAX VSe R.A. RECEPTACLE ASS'Y, 4 PAIR, 120 POS, 10 IMLA, 20MM, W/GUIDE/KEY	dwg no	10135293	rev	1	
angular	0°	±°								

RIGHT POLARIZATION WITH GUIDE



spec ref				---		dr		Tao Zhan		2015/09/26		projection				MM		size		A2		scale		6:1	
tolerance std				ASME Y14.5M		eng		Tao Zhan		2016/03/14		chr		-		ecn no		-		rel level		Preliminary			
TOLERANCES UNLESS OTHERWISE SPECIFIED						appr		-		-		product family		AirMax VS2											
surface				- 		linear		0.X		±.3		Amphenol FCI		title		AIRMAX VSe R.A. RECEPTACLE		dwg no		10135293		rev		1	
								0.XX		±.15				ASS'Y, 4 PAIR, 120 POS, 10 IMLA, 20MM, W/GUIDE/KEY											
								0.XXX		±.050															
						angular		0°		±°				cat. no.		-		Product - Customer Drw				sheet 2 of 4			



PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE
10135293-10*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 28.0 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

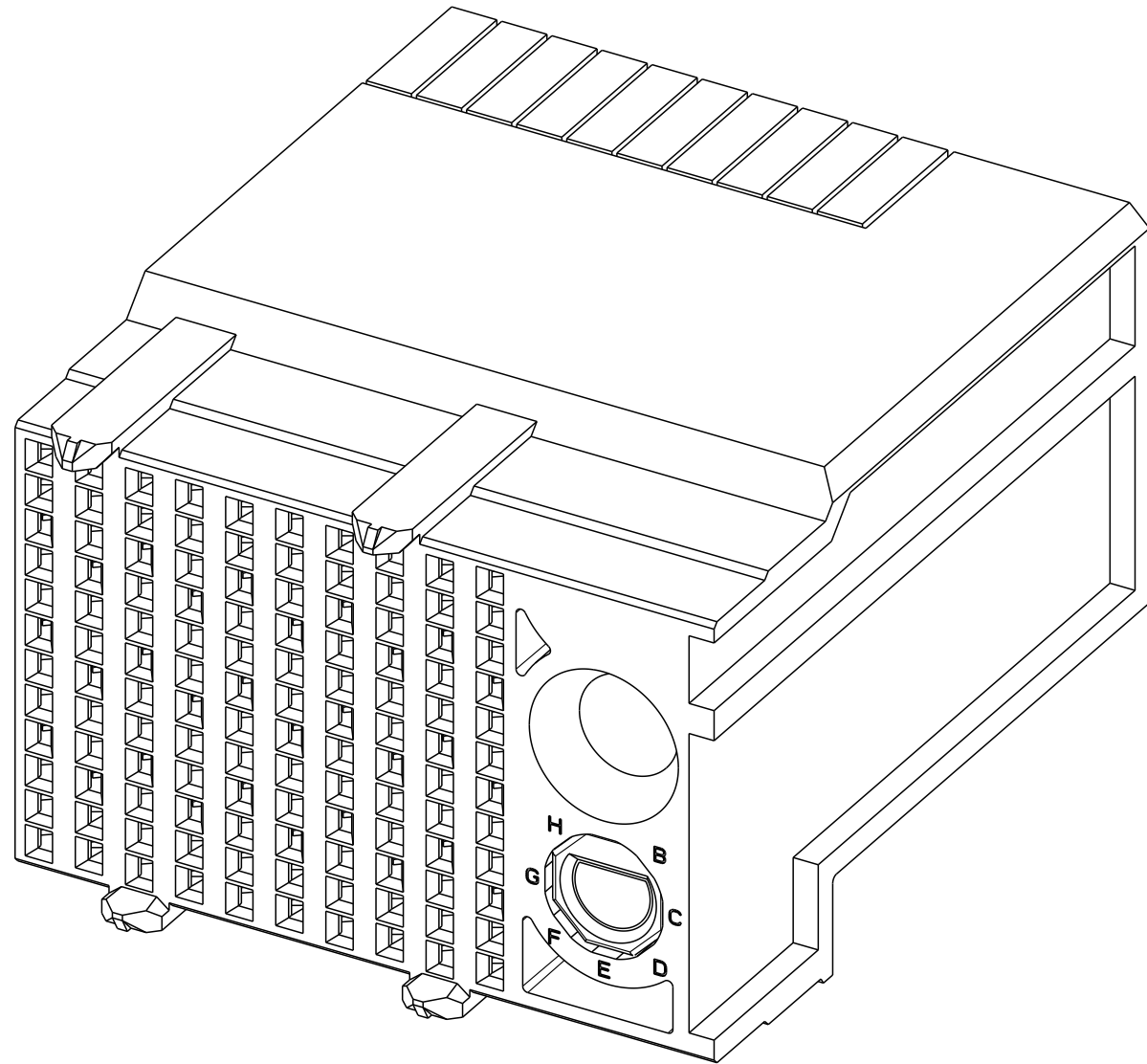
- 10 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING
SPECIFICATION.

- 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.

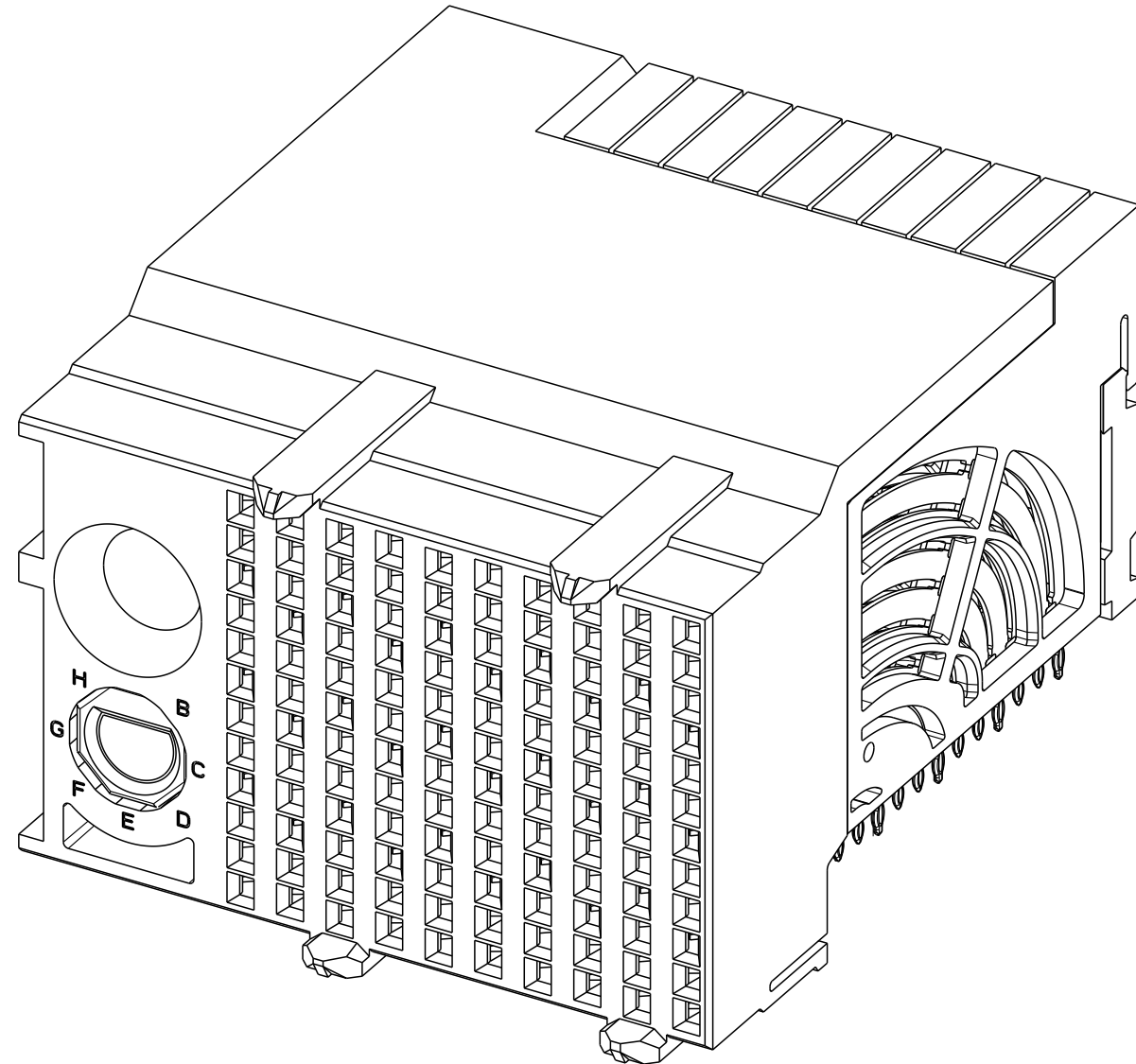
- 12 - THESE OUTER VIAS (M) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE
PRESSED INTO THESE HOLES WE RECCOMEND (Ø0.500) FINISHED HOLES
AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.

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

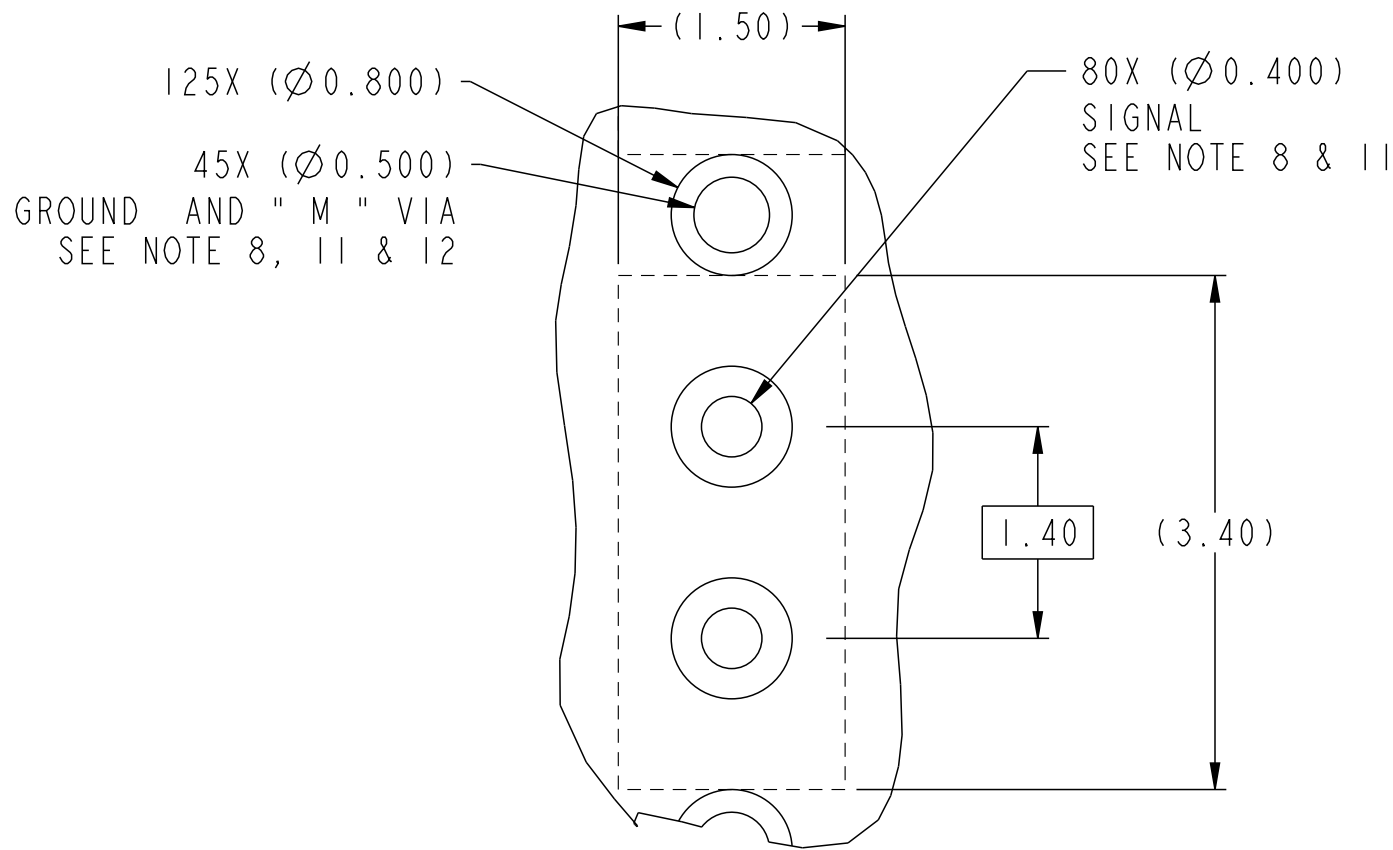
- 14 - CUSTOMER CAN FIX THE CONNECTOR WITH THREAD FORMING SCREW THROUGH
THIS PTH. THE SCREW IS #2-32, THE VALID LENGTH OF SCREW IS 4.5MM PLUS THE
THICKNESS OF PCB.



10135293-10ALF



10135293-10PLF



DETAIL A
SCALE 20:1

spec ref	---	dr	Tao Zhan	2015/09/26	projection	MM	size	A2	scale	6:1
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	dwg no	10135293	rev
			0.XX	±.15			ASS'Y, 4 PAIR, 120 POS, 10 IMLA, 20MM, W/GUIDE/KEY			1
			0.XXX	±.050						
		angular	0°	±°						
					cat. no.	-	Product - Customer Drw		sheet 4 of 4	