

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

SCALE 8:1

spec ref ---			dr Mark Gray		2012/04/18				size A2		scale 8:1	
tolerance std			eng Art Lin		2016/11/01				ecn no ELX-DG-25255-1			
ASME Y14.5M			chr Heaven Cen		2016/11/17				rel level Released			
			appr Pei-Ming Zheng		2016/11/18		product family -					
		0.X ±.3		title AirMax VSe R.A. HEADER Ass'y, 4 Pair, 120 pos, 10 IMLA					10120001		rev D	
		0.XX ±.15										
		0.XXX ±.050										
-	angular	0° ±2°	www.fci.com	cat. no. -		Product - Customer Drw				sheet 2 of 3		

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE
10120001-101	TIN/LEAD ALLOY OVER NICKEL
10120001-101LF	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" 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.

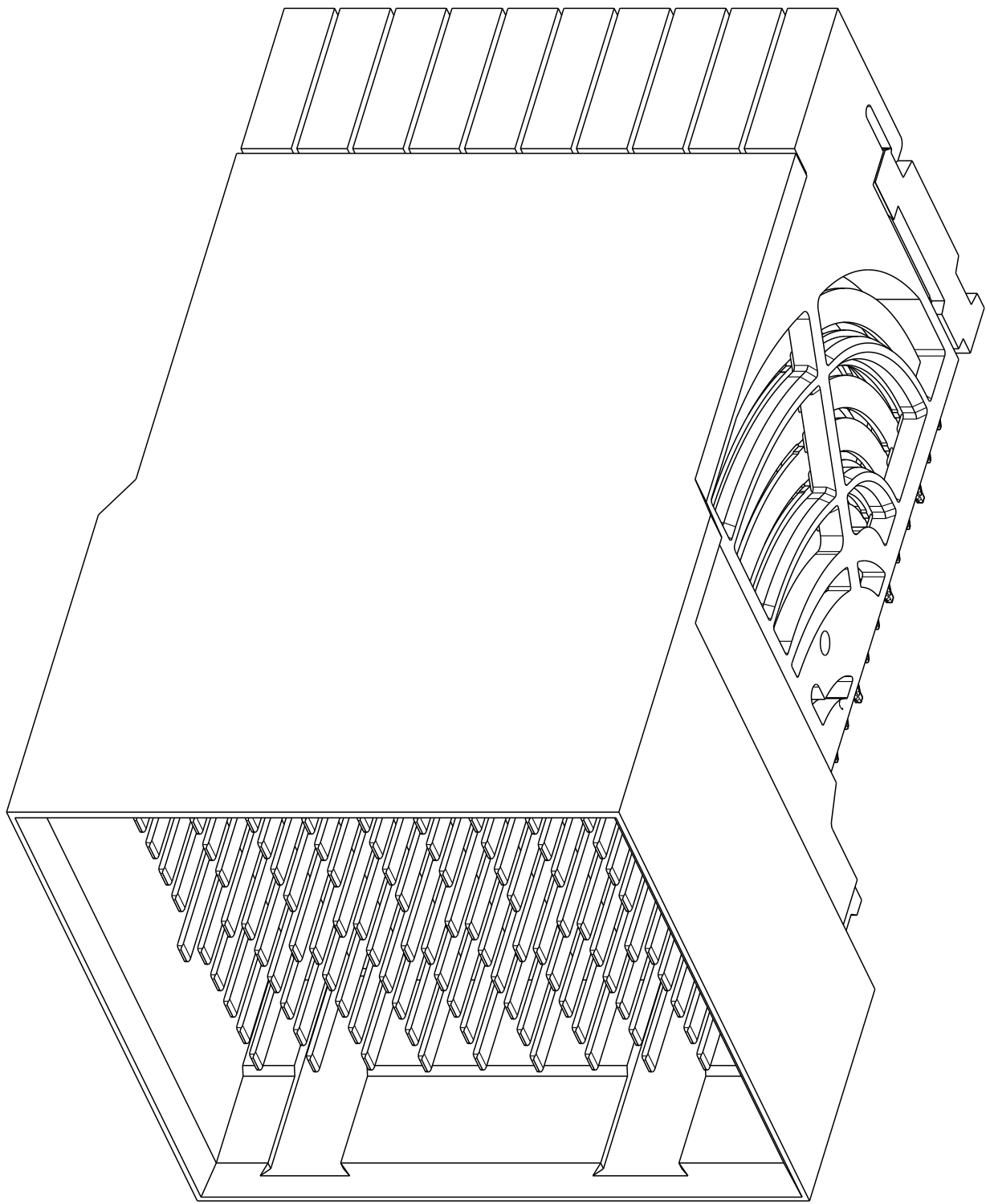
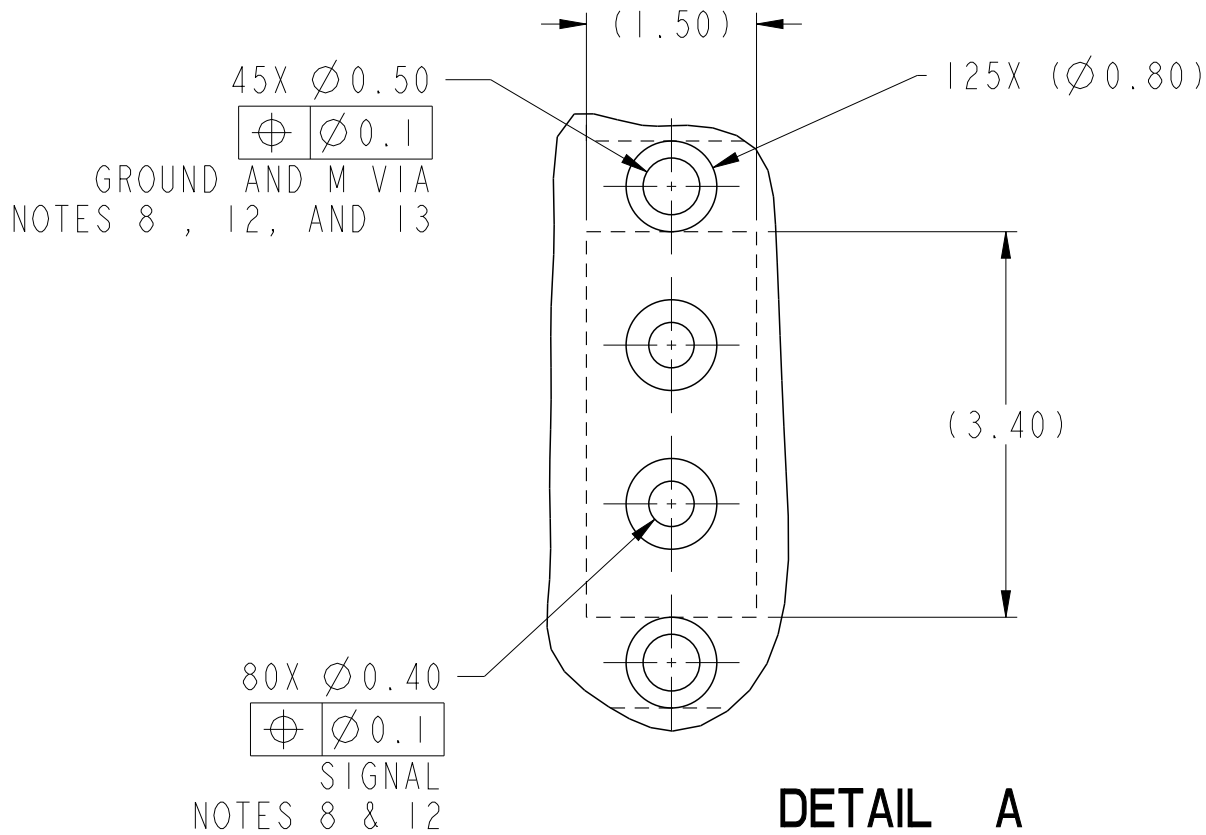
8 - REFER TO CUSTOMER DRAWING 10104444 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS

9 - LEAD FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES & OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008





10 - THESE OUTER VIAS (M) 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 IN ODD COLUMNS AND A, D, G & J IN EVEN COLUMNS) REQUIRE (Ø0.50) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.40) FINISHED HOLES



10120001-101 OR -101LF

spec ref ---				dr Mark Gray		2012/04/18		projection		MM		size A2		scale 10:1	
tolerance std				eng Art Lin		2016/11/01						ecn no		ELX-DG-25255-1	
ASME Y14.5M				chr Heaven Cen		2016/11/17						rel level		Released	
				appr Pei-Ming Zheng		2016/11/18		product family				-			
surface - 		linear		Amphenol FCI		title AirMax VSe R.A. HEADER Ass'y, 4 Pair, 120 pos, 10 IMLA		dwg no 10120001		rev D					
												0.X ±.3			
												0.XX ±.15			
		0.XXX ±.050													
- 		angular		0° ±2°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 3 of 3			