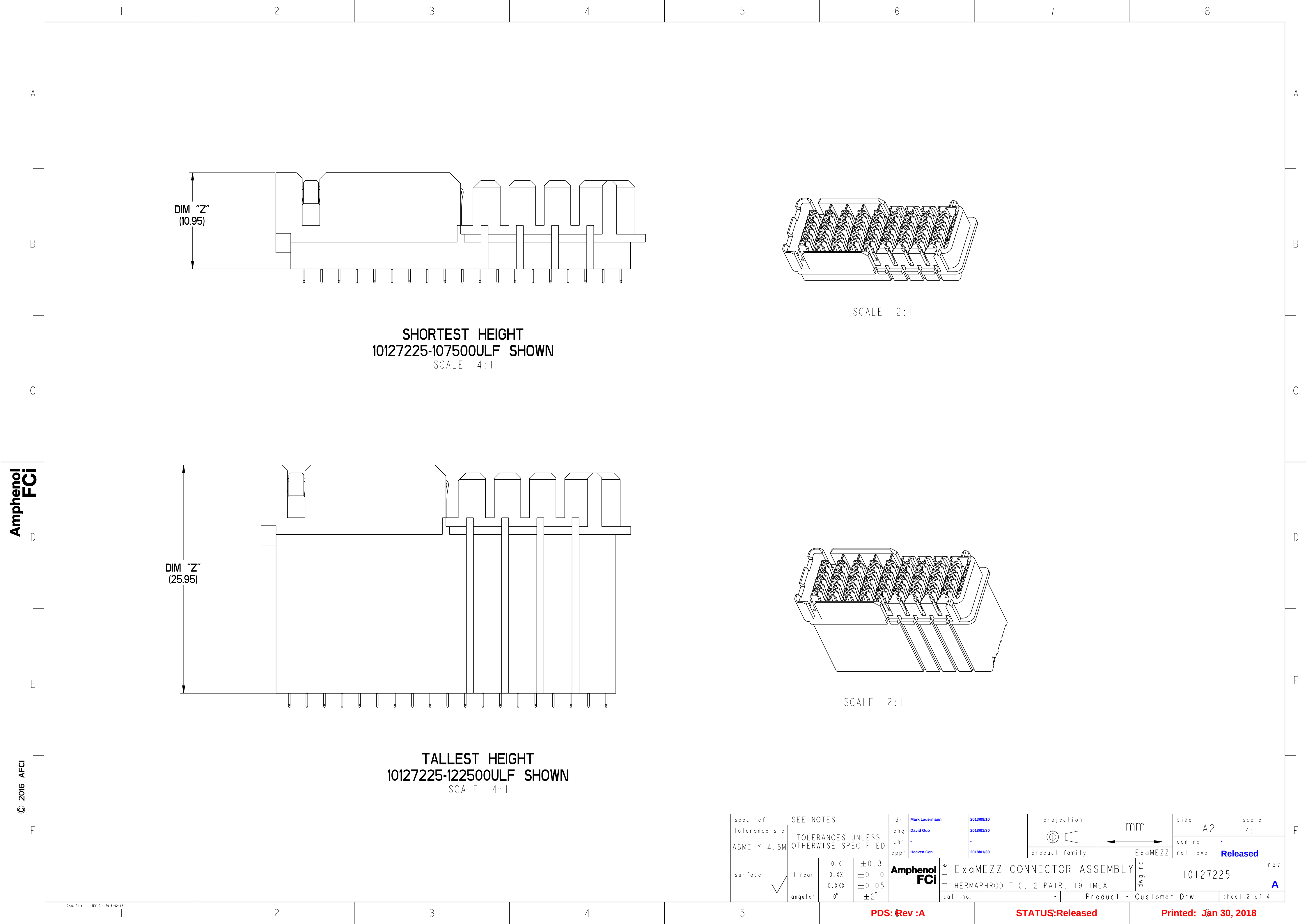




DIM "Z"
(10.95)

SHORTEST HEIGHT
10127225-107500ULF SHOWN
SCALE 4:1

SCALE 2:1

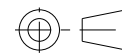
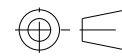
DIM "Z"
(25.95)

TALLEST HEIGHT
10127225-122500ULF SHOWN
SCALE 4:1

SCALE 2:1

Amphenol
FCI

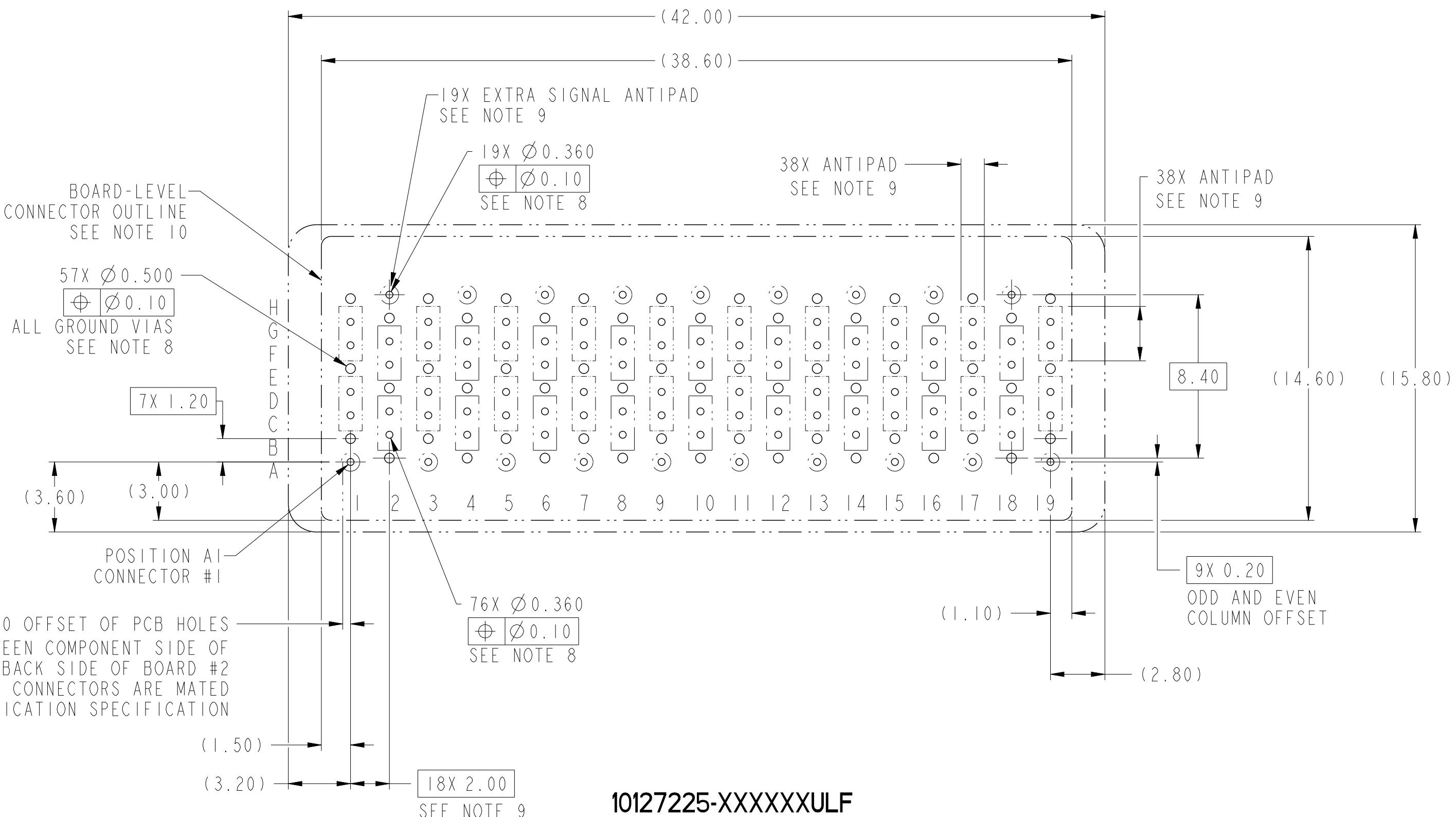
© 2016 APCI

spec ref		SEE NOTES			dr		Mark Lauermann		2013/09/10		projection				 mm		size		A2		scale		4:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		David Guo		2018/01/30						ecn no		-							
ASME Y14.5M					chr		-		-															
					appr		Heaven Cen		2018/01/30		product family		ExaMEZZ		rel level		Released							
surface 		linear		0.X		±0.3		Amphenol FCI		title		ExaMEZZ CONNECTOR ASSEMBLY HERMAPHRODITIC, 2 PAIR, 19 IMLA		dwg no		10127225		rev		A				
				0.XX		±0.10																		
				0.XXX		±0.05																		
		angular		0°		±2°																		
										cat. no.		-		Product - Customer Drw		sheet 2 of 4								

0.40 OFFSET OF PCB HOLES
BETWEEN COMPONENT SIDE OF
BOARD #1 TO BACK SIDE OF BOARD #2
WHEN CONNECTORS ARE MATED
SEE APPLICATION SPECIFICATION

BOARD-LEVEL
CONNECTOR OUTLINE
SEE NOTE 10

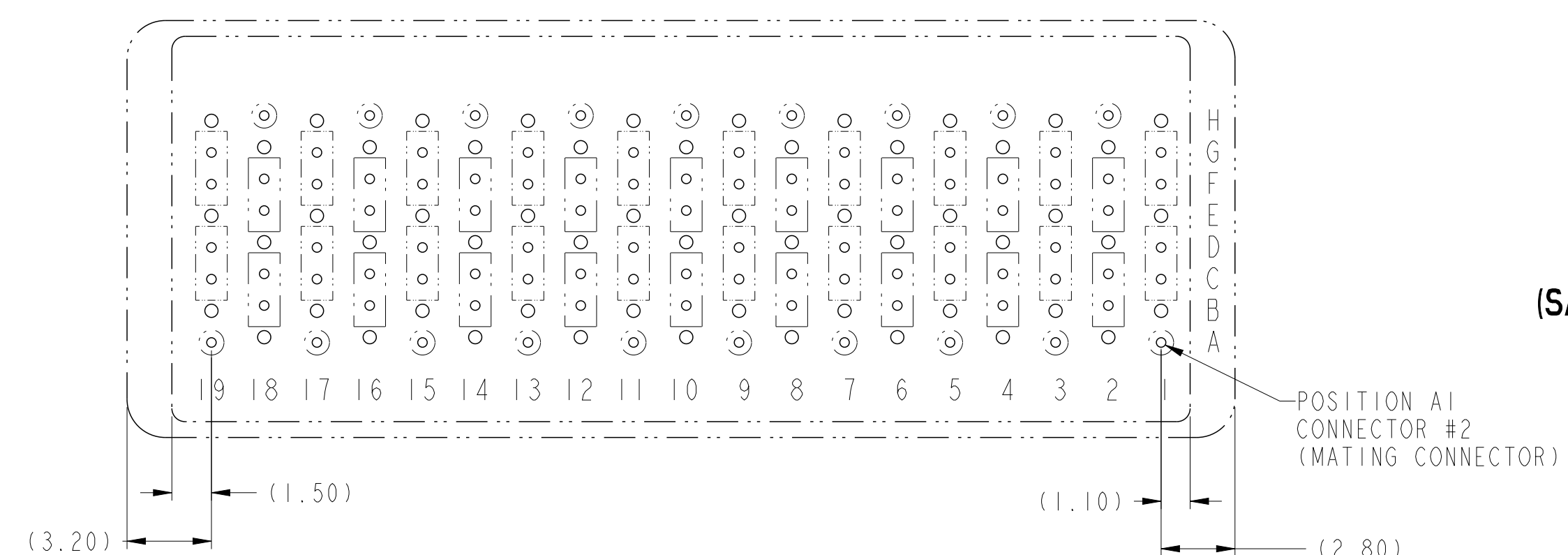
57X $\varnothing 0.500$
 $\varnothing 0.10$
FOR ALL GROUND VIAS
SEE NOTE 8



10127225-XXXXXXULF
RECOMMENDED PCB LAYOUT
SCALE 5:1

BOARD FOOTPRINT
CONNECTOR #1
COMPONENT SIDE

BOARD FOOTPRINT
CONNECTOR #2 (MATING CONNECTOR)
(SAME FOOTPRINT, DIFFERENT A1 LOCATION)
COMPONENT SIDE



spec ref	SEE NOTES	dr	Mark Lauermann	2013/09/10	projection	mm	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	David Guo	2018/01/30	chr	-	ecn no	-		
ASME Y14.5M		appr	Heaven Cen	2018/01/30	product family	ExaMEZZ	rel level	Released		
surface	linear	0.X	± 0.3	Amphenol FCi	title		ExaMEZZ CONNECTOR ASSEMBLY	dwg no	10127225	rev
		0.XX	± 0.10							
		0.XXX	± 0.05							
	angular	0°	$\pm 2^\circ$		cat. no.	-	Product - Customer Drw	sheet 3 of 4		

A

B

C

D

E

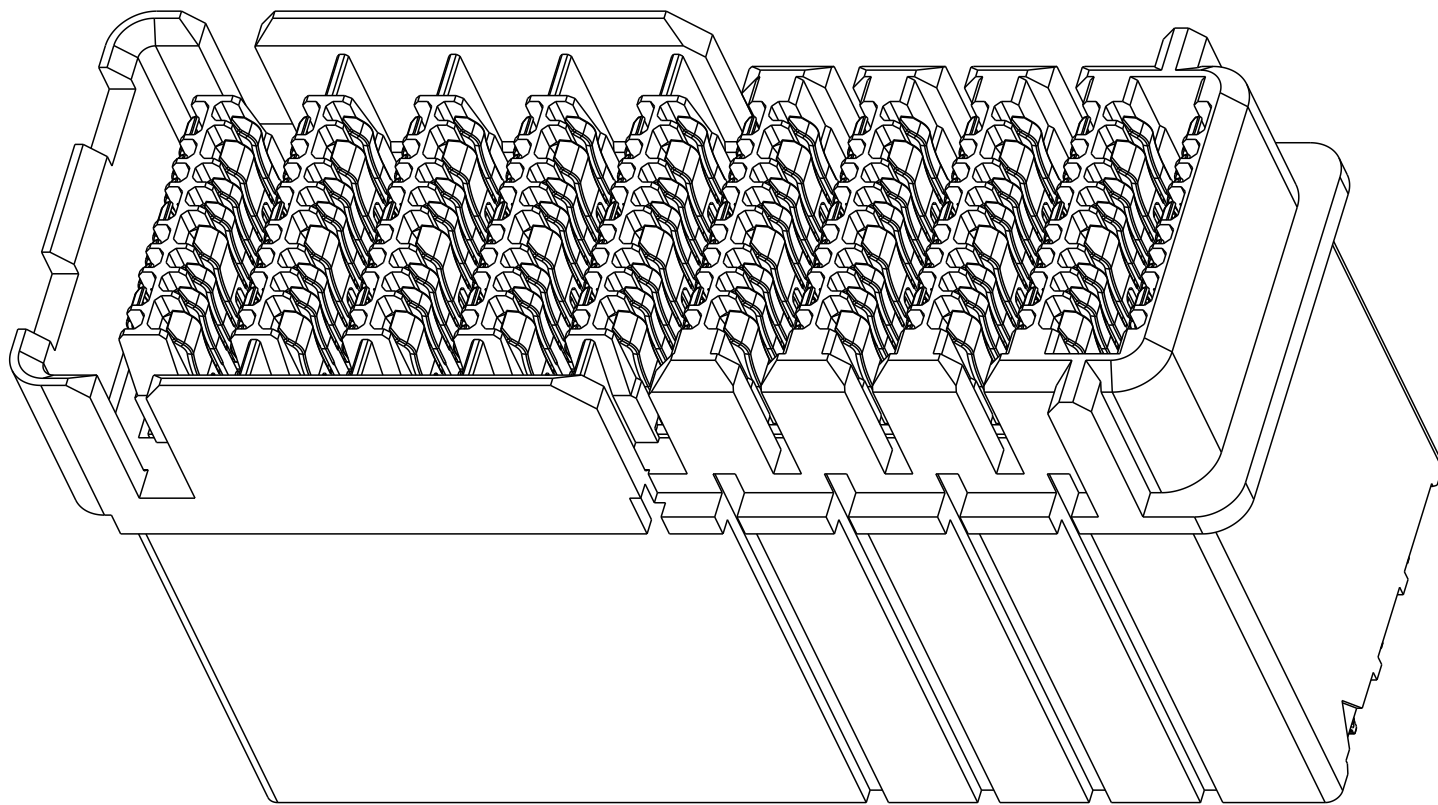
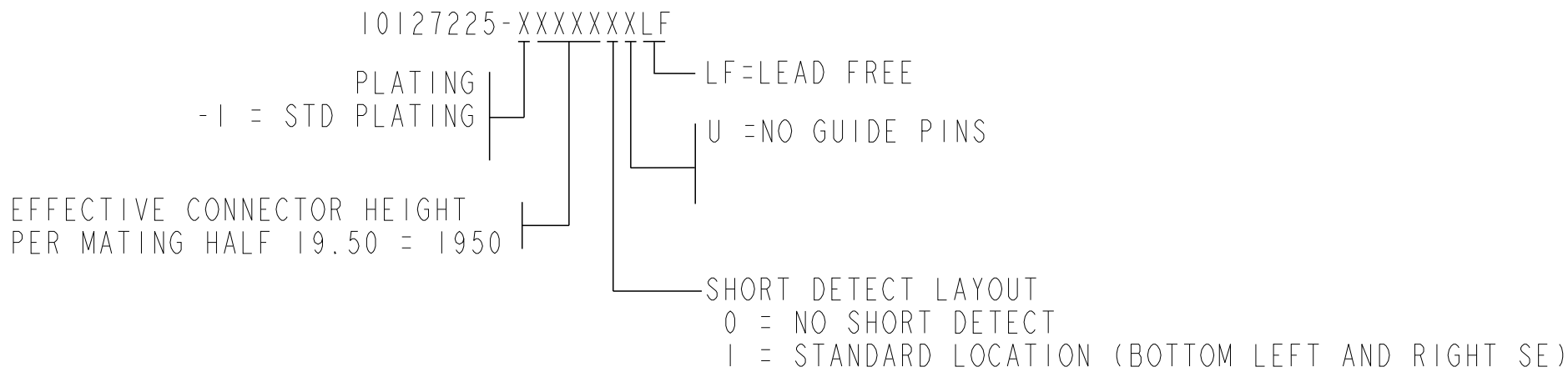
F

- 1 - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE
REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1150
INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995)
CENTRAL OFFICE TEST SEQUENCE.

PRESS-FIT TAILS:
TIN OVER NICKEL (LEAD-FREE)

- 3 - PRODUCT SPECIFICATION: GS-12-1150
- 4 - APPLICATION SPECIFICATION: GS-20-0373
- 5 - PRODUCT MARKING (PART NUMBER & LOT CODE) ON THIS SURFACE.
- 6 - LEAD FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES &
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- 7 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING
SPECIFICATION.
- 8 - REFER TO CUSTOMER DRAWING 10119933 FOR INFORMATION
ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 9 - REFER TO ROUTING GUIDE GS-20-0511 FOR RECOMMENDATIONS ON OPTIMIZATION OF FOOTPRINT
AND TRACE ROUTING LAYOUT
- 10 - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE
FOR MANUAL CONNECTOR PLACEMENT.
- 11 - PRODUCT STACK HEIGHT (7.5, 11.5, 12.5, 19.5, OR 22.5) LASER MARKED ON THIS SURFACE.
- 12 - THE SHORT DETECT CONNECTOR (WHEN MATED WITH A NON-SHORT DETECT
CONNECTOR) WILL PROVIDE CONTACTS THAT MATE 1.00mm AFTER THE REMAINDER
OF STANDARD LENGTH SIGNAL AND GROUND CONTACTS MATE. NEVER MATE A SHORT DETECT
CONNECTOR WITH ANOTHER SHORT DETECT CONNECTOR.
- 13 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260 °C PEAK TEMPERATURE FOR 10-30 SECONDS
IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- 14 - ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED

PRODUCT NUMBER	STACK HEIGHT EACH SIDE	DIM "Z"	SHORT DETECTS
10127225-107500ULF	7.5 mm	10.95	NO
10127225-107501ULF	7.5 mm	10.95	YES
10127225-111500ULF	11.5 mm	14.95	NO
10127225-111501ULF	11.5 mm	14.95	YES
10127225-112500ULF	12.5 mm	15.95	NO
10127225-112501ULF	12.5 mm	15.95	YES
10127225-119500ULF	19.5 mm	22.95	NO
10127225-119501ULF	19.5 mm	22.95	YES
10127225-122500ULF	22.5 mm	25.95	NO
10127225-122501ULF	22.5 mm	25.95	YES



spec ref		SEE NOTES				dr		Mark Lauermann		2013/09/10		projection mm		size		A2		scale		4:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		David Guo		2018/01/30				ecn no		-		rel level		Released							
ASME Y14.5M						chr		-		-		appr		Heaven Cen		2018/01/30		product family				ExaMEZZ					
surface ✓						linear		0.X		±0.3		Amphenol FCi		title		ExaMEZZ CONNECTOR ASSEMBLY								dwg no		10127225	
		0.XX		±0.10																							
		0.XXX		±0.05																							
		angular		0°		±2°		cat. no.		-																	