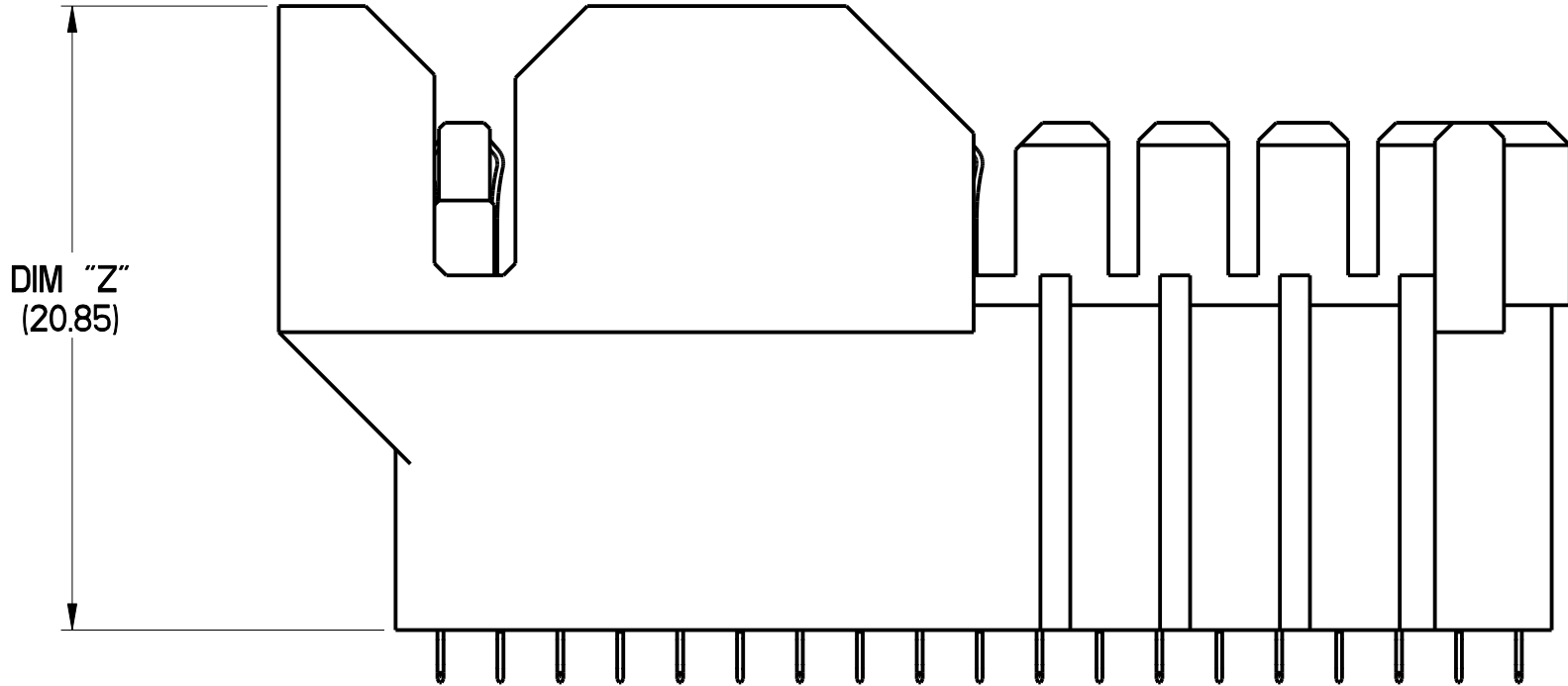


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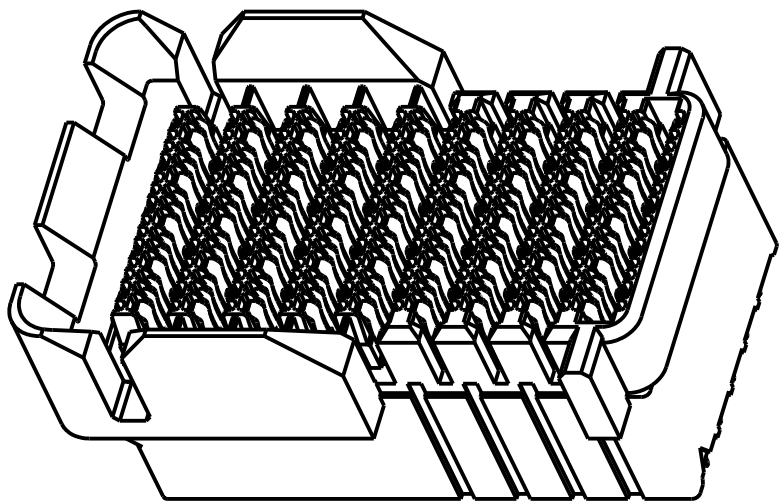
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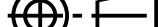



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10128492-114400ULF SHOWN  
SCALE 4:1



spec ref		SEE NOTES			dr		David Guo		2017/02/20						size		A2		scale		4:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		David Guo		2019/05/15						ecn no		-		rel level		Released		
ASME Y14.5M					chr		-		-						product family		ExaMEZZ						
ASME Y14.5M					appr		Heaven Cen		2019/05/15														
surface				linear				title		ExaMEZZ CONNECTOR ASSEMBLY		dwg no		10128492		rev		A					
																				0.X		±0.3	
																				0.XX		±0.10	
																				0.XXX		±0.05	
		angular		0°		±2°		cat. no.		-		Product - Customer Drw		sheet 2 of 4									

PDS: Rev :A

STATUS:Released

Printed: Apr 06, 2021

19X EXTRA SIGNAL ANTIPAD  
SEE NOTE 9

BOARD-LEVEL  
CONNECTOR OUTLINE  
SEE NOTE 10

EXTERIOR OUTLINE OF  
MATED CONNECTOR PAIR  
SEE NOTE 10

95X  $\varnothing 0.500$   
 $\varnothing 0.10$   
SEE NOTE 8

$\varnothing 1.600$   
 $\varnothing 0.10$   
HOLE ON PCB FOR  
POLARIZING PEG

13X 1.20

3.01 REF 2.00

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

(1.50)

2.00

(5.40)

POSITION A1 CONNECTOR #1

171X  $\varnothing 0.360$

$\varnothing 0.10$   
SEE NOTE 8

18X 2.00

SEE NOTE 9

10128492-XXXXXXLF  
RECOMMENDED PCB LAYOUT  
SCALE 5:1

76X ANTIPAD  
SEE NOTE 9

76X ANTIPAD  
SEE NOTE 9

15.60

(27.40)

(21.81)

9X 0.20

ODD AND EVEN  
COLUMN OFFSET

(1.10)

(5.00)

(5.00)

(1.10)

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

POSITION A1  
CONNECTOR #2  
(MATING CONNECTOR)

(1.50)

(5.40)

spec ref	SEE NOTES		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		
ASME Y14.5M	linear	0.X	$\pm 0.3$
ASME Y14.5M		0.XX	$\pm 0.10$
		0.XXX	$\pm 0.05$
surface	angular	0°	$\pm 2^\circ$

dr	David Guo	2017/02/20
eng	David Guo	2019/05/15
chr	-	-
appr	Heaven Cen	2019/05/15

projection	mm	size	A2	scale	2:1
product family	-	ecn no	-	rel level	Released
Amphenol FCI		ExaMEZZ CONNECTOR ASSEMBLY		dwg no	10128492
		HERMAPHRODITIC, 4 PAIR, 19 IMLA		rev	A
cat. no.		Product - Customer Drw		sheet 3 of 4	

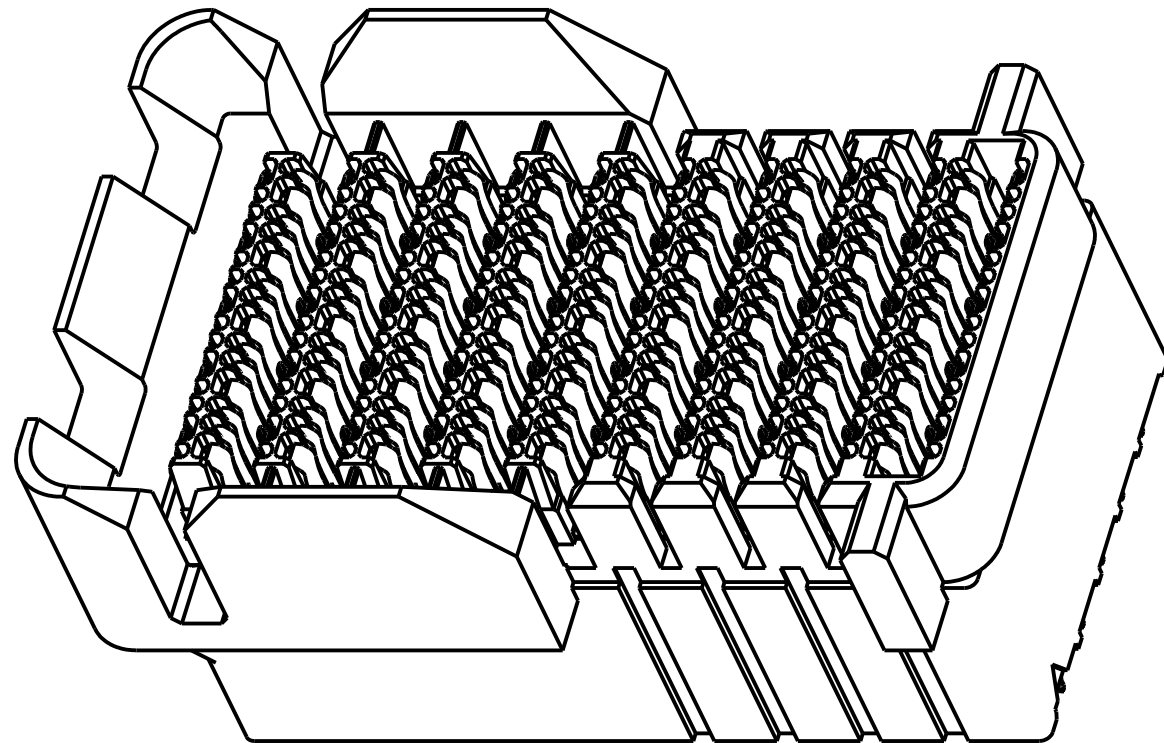
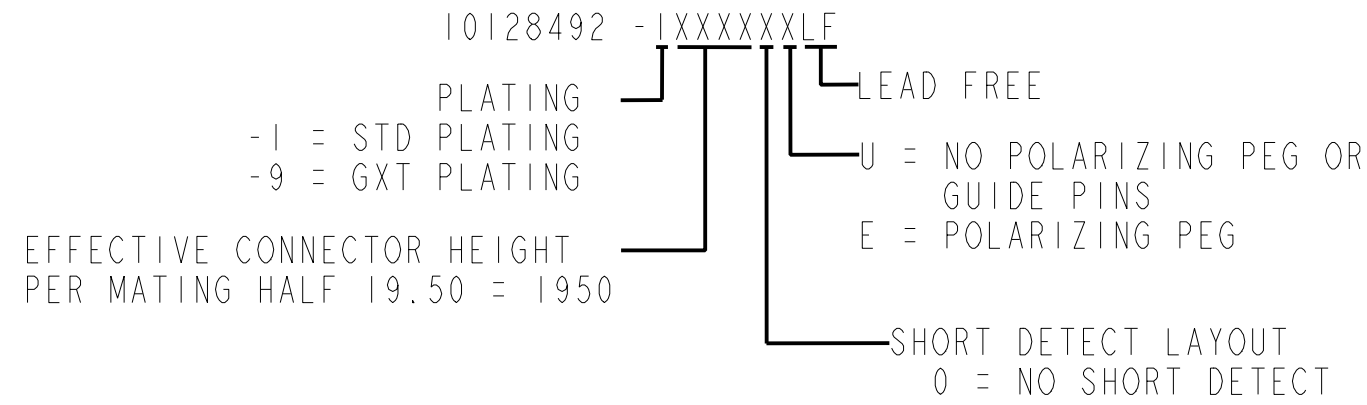
- 1 - CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
CONTACT: COPPER ALLOY
- 2 - CONTACT PLATING:  
-1XXXXXULF SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE  
REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1150  
INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995)  
CENTRAL OFFICE TEST SEQUENCE.
- 9XXXXXULF SEPARABLE INTERFACE:  
0.76  $\mu$ m [30  $\mu$ IN] GXT OVER 1.27  $\mu$ m [50  $\mu$ IN] NICKEL
- PRESS-FIT TAILS: MATTE Sn OVER Ni

- 3 - PRODUCT SPECIFICATION: GS-12-1150
- 4 - APPLICATION SPECIFICATION: GS-20-0373 WITH THE FOLLOWING EXCEPTIONS:  
SECTION 3.3, TABLE 2: CONNECTOR GUIDANCE =  $\pm$ 3.0mm IN BOTH DIRECTIONS  
SECTION 3.6, TABLE 4: CONNECTOR MATING SEQUENCE

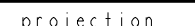



UN-MATE DISTANCE	DESCRIPTION
9.0	HOUSING KEYS START TO ALIGN
4.7	HOUSING KEYS AND SHROUDS ARE FULLY ENGAGED
3.6	STANDARD MATE CONTACTS FIRST TOUCH
2.6	SHORT DETECT MAKES CONTACT WITH STANDARD MATE
2.0	STANDARD MATE BEGIN 2 POINTS OF CONTACT
1.6	SHORT DETECT BEAM AT END OF LEAD IN
0.0	CONNECTORS MATED

- 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 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260 °C PEAK TEMPERATURE FOR 10-30 SECONDS  
IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- 12 - "AI" INDICATOR LASER MARKED IN THIS APPROXIMATE LOCATION.
- 13 - ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED.

PRODUCT NUMBER	PLATING	STACK HEIGHT EACH SIDE	DIM "Z"	SHORT DETECTS	POLARIZING PEG
10128492-119500ULF	STANDARD	19.5 mm	25.95	NO	NO
10128492-919500ULF	GXT	19.5 mm	25.95	NO	NO
10128492-114400ULF	STANDARD	14.4 mm	20.85	NO	NO
10128492-914400ULF	GXT	14.4 mm	20.85	NO	NO
10128492-107500ULF	STANDARD	7.5 mm	13.95	NO	NO
10128492-119500ELF	STANDARD	19.5 mm	25.95	NO	YES
10128492-114400ELF	STANDARD	14.4 mm	20.85	NO	YES
10128492-107500ELF	STANDARD	7.5 mm	13.95	NO	YES



SCALE 3:1  
10128492-114400ULF

spec ref		SEE NOTES		dr	David Guo	2017/02/20			size	A2	scale	4:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	David Guo	2019/05/15			ecn no	-				
ASME Y14.5M				chr	-	-			rel level	Released				
ASME Y14.5M				appr	Heaven Cen	2019/05/15	product family		ExaMEZZ					
surface		linear	0.X	±0.3		ExaMEZZ CONNECTOR ASSEMBLY					dwg no	10128492	rev	A
			0.XX	±0.10		HERMAPHRODITIC, 4 PAIR, 19 IMLA								
			0.XXX	±0.05										
		angular	0°	±2°		cat. no.	-	Product - Customer Drw				sheet 4 of 4		