

Amphoe FCI

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SEE DETAIL

NOTE

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NOMINAL OUTLINE OF
CONNECTOR NOTE 6

(25, 70)

The diagram shows a 10x10 grid of circles, each containing a smaller circle. The grid is divided into 10 vertical columns and 10 horizontal rows. Dashed lines are drawn to group the circles into several regions: a 3x3 block in the center (rows 4-6, columns 3-5), a 2x2 block in the top-left (rows 1-2, columns 1-2), and a 2x2 block in the top-right (rows 1-2, columns 8-9). Arrows point to specific circles: one to the top circle in the top-left 2x2 block, one to the top circle in the central 3x3 block, and one to the top circle in the top-right 2x2 block. The bottom row of circles is labeled with numbers 1 through 7 from left to right.

A 14x7 grid of circles. The grid is divided into 7 vertical columns by dashed lines. The first, third, fifth, and seventh columns each contain a circle with a cross inside at the bottom row. The seventh column also contains a circle with a plus sign inside at the bottom-right corner. All other circles are empty.

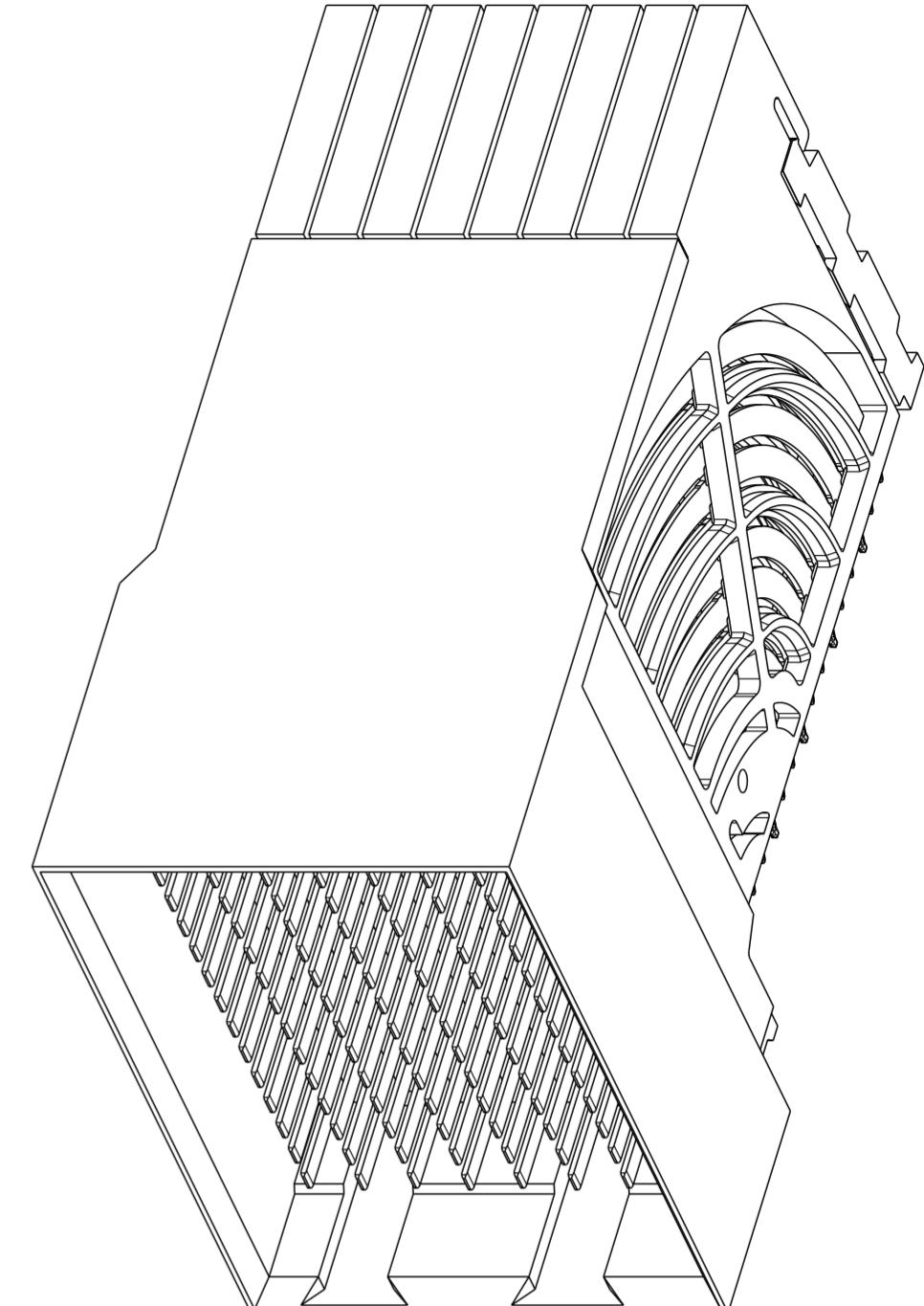
Technical drawing showing a vertical scale with horizontal reference lines. The vertical line is labeled with the following characters from top to bottom: P, O, N, M, L, K, J, I, H, G, F, E, D, C, B, A. At the bottom, it is marked $4X (0,10)$. At the top, it is marked $60X$ and 1.4 in a box. Arrows indicate specific measurements: one arrow points down from the $60X$ mark to the A line, and another arrow points up from the 1.4 box to the B line. There are also two small arrows pointing up from the A line to the B line.

**RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 7 & 10
SCALE 8:1**

spec ref	---			dr	Terry Luo	2019/03/05			size	A2	scale	8:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5M			eng	Terry Luo	2019/05/08			ecn no	-	rel level	Preliminary	
chr				-	-	-			cat. no.	-	product family	-	
appr				-	-	-			dwg no	10150869	rev	1	
surface	-		linear	0.X	±.3	Amphenol FCi	AIRMAX VSE RA HEADER						
	-		0.XX	±.10	5 PAIR 120 POS 2MM 8 COL SMALL PRESS FIT								
	-		0.XXX	±.050									
	-		angular	0°	±2°								
							cat. no.	-	Product	-	Customer Drw	sheet 2 of 3	

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE
10150869-101LF	TIN OVER NICKEL (LEAD FREE)

A



B

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 - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO
BE USED AS A GUIDE FOR CONNECTOR PLACEMENT.

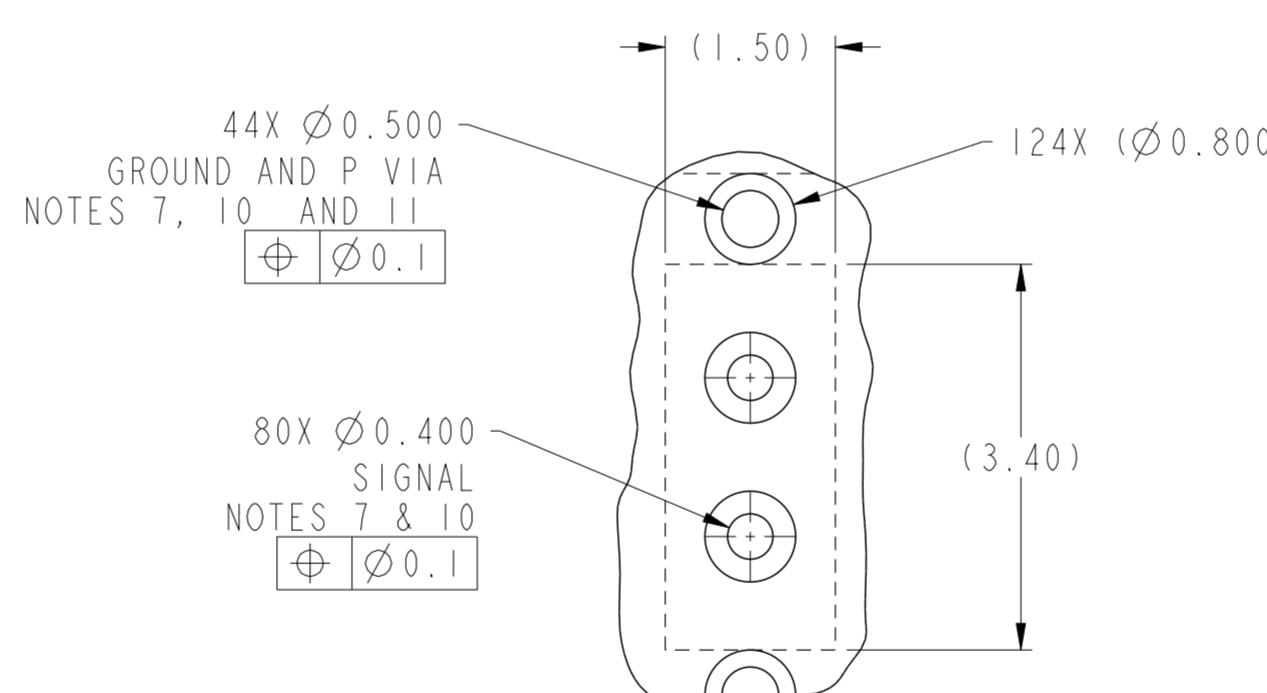
7 - REFER TO CUSTOMER DRAWING 10104444 FOR INFORMATION
ON PCB HOLE DIAMETERS AND PLATING OPTIONS

8 - LEAD FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES &
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008

9 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING
SPECIFICATION.

10 - GROUND CONTACTS (C, F, I, L, & O IN ODD COLUMNS AND
A, D, G, J, & M IN EVEN COLUMNS) REQUIRE ($\phi 0.500$) FINISHED HOLES.
SIGNAL LOCATIONS REQUIRE ($\phi 0.400$) FINISHED HOLES

11 - THESE OUTER VIAS (P) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE
PRESSED INTO THESE HOLES WE RECOMMEND ($\phi 0.500$) FINISHED HOLES
AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.



10150869-101LF

DETAIL A
SCALE 15:1

spec ref	---	dr	Terry Luo	2019/03/05	projection	MM	size	A2	scale
tolerance std	TOLERANCES UNLESS ASME Y14.5M OTHERWISE SPECIFIED	eng	Terry Luo	2019/05/08	chr	-	ecn no	-	8:1
surface	linear	0.X	$\pm .3$	oppr	-	product family	rel level	Preliminary	rev
		0.XX	$\pm .10$						
		0.XXX	$\pm .050$						
	angular	0°	$\pm 2°$						
				cat. no.	-	Product - Customer Drw	sheet	3 of 3	
				10150869					
									1