

Amphenol
FCi

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RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 6, 8, & 11

spec ref			---		dr		Johnescu, Doug		2011/10/07		projection		MM		size		A2		scale		1:1			
tolerance std			ASME Y14.5M		eng		Terry Luo		2019/04/23						ecn no		ELX-DG-33321-1							
TOLERANCES UNLESS OTHERWISE SPECIFIED			chr		-		-		-						rel level		Released							
			appr			Heaven Cen		2019/04/26		product family		AirMax VSE												
surface			- 		linear		0.X		±.3		Amphenol FCI		title		AIRMAX VSE R.A. RECEPTACLE		dwg no		10115910		rev		C	
		0.XX		±.10		ASS'Y, 3 PAIR, 54 POS, 6 IMLA, 12MM																		
		0.XXX		±.050																				
			angular		0°		±°		cat. no.		-		Product - Customer Drw		sheet 2 of 3									

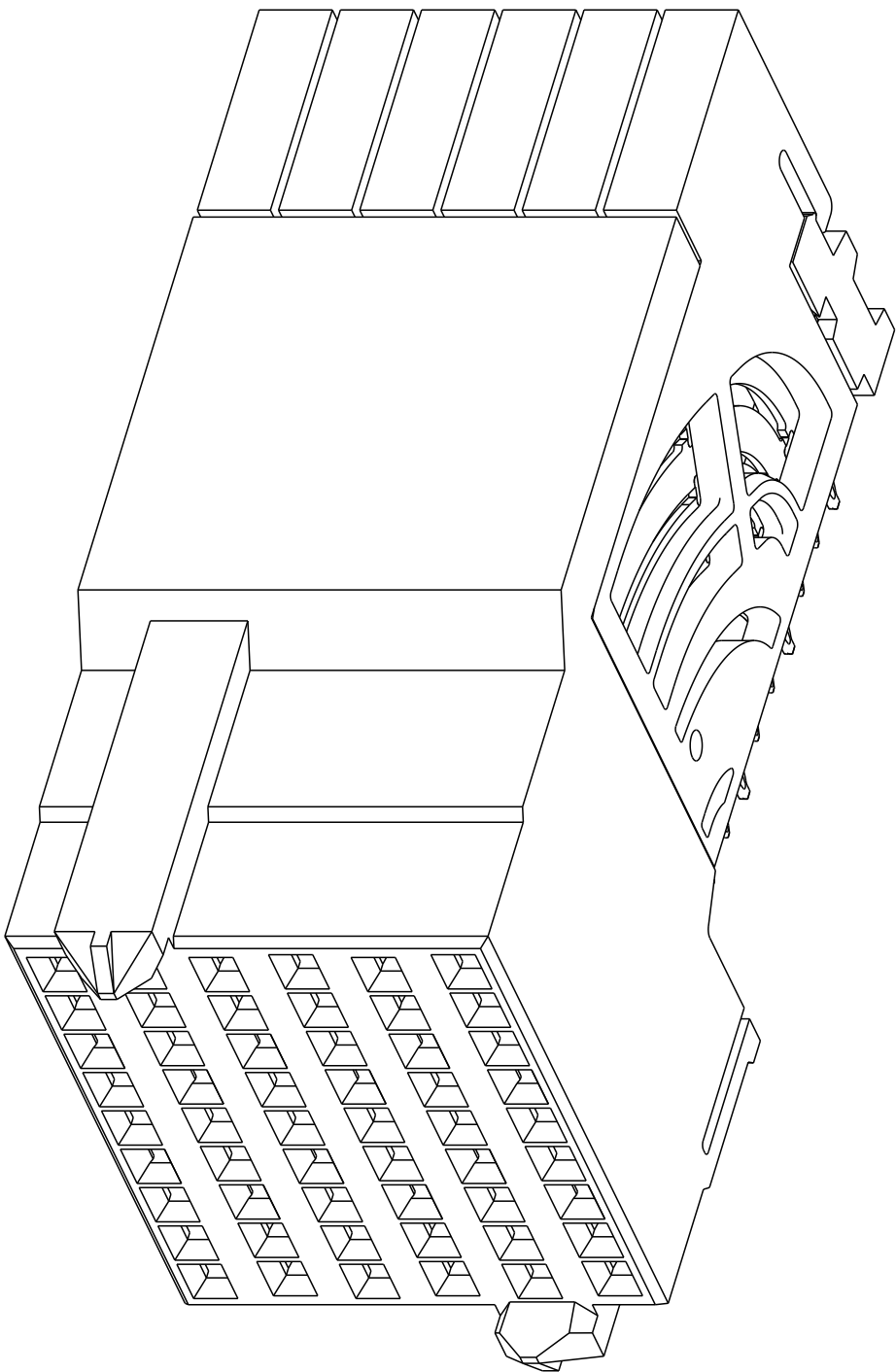
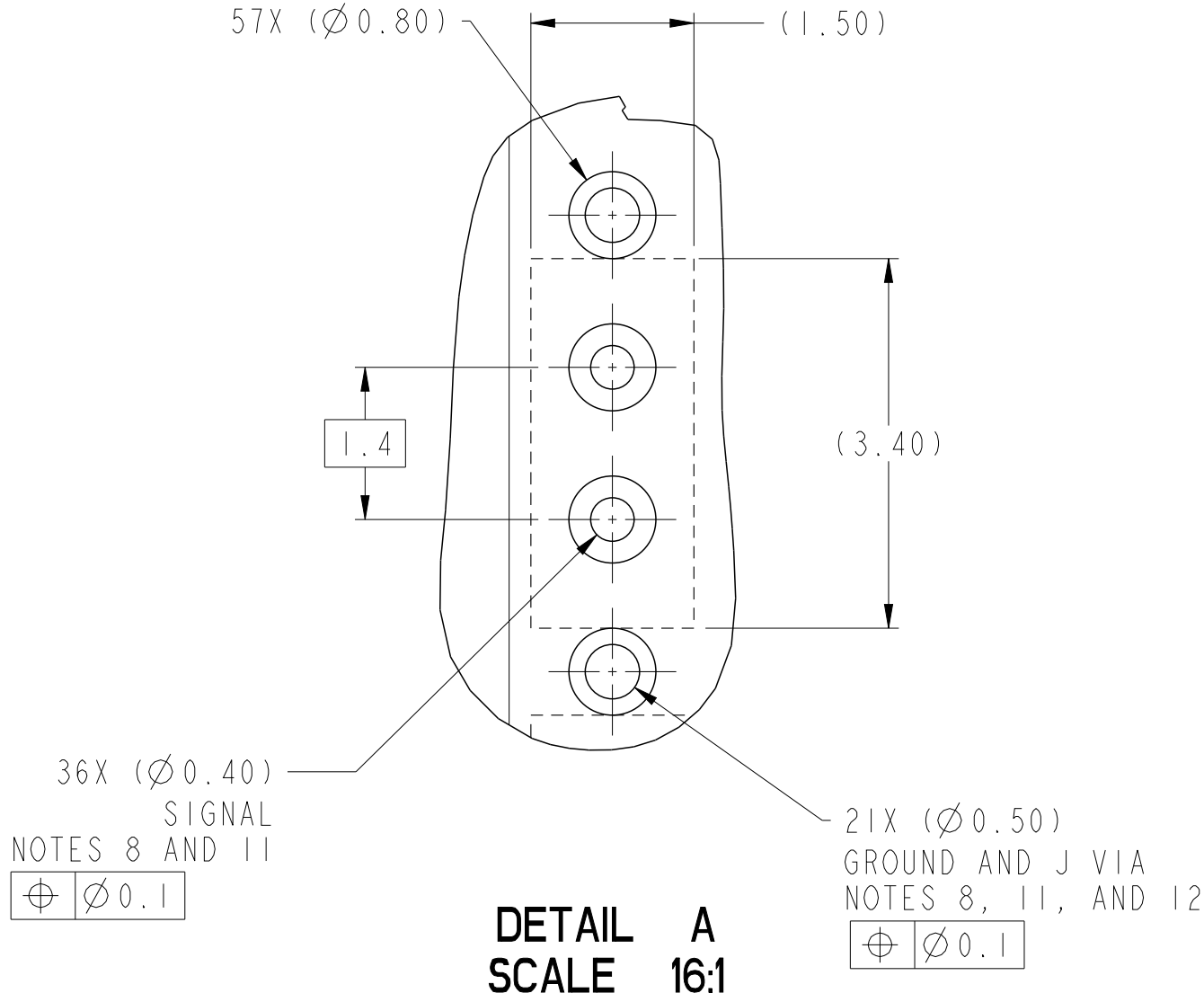
PDS: Rev :C

STATUS:Released

Printed: Apr 26, 2019

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE
10115910-101	TIN/LEAD ALLOY OVER NICKEL
10115910-101LF	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, WHITE, 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, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- 6 - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT
MODULES IS 12.0 MM.
- 7 - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO
BE USED AS A GUIDE FOR MANUAL 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, AND I IN ODD COLUMNS AND A, D, AND G,
EVEN COLUMNS) REQUIRE (Ø0.500) FINISHED HOLES. SIGNAL LOCATIONS
REQUIRE (Ø0.400) FINISHED HOLES.
- 12 - THESE 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.



10115910-101 OR -101LF

spec ref	---	dr	Johnescu, Doug	2011/1007	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5M	eng	Terry Luo	2019/04/23	chr	-	ecn no	ELX-DG-33321-1	rel level	Released
surface	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050	angular	0°	±°
Amphenol FCi	title	AIRMAX VSE R.A. RECEPTACLE	ASS'Y, 3 PAIR, 54 POS, 6 IMLA, 12MM	cat. no.	Product - Customer Drw	sheet 3 of 3	rev	C		