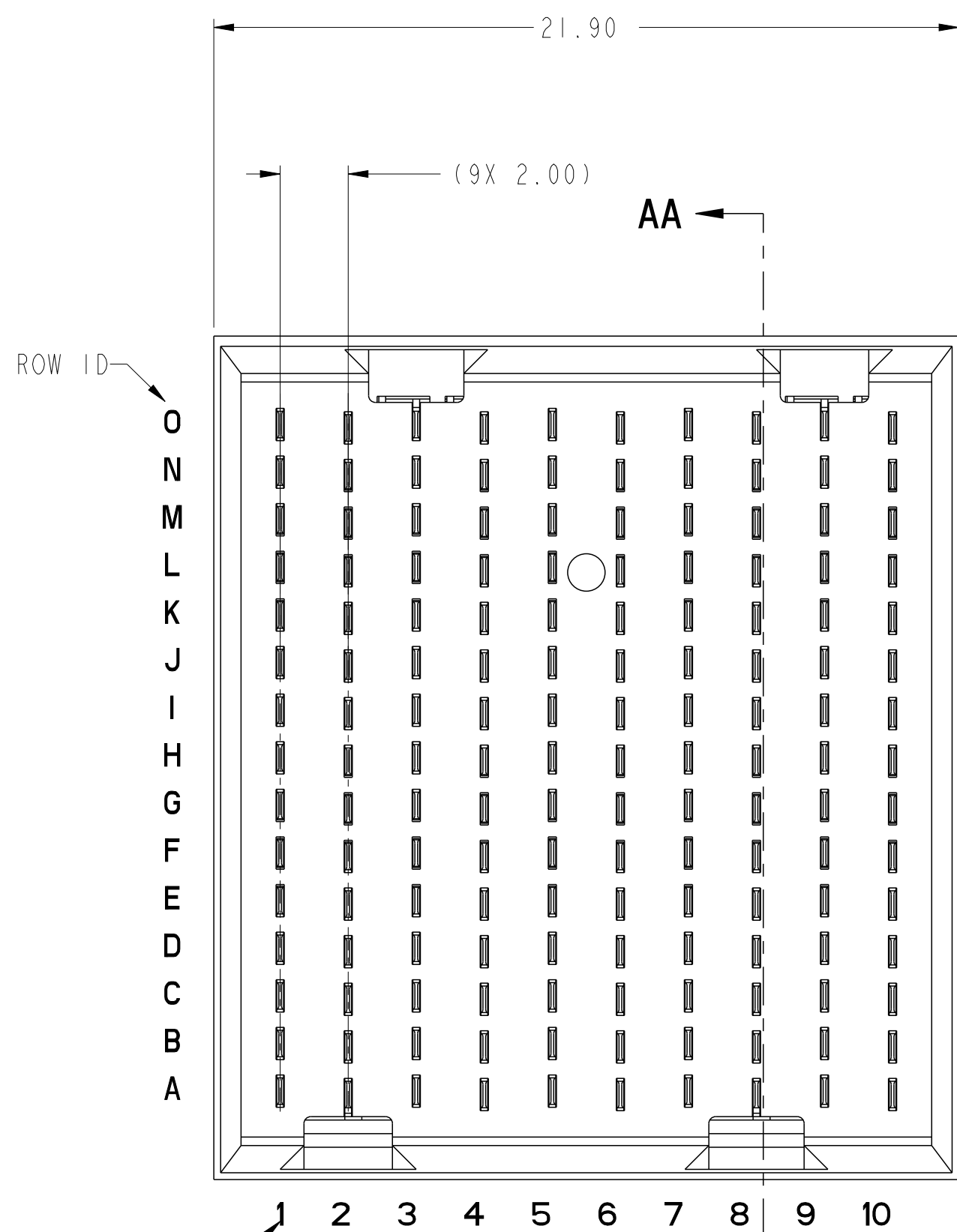


PRODUCT NUMBER
SEE SHEET 3



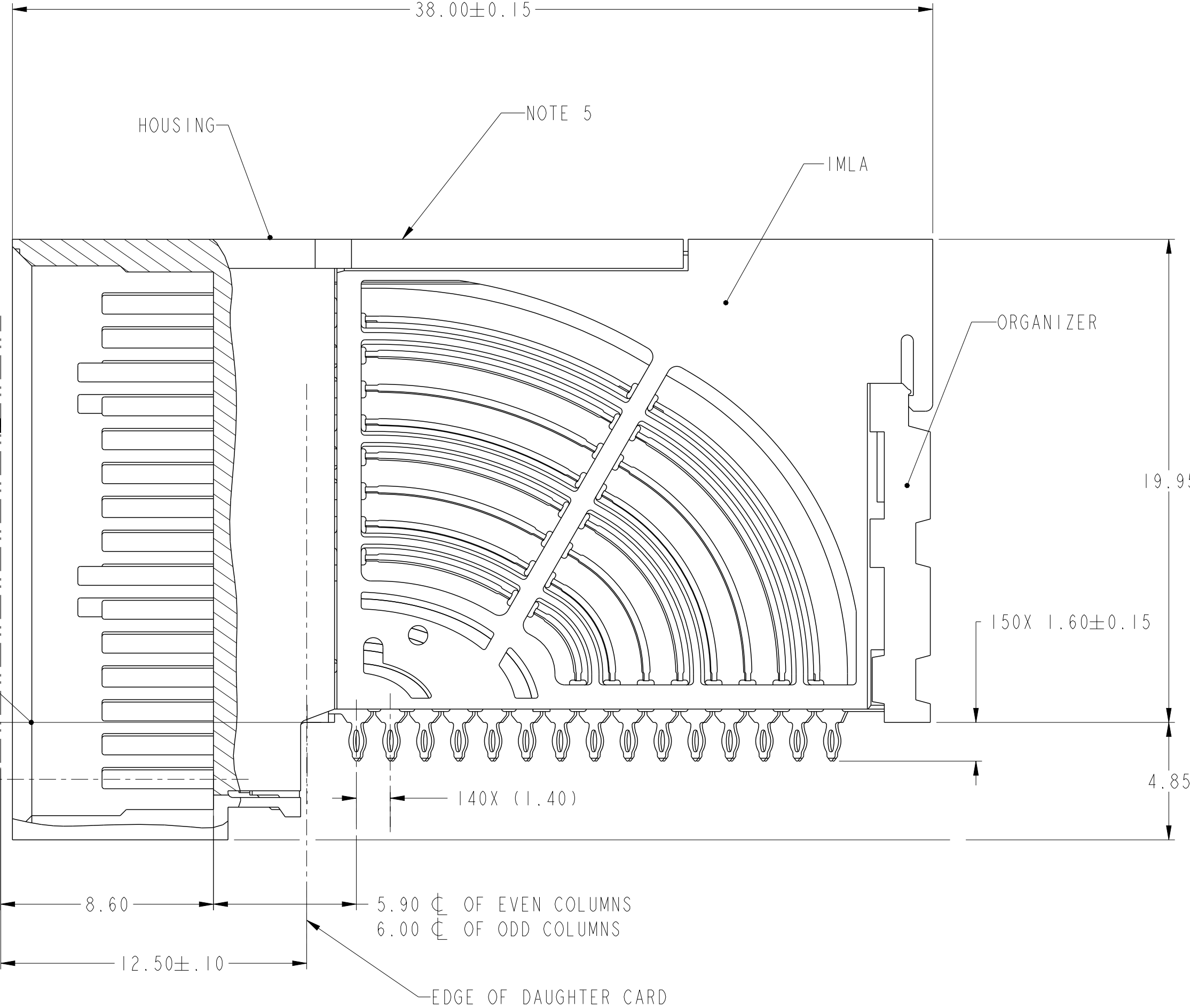
(24.80)

2.35 ϕ OF EVEN COLUMNS
2.25 ϕ OF ODD COLUMNS

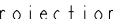
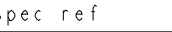
AA

TOP SURFACE OF
MOTHER BOARD

TOP SURFACE OF
DAUGHTER CARD



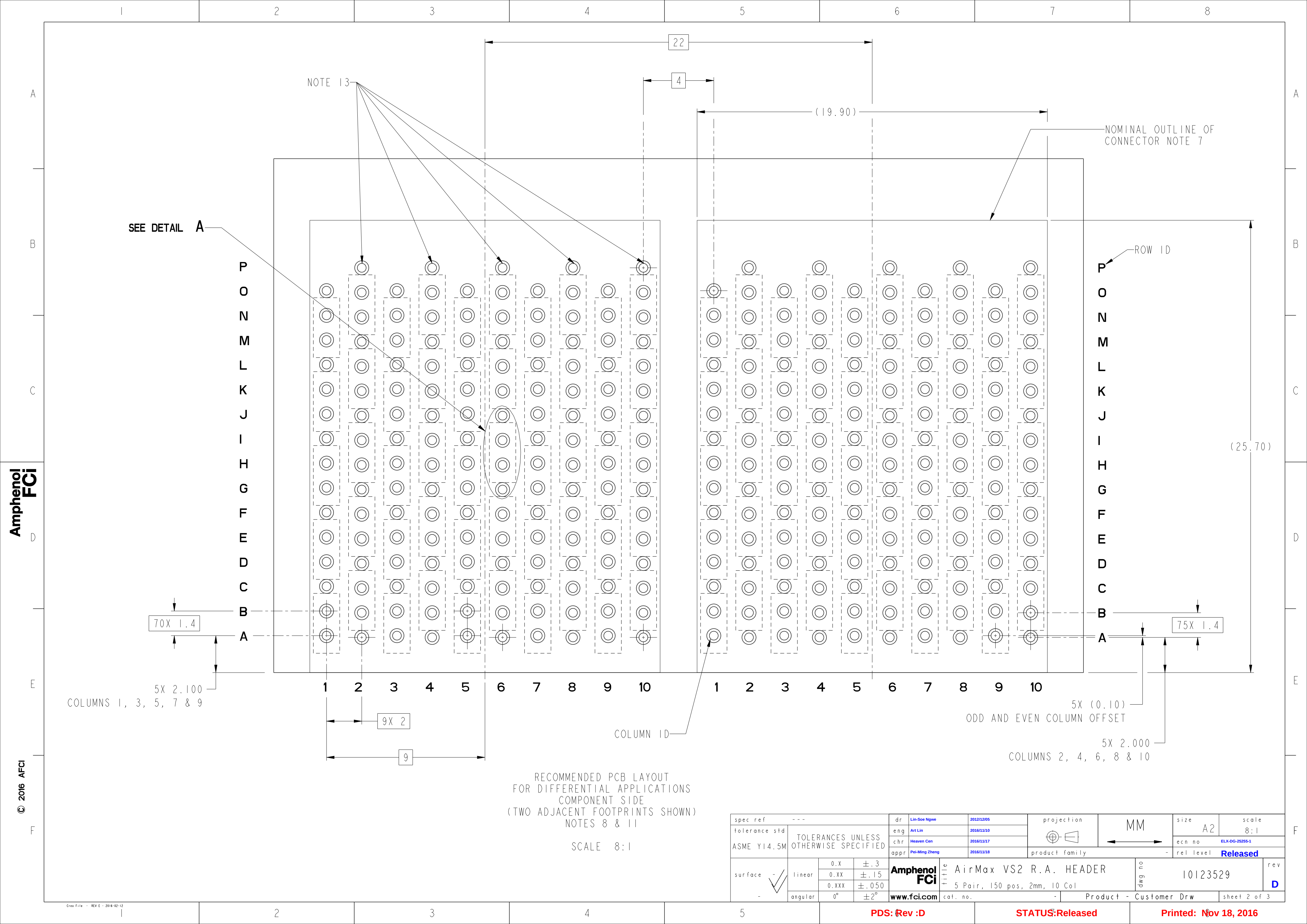
SECTION AA-AA

spec ref		---		dr		Lin-Soe Ngwe		2012/12/05		projection				size		A2		scale		10:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Art Lin		2016/11/10				ecn no		ELX-DG-25255-1		rel level		Released			
ASME Y14.5M				chr		Heaven Cen		2016/11/17				product family									
				appr		Pei-Ming Zheng		2016/11/18													
		linear		0.X ±.3		Amphenol FCI		title		AirMax VS2 R.A. HEADER		dwg no		10123529		rev		D			
																				0.XX ±.15	
																				0.XXX ±.050	
angular		0° ±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 3									

PDS: Rev :D

STATUS:Released

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Amphenol
FCi

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RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 8 & 11
SCALE 8:1

spec ref				---		dr		Lin-Soe Ngwe		2012/12/05		projection				size		A2		scale		8:1	
tolerance std				ASME Y14.5M		eng		Art Lin		2016/11/10						ecn no		ELX-DG-25255-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED						chr		Heaven Cen		2016/11/17						rel level		Released					
						appr		Pei-Ming Zheng		2016/11/18						product family				-			
surface		- ✓		linear		0.X		±.3		Amphenol FCI		title		AirMax VS2 R.A. HEADER		dwg no		10123529		rev		D	
				0.XX		±.15																	
				0.XXX		±.050																	
				angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw				sheet 2 of 3			

PDS: Rev :D

STATUS:Released

Printed: Nov 18, 2016

1

PRODUCT NUMBER

10123529-101

TIN/LEAD ALLOY OVER NICKEL

2

PRESS-FIT TAIL PLATING TYPE

10123529-101LF

TIN OVER NICKEL (LEAD FREE)

REMARK

1-SIDE PLATING (CUSTOMER SPECIAL)

10123529-102

TIN/LEAD ALLOY OVER NICKEL

10123529-102LF

TIN OVER NICKEL (LEAD FREE)

2-SIDE PLATING

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" AND "L" OF ODD NUMBERED COLUMNS AND POSITIONS "G" AND "M" 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

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

11

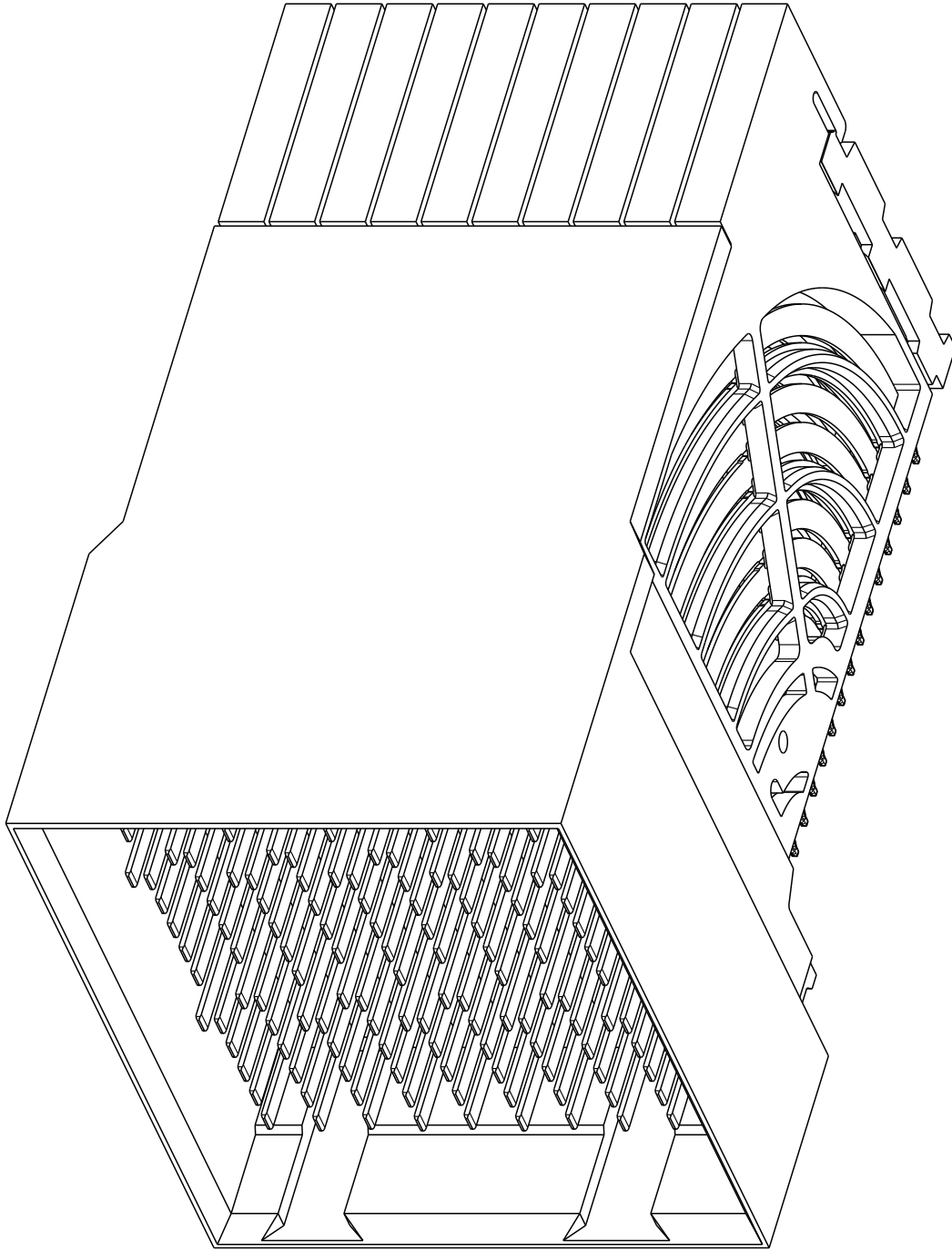
- GROUND CONTACTS (C, F, I, L, & O IN ODD COLUMNS AND A, D, G, J, & M IN EVEN COLUMNS) REQUIRE (Ø0.50) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.50) FINISHED HOLES

12

- THESE OUTER VIAS (P) 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

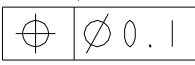
- A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE, WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



10123529-101 OR -101LF
10123529-102 OR -102LF

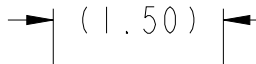
SCALE 4:1

55X Ø0.50

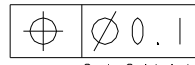


GROUND AND P VIA
NOTES 8 , 11, AND 12

155X (Ø0.80)



100X Ø0.50

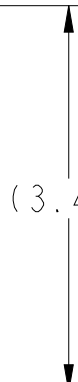


SIGNAL
NOTES 8 & 11

(1.50)

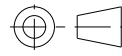


(3.40)



DETAIL A

SCALE 15:1

spec ref	---	dr	Lin-Soe Ngwe	2012/12/05	projection		size	A2	scale	10:1
tolerance std	ASME Y14.5M	eng	Art Lin	2016/11/10	chr	Heaven Cen	ecn no	ELX-DG-25255-1		
		appr	Pei-Ming Zheng	2016/11/18	product family	-	rel level	Released		
surface		linear	0.X	±.3	Amphenol FCI	title	AirMax VS2 R.A. HEADER	dwg no	10123529	rev
			0.XX	±.15	www.fci.com		5 Pair, 150 pos, 2mm, 10 Col			D
			0.XXX	±.050						
		angular	0°	±2°						

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STATUS:Released

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