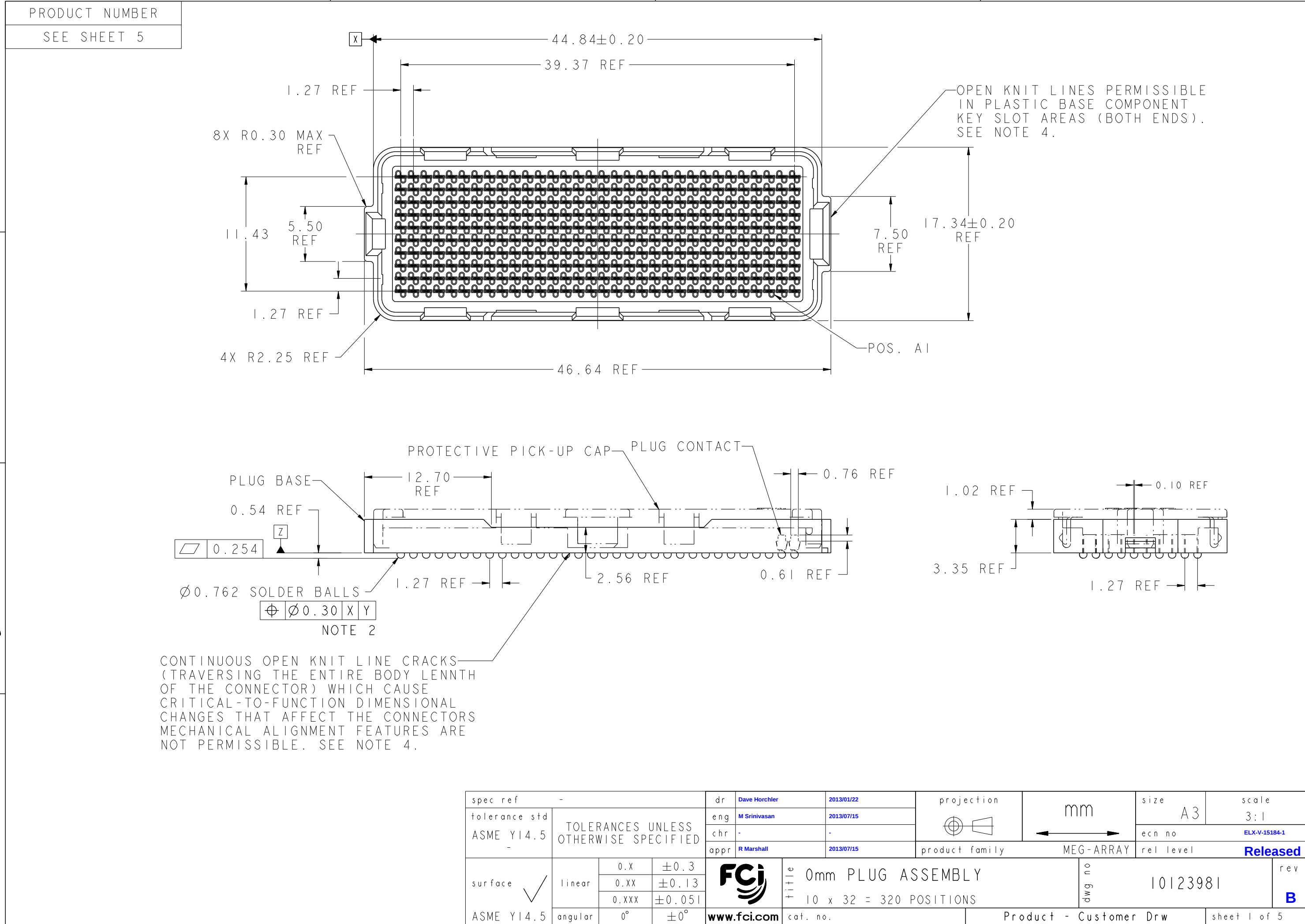
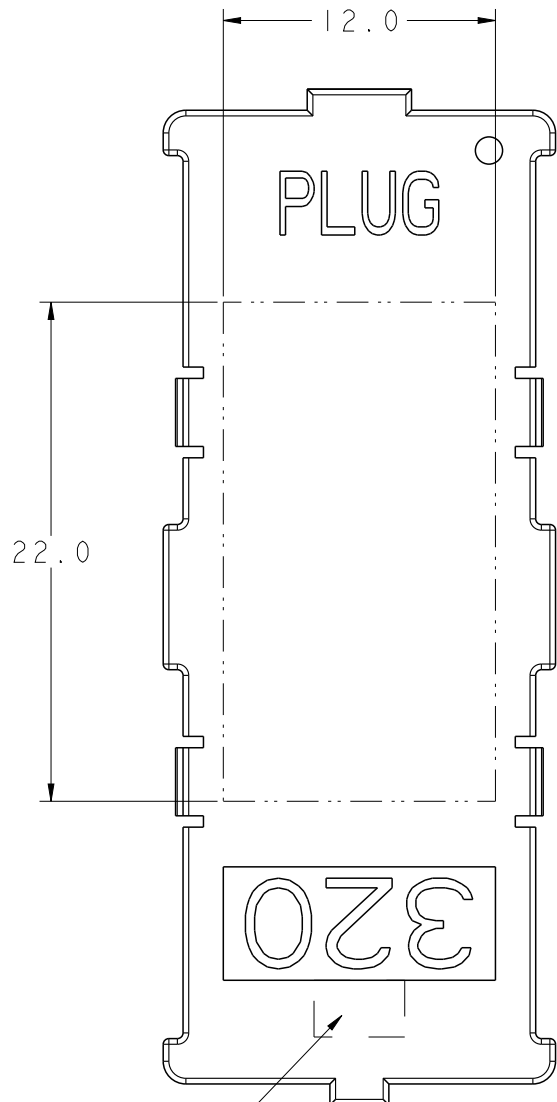






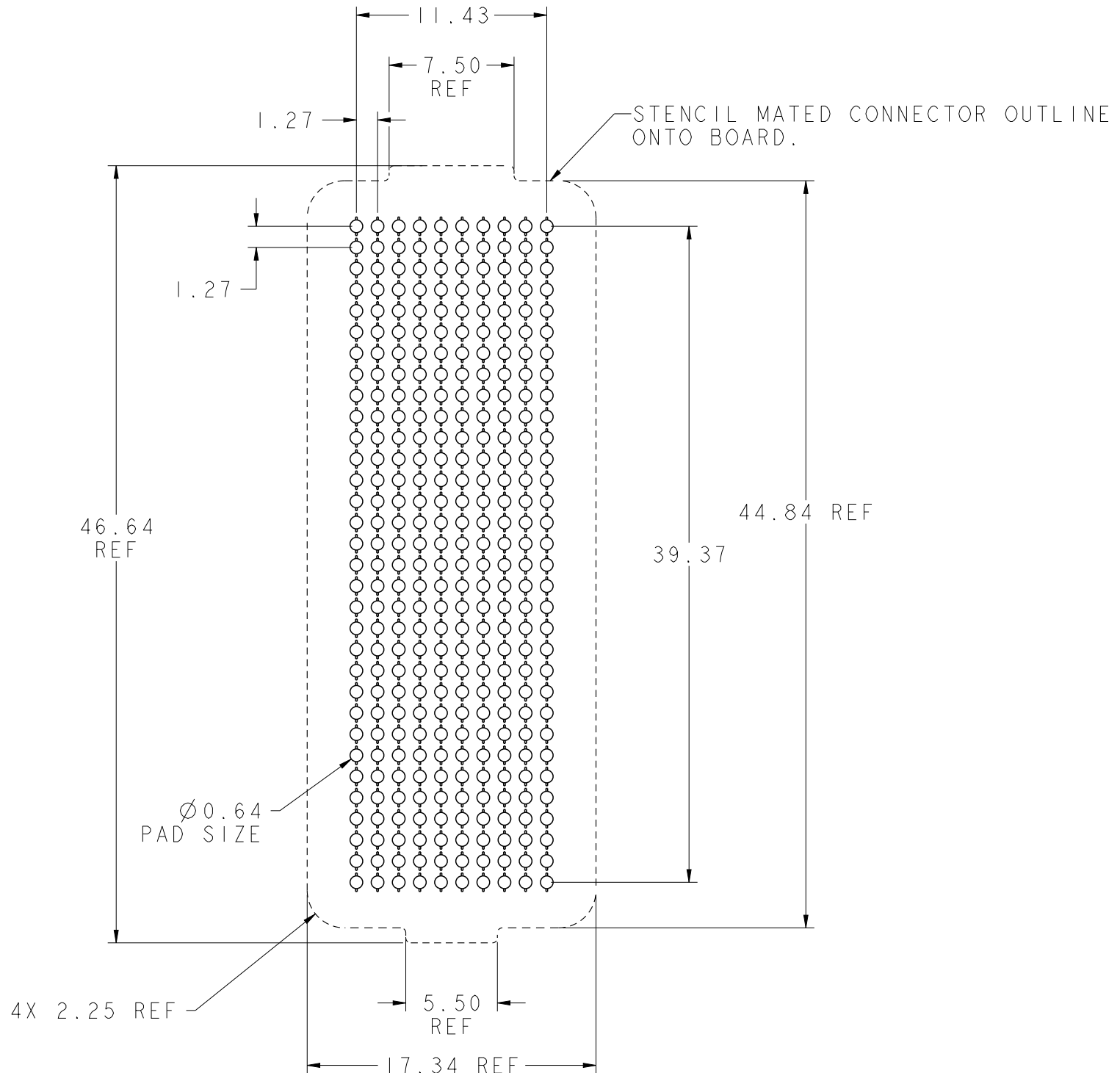
Copyright FCI.

PRODUCT NUMBER
SEE SHEET 5



NOTE 6

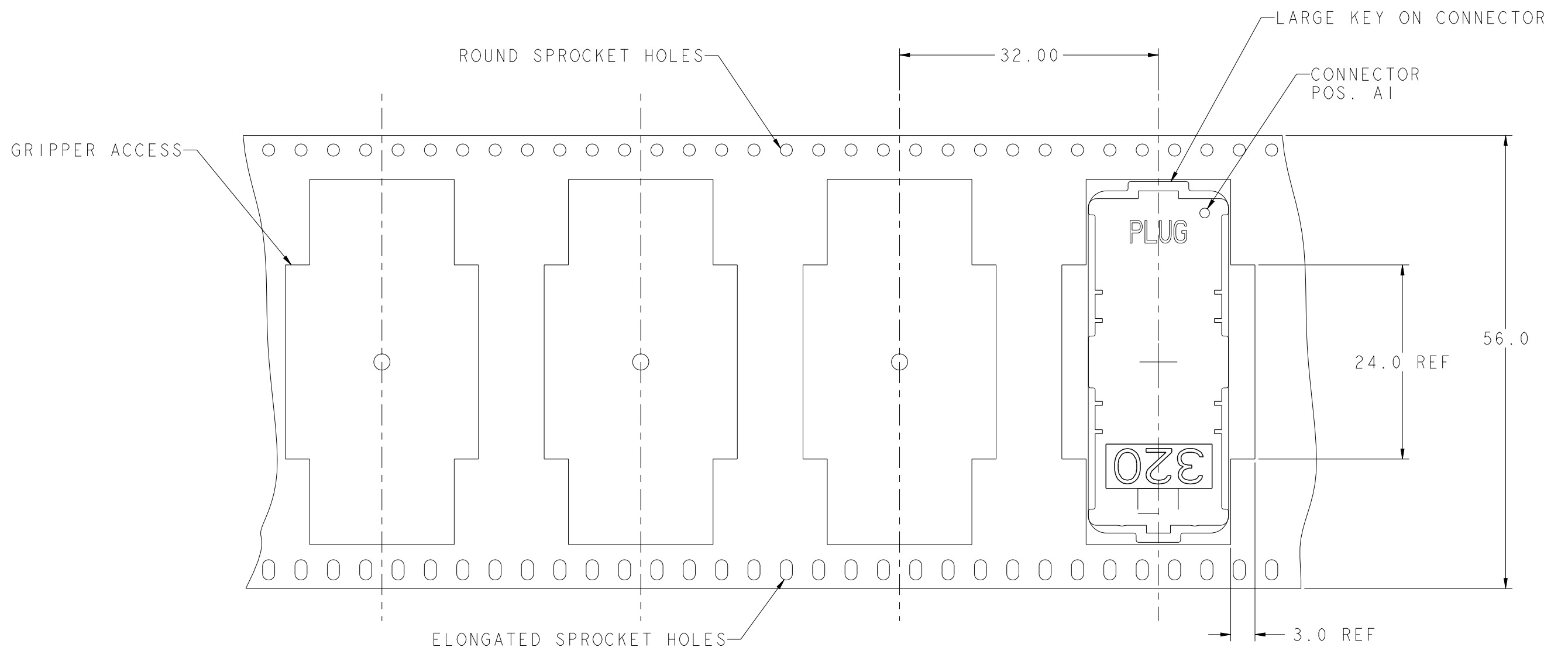
FLAT AREA FOR
PICK-UP CAP



BOARD PATTERN

spec ref		-		dr		Dave Horchler		2013/01/22		projection		mm		size		A3		scale		3:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		M Srinivasan		2013/07/15						ecn no		ELX-V-15184-1		rel level		Released							
ASME Y14.5				chr		-		-																			
-				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	
-																								0.XXX		±0.051	
angular		0°		±0°		www.fci.com		cat. no.		Product - Customer Drw		sheet 2 of 5															

PRODUCT NUMBER
SEE SHEET 5



DIE - REEL DIRECTION

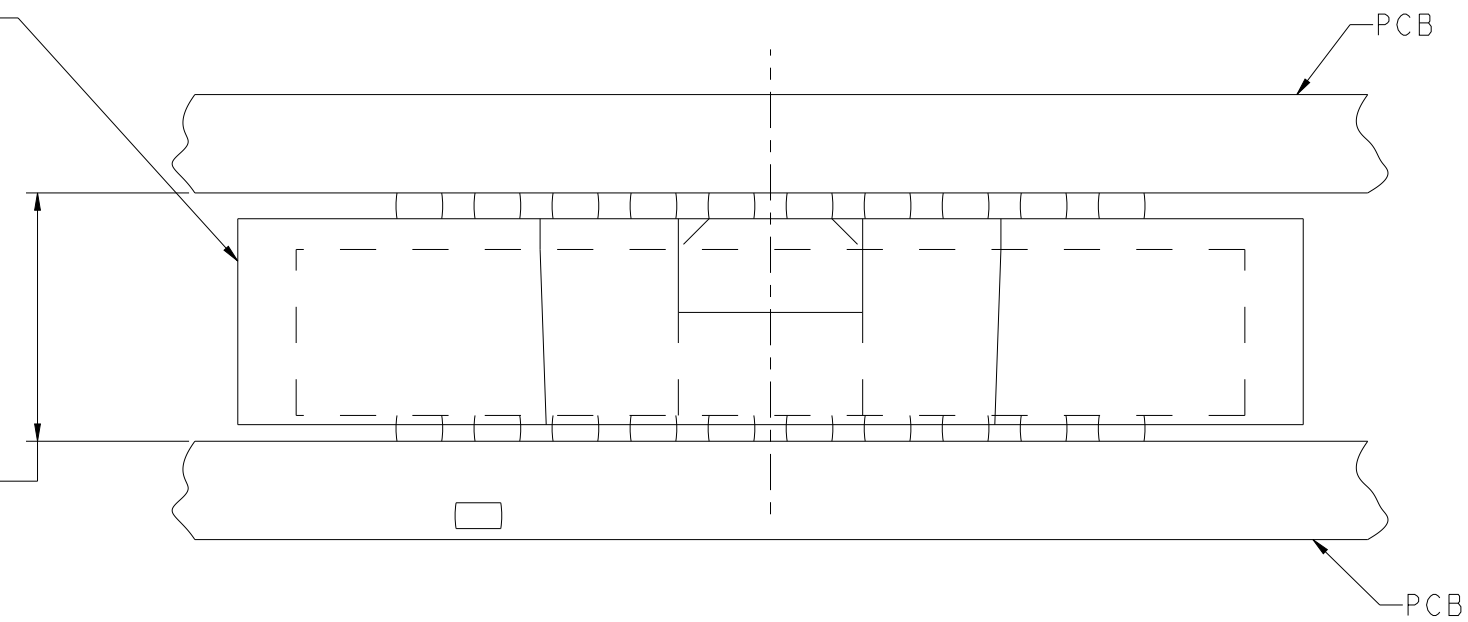
TAPE & REEL PACKAGING
PER EIA 481 - 3
SCALE NONE

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

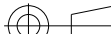
PLUG ASSY
P/N 10123981-XXX

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				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 		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 4 of 5			



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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		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		M Srinivasan		2013/07/15						ecn no		ELX-V-15184-1		rel level		Released					
ASME Y14.5				chr		-		-																	
-				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					
																						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											