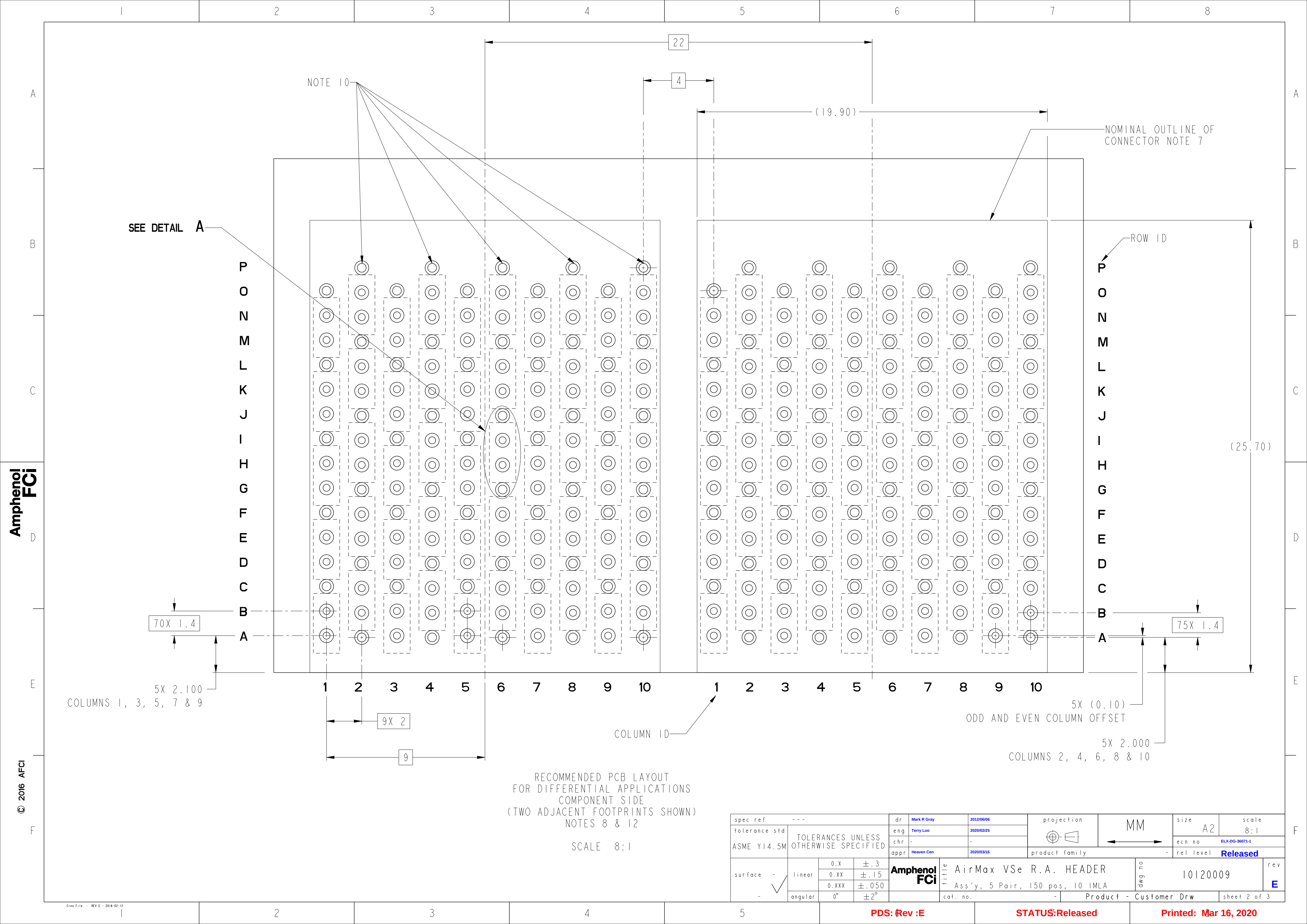
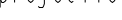




Amphenol
FCi

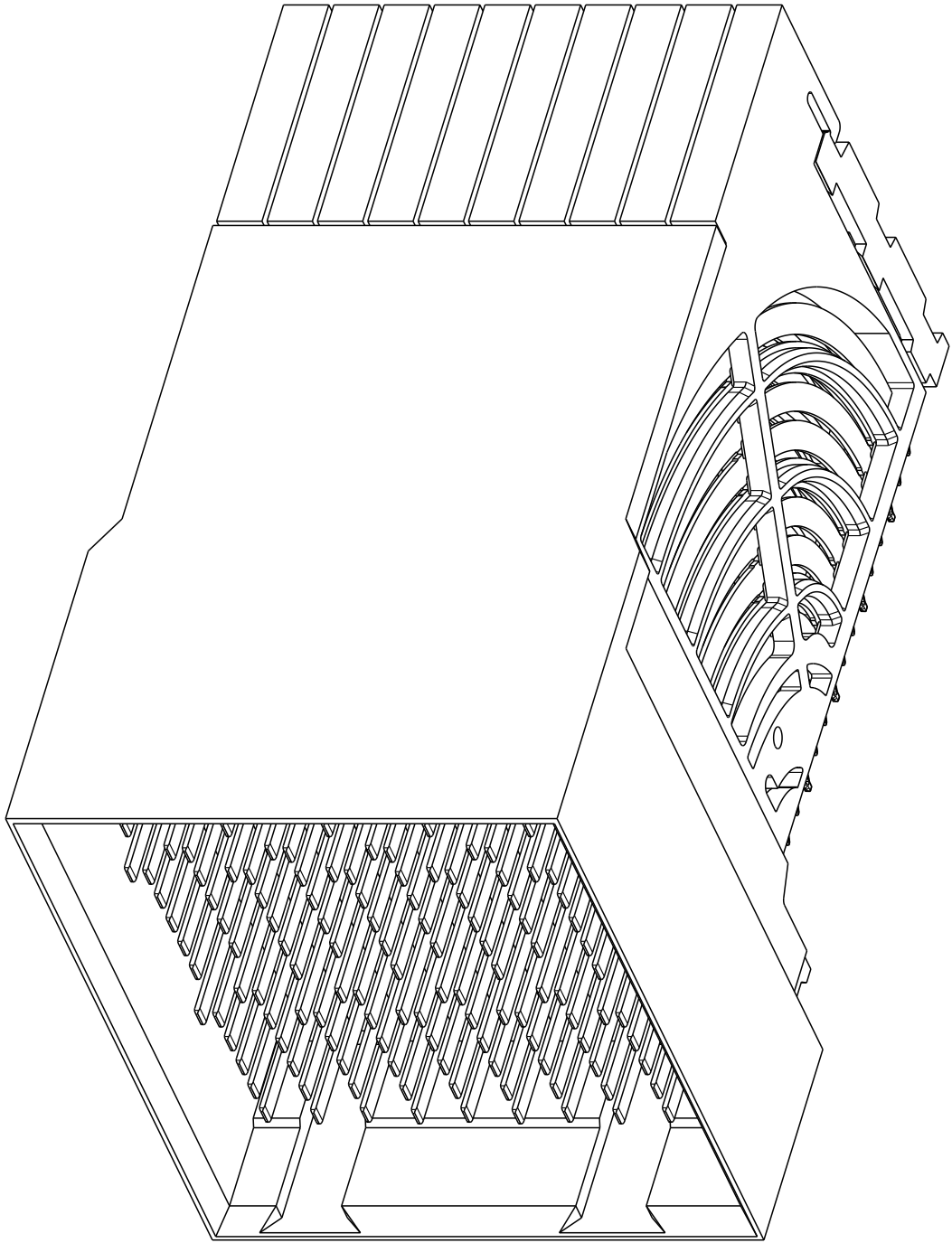
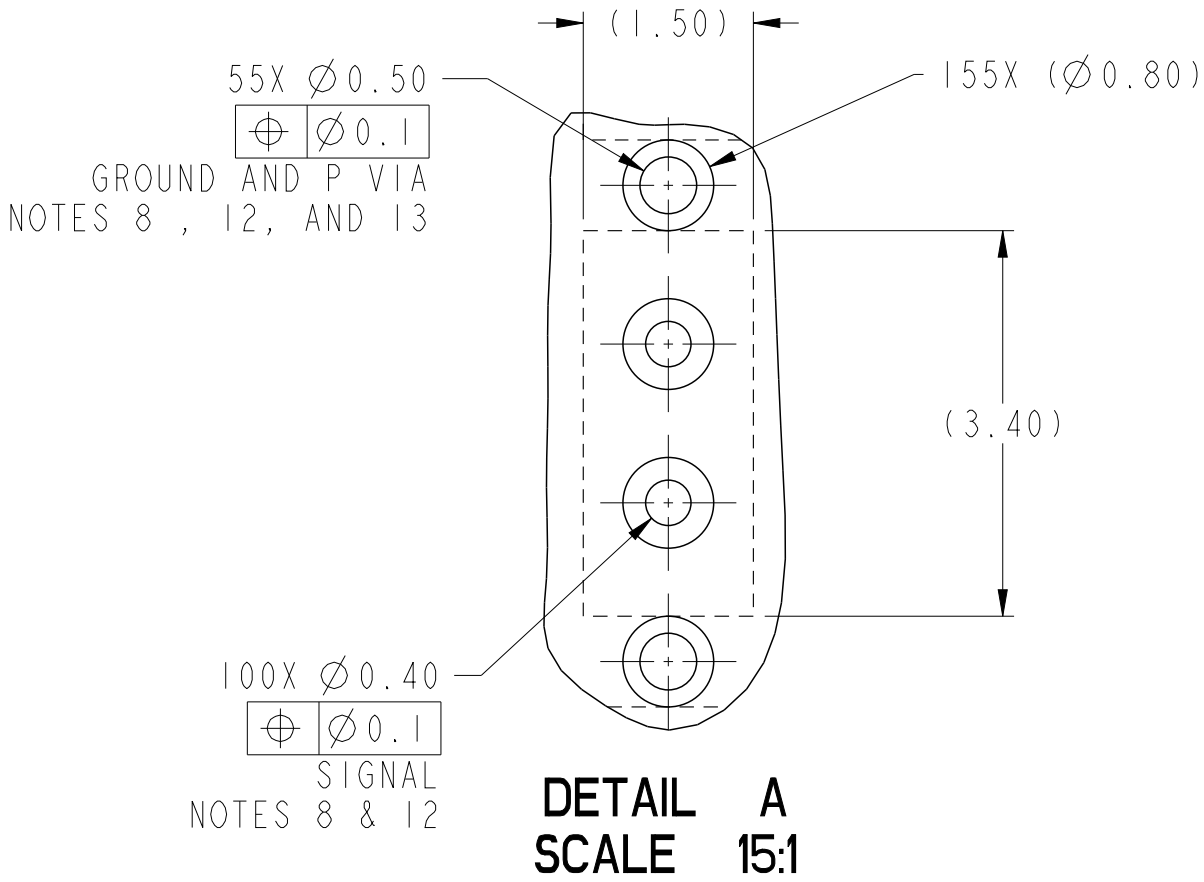
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RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 8 & 12
SCALE 8:1

spec ref		---		dr		Mark R Gray		2012/06/06		projection		MM		size		A2		scale		8:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Terry Luo		2020/02/25						ecn no		ELX-DG-36071-1											
chr				-		-		rel level						Released													
ASME Y14.5M				appr		Heaven Cen		2020/03/16						product family		-											
surface		- 		linear		0.X		±.3		Amphenol FCI		title		AirMax VSe R.A. HEADER		dwg no		10120009		rev		E					
																								0.XX		±.15	
																								0.XXX		±.050	
-		angular		0°		±2°		cat. no.		-		Product - Customer Drw		sheet 2 of 3													

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE
10120009-101	TIN/LEAD ALLOY OVER NICKEL
10120009-101LF	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, 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 - THESE OUTER VIAS (P) 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.
- 11 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
- 12 - 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 (Ø0.40) FINISHED HOLES



10120009-101 OR -101LF
SCALE 4:1

spec ref ---				dr Mark R Gray		2012/06/06		projection		MM		size A2		scale 10:1	
tolerance std				eng Terry Luo		2020/02/25						ecn no ELX-DG-36071-1			
ASME Y14.5M				chr -		2020/03/16		product family				- rel level		Released	
surface - - ✓		linear		Amphenol FCi		title AirMax VSe R.A. HEADER Ass'y, 5 Pair, 150 pos, 10 IMLA		dwg no 10120009		rev E					
												0.X ±.3			
												0.XX ±.15			
		0.XXX ±.050													
		angular 0° ±2°		cat. no. -		Product - Customer Drw				sheet 3 of 3					