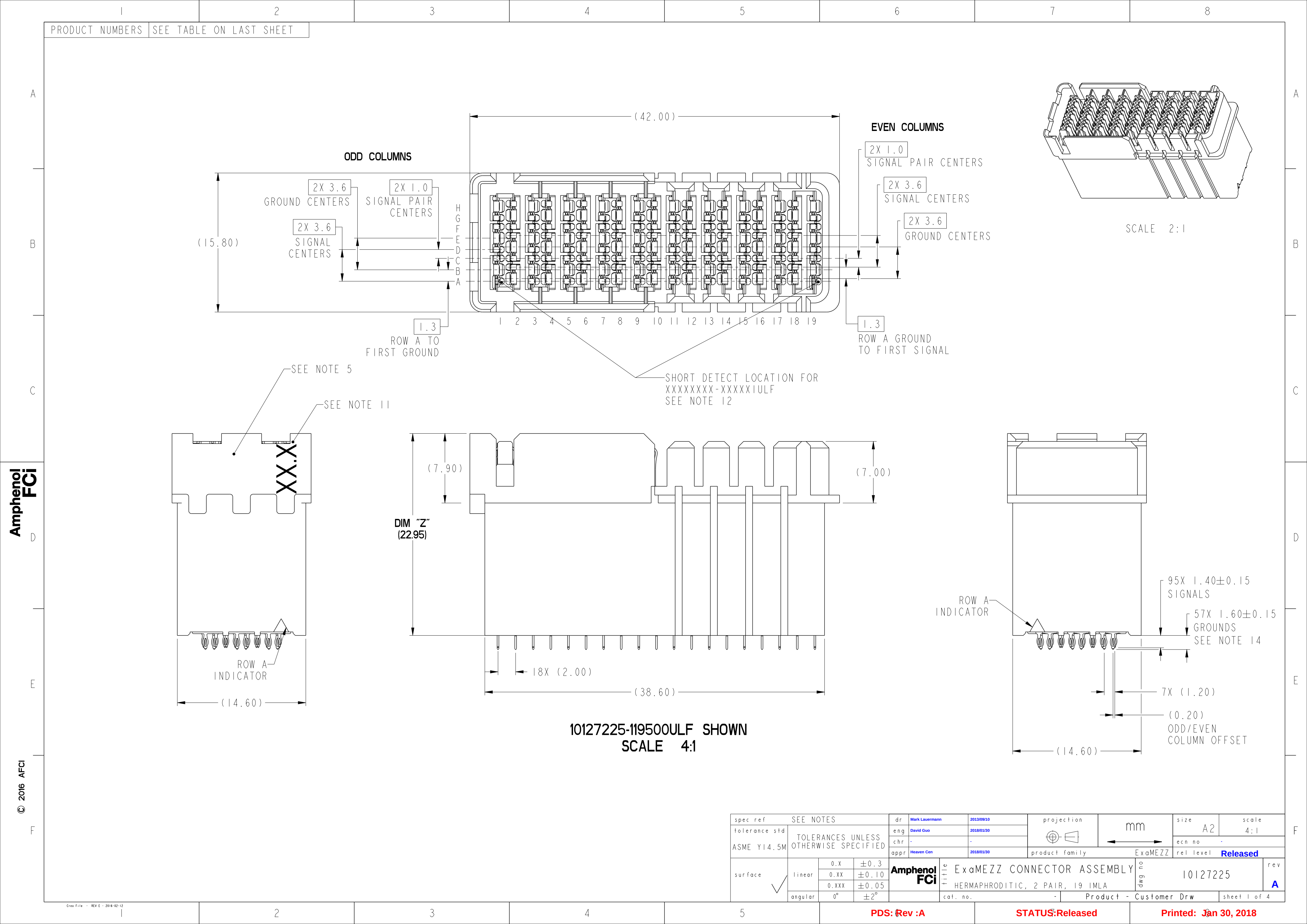




Amphenol
FCi

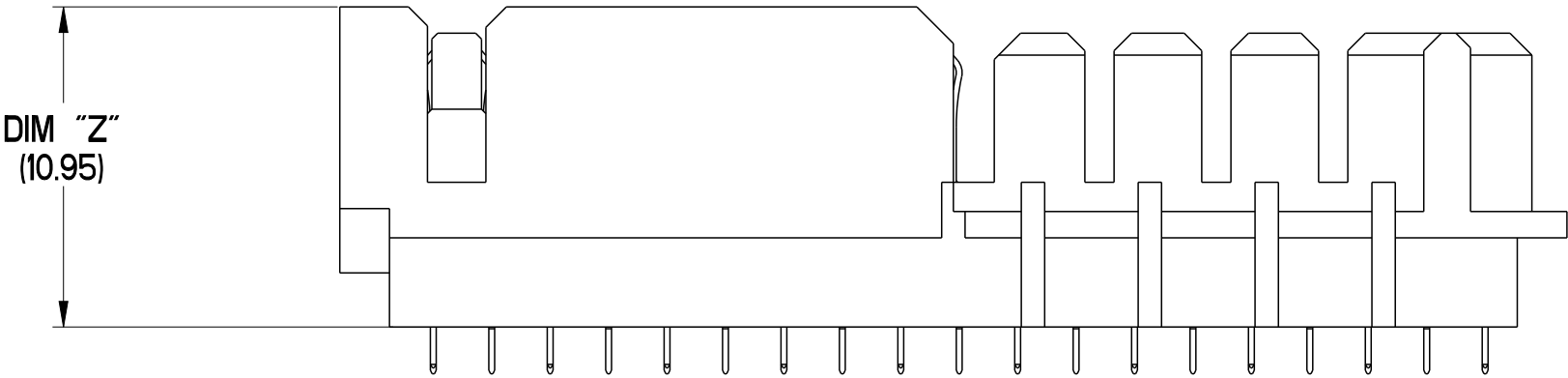
© 2016 AFci

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										dwg no		10127225		rev		A									
																																0.XX		±0.10					
																																				0.XXX		±0.05	
				cat. no.		-		Product - Customer Drw						sheet 1 of 4																									

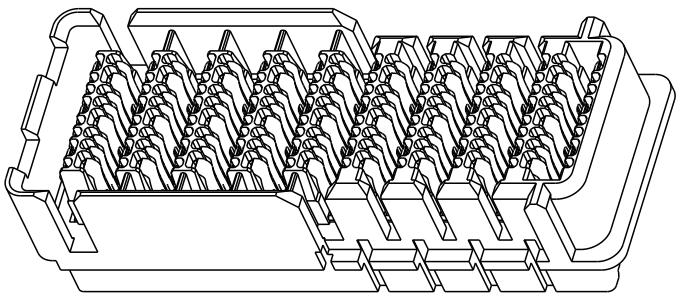
PDS: Rev :A

STATUS:Released

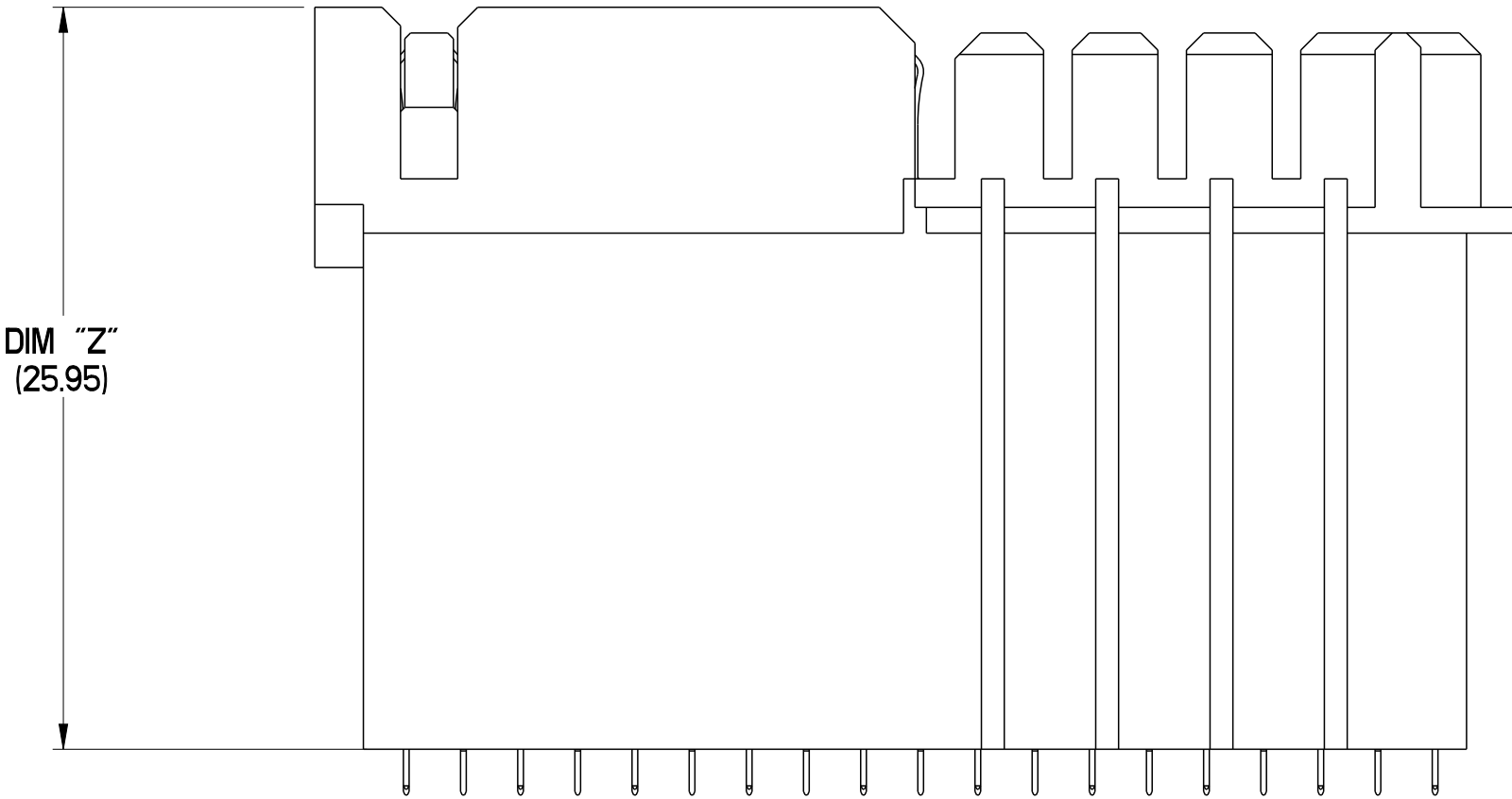
Printed: Jan 30, 2018



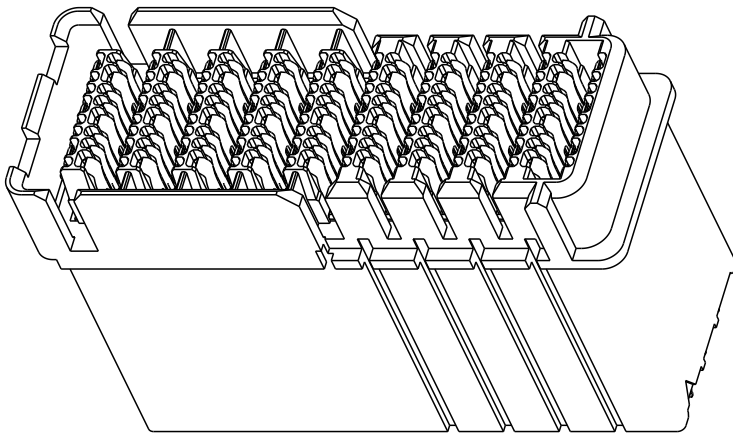
SHORTEST HEIGHT
10127225-107500ULF SHOWN
SCALE 4:1



SCALE 2:1

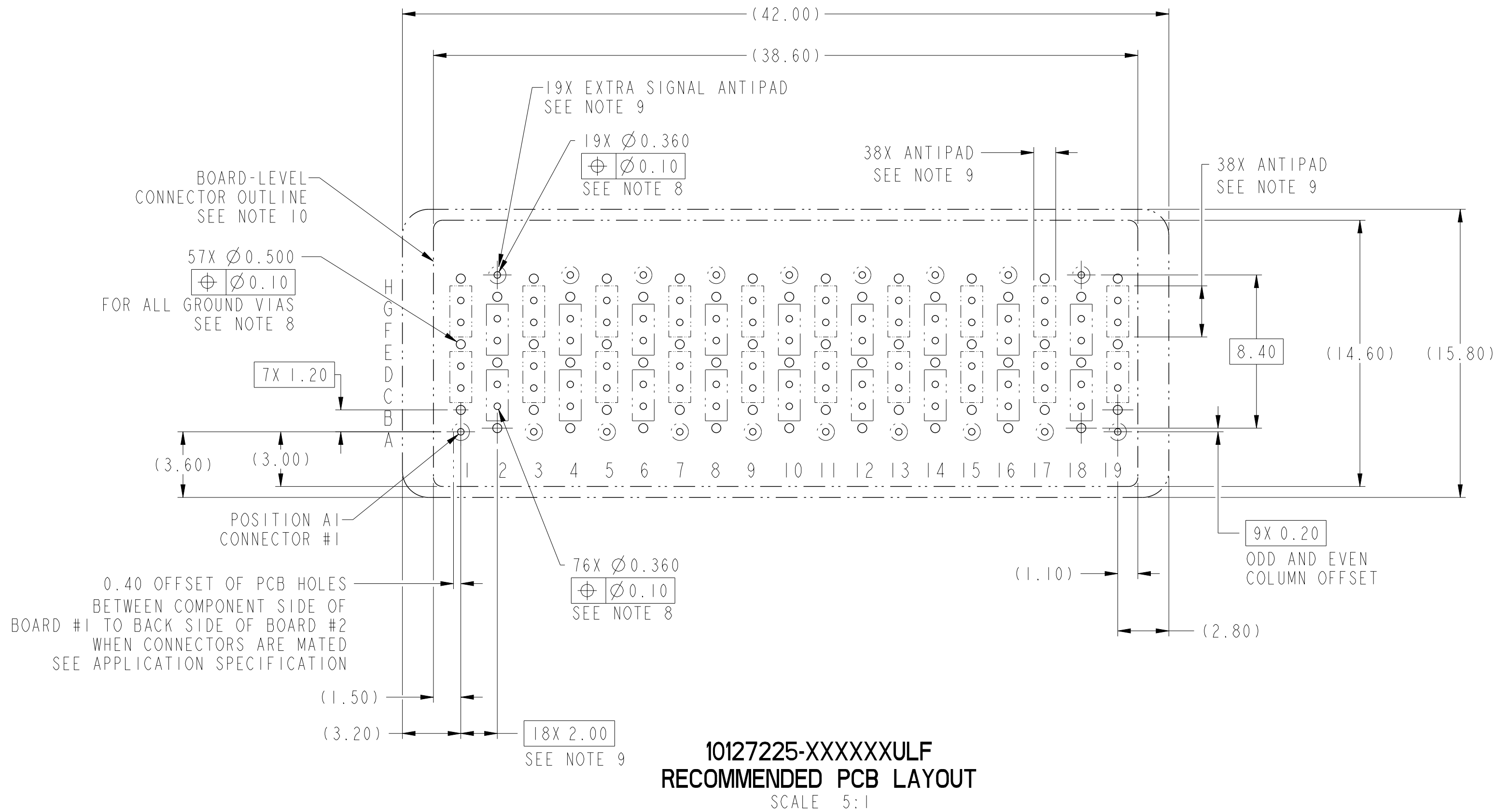


TALLEST HEIGHT
10127225-122500ULF SHOWN
SCALE 4:1

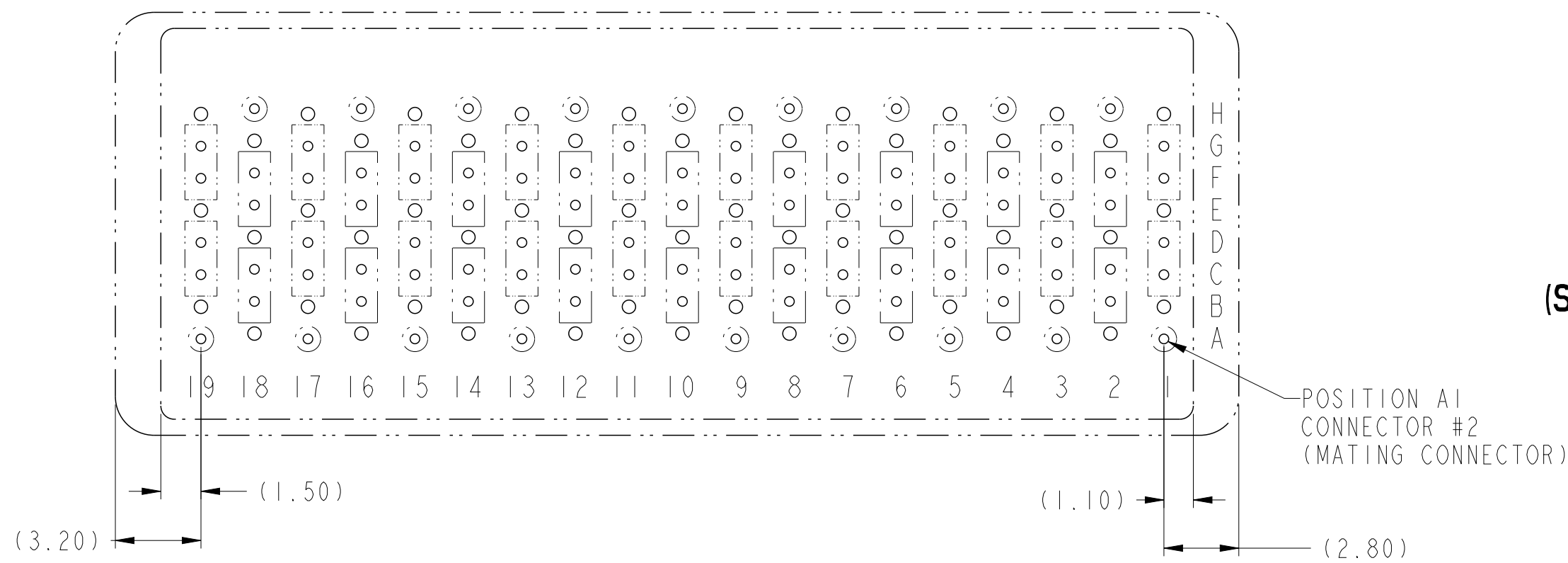


SCALE 2:1

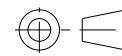
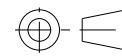
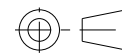
spec ref		SEE NOTES			dr		Mark Lauermann		2013/09/10		projection				mm		size		A2		scale		4:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		David Guo		2018/01/30						mm		ecn no		-						
ASME Y14.5M					chr		-		-																
					appr		Heaven Cen		2018/01/30								product family	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



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						← mm →		ecn no		-		rel level		Released	
ASME Y14.5M					chr		-		-															
surface					appr		Heaven Cen		2018/01/30								product family		ExaMEZZ					
		linear		0.X		±0.3				title		ExaMEZZ CONNECTOR ASSEMBLY		dwg no		10127225		rev		A				
		0.XX		±0.10																				
0.XXX		±0.05																						
angular		0°		±2°		cat. no.		-		Product - Customer Drw		sheet 3 of 4												

A

B

C

D

E

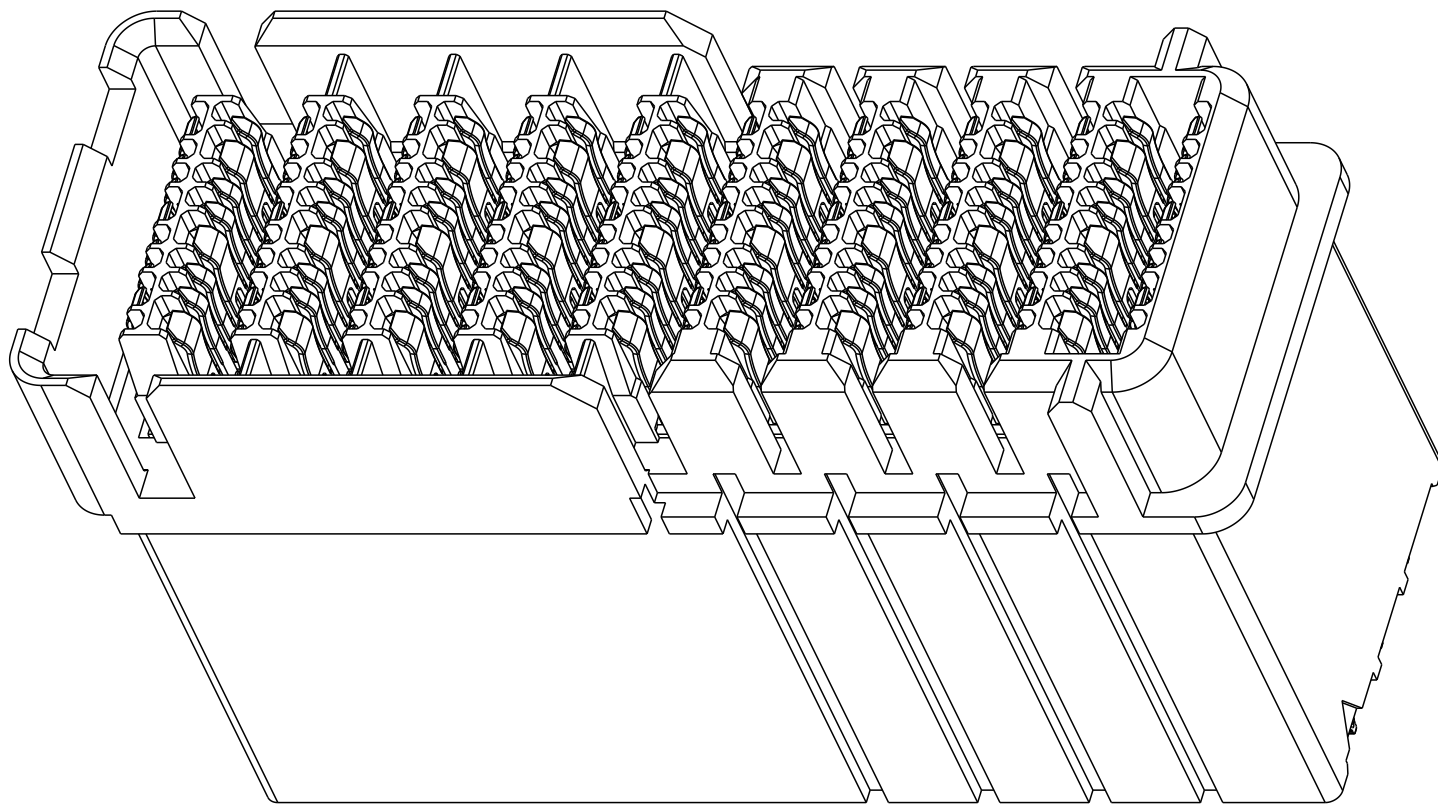
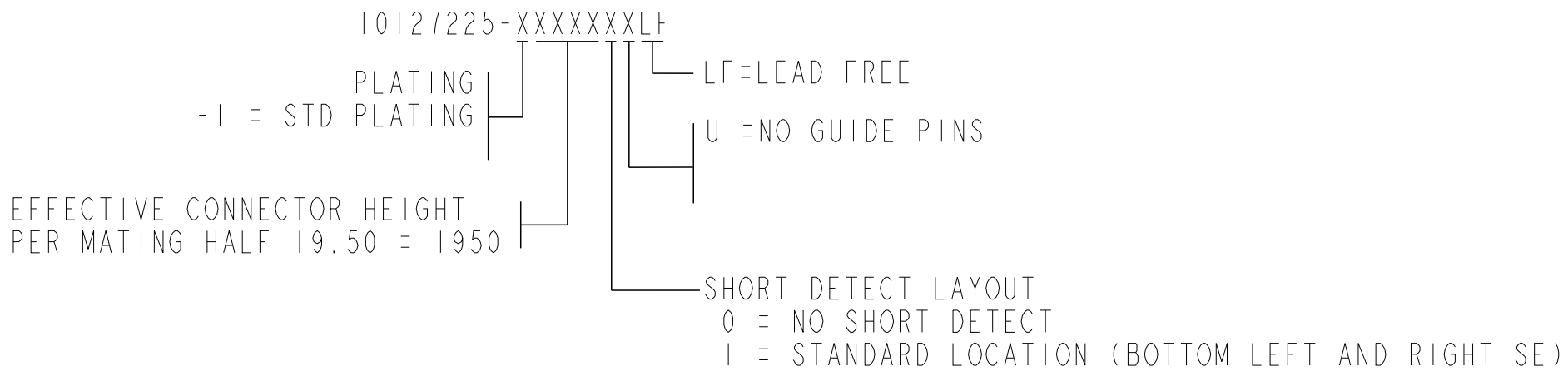
F

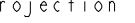
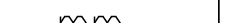
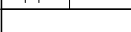
- 1 - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE
REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1150
INCLUDING 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			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
surface		linear	0.X	±0.3		title	ExaMEZZ CONNECTOR ASSEMBLY				dwg no	10127225	rev	A
			0.XX	±0.10										
			0.XXX	±0.05										
		angular	0°	±2°										