

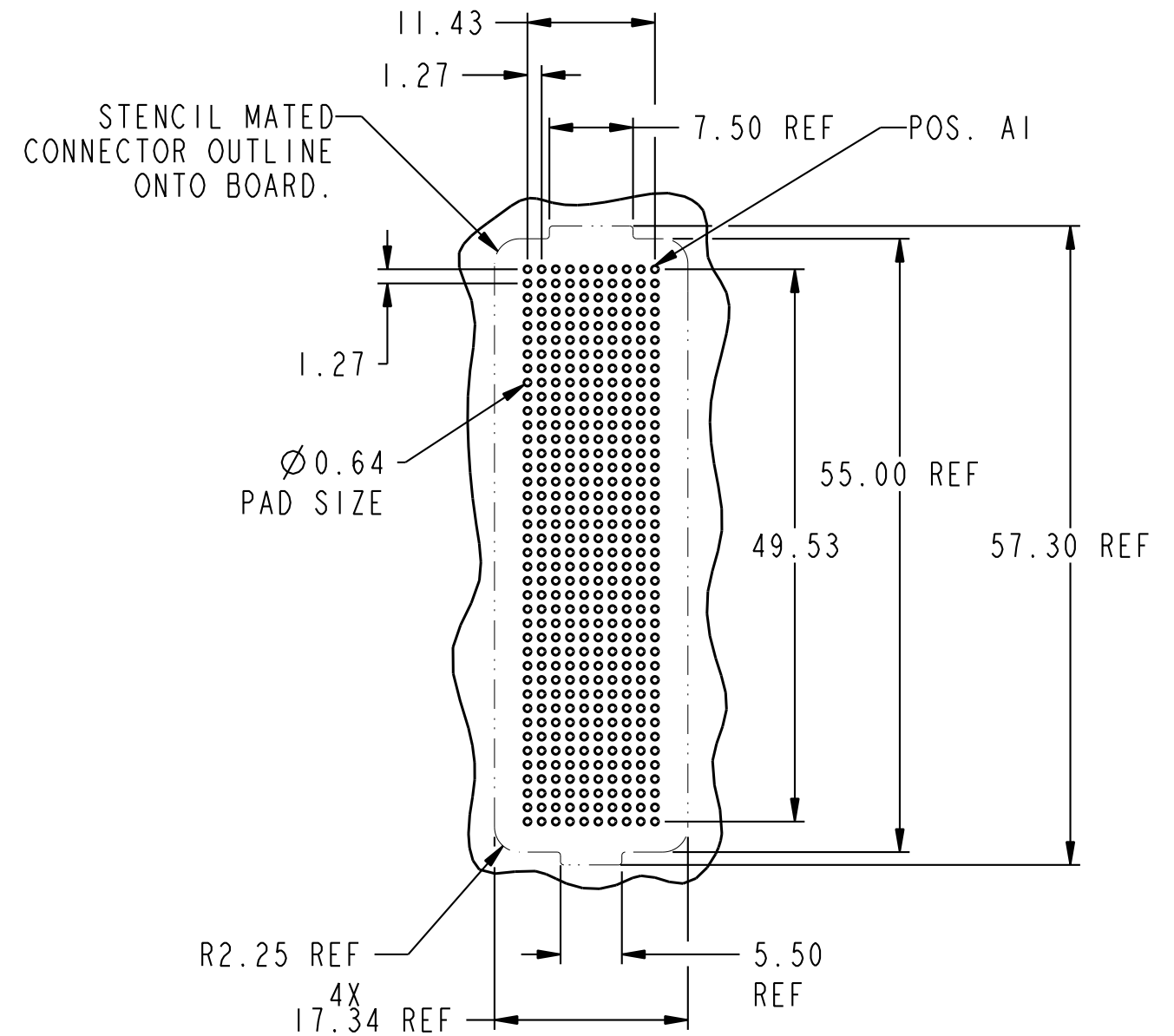
END VIEW - MATED CONNECTORS

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

RECPT. ASSY.
(SEE TABLE BELOW)

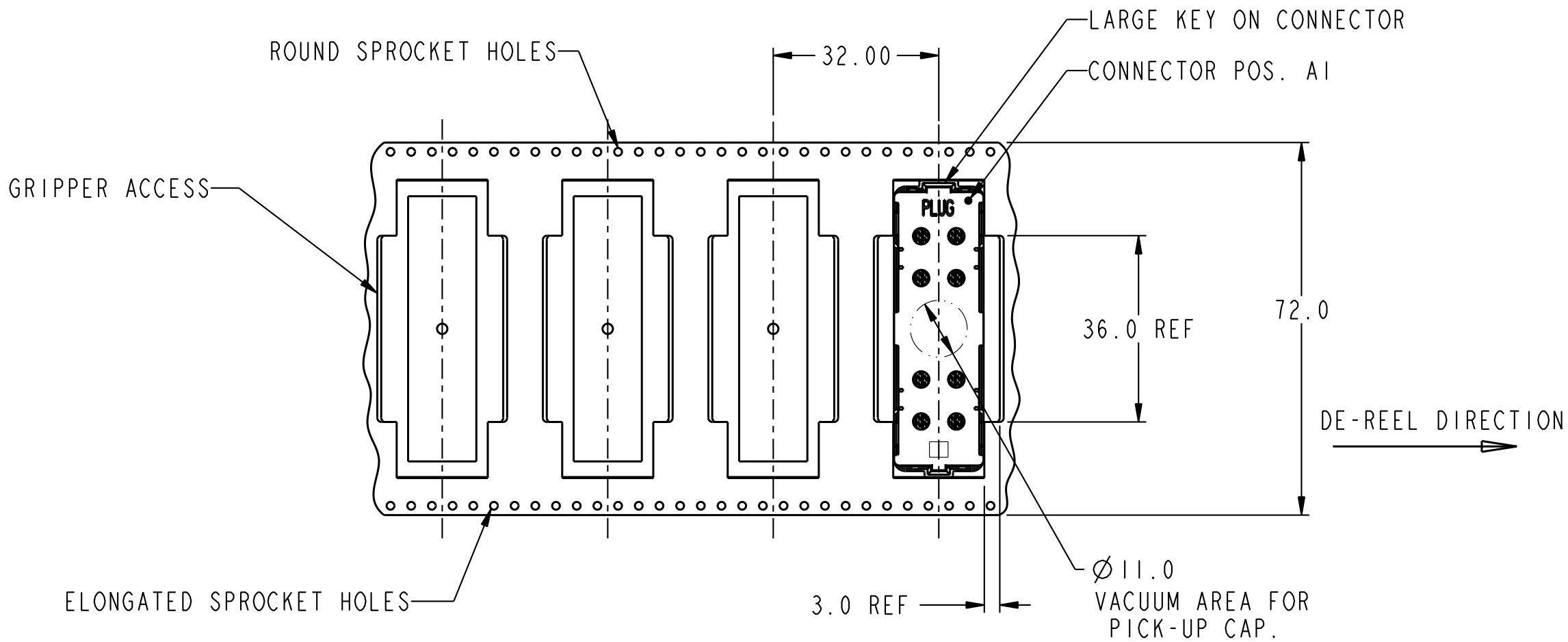
MATED HEIGHT TABLE

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 wcadmin, wcadm		1999/08/19		projection		mm		size A3		scale 10:1							
tolerance std ASME Y14.5				TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Robert Brown		2020/08/25						ecn no ELX-V-38117-1					
				chr -		-															
				appr Matthew Emenhe		2020/08/25		product family MEG-ARRAY				rel level Released									
surface		linear		0.X		±0.3		Amphenol FCI				title 6.0mm PLUG ASSEMBLY		dwg no 84520		rev J					
				0.XX		±0.13															
				0.XXX		±0.051															
ASME Y14.5		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	wcadmin, wcadm	1999/08/19	projection 	mm 	size	A3	scale	2:1
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Robert Brown	2020/08/25			ecn no	ELX-V-38117-1		
				chr	-	-			rel level	Released		
				appr	Matthew Emenhe	2020/08/25	product family		MEG-ARRAY			
surface 	linear	0.X	±0.3	Amphenol FCi	title 6.0mm PLUG ASSEMBLY 10 X 40 = 400 POSITIONS			dwg no	84520			rev J
		0.XX	±0.13									
		0.XXX	±0.051									
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.			Product - Customer Drw			sheet 3 of 5	

A

B

C

D

A

B

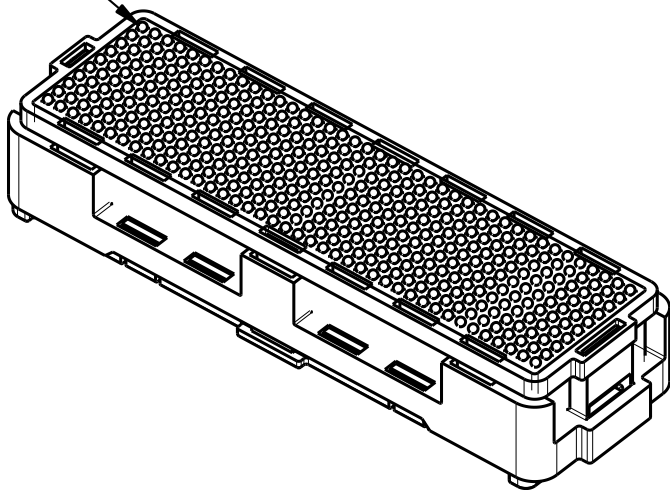
C

D

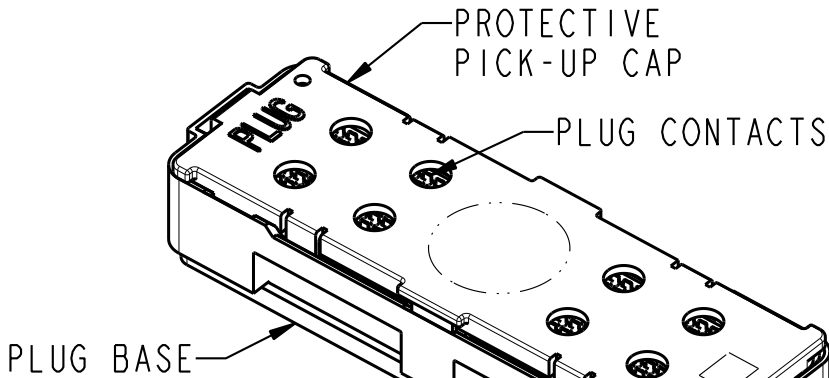
PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
84520-002	YES	15μ" / (.38μm) Au	SnPb	
84520-002LF	YES	15μ" / (.38μm) Au	LEAD FREE	8
84520-092	YES	15μ" / (.38μm) GXT	SnPb	
84520-092LF	YES	15μ" / (.38μm) GXT	LEAD FREE	8
84520-102	YES	30μ" / (.76μm) Au	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
84520-102LTLF	YES	30μ" / (.76μm) Au	LOW TEMPERATURE	8
84520-192LTLF	YES	30μ" / (.76μm) GXT	LOW TEMPERATURE	8



SOLDER BALLS



BOTTOM VIEW




TOP VIEW

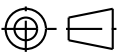


spec ref -		dr wadmin, wcadm		1999/08/19		projection		mm		size A3		scale 17:10		
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Robert Brown		2020/08/25				ecn no ELX-V-38117-1				
				chr -		-				rel level Released				
				appr Matthew Emenhe		2020/08/25							product family MEG-ARRAY	
surface	linear	0.X ±0.3		Amphenol FCI	title 6.0mm PLUG ASSEMBLY 10 X 40 = 400 POSITIONS				dwg no 84520		rev J			
		0.XX ±0.13												
		0.XXX ±0.051												
	ASME Y14.5	angular	0° ±2°		www.fci.com	cat. no.				Product - Customer Drw				sheet 4 of 5

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	wcadmin, wcadm	1999/08/19	projection 	mm 	size	A3	scale	2:1		
tolerance std ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Robert Brown	2020/08/25			ecn no	ELX-V-38117-1				
				chr	-	-								
-				appr	Matthew Emenhe	2020/08/25	product family		MEG-ARRAY					
surface 	linear	0.X	±0.3	Amphenol FCi	title	6.0mm PLUG ASSEMBLY				dwg no	84520		rev	J
		0.XX	±0.13											
		0.XXX	±0.051											
	ASME Y14.5	angular	0°	±2°										