

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		2012/03/02		projection		MM		size		A2		scale		1:1											
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Terry Luo		2019/04/23						ecn no		ELX-DG-33321-1															
ASME Y14.5M				chr		-		-						rel level		Released															
				appr		Heaven Cen		2019/04/26		product family												AirMax VSE									
surface		- ✓		linear		0.X 0.XX 0.XXX		±.3 ±.10 ±.050		Amphenol FCi		title		AIRMAX VSE R.A. RECEPTACLE		ASS'Y, 4 PAIR, 120 POS, 10 IMLA, 20MM		dwg no		10115911		rev		C							
				angular		0°		±°						cat. no.		-		Product - Customer Drw												sheet 2 of 3	

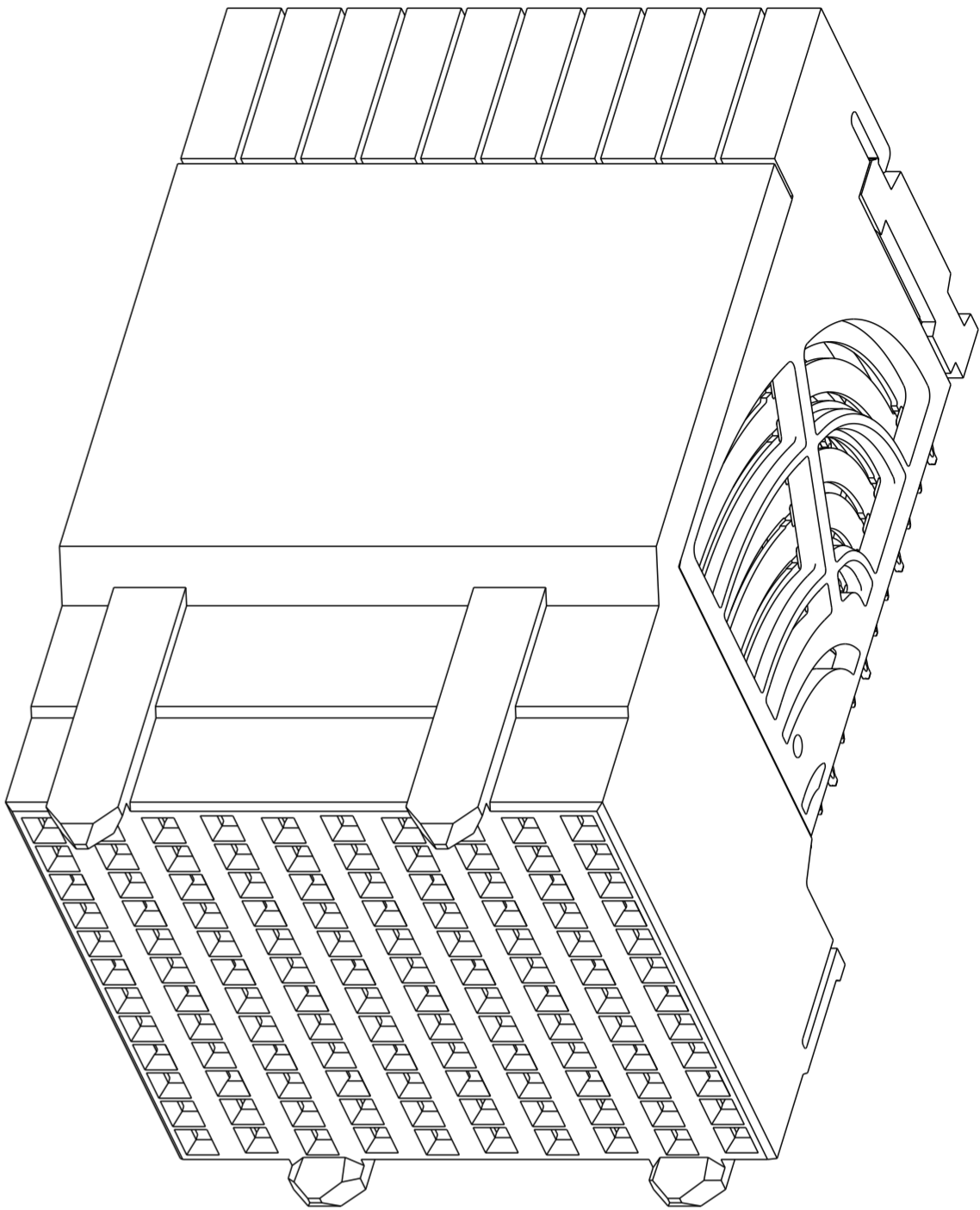
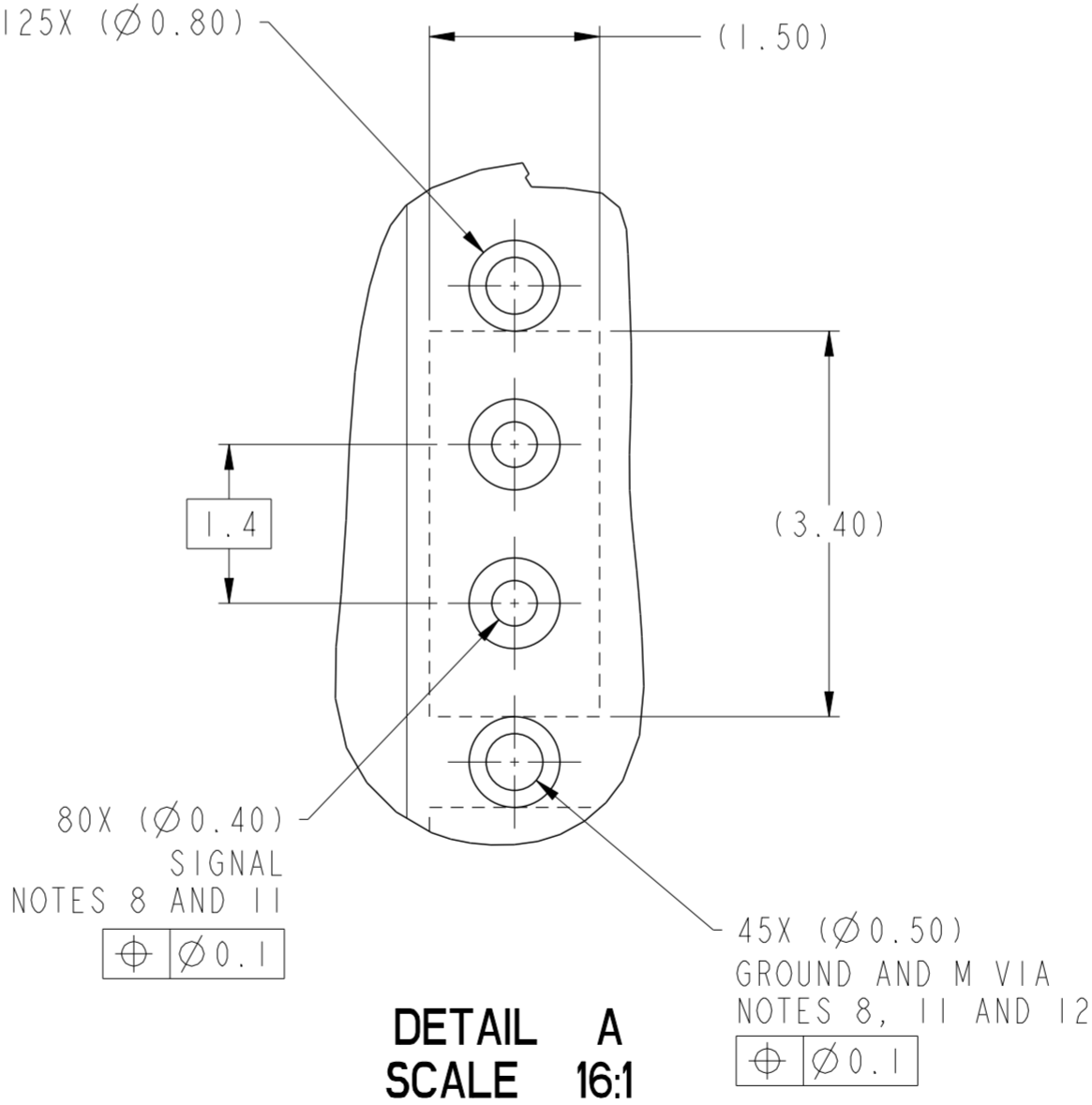
PDS: Rev :C

STATUS:Released

Printed: Apr 26, 2019

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE
10115911-101	TIN/LEAD ALLOY OVER NICKEL
10115911-101LF	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, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- 6 - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS 20.0 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,I AND L IN ODD COLUMNS AND A,D,G AND J, EVEN COLUMNS) REQUIRE (Ø0.500) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.400) FINISHED HOLES.
- 12 - THESE OUTER VIAS (M) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE. PRESSED INTO THESE HOLES, WE RECOMMEND (Ø 0.500) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB



10115911-101 OR -101LF

spec ref	---	dr	Johnescu, Doug	2012/03/02	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, 4 PAIR, 120 POS, 10 IMLA, 20MM		cat. no.		Product - Customer Drw
										sheet 3 of 3