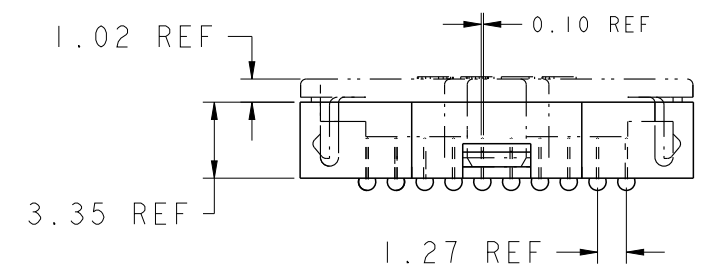
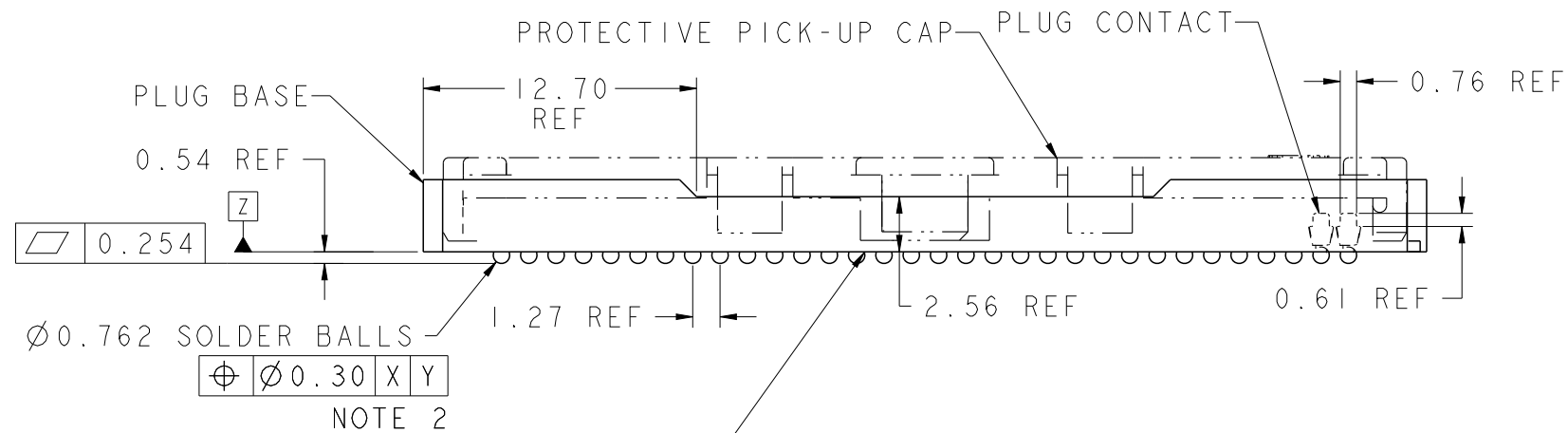
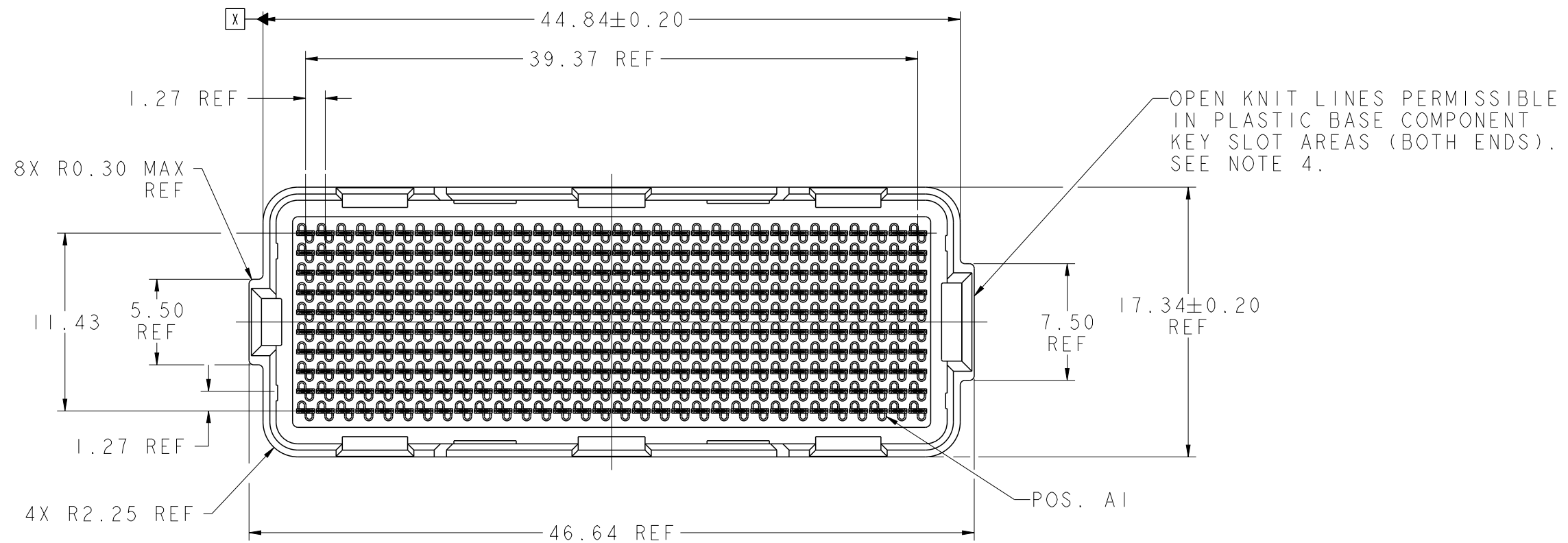
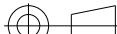


PRODUCT NUMBER
SEE SHEET 5



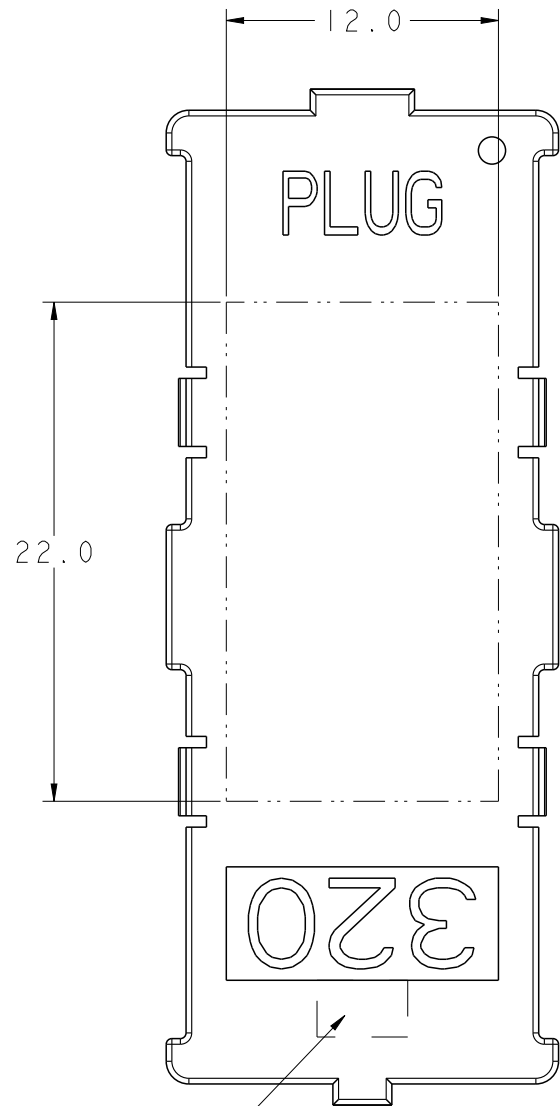
CONTINUOUS OPEN KNIT LINE CRACKS
(TRAVERSING THE ENTIRE BODY LENGTH
OF THE CONNECTOR) WHICH CAUSE
CRITICAL-TO-FUNCTION DIMENSIONAL
CHANGES THAT AFFECT THE CONNECTOR'S
MECHANICAL ALIGNMENT FEATURES ARE
NOT PERMISSIBLE. SEE NOTE 4.

spec ref -				dr Dave Horchler		2013/01/22		projection				size A3		scale 3:1			
tolerance std ASME Y14.5 - TOLERANCES UNLESS OTHERWISE SPECIFIED				eng M Srinivasan		2013/07/15						ecn no ELX-V-15184-1					
				chr -		-											
				appr R Marshall		2013/07/15										product family MEG-ARRAY	
surface ✓ ASME Y14.5		linear		0.X		±0.3				title 0mm PLUG ASSEMBLY 10 x 32 = 320 POSITIONS				dwg no 10123981		rev B	
				0.XX		±0.13											
				0.XXX		±0.051											
angular		0°		±0°		www.fci.com		cat. no.		Product - Customer Drw				sheet 1 of 5			

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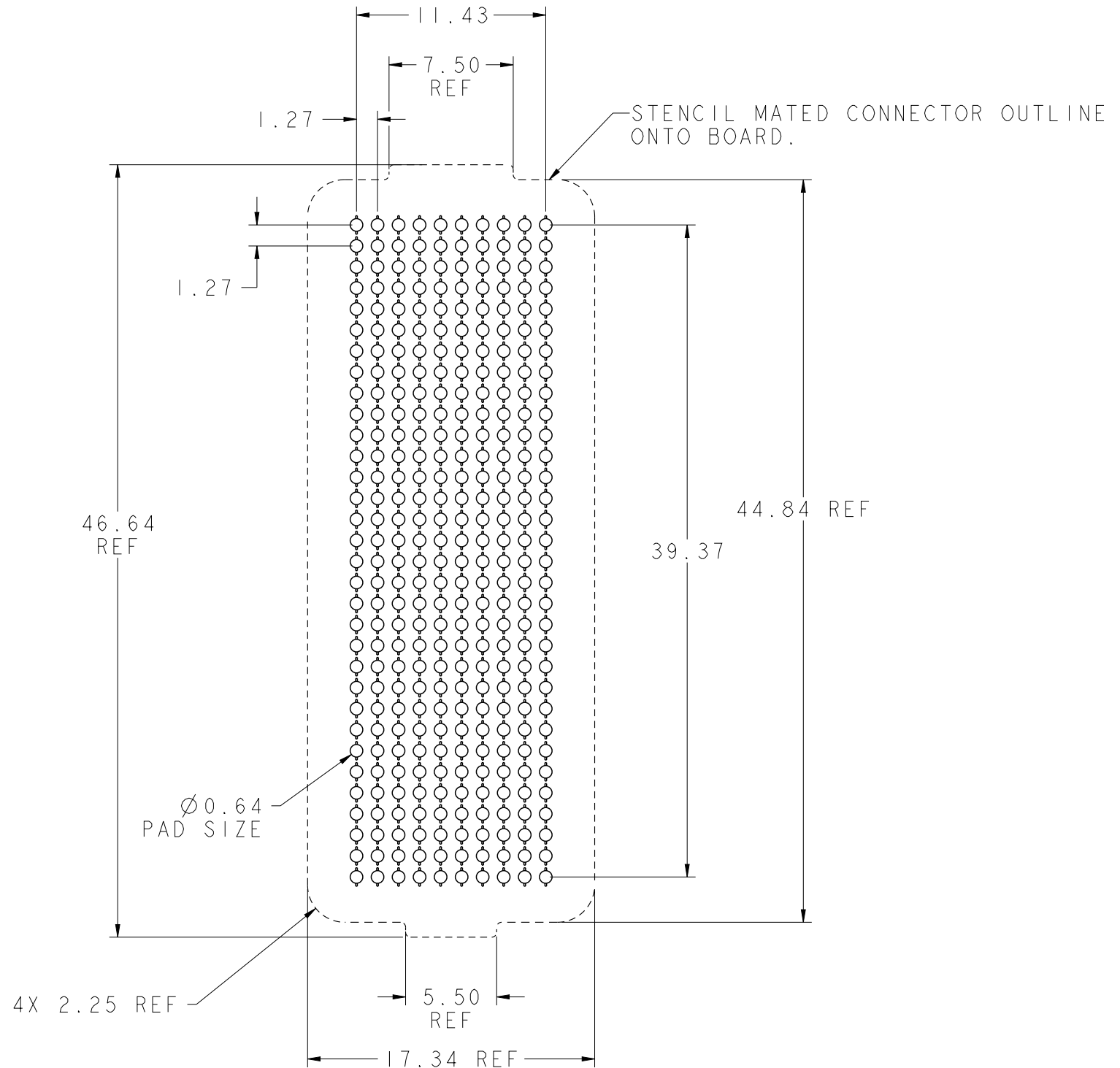


PRODUCT NUMBER
SEE SHEET 5



NOTE 6

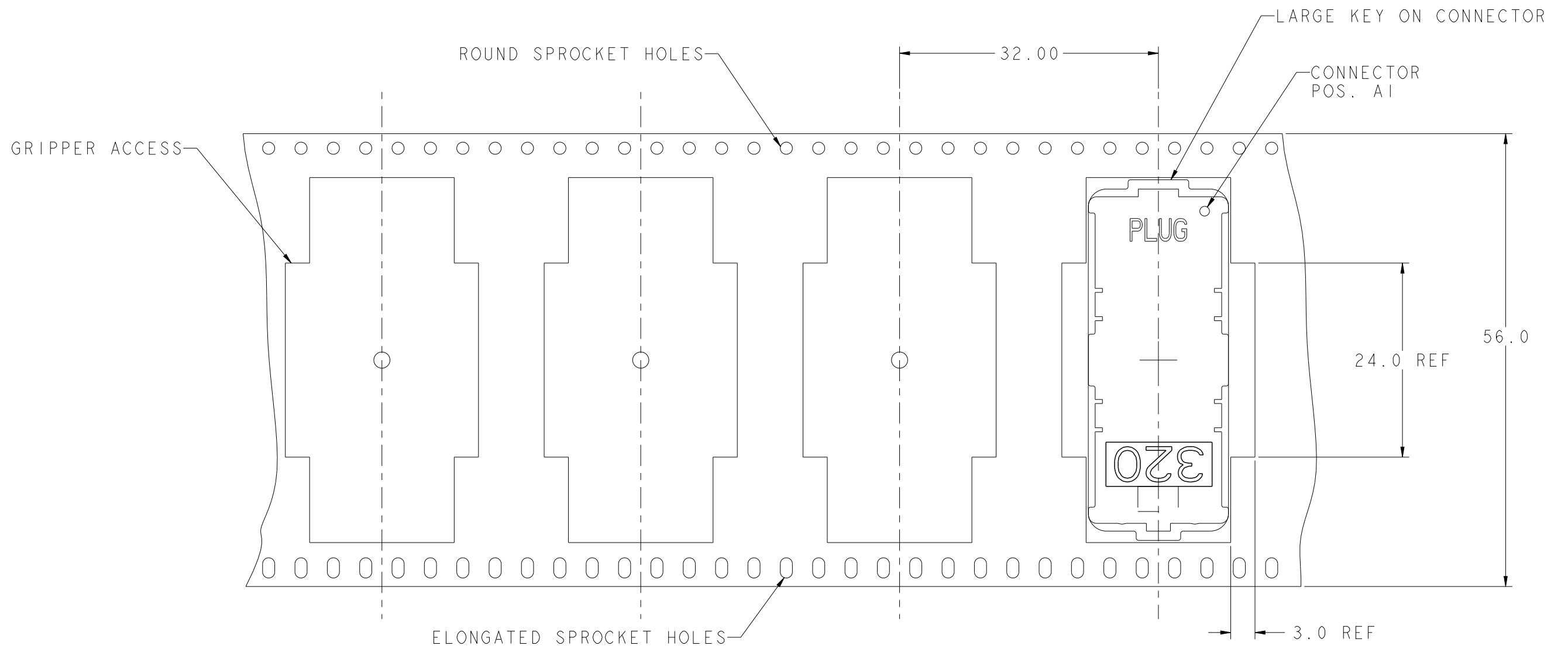
FLAT AREA FOR
PICK-UP CAP



BOARD PATTERN

spec ref		-		dr		Dave Horchler		2013/01/22		projection				size		A3		scale		3:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		M Srinivasan		2013/07/15						ecm no		ELX-V-15184-1							
ASME Y14.5				chr		-		-						rel level		Released							
-				appr		R Marshall		2013/07/15						product family		MEG-ARRAY							
surface				linear		0.X		±0.3				title		0mm PLUG ASSEMBLY		dwg no		10123981		rev		B	
ASME Y14.5				0.XX		±0.13		10 x 32 = 320 POSITIONS															
angular				0°		±0°		www.fci.com															

PRODUCT NUMBER
SEE SHEET 5



DIE - REEL DIRECTION

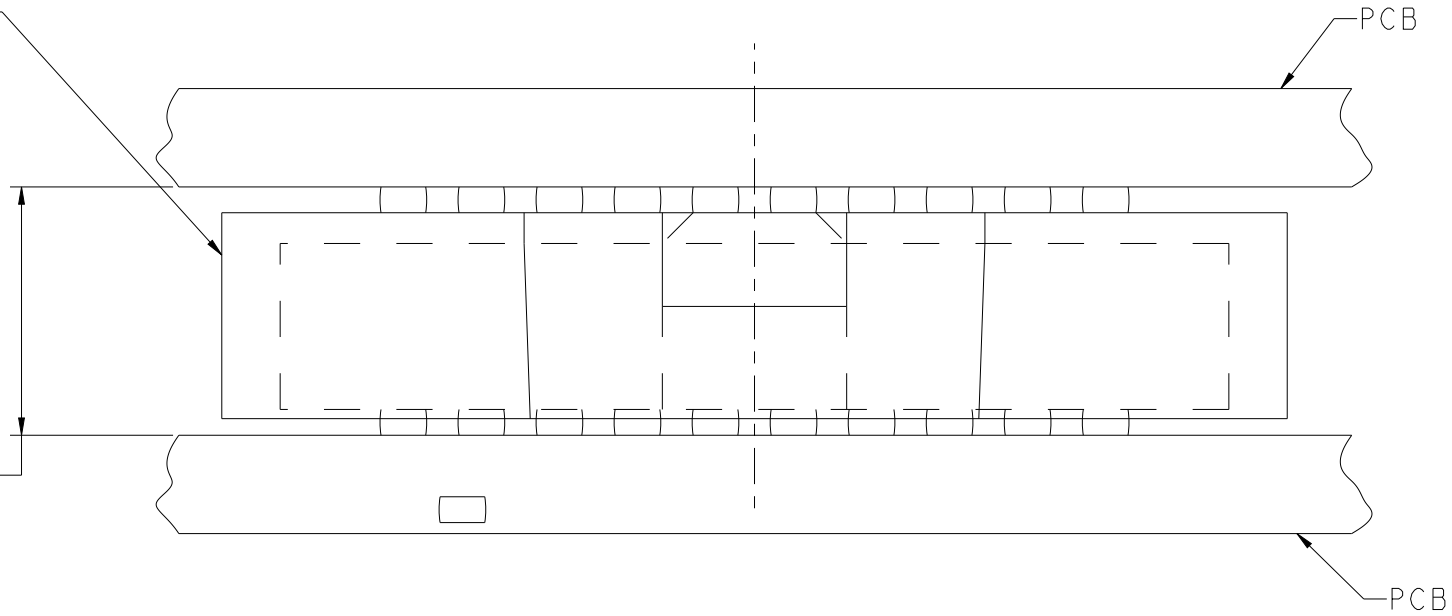
TAPE & REEL PACKAGING
PER EIA 481 - 3
SCALE NONE

spec ref -				dr	Dave Horchler	2013/01/22	projection 	mm 	size	A3	scale	3:1	
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	M Srinivasan	2013/07/15			ecn no				ELX-V-15184-1
				chr	-	-			rel level				Released
				appr	R Marshall	2013/07/15	product family		MEG-ARRAY				
surface ✓ ASME Y14.5	linear	0.X	±0.3		title 0mm PLUG ASSEMBLY 10 x 32 = 320 POSITIONS				dwg no	10123981		rev B	
		0.XX	±0.13										
		0.XXX	±0.051										
				www.fci.com	cat. no.			Product - Customer Drw			sheet 3 of 5		

PRODUCT NUMBER
SEE SHEET 5

PLUG ASSY
P/N 10123981-XXX

DIM "A" REF
MATED HEIGHT
AFTER REFLOW
SEE NOTE 3



MATED HEIGHT AFTER REFLOW IS BASED ON Ø0.64mm PAD (METAL-DEFINED)
AND 0.13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3

END VIEW - MATED CONNECTORS

SCALE NONE

spec ref -				dr Dave Horchler		2013/01/22		projection 	mm 	size A3	scale 3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng M Srinivasan	2013/07/15		ecn no ELX-V-15184-1				
				chr -	-		rel level Released				
-				appr R Marshall		2013/07/15		product family MEG-ARRAY			
surface  ASME Y14.5	linear	0.X	±0.3		title 0mm PLUG ASSEMBLY 10 x 32 = 320 POSITIONS				dwg no 10123981	rev B	
		0.XX	±0.13								
		0.XXX	±0.051								
angular 0° ±0°				www.fci.com		cat. no.		Product - Customer Drw			sheet 4 of 5

A

B

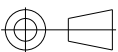
C

D

PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK IN COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
10123981-002	YES	15u" (.38um) Au	SnPb	
10123981-002LF	YES	15u" (.38um) Au	LEAD FREE	4 AND 5
10123981-092	YES	15u" (.38um) GXT	SnPb	
10123981-092LF	YES	15u" (.38um) GXT	LEAD FREE	4 AND 5
10123981-102	YES	30u" (.76um) Au	SnPb	
10123981-102LF	YES	30u" (.76um) Au	LEAD FREE	4 AND 5
10123981-192	YES	30u" (.76um) GXT	SnPb	
10123981-192LF	YES	30u" (.76um) GXT	LEAD FREE	4 AND 5
10123981-202	YES	50u" (1.27um) Au SPECIAL	SnPb	8
10123981-202LF	YES	50u" (1.27um) Au SPECIAL	LEAD FREE	4, 5 AND 8
10123981-292	YES	50u" (1.27um) GXT SPECIAL	SnPb	8
10123981-292LF	YES	50u" (1.27um) GXT SPECIAL	LEAD FREE	4, 5 AND 8
10123981-A02	YES	30u" (.76um) Au SPECIAL	SnPb	CUSTOMER SPECIAL
10123981-A02LF	YES	30u" (.76um) Au SPECIAL	LEAD FREE	CUSTOMER SPECIAL

NOTES:

- ① MATERIAL:
HOUSING: LCP-NATURAL
CONTACT: COPPER ALLOY
- PLATING:
CONTACT: 15μ" (0.38μm) GXT OVER Ni UNDERPLATE
SOLDER BALL: LEAD FREE
95.5Sn/4Ag/0.5Cu
- ② SOLDER BALLS WILL NOT HAVE PERFECT SPHERICAL SHAPES DUE TO REFLOW ATTACHMENT.
- ③ MATED HEIGHT EFFECTED BY CUSTOMER'S PCB PAD SIZE, PLATING, SOLDER REFLOW PROFILE, & SOLDER PASTE.
- 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 SPECIFICATION.
- 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. SEE PRODUCT SPEC GS-12-100 PER TEST AND PERFORMANCE INFORMATION.
- ⑧ PLATING FOR INDICATED -2XX SERIES NUMBERS MEET THE REQUIREMENTS OF GR-1217-CORE, CENTRAL OFFICE ENVIROMENT, (25 YEARS LIFE EXPECTANCY). THIS SERIES HAS SPECIAL CONTACT GEOMETRY.

spec ref -				dr Dave Horchler		2013/01/22		projection 	mm 	size	A3	scale	3:1
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng M Srinivasan		2013/07/15				ecn no	ELX-V-15184-1		
				chr -		-							
				appr R Marshall		2013/07/15		product family MEG-ARRAY			rel level Released		
surface  ASME Y14.5	linear	0.X ±0.3			title 0mm PLUG ASSEMBLY 10 x 32 = 320 POSITIONS					dwg no	10123981		rev B
		0.XX ±0.13											
		0.XXX ±0.051											
angular		0° ±0°			www.fci.com		cat. no.		Product - Customer Drw			sheet 5 of 5	