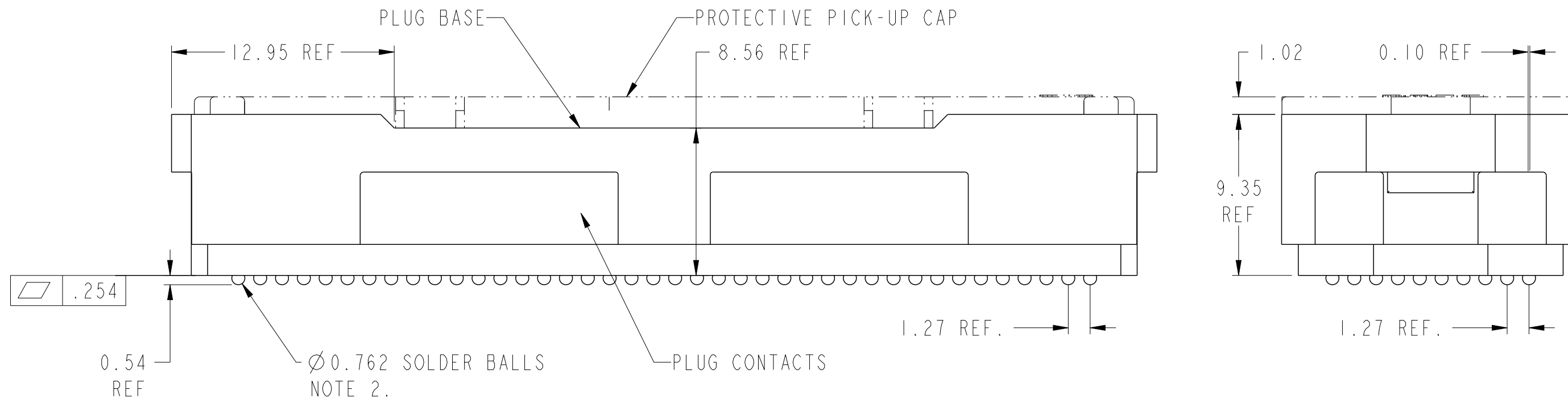
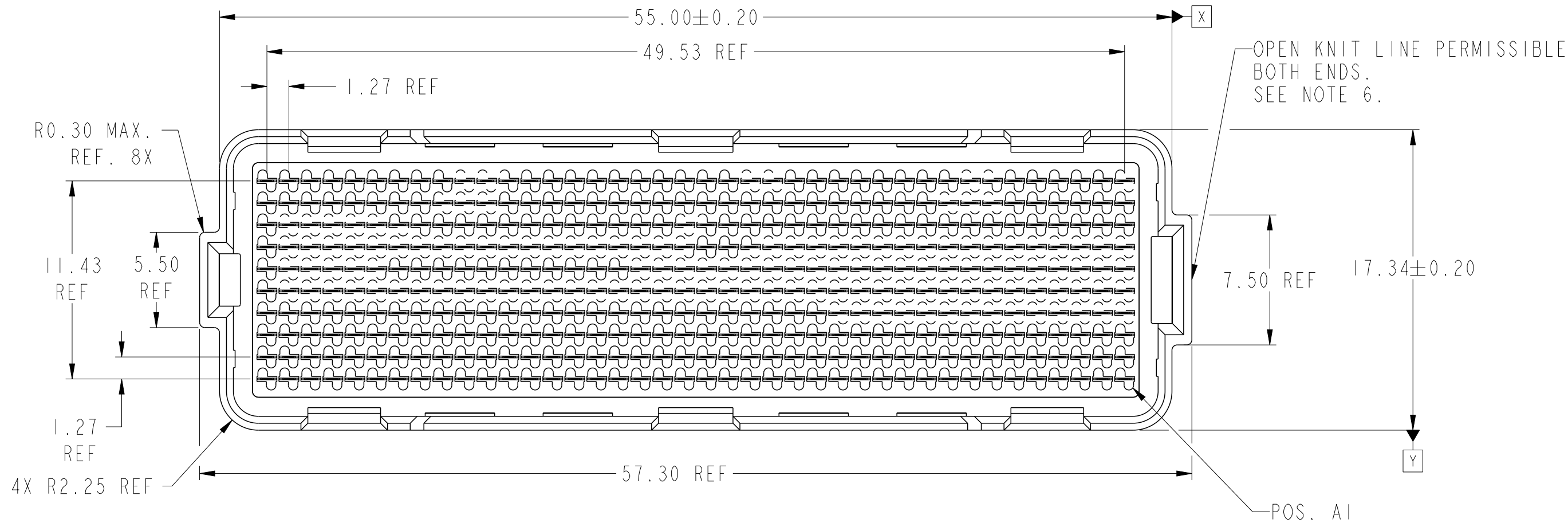
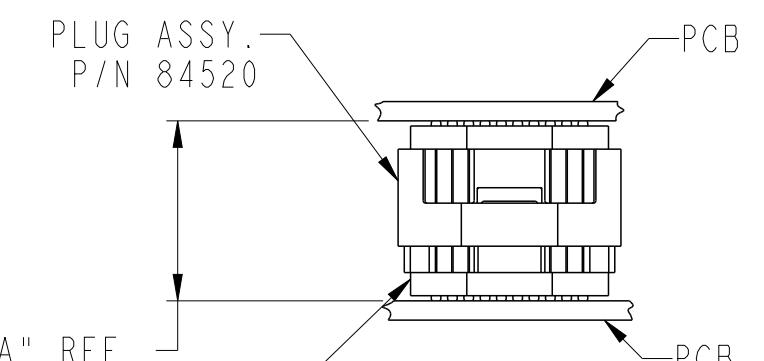




⊕ ⊙ .30 X Y

spec ref	-	dr	wcadmin	1999/08/19	projection	mm	size	A3	scale	4:1
tolerance std	ASME Y14.5	eng	Dave Horchler	2012/11/21	chr	-	ecn no	ELX-V-13515-1	rel level	Released
surface	✓	appr	R Marshall	2012/11/27	product family	MEG-ARRAY	dwg no	84520	rev	H
ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED	www.fci.com	cat. no.	6.0mm PLUG ASSEMBLY	10 X 40 = 400 POSITIONS	Product - Customer Drw	sheet 1 of 5			

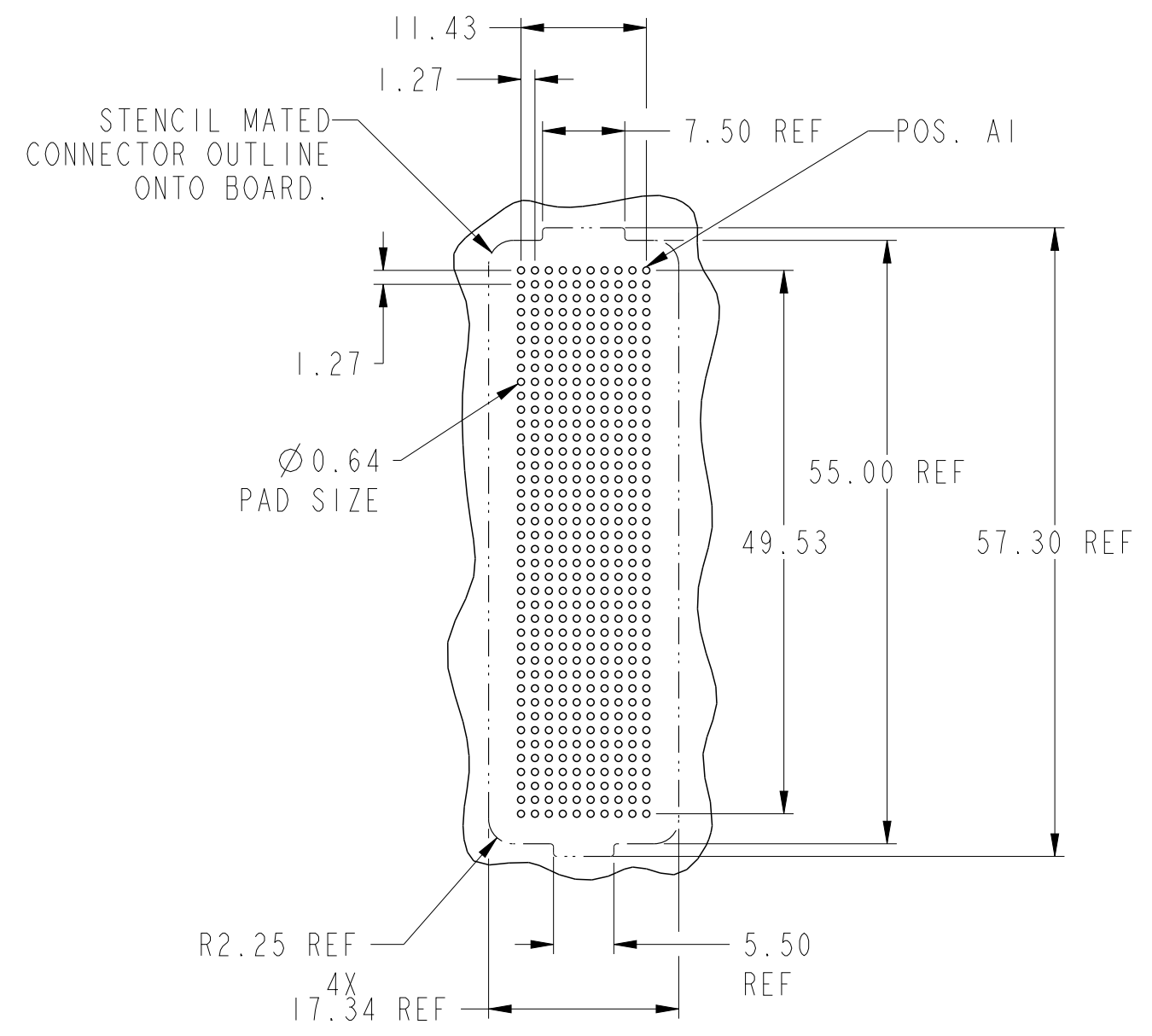


DIM "A" REF.
MATED HEIGHT
AFTER REFLOW
SEE NOTE 3.

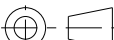
END VIEW - MATED CONNECTORS
MATED HEIGHT AFTER REFLOW IS BASED
ON Ø0.64mm PAD (METAL DEFINED) AND
0.13mm SOLDER PASTE STENCIL THICKNESS.
SEE NOTE 3.

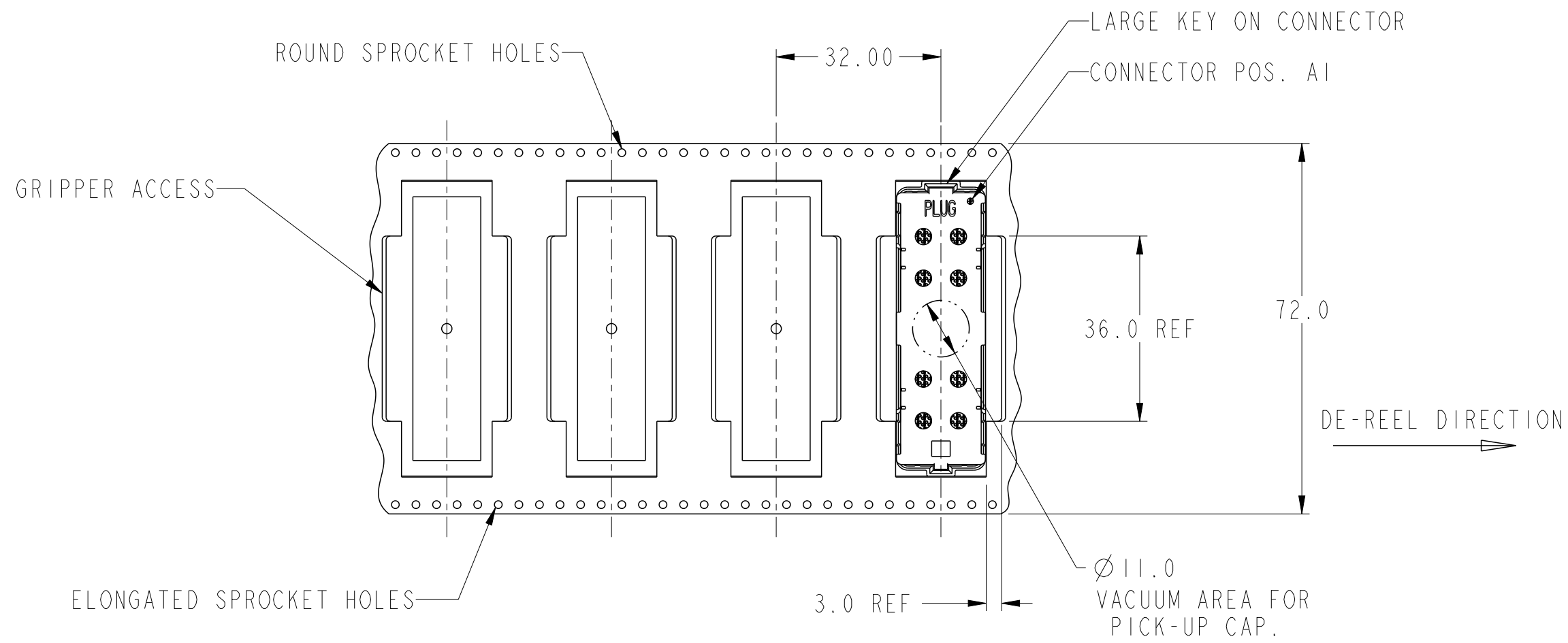
RECPT. ASSY.
(SEE TABLE BELOW)

MATED HEIGHT TABLE		
DIM. "A"	RECPT. ASSY. P/N	-2XX PLATING
10.0	74221	SEE NOTE 4
12.0	74388	SEE NOTE 5
14.0	74390	SEE NOTE 5

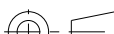


BOARD PATTERN

spec ref -				dr	w wadmin	1999/08/19	projection 	mm 	size	A3	scale	10:1		
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Dave Horchler	2012/11/21			ecn no				ELX-V-13515-1	
				chr	-	-			product family				rel level	Released
				appr	R Marshall	2012/11/27								
surface ✓ ASME Y14.5	linear	0.X	±0.3		title 6.0mm PLUG ASSEMBLY 10 X 40 = 400 POSITIONS				dwg no	84520		rev H		
		0.XX	±0.13											
		0.XXX	±0.051											
		angular	0°	±2°	www.fci.com	cat. no.			Product - Customer Drw			sheet 2 of 5		



TAPE & REEL PACKAGING
PER EIA 481-3

spec ref -				dr	w wcadmin	1999/08/19	projection 	mm 	size	A3	scale	2:1		
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Dave Horchler	2012/11/21			ecn no	ELX-V-13515-1				
				chr	-	-								
				appr	R Marshall	2012/11/27	product family			MEG-ARRAY		rel level	Released	
surface ✓ ASME Y14.5	linear	0.X	±0.3		title	6.0mm PLUG ASSEMBLY 10 X 40 = 400 POSITIONS			dwg no			rev	H	
		0.XX	±0.13											
		0.XXX	±0.051											
angular				0°	±2°	www.fci.com		cat. no.		Product - Customer Drw			sheet 3 of 5	

1

2

3

4

A

B

C

D

A

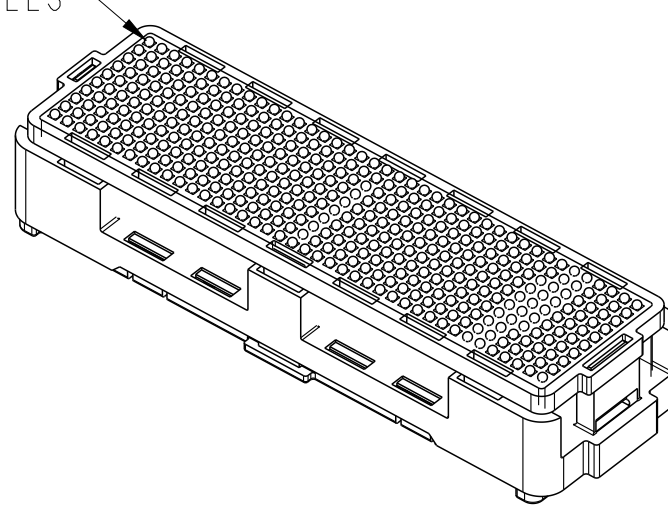
B

C

D

PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
84520-002	YES	15μ" / (.38μm) Au	SnPb	
84520-002LF	YES	15μ" / (.38μm) Au	LEAD FREE	8
84520-092	YES	15μ" / (.38μm) GXT	SnPb	
84520-092LF	YES	15μ" / (.38μm) GXT	LEAD FREE	8
84520-102	YES	30μ" / (.76μm) Au	SnPb	
84520-102LF	YES	30μ" / (.76μm) Au	LEAD FREE	8
84520-192	YES	30μ" / (.76μm) GXT	SnPb	
84520-192LF	YES	30μ" / (.76μm) GXT	LEAD FREE	8
84520-202	YES	50μ" / (1.27μm) Au SPECIAL	SnPb	4 AND 5
84520-202LF	YES	50μ" / (1.27μm) Au SPECIAL	LEAD FREE	4, 5, AND 8
84520-292	YES	50μ" / (1.27μm) GXT SPECIAL	SnPb	4 AND 5
84520-292LF	YES	50μ" / (1.27μm) GXT SPECIAL	LEAD FREE	4, 5 AND 8
84520-302	YES	15μ" / (.38μm) Au SPECIAL	SnPb	9
84520-302LF	YES	15μ" / (.38μm) Au SPECIAL	LEAD FREE	8 AND 9
84520-402	YES	30μ" / (.76μm) Au SPECIAL	SnPb	9
84520-402LF	YES	30μ" / (.76μm) Au SPECIAL	LEAD FREE	8 AND 9
84520-502	YES	Au SPECIAL	SnPb	4 AND 5
84520-502LF	YES	Au SPECIAL	LEAD FREE	4, 5 AND 8

SOLDER BALLS

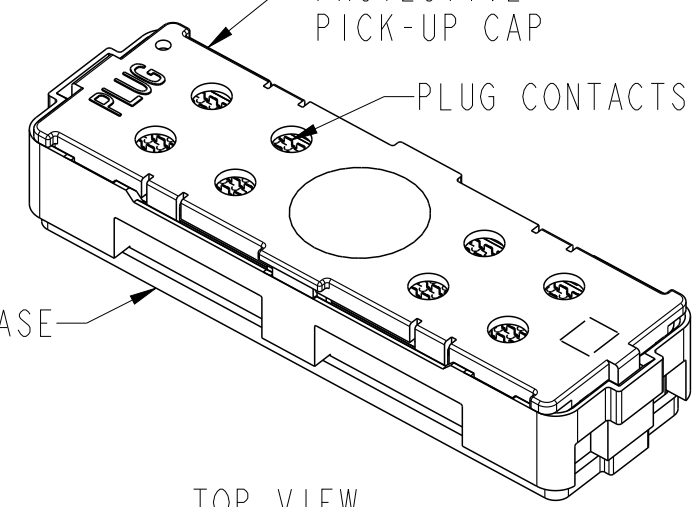


BOTTOM VIEW

PROTECTIVE
PICK-UP CAP

PLUG CONTACTS

PLUG BASE



TOP VIEW

spec ref		-		dr		w wcadmin		1999/08/19		projection		mm		size		A3		scale		17:10							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Dave Horchler		2012/11/21						ecn no		ELX-V-13515-1		rel level		Released							
ASME Y14.5				chr		-		-																			
-				appr		R Marshall		2012/11/27														product family		MEG-ARRAY			
surface				linear		0.X		±0.3				title		6.0mm PLUG ASSEMBLY		dwg no		84520		rev		H					
ASME Y14.5																								0.XX		±0.13	
																								0.XXX		±0.051	
angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw		sheet 4 of 5															



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2

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PDS: Rev :H

STATUS:Released

Printed: Nov 28, 2012



PRODUCT NUMBER
SEE TABLE

NOTES:

1. MATERIAL:
HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING:
CONTACT: SEE TABLE ON SHEET 4
SOLDER BALL: SEE TABLE ON SHEET 4
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu
2. SOLDER BALLS WILL NOT BE PERFECT SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.
3. MATED HEIGHT EFFECTED BY CUSTOMER'S PCB PAD SIZE, PLATING, SOLDER REFLOW PROFILE & SOLDER PASTE.
4. PLATING FOR INDICATED -2XX SERIES PRODUCT NUMBERS MEET THE REQUIREMENTS OF GR-1217-CORE, CENTRAL OFFICE ENVIRONMENT, (25 YEAR LIFE EXPECTANCY).
5. PLATING FOR INDICATED -2XX SERIES PART NOS. IS Au OVER Ni WITH SPECIAL CONTACT GEOMETRY TO MEETS REQUIREMENTS OF TELCORDIA GR-1217-CORE: CENTRAL OFFICE ENVIRONMENT.
6. KNIT LINE: SLIGHT VISIBLE MARKS (USUALLY A LINE) INDICATING THE DIRECTION AND MEETING POINT OF PLASTIC RESIN FLOW FRONTS TRAVELING AROUND ANY OBSTRUCTIONS TO THE RESIN FLOW VIA THE REQUIRED MOLD TOOLING.

7. 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.
8. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVE 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.
9. 84520-302, -302LF, -402, -402LF, -502 AND -502LF ARE OBSOLETE.
11. A SYMBOL WILL BE NEXT TO ANY DIMENSION, NEW VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

spec ref -				dr w cadmin		1999/08/19		projection		mm		size A3		scale 2:1	
tolerance std ASME Y14.5 - TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Dave Horchler		2012/11/21						ecn no ELX-V-13515-1			
				chr -		-									
				appr R Marshall		2012/11/27						product family MEG-ARRAY			
surface ✓ ASME Y14.5		linear		0.X ±0.3 0.XX ±0.13 0.XXX ±0.051				title 6.0mm PLUG ASSEMBLY 10 X 40 = 400 POSITIONS				dwg no 54520		rev H	
ASME Y14.5		angular 0° ±2°		www.fci.com		cat. no.				Product - Customer Drw				sheet 5 of 5	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI:

[84520-202](#) [84520-002](#) [84520-192LF](#) [84520-192](#) [84520-092](#) [84520-292LF](#) [84520-092LF](#) [84520-292](#)