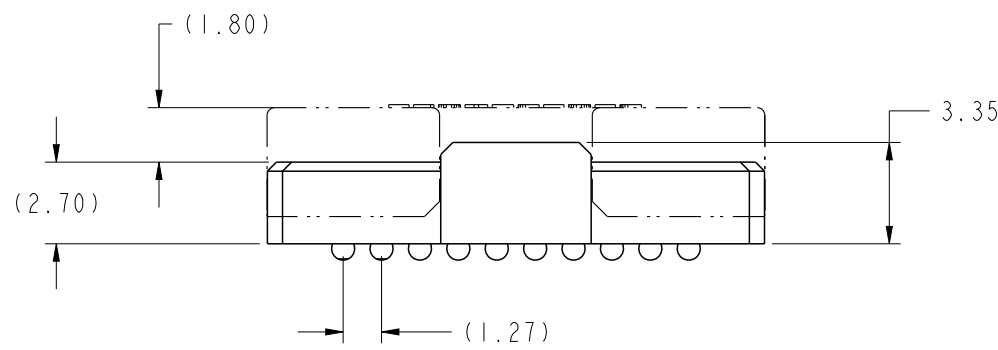
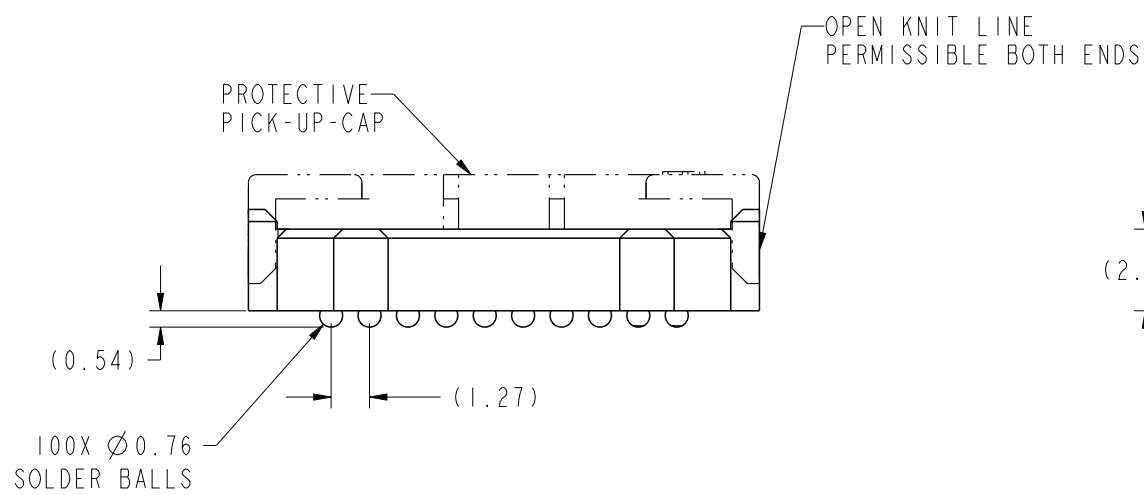
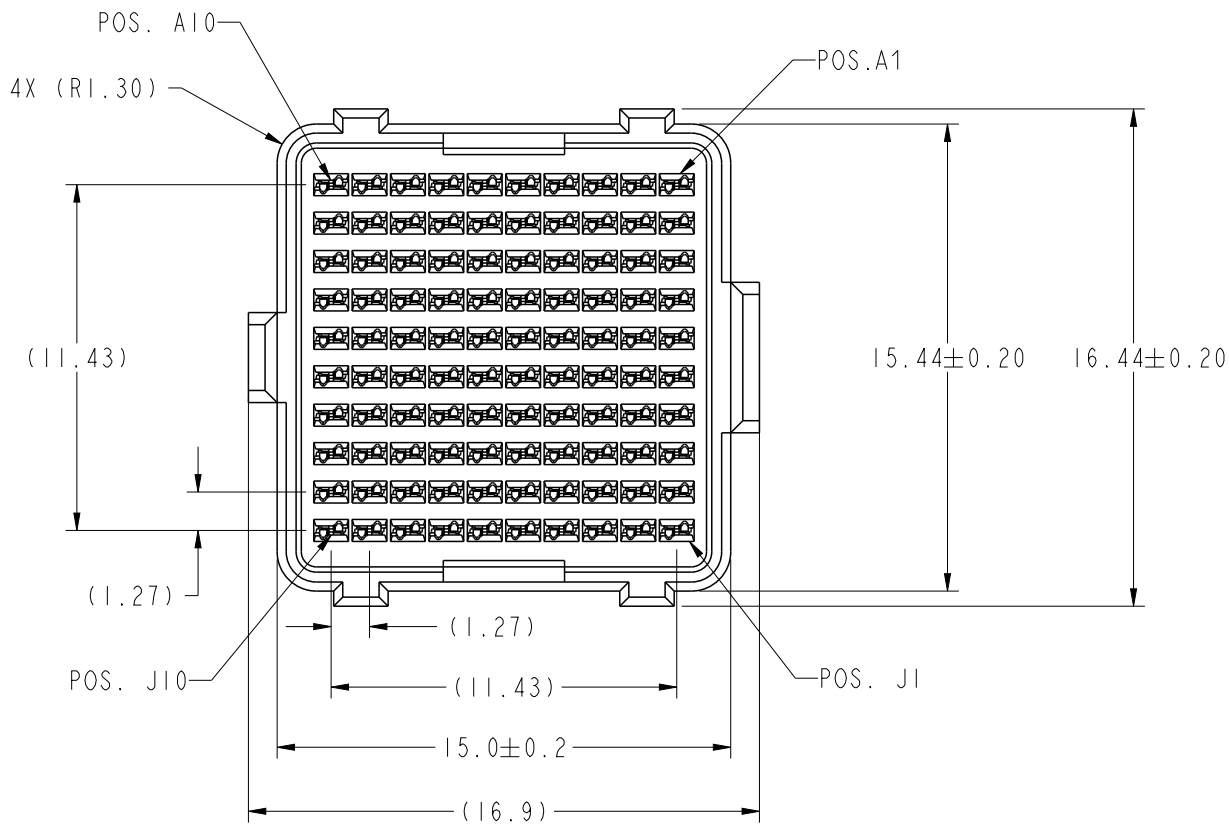




PRODUCT NO.	PICK-UP CAP (NATURAL OR BLACK IN COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
84513-001	YES	15μ" (.38μm) Au	SnPb	
84513-001LF	YES	15μ" (.38μm) Au	LEAD FREE	5
84513-091	YES	15μ" (.38μm) GXT	SnPb	
84513-091LF	YES	15μ" (.38μm) GXT	LEAD FREE	5
84513-101	YES	30μ" (.76μm) Au	SnPb	
84513-101LF	YES	30μ" (.76μm) Au	LEAD FREE	5
84513-191	YES	30μ" (.76μm) GXT	SnPb	
84513-191LF	YES	30μ" (.76μm) GXT	LEAD FREE	5
84513-201	YES	50μ" (1.27μm) Au SPECIAL	SnPb	3
84513-201LF	YES	50μ" (1.27μm) Au SPECIAL	LEAD FREE	3 AND 5
84513-291	YES	50μ" (1.27μm) GXT SPECIAL	SnPb	3
84513-291LF	YES	50μ" (1.27μm) GXT SPECIAL	LEAD FREE	3 AND 5
84513-301	YES	15μ" (.38μm) AU SPECIAL	SnPb	6
84513-301LF	YES	15μ" (.38μm) AU SPECIAL	LEAD FREE	5 AND 6
84513-401	YES	30μ" (.76μm) AU SPECIAL	SnPb	6
84513-401LF	YES	30μ" (.76μm) AU SPECIAL	LEAD FREE	5 AND 6
84513-501	YES	AU SPECIAL	SnPb	3 AND 6
84513-501LF	YES	AU SPECIAL	LEAD FREE	3, 5 AND 6

spec ref				dr		S. Praveenkuma	2025/06/04				size		A3	scale		2:1											
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Robin Johnson	2025/07/07				ecn no						ELX-V-56184-1										
ASME Y14.5				chr		-		-			rel level						Released										
-				appr		Jeremy Ellis		2025/07/07		product family				MEG-Array													
surface 3.2			linear	0.X		±.3		Amphenol FCI				title		4mm RECPT. ASSY.				dwg no		84513				rev		M	
				0.XX		±.10																					
				0.XXX		±.050																					
ASME Y14.5			angular	0°		±2°		amphenol-icc.com		cat. no.		-		Product - Customer Drw				sheet 1 of 3									

NOTES:

① MAT'L:

HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING:

CONTACT: (SEE TABLE ON SHEET 1)
SOLDER BALL: (SEE TABLE ON SHEET 1)
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu

2. OVERALL BOARD-TO-BOARD STACK

HEIGHT WHEN MATED TO P/N 84512
100 POSITION 0mm RECPT. IS 4.0mm REF.

③ PLATING FOR INDICATED -2XX SERIES PRODUCT

NUMBERS MEET THE REQUIREMENTS OF
GR-1217-CORE, CENTRAL OFFICE ENVIRONMENT, (25 YEAR LIFE
EXPECTANCY). THE CONTACTS ON THESE PRODUCT NUMBERS
ALSO HAVE SPECIAL CONTACT GEOMETRY.

④ FOR PROPER APPLICATION FOLLOW FCI APPLICATION

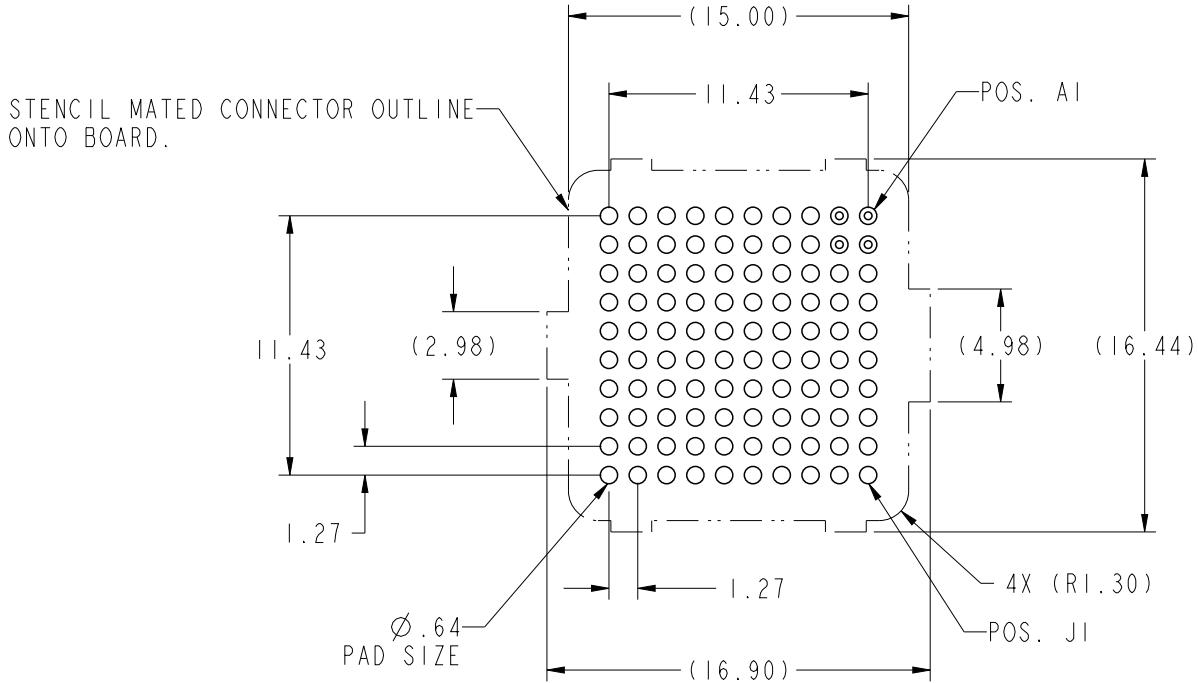
SPECIFICATION GS-20-033 LEAD FREE SOLDER BALLS WILL
NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS
DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE
PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH
LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE
FCI APPLICATION SPECIFICATION

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

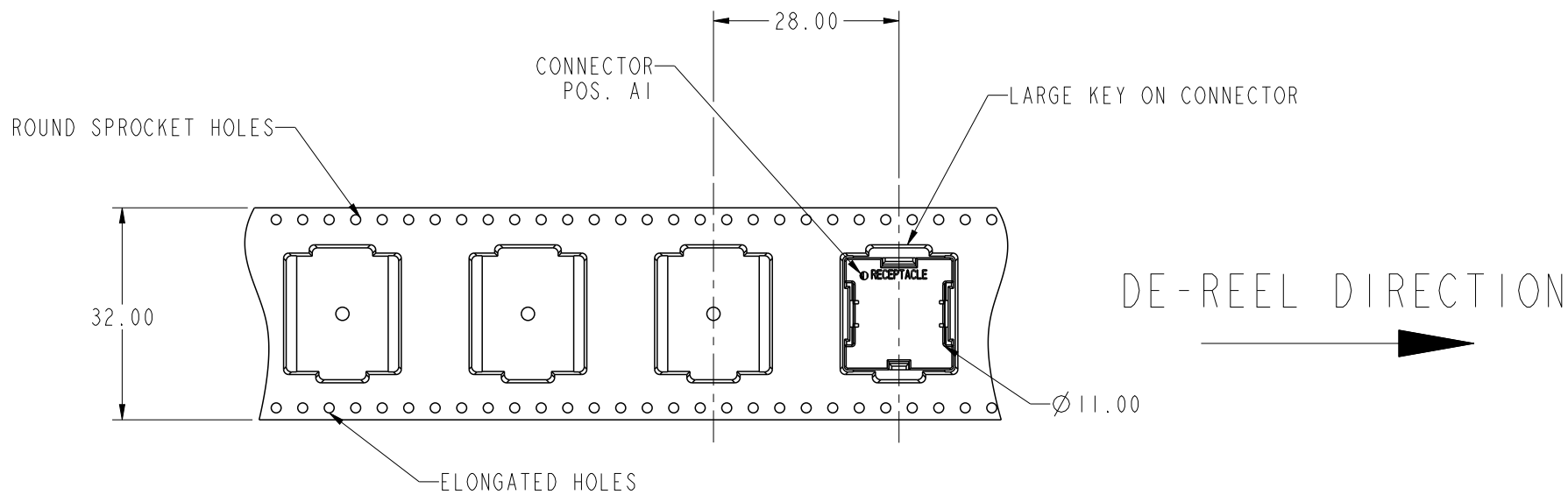
⑥ 84513-301, -301LF, -401, -401LF, -501 AND-501LF ARE OBSOLETE.

⑦ A $\triangle$ 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		S. Praveenkuma		2025/06/04		projection		mm		size		A3		scale		2:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Robin Johnson		2025/07/07						ecn no		ELX-V-56184-1									
ASME Y14.5						chr		-		-																	
-						appr		Jeremy Ellis		2025/07/07												product family		MEG-Array		rel level	
surface 3.2				linear		0.X		±.3		Amphenol FCI		title		4mm RECPT. ASSY.		dwg no		84513		rev		M					
ASME Y14.5																								0.XX		±.10	
																								0.XXX		±.050	
ASME Y14.5		angular		0°		±2°		amphenol-icc.com		cat. no.		-		Product - Customer Drw		sheet 2 of 3											



spec ref				dr		S, Praveenkuma		2025/06/04		projection		mm		size		A3		scale		4:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Robin Johnson		2025/07/07				ecn no		ELX-V-56184-1											
ASME Y14.5						chr		-		-						rel level		Released									
-						appr		Jeremy Ellis		2025/07/07				product family		MEG-Array											
surface 3.2				linear		0.X		±.3		Amphenol FCI		title		4mm RECPT. ASSY.		dwg no		84513		rev		M					
ASME Y14.5																								0.XX		±.10	
																								0.XXX		±.050	
ASME Y14.5		angular		0°		±2°		amphenol-icc.com		cat. no.		-		Product - Customer Drw		sheet 3 of 3											