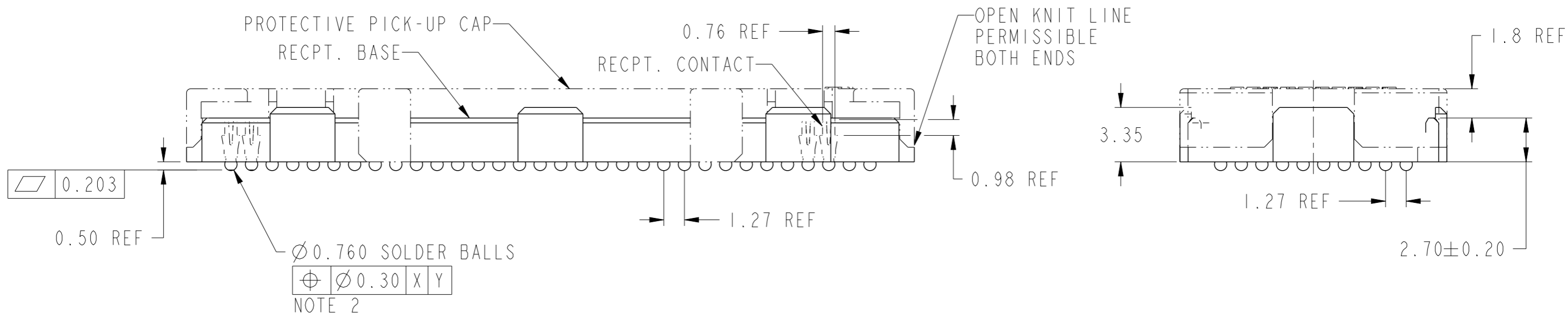
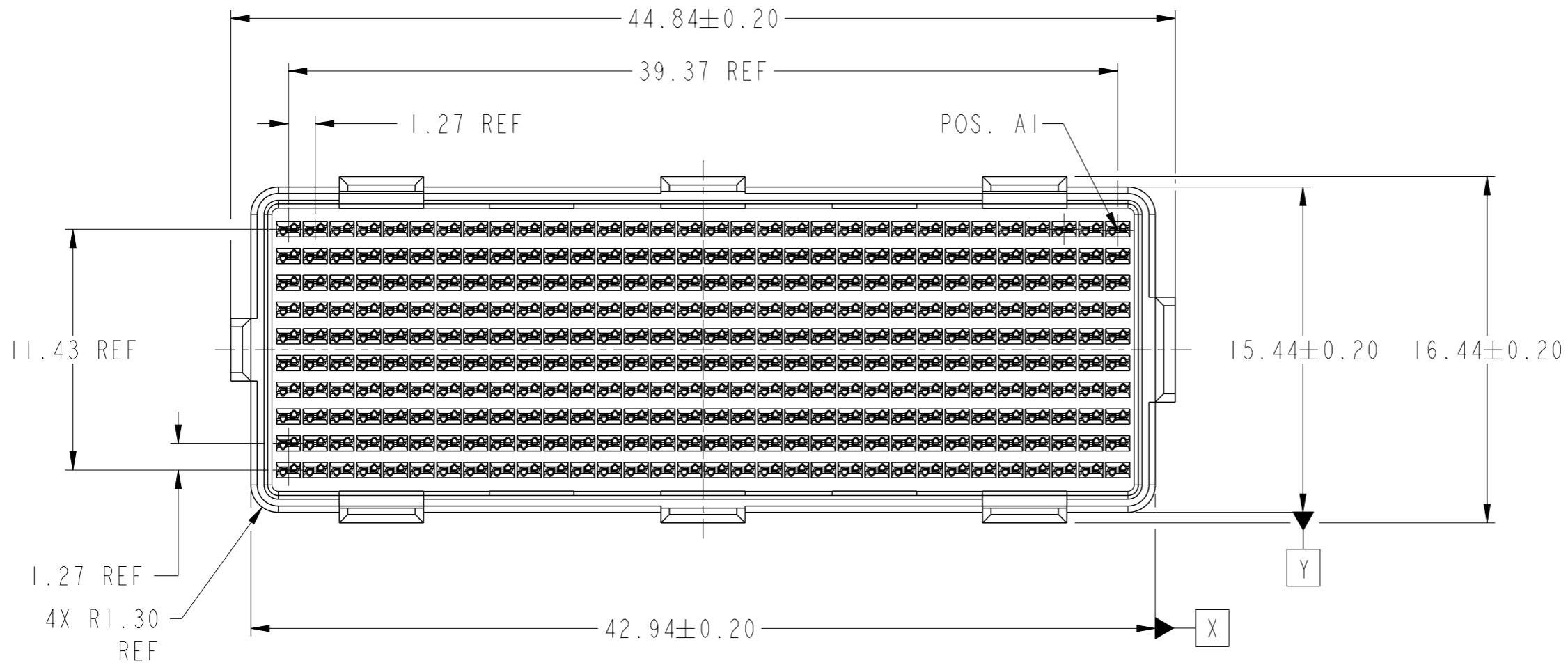


PRODUCT NUMBER  
SEE SHEET 3

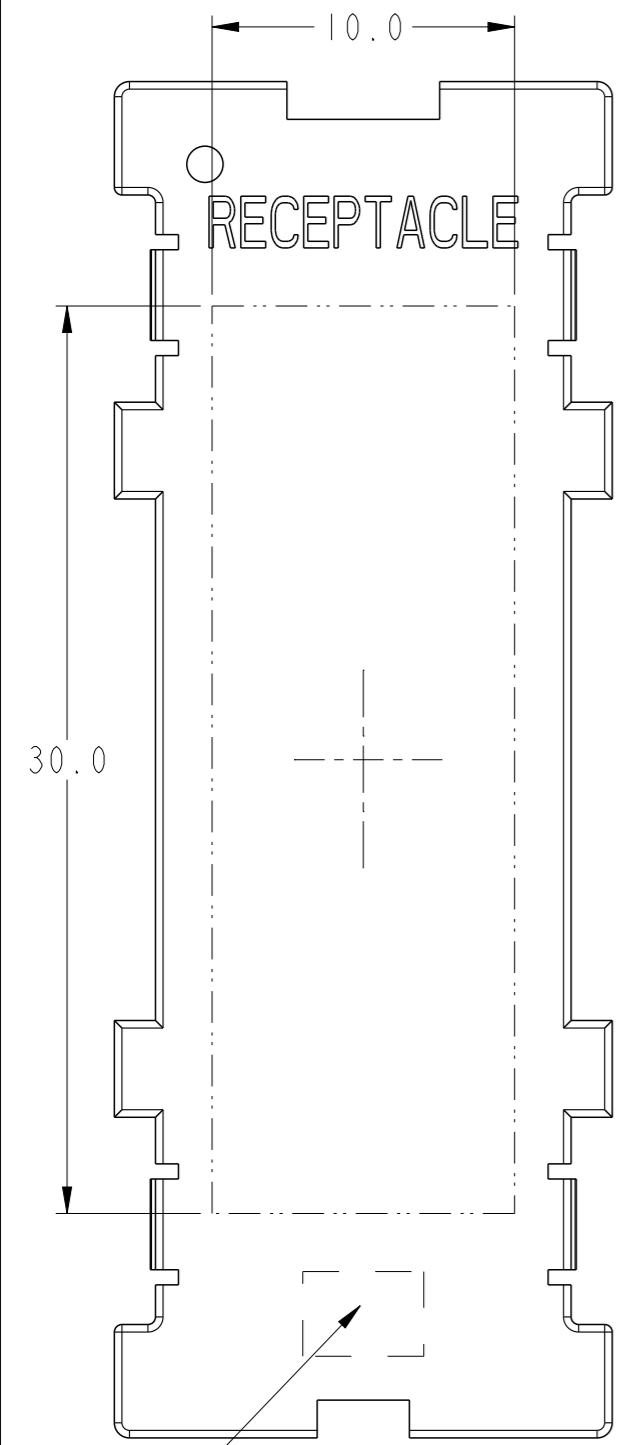


spec ref	-	dr	Dave Horchler	2013/01/22	projection	mm	size	A3	scale	1:1
tolerance std	ASME Y14.5	eng	Chris Schroll	2021/03/26			ecn no	ELX-40495-1		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	-	rel level				Released		
surface	3.2	appr	Matthew Emenhe	2021/04/13	product family	MEG-ARRAY		dwg no 10123982	rev B	sheet 1 of 4
ASME Y14.5	linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.050			
	angular	0°	±2°	<b>Amphenol FCI</b> 4mm RECEPTACLE ASSEMBLY - NATURAL 10 X 32 = 320 POS.		Product - Customer Drw		Printed: Apr 15, 2021		

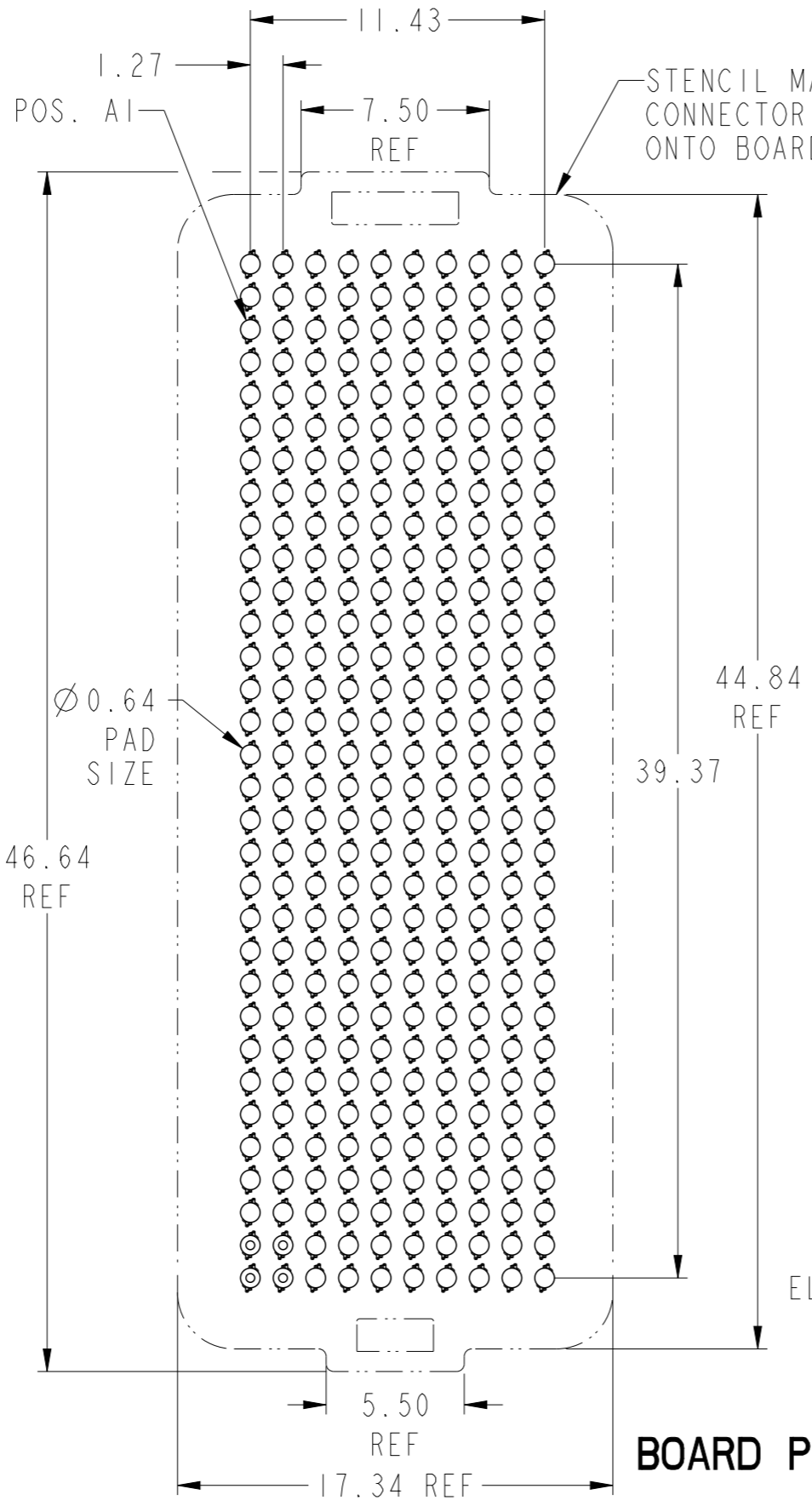
Creo File:ELX-WC-A3C, REV F, 2020-12-21

© 2020 Amphenol Corporation  
 Amphenol FCI

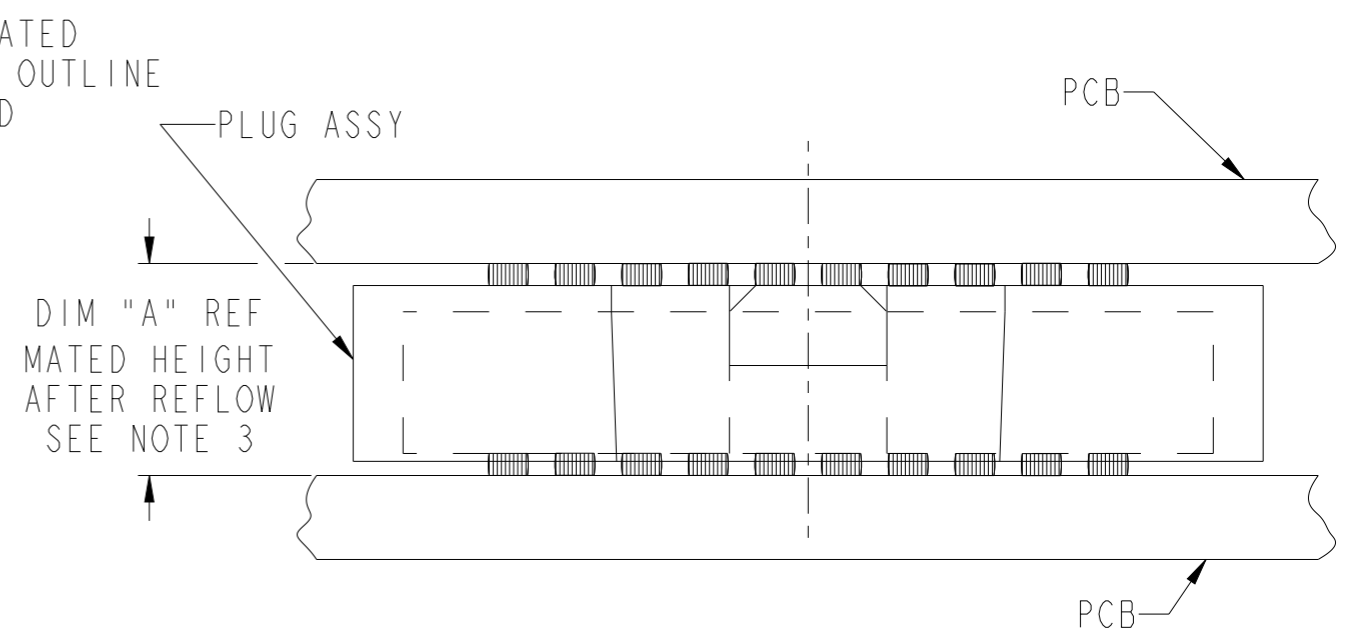
PRODUCT NUMBER  
SEE SHEET 3



NOTE 6  
**FLAT AREA FOR PICK-UP CAP**

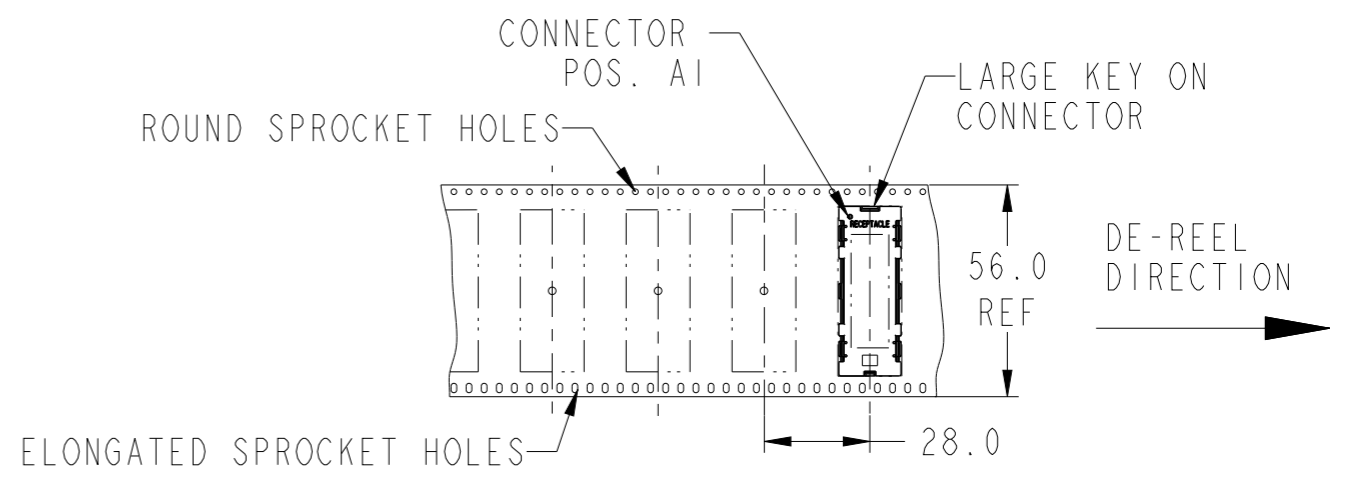


**BOARD PATTERN**



MATED HEIGHT AFTER REFLOW IS BASED ON  $\varnothing$  0.64mm PAD (METAL-DEFINED) AND 0.13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3

**END VIEW - MATED CONNECTORS**  
SCALE NONE



**TAPE & REEL PACKAGING**  
PER EIA 481-3  
SCALE NONE

spec ref	-	dr	Dave Horchler	2013/01/22	projection	mm	size	A3	scale	1:1		
tolerance std	ASME Y14.5	eng	Chris Schroll	2021/03/26			ecn no	ELX-V-40495-1	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family							MEG-ARRAY	
surface	3.2	appr	Matthew Emenhe	2021/04/13			part no	4mm RECEPTACLE ASSEMBLY -NATURAL	dwg no	10123982	rev	B
ASME Y14.5	linear	0.X	±0.3	amphenol-icc.com	cat. no.	-	Product - Customer Drw	sheet 2 of 4				
	angular	0°	±2°									

1

2

3

4

PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK IN COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
10123982-001	YES	15u" (0.38um) Au	SnPb	
10123982-001BF	YES	15u" (0.38um) Au	SnPb	8
10123982-001LF	YES	15u" (0.38um) Au	LEAD FREE	5
10123982-001BLF	YES	15u" (0.38um) Au	LEAD FREE	5 AND 8
10123982-091	YES	15u" (0.38um) GXT	SnPb	
10123982-091BF	YES	15u" (0.38um) GXT	SnPb	8
10123982-091LF	YES	15u" (0.38um) GXT	LEAD FREE	5
10123982-091BLF	YES	15u" (0.38um) GXT	LEAD FREE	5 AND 8
10123982-101	YES	30u" (0.76um) Au	SnPb	
10123982-101BF	YES	30u" (0.76um) Au	SnPb	8
10123982-101LF	YES	30u" (0.76um) Au	LEAD FREE	5
10123982-101BLF	YES	30u" (0.76um) Au	LEAD FREE	5 AND 8
10123982-191	YES	30u" (0.76um) GXT	SnPb	
10123982-191BF	YES	30u" (0.76um) GXT	SnPb	8
10123982-191LF	YES	30u" (0.76um) GXT	LEAD FREE	5
10123982-191BLF	YES	30u" (0.76um) GXT	LEAD FREE	5 AND 8
10123982-201	YES	50u" (1.27um) Au SPECIAL	SnPb	7
10123982-201BF	YES	50u" (1.27um) Au SPECIAL	SnPb	7 AND 8
10123982-201LF	YES	50u" (1.27um) Au SPECIAL	LEAD FREE	5 AND 7
10123982-201BLF	YES	50u" (1.27um) Au SPECIAL	LEAD FREE	5, 7 AND 8
10123982-291	YES	50u" (1.27um) GXT SPECIAL	SnPb	7
10123982-291BF	YES	50u" (1.27um) GXT SPECIAL	SnPb	7 AND 8
10123982-291LF	YES	50u" (1.27um) GXT SPECIAL	LEAD FREE	5 AND 7
10123982-291BLF	YES	50u" (1.27um) GXT SPECIAL	LEAD FREE	5, 7 AND 8



A

B

C

A

B

C

Amphenol FCI

© 2020 Amphenol Corporation

spec ref	-	dr	Dave Horchler	2013/01/22	projection		size	A3	scale	1:1
tolerance std	ASME Y14.5	eng	Chris Schroll	2021/03/26	chr	-	ecn no	ELX-V-40495-1	rel level	Released
surface	3.2	appr	Matthew Emenhe	2021/04/13	product family	MEG-ARRAY	dwg no	10123982	rev	B
ASME Y14.5	linear	0.X	±0.3	Amphenol FCI	4mm RECEPTACLE ASSEMBLY -NATURAL	cat. no.	-	Product - Customer Drw	sheet 3 of 4	
	angular	0°	±2°	amphenol-icc.com	10 X 32 = 320 POS.					

Creo File:ELX-WC-A3C.REV F.2020-12-21

2

3

PDS: Rev :B

STATUS:Released

Printed: Apr 15, 2021

NOTES:

1. MATERIAL:

HOUSING: LCP-NATURAL COLOR  
CONTACT: COPPER ALLOY

PLATING:

CONTACT: SEE TABLE FOR PLATING AND THICKNESS OPTIONS (OVER Ni UNDERPLATE)  
SOLDER BALL: SnPb OR LEAD FREE (95.5Sn/4Ag/0.5Cu) OPTIONS, SEE TABLE.

2. SOLDER BALLS WILL NOT HAVE PERFECT SPHERICAL SHAPES DUE TO REFLOW ATTACHMENT.

3. MATED HEIGHT WHEN MATED WITH 10123981-XXX WILL BE APPROXIMATELY 4mm.  
MATED HEIGHT WILL BE EFFECTED BY CUSTOMER'S PCB DESIGN AND REFLOW PROCESS.

4. FOR PROPER APPLICATION FOLLOW FCI APPLICATION SPECIFICATION GS-20-033.  
LEAD FREE SOLDER BALLS WILL NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS  
DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE PRODUCT IS THEREFORE NOT BACKWARDS  
COMPATIBLE WITH LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE FCI APPLICATION SPEC.

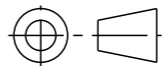

5. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.  
PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X"  
IN THE SEVENTH CHARACTER POSITION.

6. CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE AREA SHOWN.

7. PLATING FOR THE -2XX SERIES OF PRODUCT NUMBERS MEET THE REQUIREMENTS OF  
GR-1217-CORE, CENTRAL OFFICE ENVIRONMENT, (25 YEAR LIFE EXPECTANCY).  
THE CONTACTS IN THESE PRODUCT NUMBERS ALSO HAVE SPECIAL CONTACT GEOMETRY.

8. FOR THESE DASH NUMBERS, PRODUCT IS BERYLLIUM FREE.

9. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW OR NOTE THAT  
HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref		-		dr	Dave Horchler	2013/01/22			size	A3	scale	1:1	
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Chris Schroll	2021/03/26			ecn no	ELX-V-40495-1			
surface	3.2	linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050	chr	-	-			product family	MEG-ARRAY		rel level	Released
ASME Y14.5	angular	0°	±2°	appr	Matthew Emenhe	2021/04/13	4mm RECEPTACLE ASSEMBLY -NATURAL		dwg no	10123982		rev	B
				amphenol-icc.com		cat. no.	-	Product - Customer Drw		sheet 4 of 4			