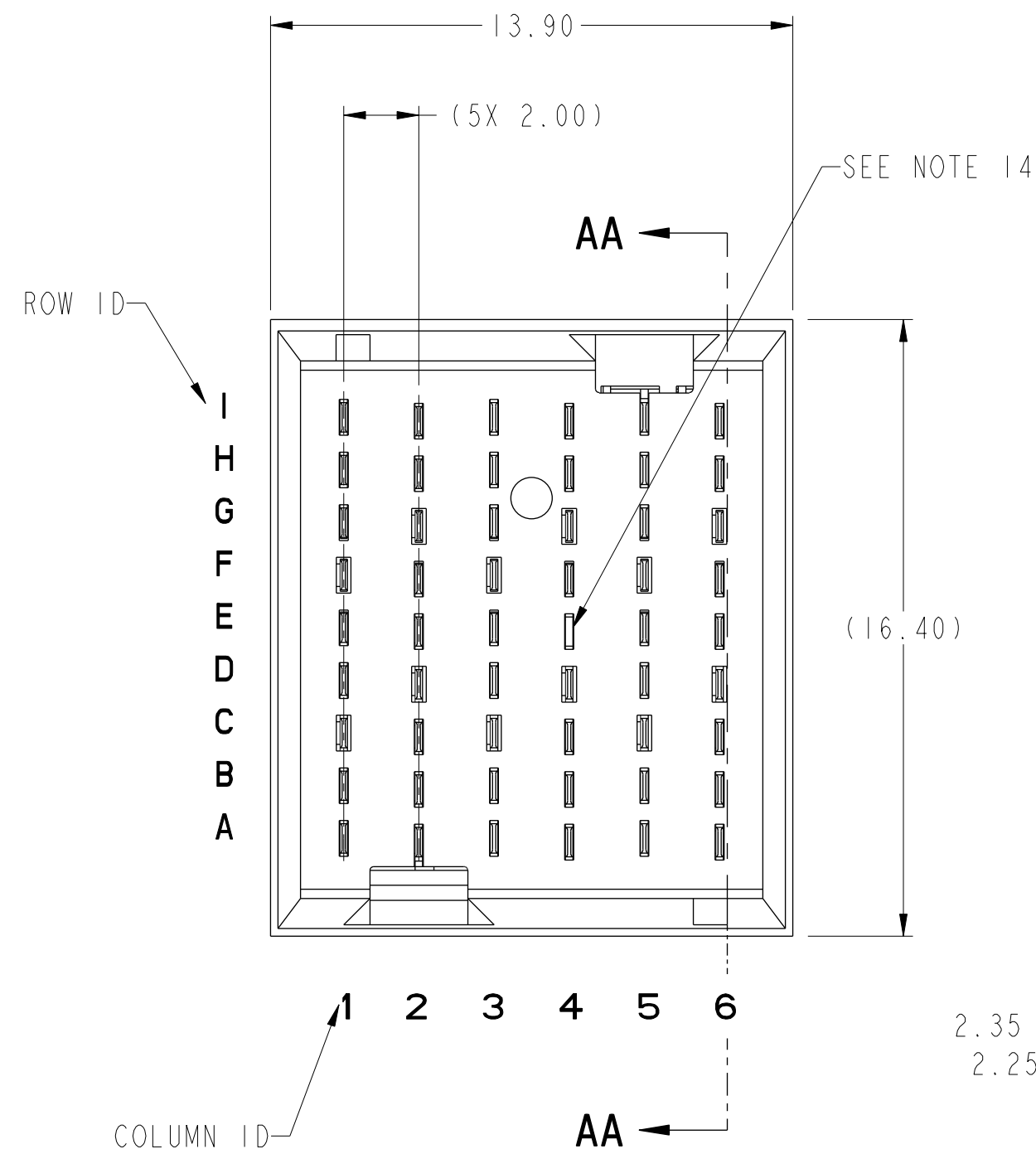


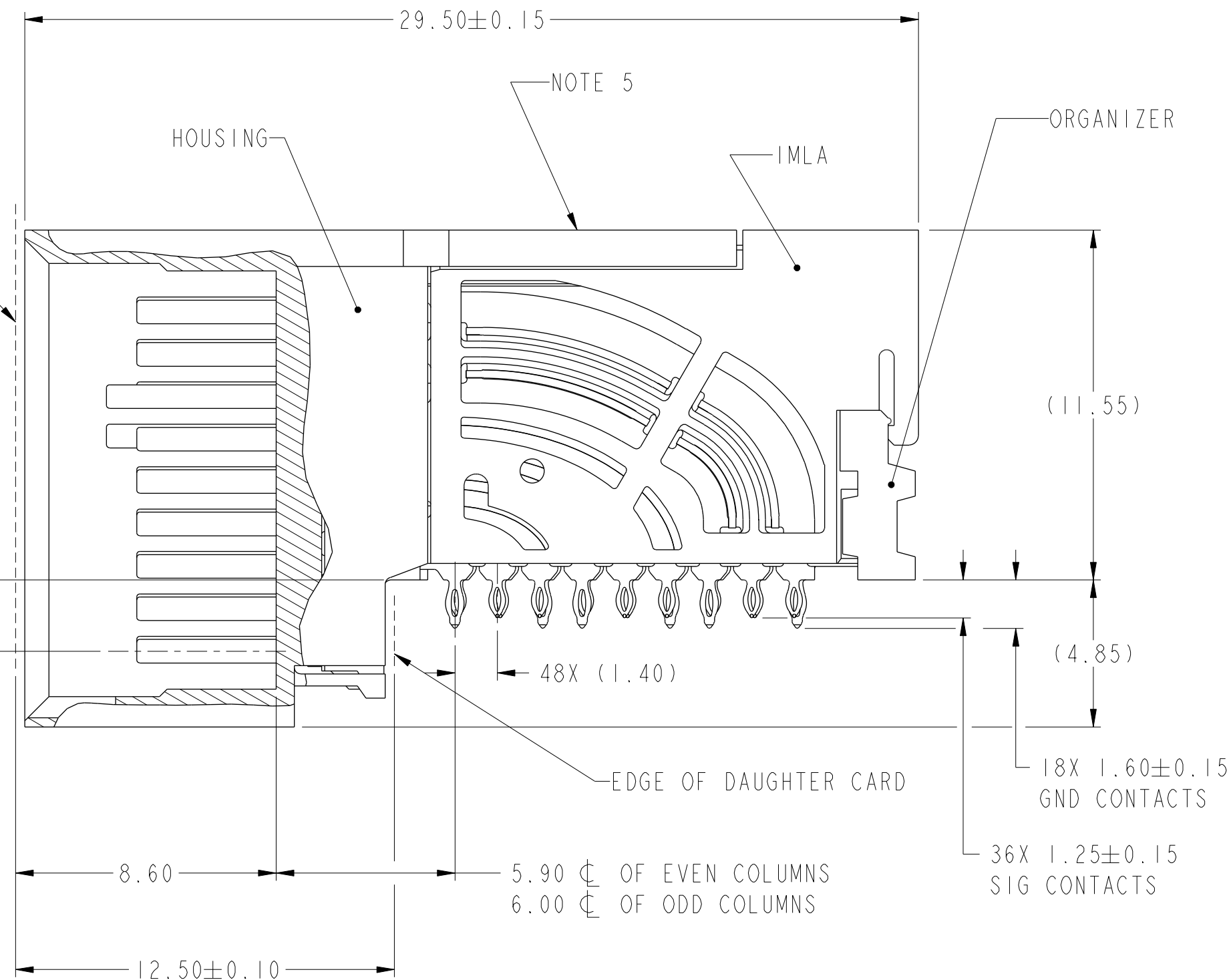
PRODUCT NUMBER
SEE SHEET 3



2.35 ϕ OF EVEN COLUMNS
2.25 ϕ OF ODD COLUMNS

TOP SURFACE OF
MOTHER BOARD

TOP SURFACE OF
DAUGHTER CARD



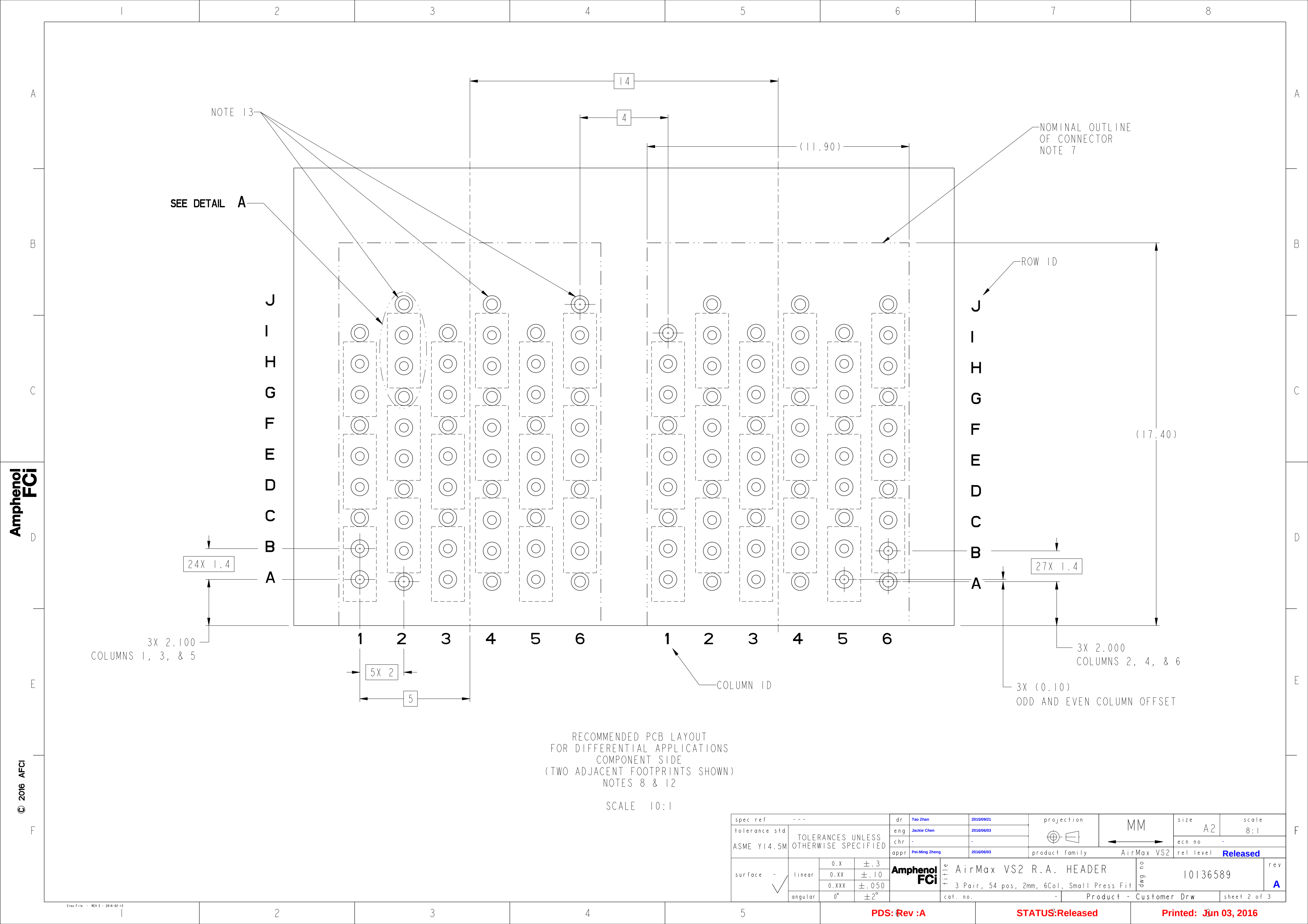
SECTION AA-AA

spec ref		---		dr		Tao Zhan		2015/09/21		projection		MM		size		A2		scale		6:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Jackie Chen		2016/06/03						ecn no		-		rel level		Released			
ASME Y14.5M				chr		-		-															
				appr		Pei-Ming Zheng		2016/06/03		product family		AirMax VS2											
surface		- 		linear		0.X ±.3		0.XX ±.10		Amphenol FCi		title		AirMax VS2 R.A. HEADER		dwg no		10136589		rev			
																						0.XXX ±.050	
																						angular	

PDS: Rev :A

STATUS:Released

Printed: Jun 03, 2016



Amphenol
FCi

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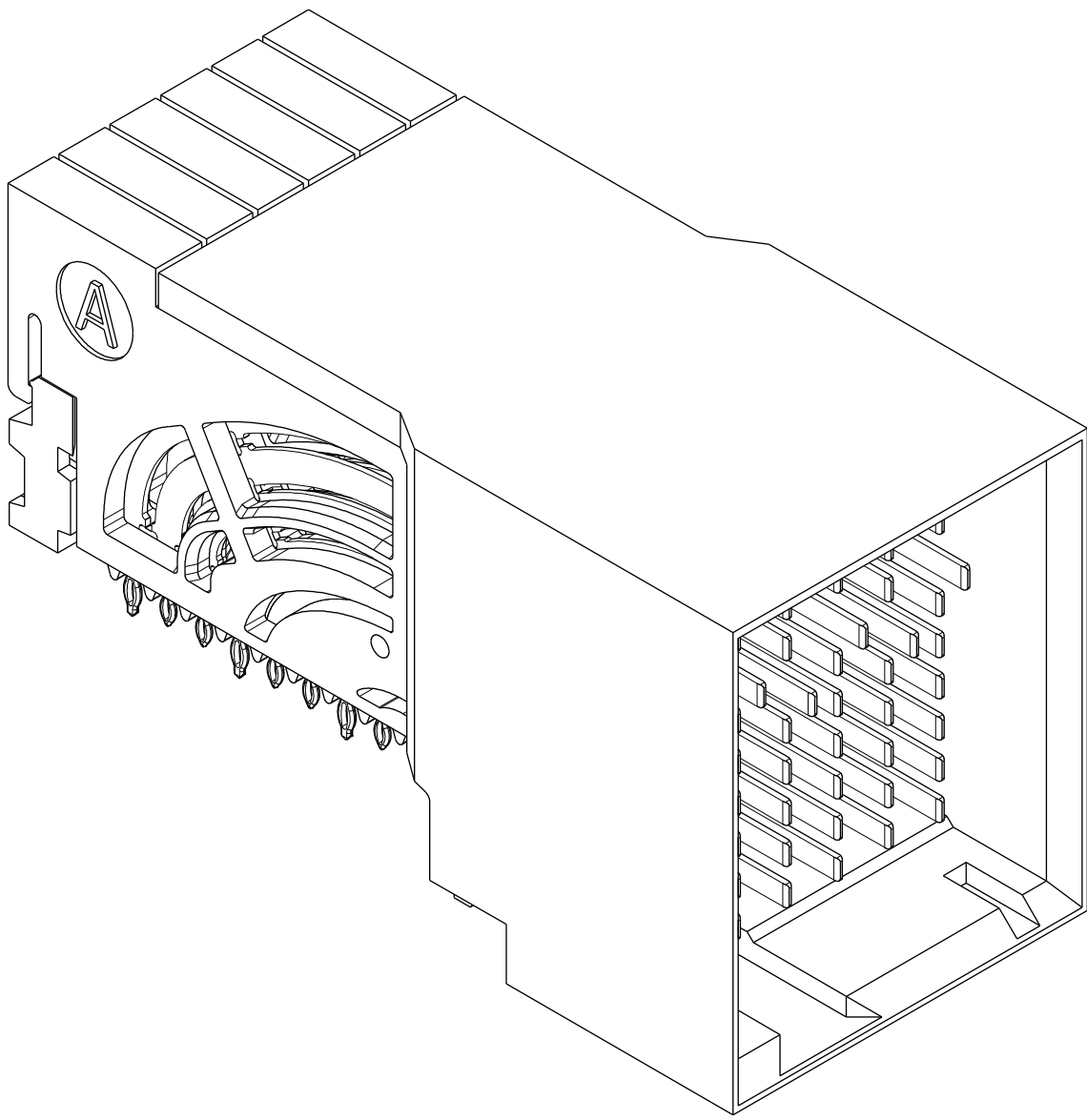
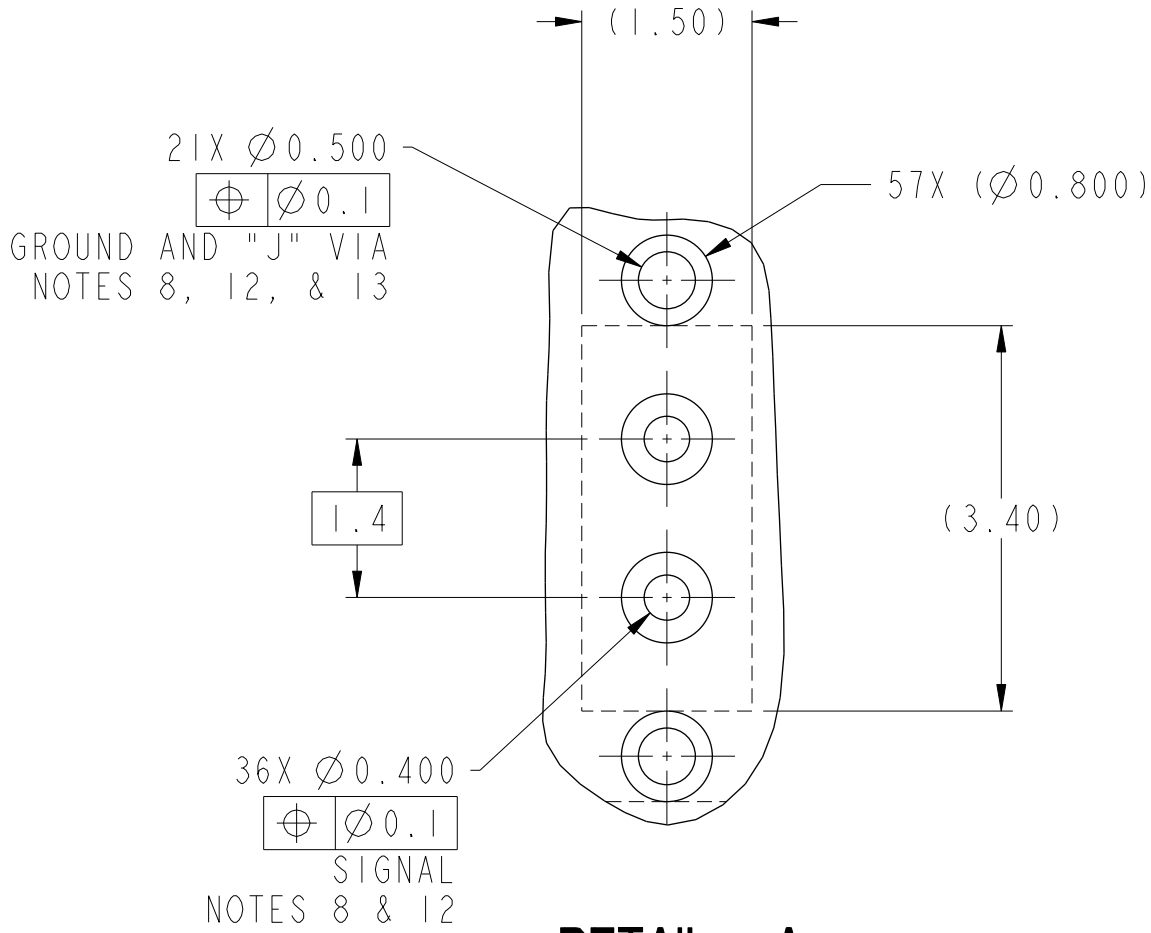
RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 8 & 12

SCALE 10:1

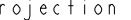
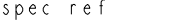
spec ref		---		dr		Tao Zhan		2015/09/21		projection		MM		size		A2		scale		8:1	
tolerance std		ASME Y14.5M		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Jackie Chen		2016/06/03				ecn no		-					
						chr		-		-				product family		AirMax VS2		rel level		Released	
						appr		Pei-Ming Zheng		2016/06/03											
surface		-		linear		0.X		±.3		Amphenol FCI		title		AirMax VS2 R.A. HEADER		dwg no		10136589		rev	
		✓				0.XX		±.10						3 Pair, 54 pos, 2mm, 6Col, Small Press Fit						A	
						0.XXX		±.050													
				angular		0°		±2°				cat. no.		-		Product - Customer Drw				sheet 2 of 3	

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECT CONTACT	REMARK
10136589-101LF	TIN OVER NICKEL (LEAD FREE)	NO	1-SIDE PLATING (CUSTOMER SPECIAL)
10136589-111LF	TIN OVER NICKEL (LEAD FREE)	YES (SEE NOTE 14)	
10136589-102LF	TIN OVER NICKEL (LEAD FREE)	NO	2-SIDE PLATING
10136589-112LF	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  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 (Ø0.500) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.400) FINISHED HOLES
- 13 - THESE OUTER VIAS (J) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECOMMEND (Ø0.500) 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.



10136589-101LF

spec ref		---		dr	Tao Zhan	2015/09/21			size	A2	scale	5:1		
tolerance std				eng	Jackie Chen	2016/06/03			ecn no	-	rel level			
ASME Y14.5M		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			-					
				appr	Pei-Ming Zheng	2016/06/03	product family		AirMax VS2		Released			
	surface	-		linear		title	AirMax VS2 R.A. HEADER				dwg no	10136589	rev	A
							3 Pair, 54 pos, 2mm, 6Col, Small Press Fit							
						cat. no.		-	Product - Customer Drw		sheet 3 of 3			