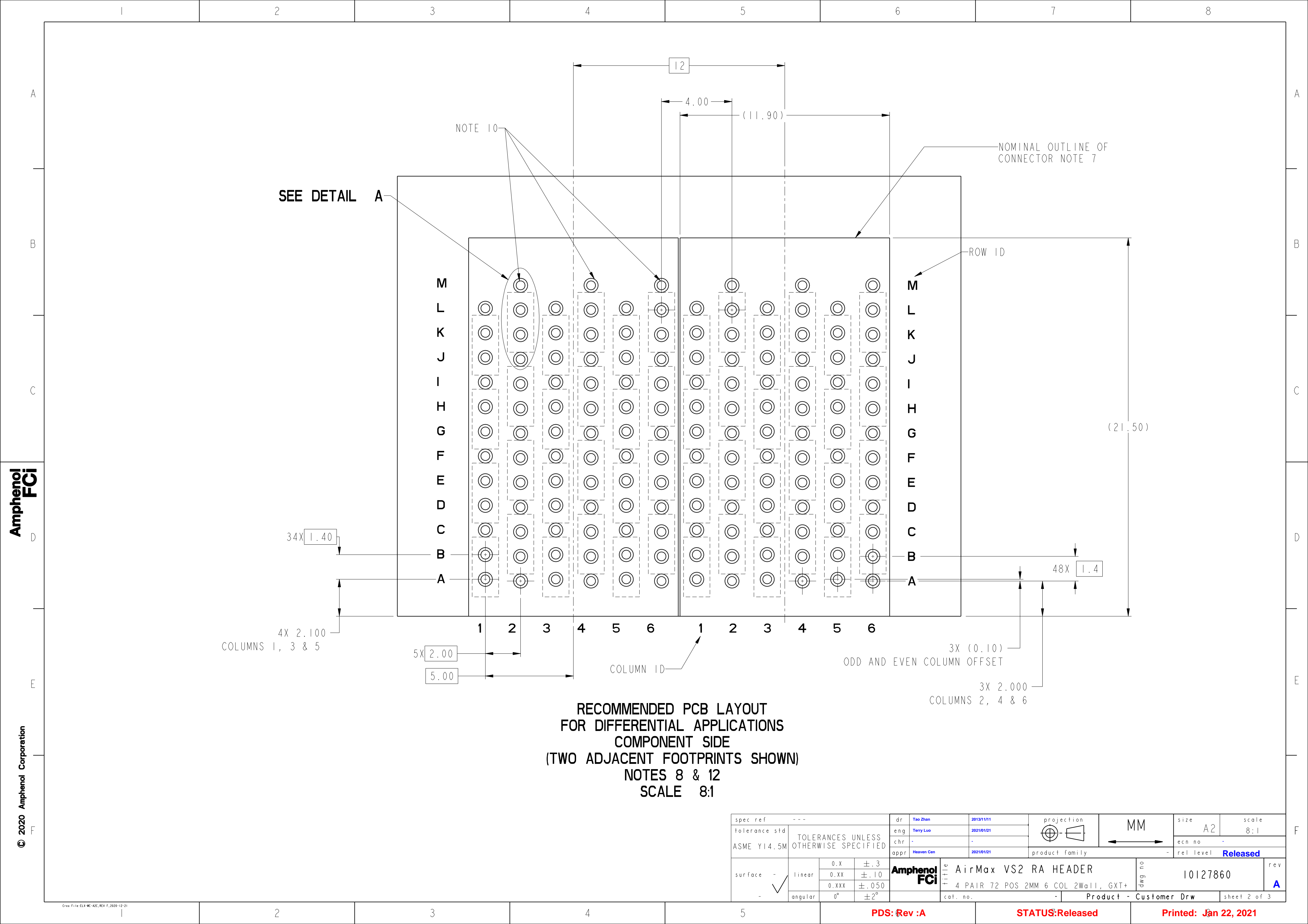


Printed: Jan 22, 2021

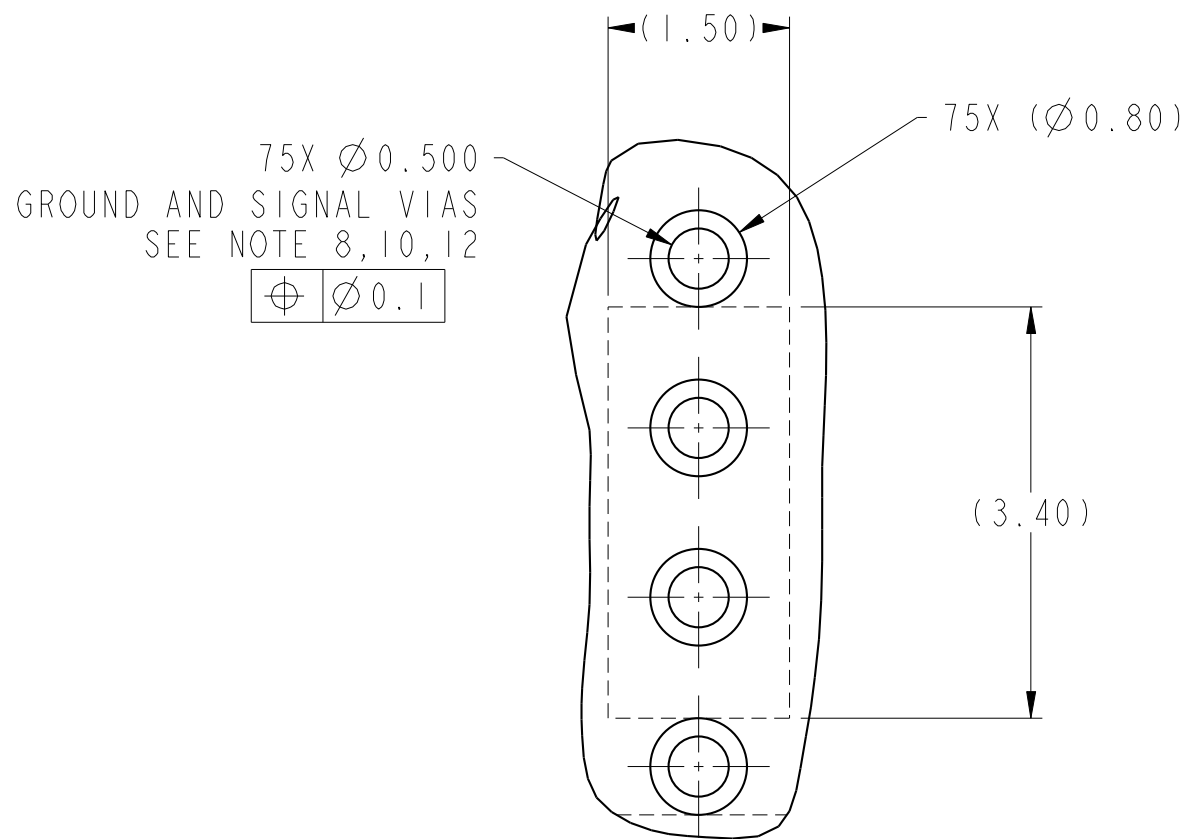


RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 8 & 12
SCALE 8:1

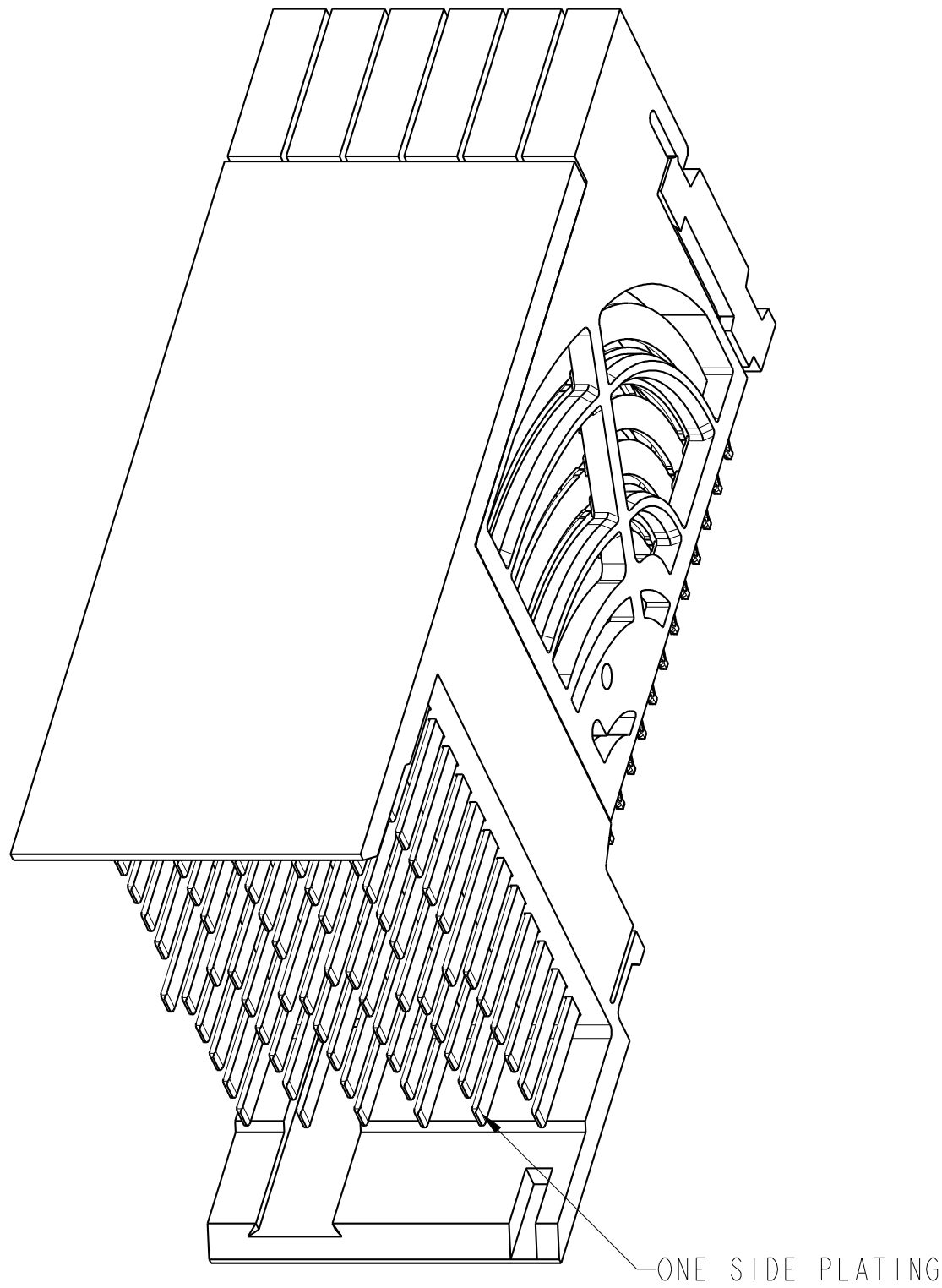
spec ref	---	dr	Tao Zhan	2013/11/11	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Terry Luo	2021/01/21	chr	-	ecn no	-	Released	
surface		appr	Heaven Cen	2021/01/21	product family		-	rel level		
		Amphenol FCI		title		AirMax VS2 RA HEADER		dwg no		rev
				4 PAIR 72 POS 2MM 6 COL 2Wall, GXT+		10127860		A		
				cat. no.		Product - Customer Drw		sheet 2 of 3		

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	REMARKS
10127860-101LF	TIN OVER NICKEL (LEAD FREE)	1-SIDE PLATING (CUSTOMER SPECIAL)
10127860-102LF	TIN OVER NICKEL (LEAD FREE)	2-SIDES PLATING

- 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 RECCOMEND (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 (Ø0.50) FINISHED HOLES
- ⑬ - THIS IS A WEAK WALL THAT CAN'T WITHSTAND THE IMPACT FORCE MORE THAN 10N



DETAIL A
SCALE 16:1



10127860-101LF

spec ref	---	dr	Tao Zhan	2013/11/11	projection	MM	size	A2	scale	10:1
tolerance std	ASME Y14.5M	eng	Terry Luo	2021/01/21	chr	-	ecn no	-		
		appr	Heaven Cen	2021/01/21	product family	-	rel level	Released		
surface	-	linear	0.X	±.3	Amphenol FCI	title	AirMax VS2 RA HEADER	dwg no	10127860	rev
			0.XX	±.10			4 PAIR 72 POS 2MM 6 COL 2Wall, GXT+			A
			0.XXX	±.050						
		angular	0°	±2°						
					cat. no.	-	Product - Customer Drw	sheet 3 of 3		