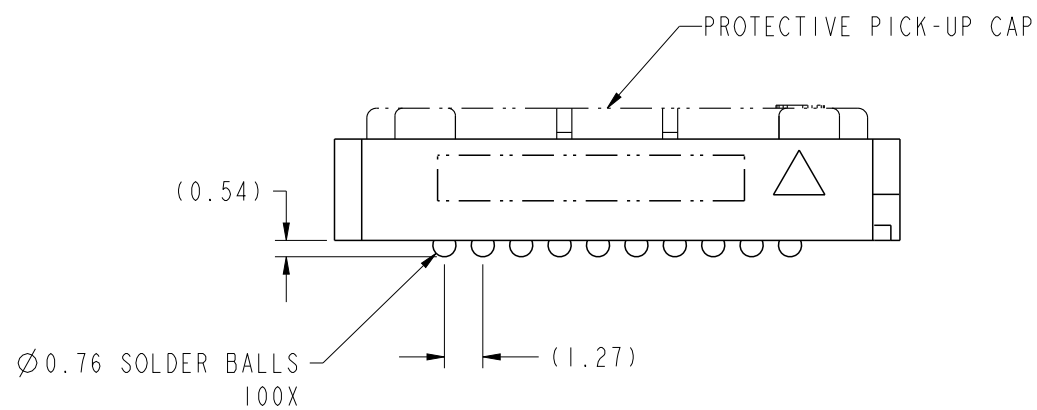
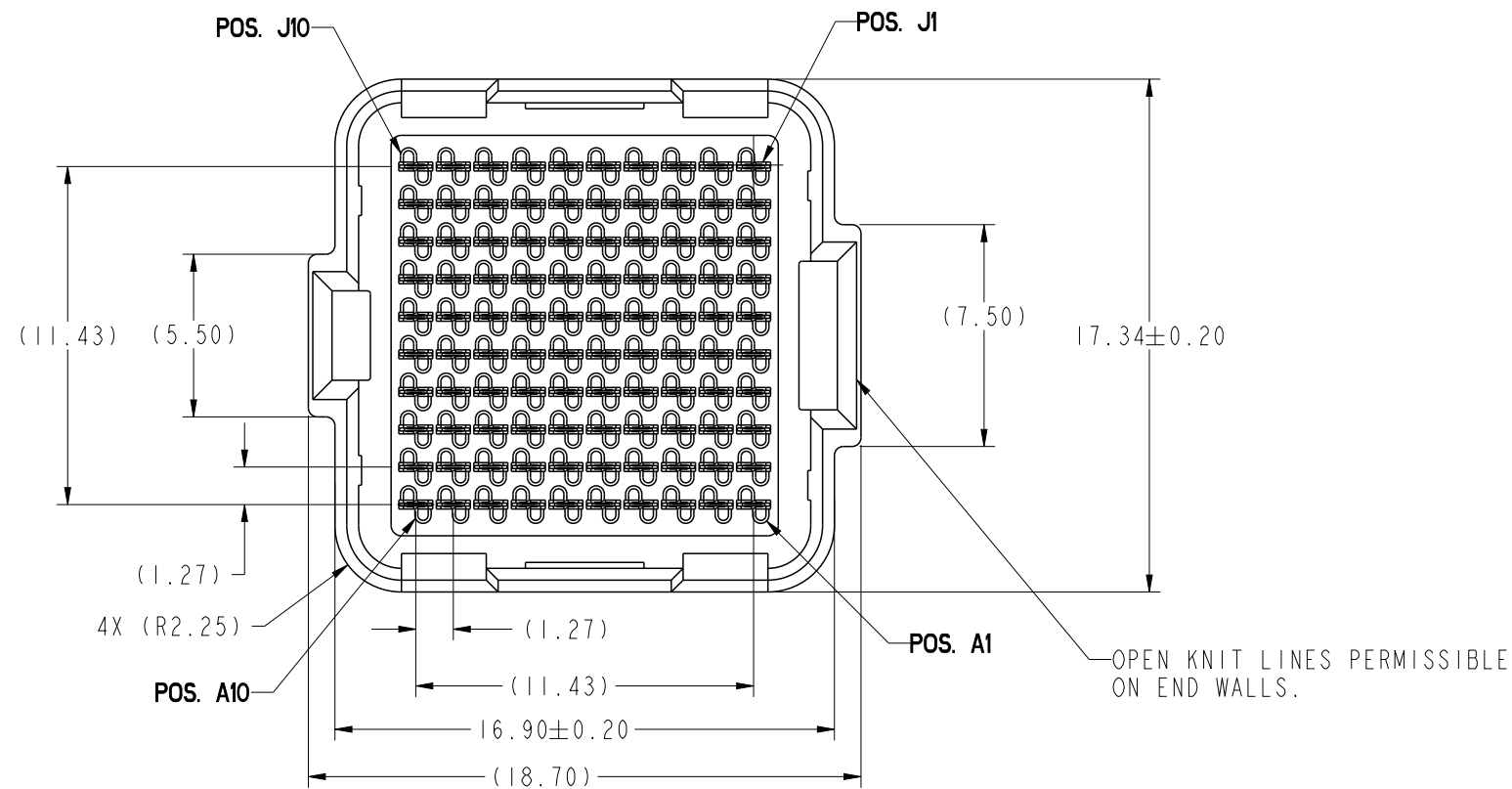


spec ref -				dr		Sanjay Hn		2025/05/12		projection		MM		size		A3		scale		4:1																	
tolerance std -				eng		Robin Johnson		2025/11/18						ecn no		ELX-V-58163-1																					
ASME Y14.5				chr		-		-						rel level		Released																					
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr		Jeremy Ellis		2025/11/18		product family										MEG-Array																	
surface ASME Y14.5 ✓		linear		0.X		±0.3		Amphenol FCI		title		0mm PLUG ASSY. 10X10=100 POS.										dwg no		84512										rev		M	
				0.XX		±0.10																															
				0.XXX		±0.050																															
ASME Y14.5		angular		0°		±2°		amphenol-icc.com		cat. no.					Product - Customer Drw										sheet 1 of 4												

PRODUCT NO.	PICK-UP CAP (NATURAL OR BLACK IN COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALLS	NOTES
84512-002	YES	15μ" (.38μm) Au	SnPb	
84512-002LF	YES	15μ" (.38μm) Au	LEAD FREE	5
84512-092	YES	15μ" (.38μm) GXT	SnPb	
84512-092LF	YES	15μ" (.38μm) GXT	LEAD FREE	5
84512-102	YES	30μ" (.76μm) Au	SnPb	
84512-102LF	YES	30μ" (.76μm) Au	LEAD FREE	5
 84512-102LFA	YES	30μ" (.76μm) Au	LEAD FREE	
84512-192	YES	30μ" (.76μm) GXT	SnPb	
84512-192LF	YES	30μ" (.76μm) GXT	LEAD FREE	5
84512-202	YES	Au SPECIAL	SnPb	3
84512-202LF	YES	Au SPECIAL	LEAD FREE	3 AND 5
84512-292	YES	GXT SPECIAL	SnPb	3
84512-292LF	YES	GXT SPECIAL	LEAD FREE	3 AND 5
84512-302	YES	15μ" (.38μm) Au SPECIAL	SnPb	6
84512-302LF	YES	15μ" (.38μm) Au SPECIAL	LEAD FREE	5 & 6
84512-402	YES	30μ" (.76μm) Au SPECIAL	SnPb	6
84512-402LF	YES	30μ" (.76μm) Au SPECIAL	LEAD FREE	5 & 6
84512-502	YES	Au SPECIAL	SnPb	3 & 6
84512-502LF	YES	Au SPECIAL	LEAD FREE	3, 5 & 6

spec ref -				dr		Sanjay Hn		2025/05/12		projection		MM		size		A3		scale		5:1													
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Robin Johnson		2025/11/18						ecn no ELX-V-58163-1																	
- ASME Y14.5						chr		-		-																							
						appr		Jeremy Ellis		2025/11/18												product family		MEG-Array		rel level		Released					
surface				linear		0.X		±0.3		Amphenol FCI		title 0mm PLUG ASSY. 10X10=100 POS.						dwg no		84512						rev		M					
																														0.XX		±0.10	
																														0.XXX		±0.050	
ASME Y14.5		angular		0°		±2°		amphenol-icc.com		cat. no.				Product - Customer Drw						sheet 2 of 4													

NOTES:

① MAT'L:

HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING:

CONTACT: (SEE TABLE ON SHEET 2)
SOLDER BALL: (SEE TABLE ON SHEET 2)
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu

2. OVERALL BOARD-TO-BOARD STACK
HEIGHT WHEN MATED TO P/N 84513
100 POSITION 4.0mm RECPT. IS 4.0mm REF.

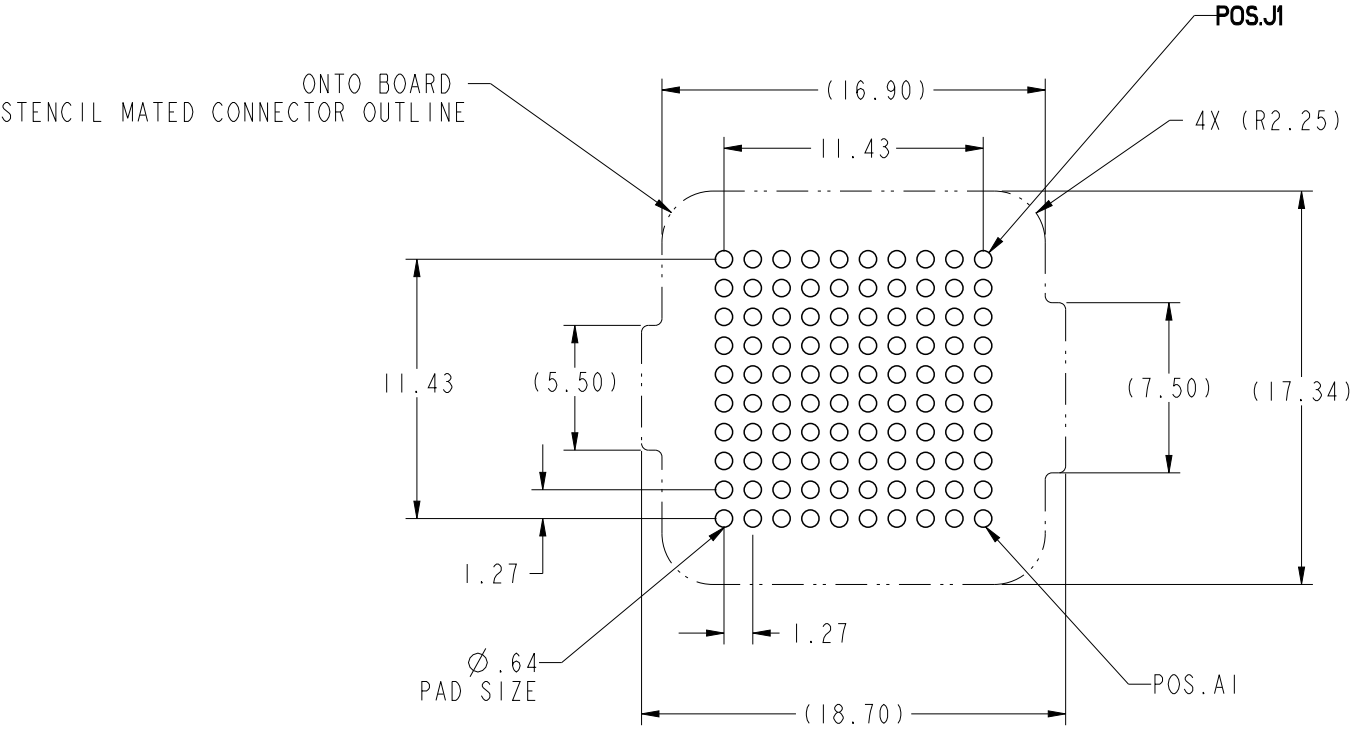
③ PLATING FOR -2XX SERIES PRODUCT NUMBERS. MEET
THE REQUIREMENTS OF CENTRAL OFFICE ENVIRONMENT, 25 YEAR LIFE EXPECTANCY.
THE CONTACTS GEOMETRY IN THESE PRODUCT NUMBERS IS SPECIAL ALSO.

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

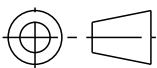
⑤ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004
PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT
CODE NUMBER MARKED ON EACH PART BY HAVING AN "X"
IN THE SEVENTH CHARACTER POSITION

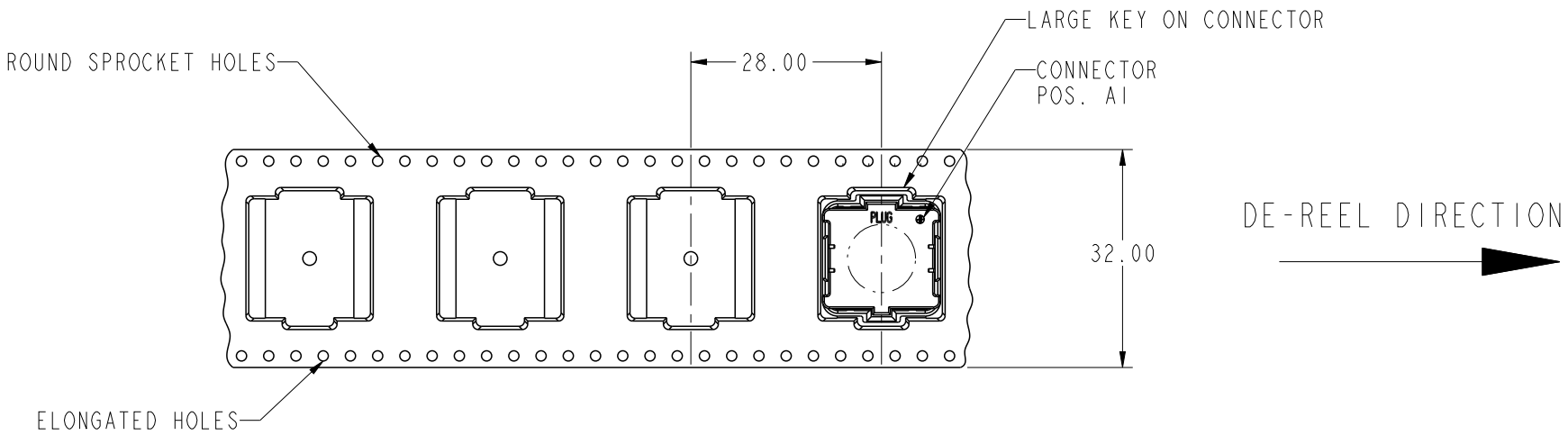
⑥ 84512-302, -302LF, -402, 402LF, -502 AND-502LF ARE OBSOLETE

7. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, NEW VIEW OR
NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



BOARD PATTERN

spec ref -				dr		Sanjay Hn		2025/05/12		projection		MM		size		A3		scale		3:1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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spec ref -				dr	Sanjay Hn	2025/05/12			size	A3	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Robin Johnson	2025/11/18			ecn no ELX-V-58163-1			
-				chr	-	-			rel level Released			
ASME Y14.5				appr	Jeremy Ellis	2025/11/18	product family MEG-Array					
surface	linear	0.X	±0.3	Amphenol FCI	title 0mm PLUG ASSY. 10X10=100 POS.			dwg no	84512			rev
		0.XX	±0.10									
		0.XXX	±0.050									
ASME Y14.5	angular	0°	±2°	amphenol-icc.com	cat. no.			Product - Customer Drw			sheet 4 of 4	