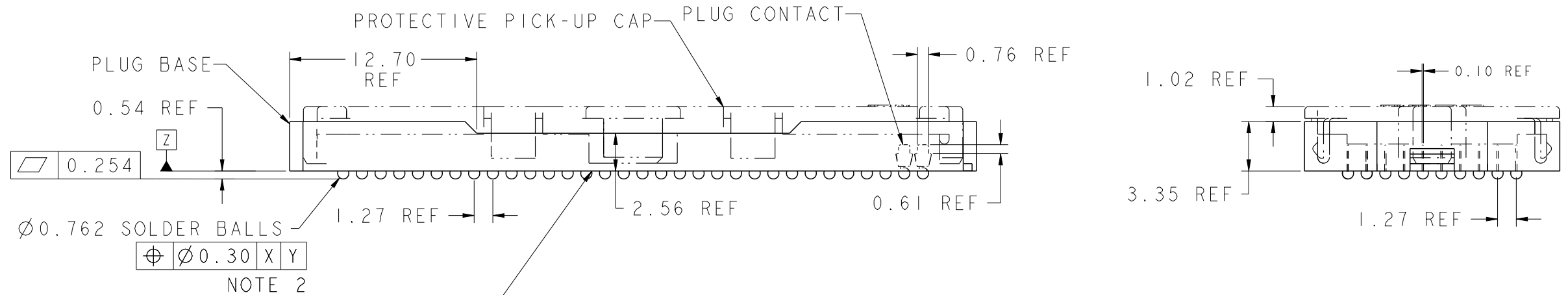
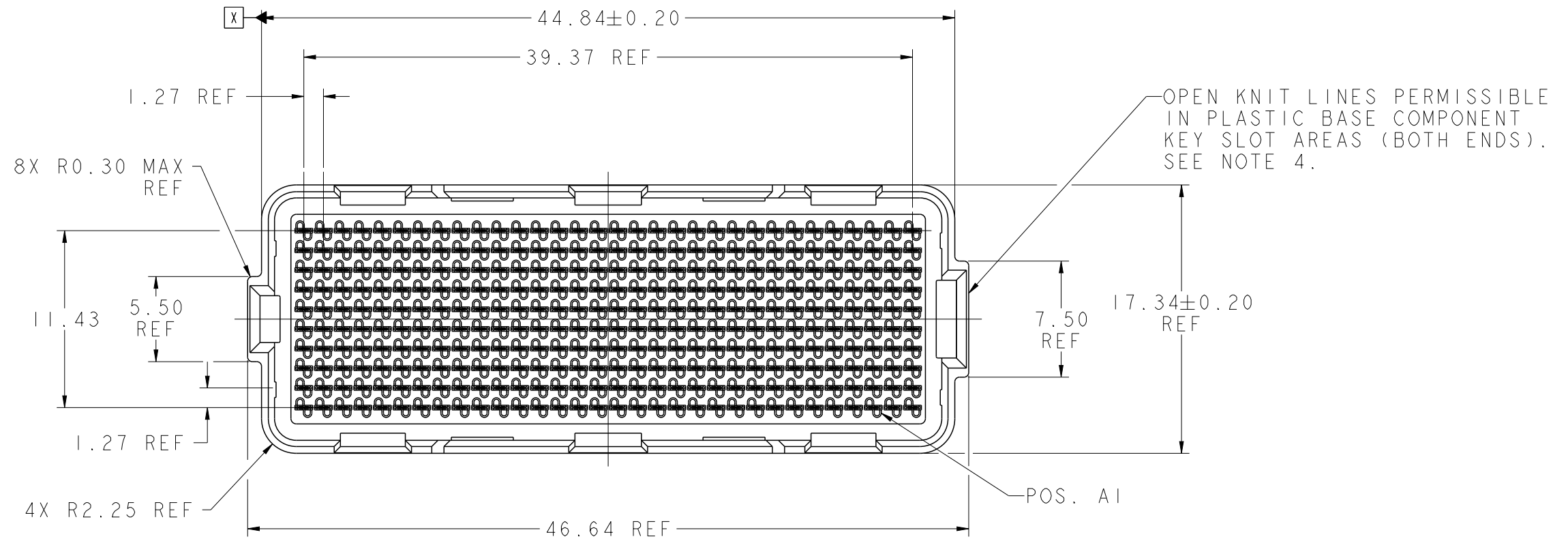


PRODUCT NUMBER

SEE SHEET 5



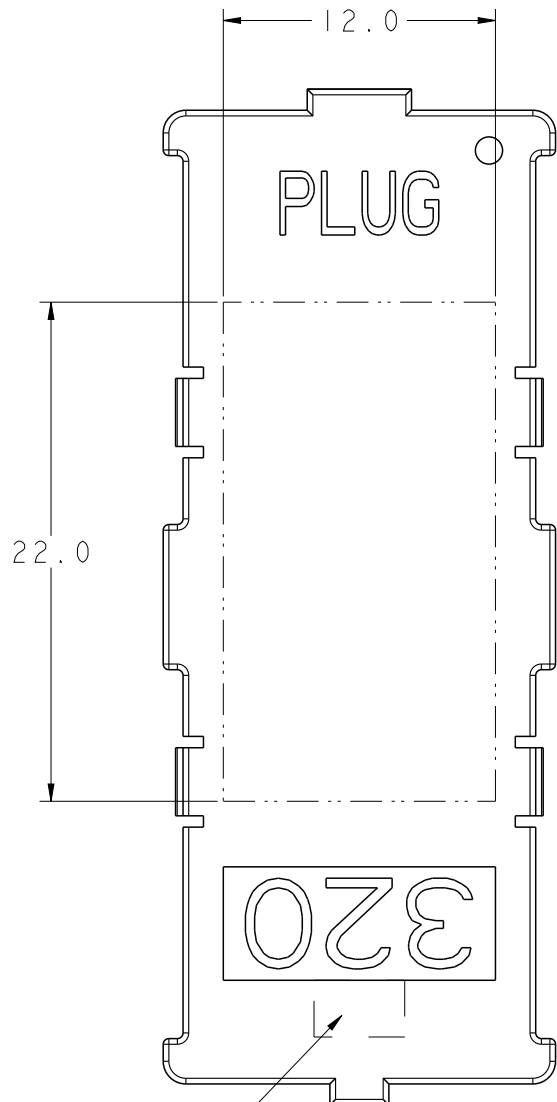
CONTINUOUS OPEN KNIT LINE CRACKS (TRAVERSING THE ENTIRE BODY LENGTH OF THE CONNECTOR) WHICH CAUSE CRITICAL-TO-FUNCTION DIMENSIONAL CHANGES THAT AFFECT THE CONNECTOR'S MECHANICAL ALIGNMENT FEATURES ARE NOT PERMISSIBLE. SEE NOTE 4.

spec ref -				dr Dave Horchler		2013/01/22		projection		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 1 of 5	

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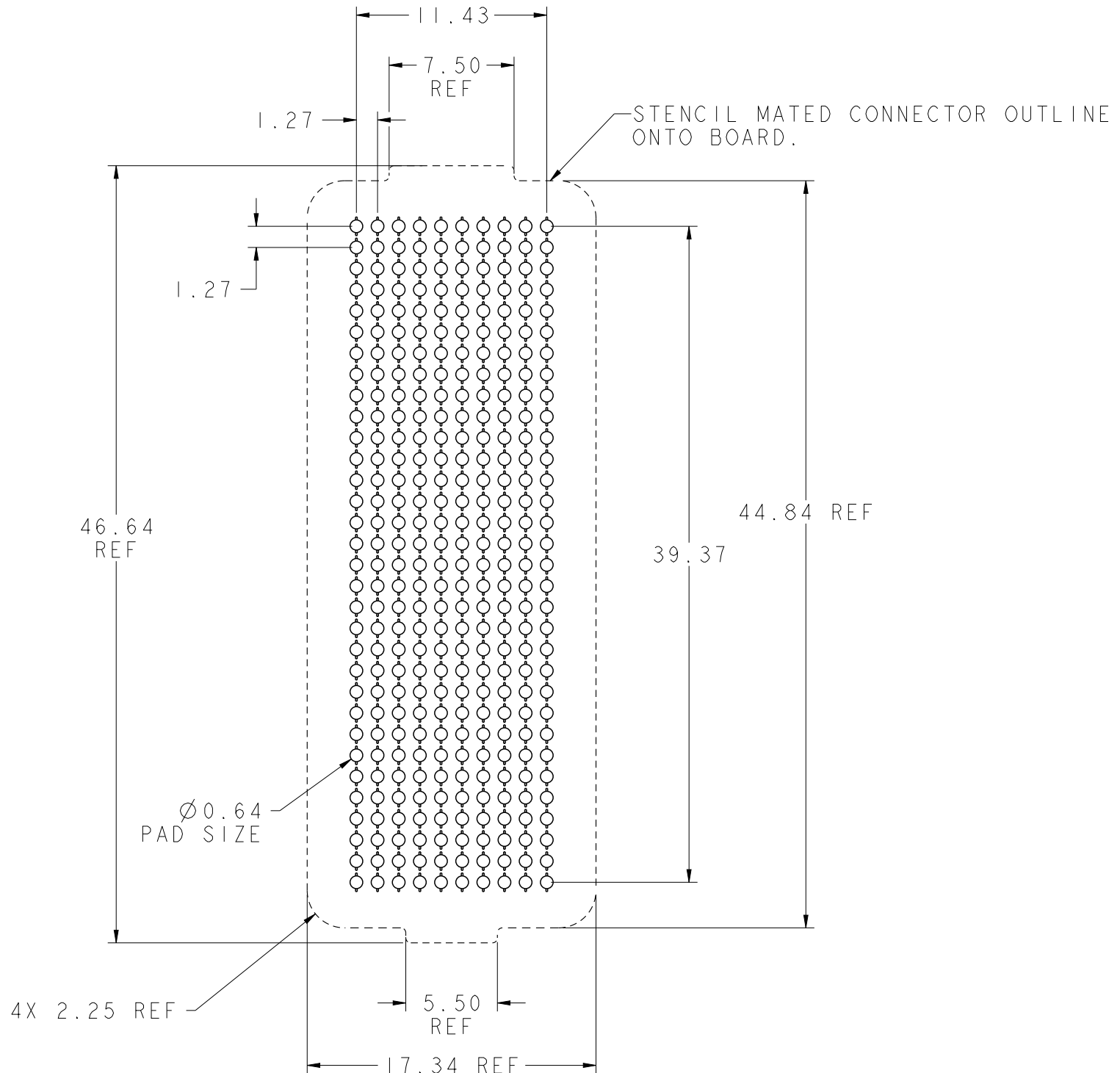


PRODUCT NUMBER
SEE SHEET 5







NOTE 6

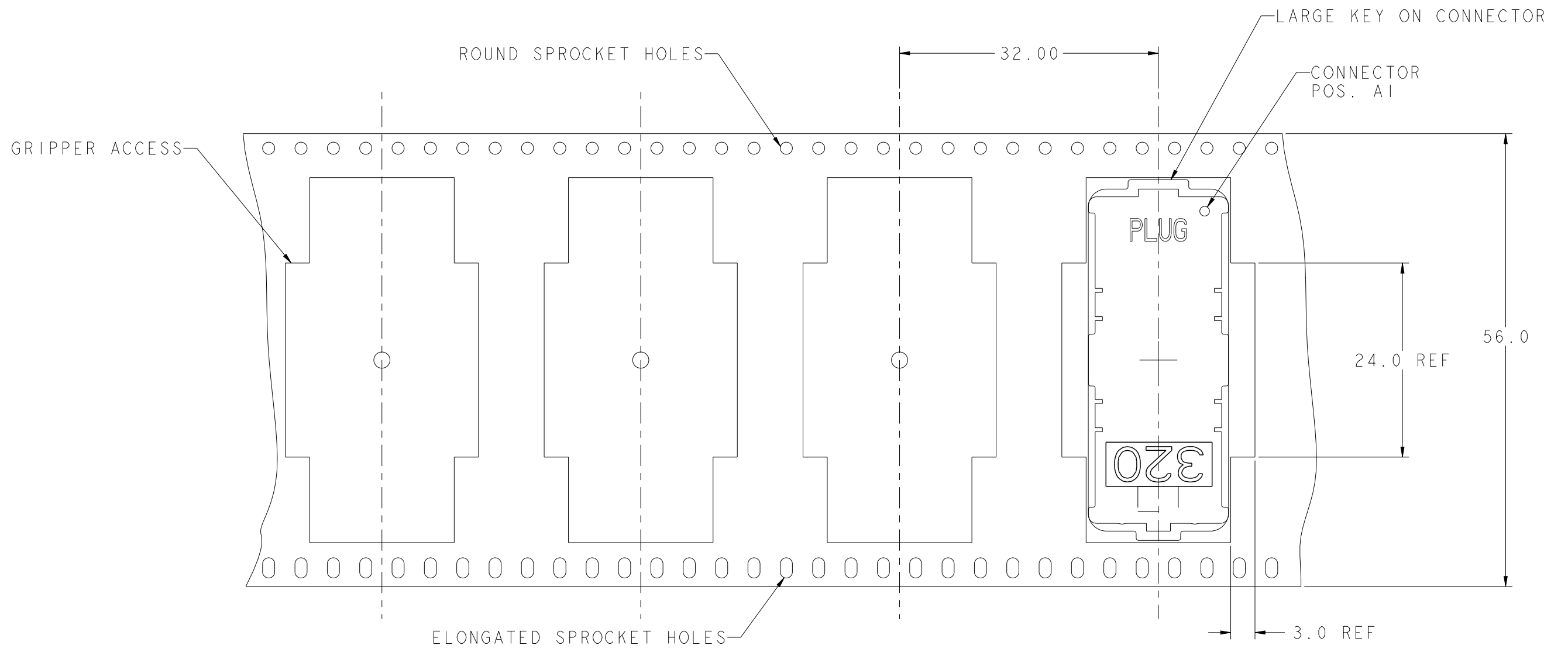
FLAT AREA FOR
PICK-UP CAP



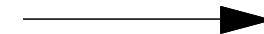
BOARD PATTERN

spec ref -				dr Dave Horchler		2013/01/22		projection 	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		www.fci.com		cat. no.				Product - Customer Drw
angular		0°	±0°								

PRODUCT NUMBER
SEE SHEET 5



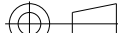


DIE - REEL DIRECTION



TAPE & REEL PACKAGING

PER EIA 481 - 3

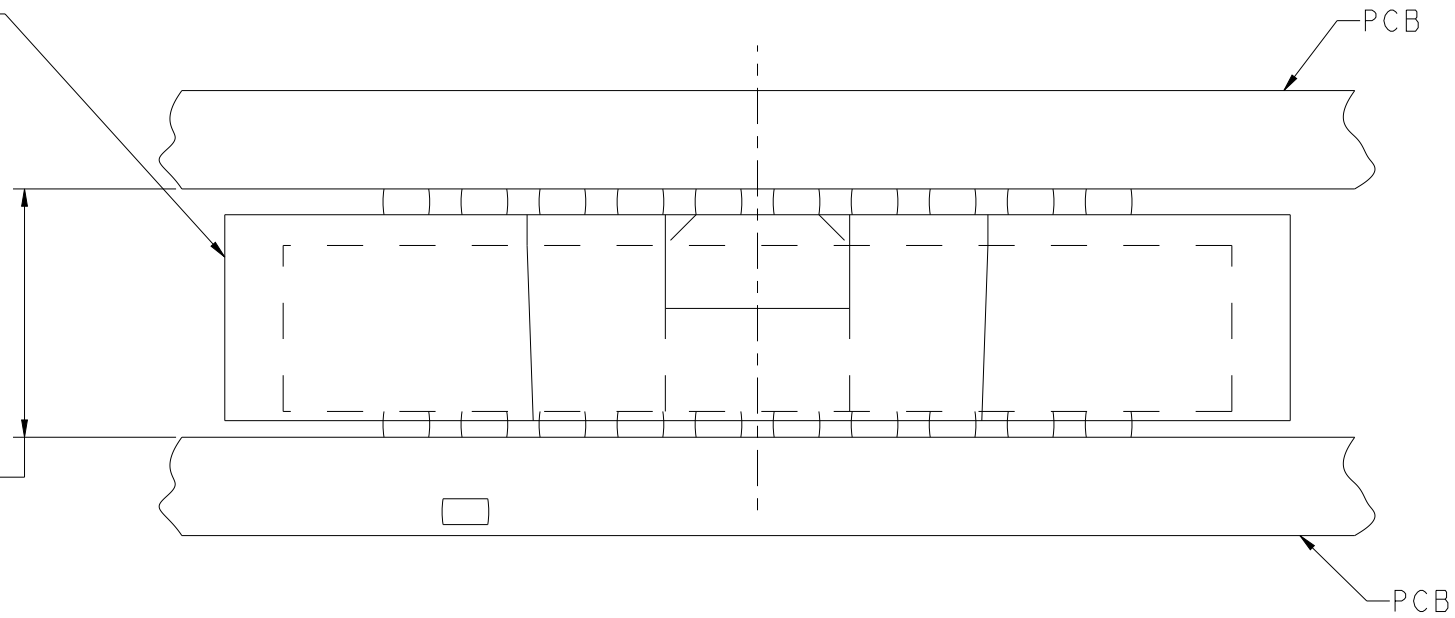
SCALE NONE

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



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D

C

B

A

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		<div>projection</div>	<div>mm</div>	size A3	scale 3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng M Srinivasan	2013/07/15			ecn no ELX-V-15184-1		
ASME Y14.5				chr -	-					
-				appr R Marshall				2013/07/15		product family MEG-ARRAY
surface	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							
ASME Y14.5	angular	0°	±0°	www.fci.com	cat. no.		Product - Customer Drw			sheet 5 of 5

Mouser Electronics

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