




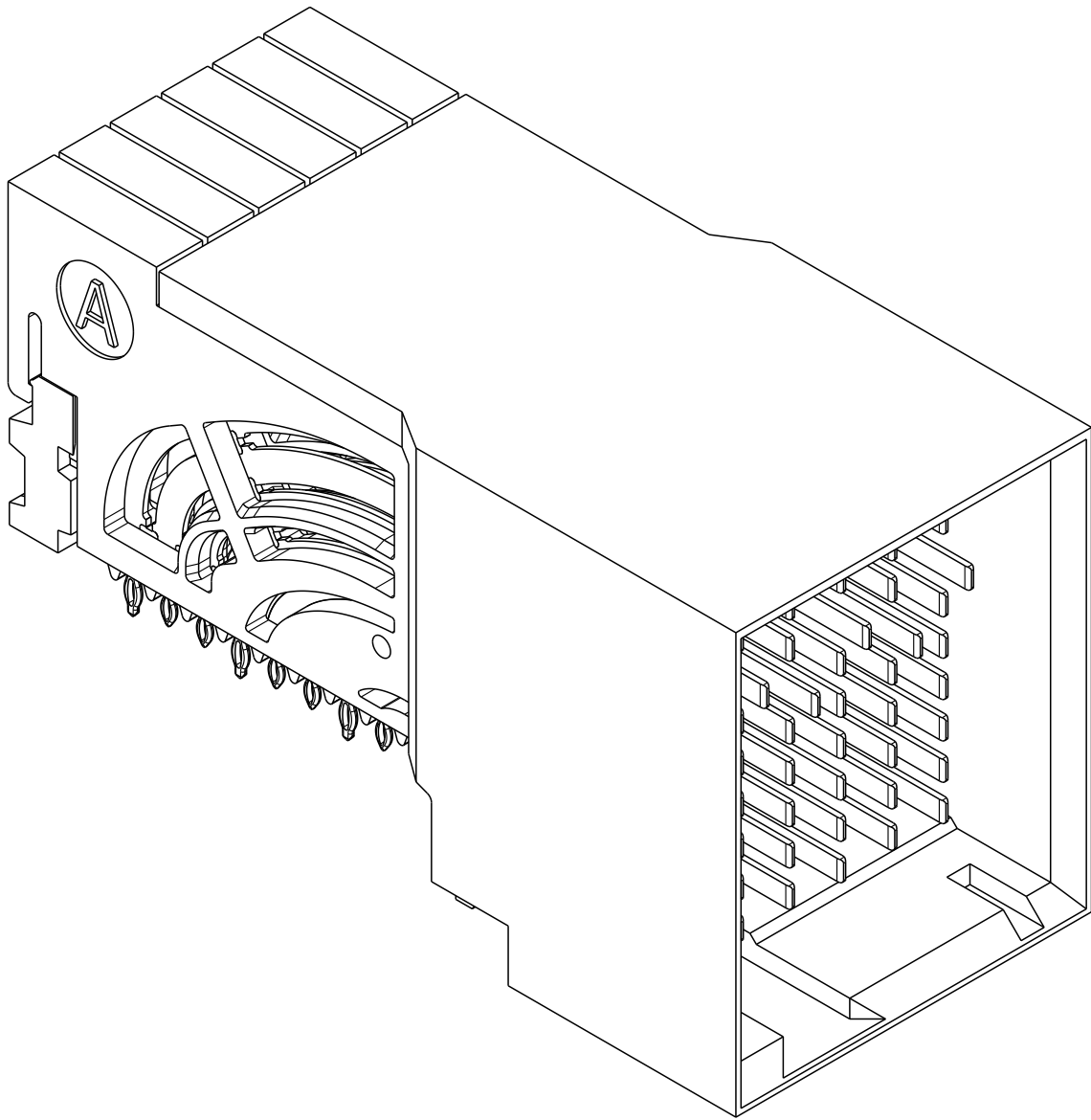
RECOMMENDED PCB LAYOUT  
FOR DIFFERENTIAL APPLICATIONS  
COMPONENT SIDE  
(TWO ADJACENT FOOTPRINTS SHOWN)  
NOTES 8 & 12

SCALE 10:1

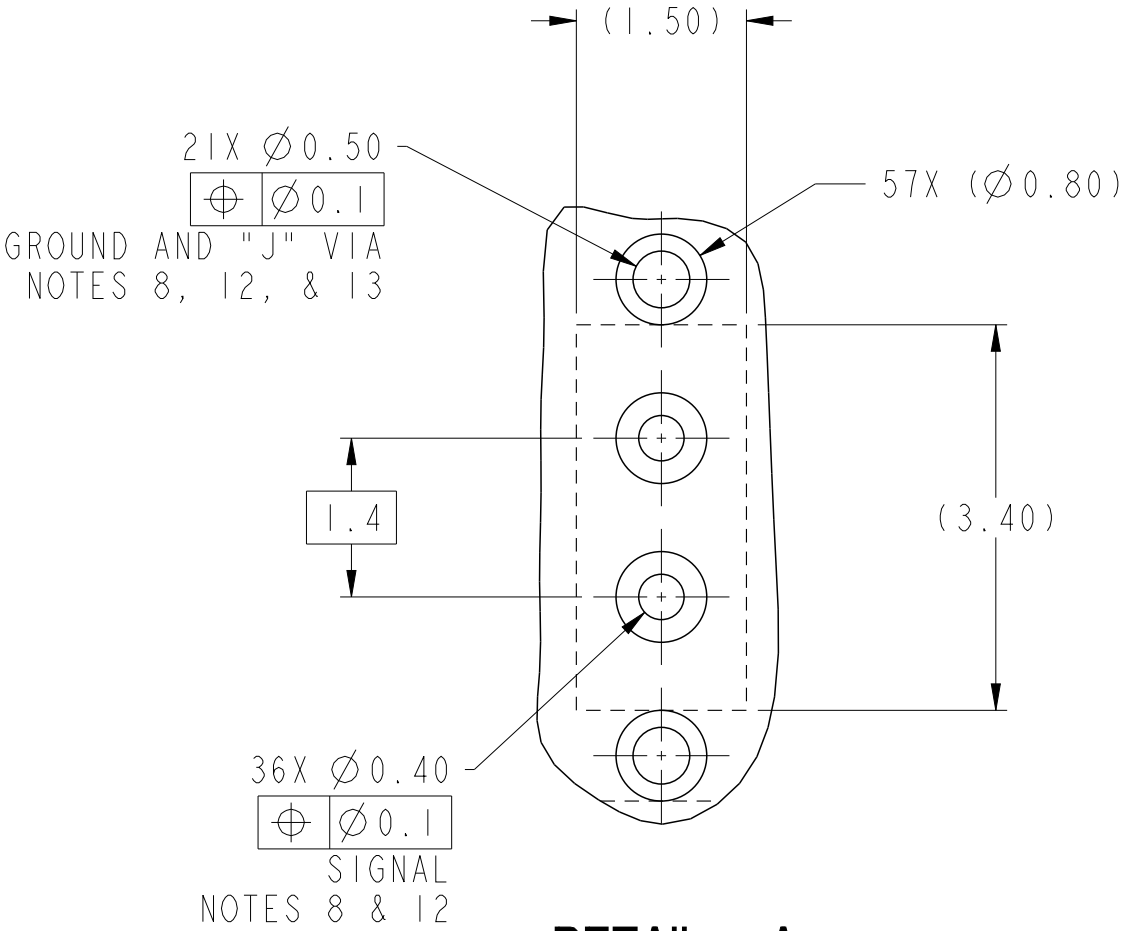
spec ref ---			dr		Mark Gray		2012/01/28		projection		MM		size		A2		scale		10:1	
tolerance std			eng		Art Lin		2016/11/16						ecn no		ELX-DG-25255-1					
ASME Y14.5M			chr		Heaven Cen		2016/11/17						rel level		Released					
			appr		Pei-Ming Zheng		2016/11/18		product family				-							
surface ✓		linear		Amphenol FCI		title AirMax VSE R.A. HEADER Ass'y, 3 Pair, 54 pos, 6 IMLA						dwg no 10119886		rev F						
		angular														0°		±2°		

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECTION CONTACT
10119886-101LF	TIN OVER NICKEL (LEAD FREE)	NO
10119886-111LF	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 (Ø0.50) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.40) FINISHED HOLES
- 13 - HESE OUTER VIAS (J) 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.
- 14 - MATING PIN E4 HAS 0.5mm LESS NOMINAL WIPE THAN THE SHORTEST PIN



10119886-101LF



DETAIL A  
SCALE 15:1

spec ref				---		dr		Mark Gray		2012/01/28		projection				size		A2		scale		10:1									
tolerance std				ASME Y14.5M		eng		Art Lin		2016/11/16						ecn no		ELX-DG-25255-1													
TOLERANCES UNLESS OTHERWISE SPECIFIED						chr		Heaven Cen		2016/11/17		product family						rel level		Released											
						appr		Pei-Ming Zheng		2016/11/18																					
surface				linear		0.X		±.3				title		AirMax VSE R.A. HEADER Ass'y, 3 Pair, 54 pos, 6 IMLA						dwg no		10119886		rev		F					
																												0.XX		±.15	
																												0.XXX		±.050	
																												angular		0°	
						cat. no.		-		Product - Customer Drw						sheet 3 of 3															