



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

spec ref		---		dr Terry Luo		2019/11/13		projection		MM		size A2		scale 1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Terry Luo		2020/09/04						ecn no		ELX-DG-38252-1	
ASME Y14.5M				chr -		-						rel level		Released	
appr Heaven Cen				2020/09/17		product family						AirMax VSE			
surface -		linear		Amphenol FCI		title AIRMAX VSE R.A. RECEPTACLE		dwg no 10155260		rev B					
		0.X ±.3										4 PAIR 96 POS 2MM 8 COL, GXT+			
		0.XX ±.10													
		0.XXX ±.050		cat. no.		-		Product - Customer Drw		sheet 2 of 3					
		angular 0° ±°													

PRODUCT NUMBER

PRESS-FIT TAIL PLATING TYPE

10155260-101

TIN/LEAD ALLOY OVER NICKEL

10155260-101LF

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

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- 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

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- PRODUCT SPECIFICATION: GS-12-0956

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- APPLICATION SPECIFICATION: GS-20-0305.

5

- PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE.

6

- THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS 16.0 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.

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- 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

(1.50)

100X Ø0.80

1.40

64X Ø0.400
SIGNAL
NOTES 8 AND 11

36X Ø0.500
GROUND AND M VIA
NOTES 8,11 AND 12

(3.40)

DETAIL A

SCALE 16:1

10155260-101 OR -101LF

spec ref		---		dr	Terry Luo	2019/11/13	projection	MM	size	A2	scale	4:1
tolerance std		ASME Y14.5M		eng	Terry Luo	2020/09/04			ecn no	ELX-DG-38252-1		
surface		linear	0.X	±.3	chr	-			product family	rel level	Released	
			0.XX	±.10	appr	Heaven Cen					2020/09/17	
		0.XXX	±.050	Amphenol FCI			title		AIRMAX VSE R.A. RECEPTACLE			
		angular	0°	±°	4 PAIR 96 POS 2MM 8 COL, GXT+			cat. no.		Product - Customer Drw		
								sheet 3 of 3				

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