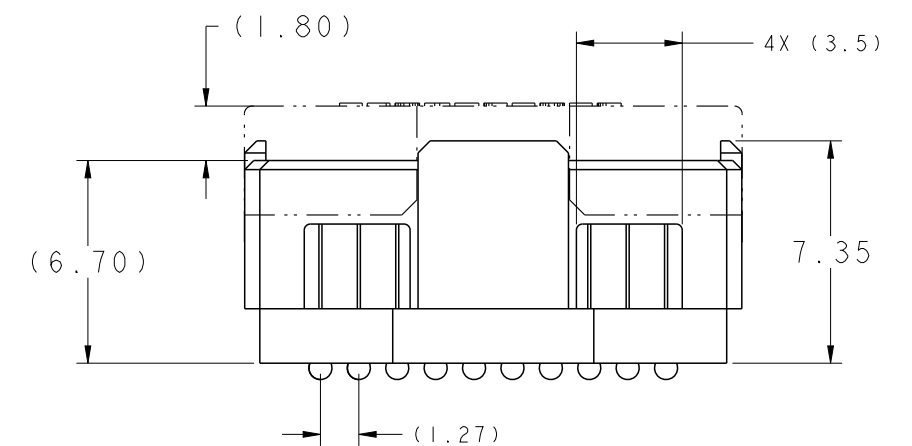
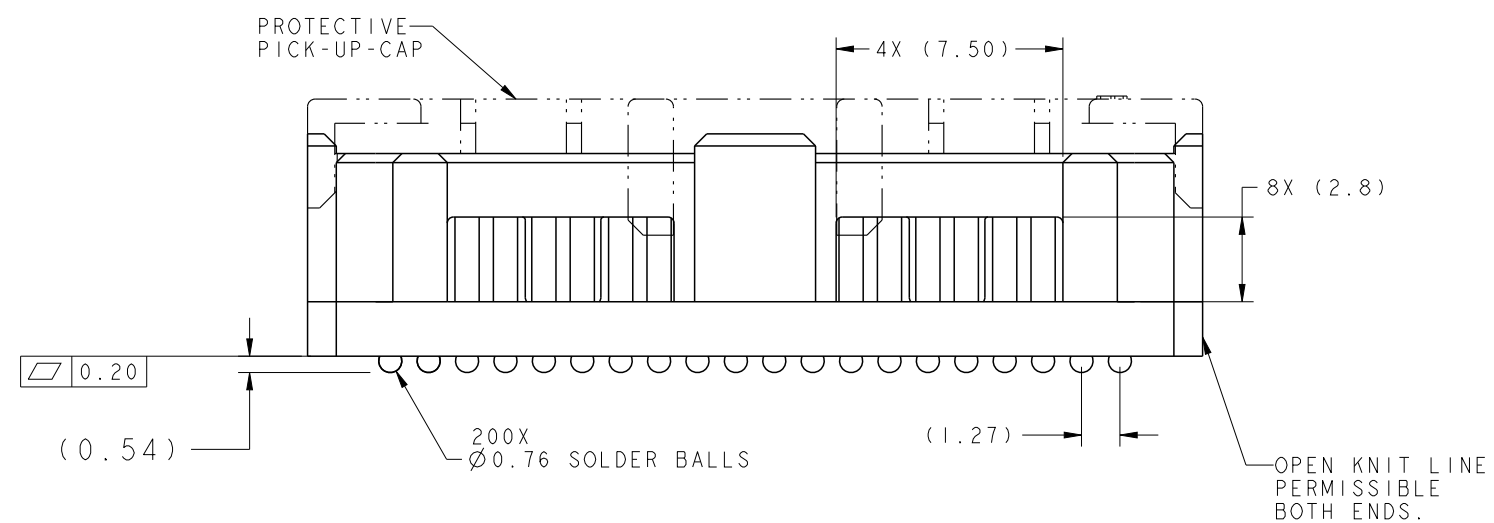
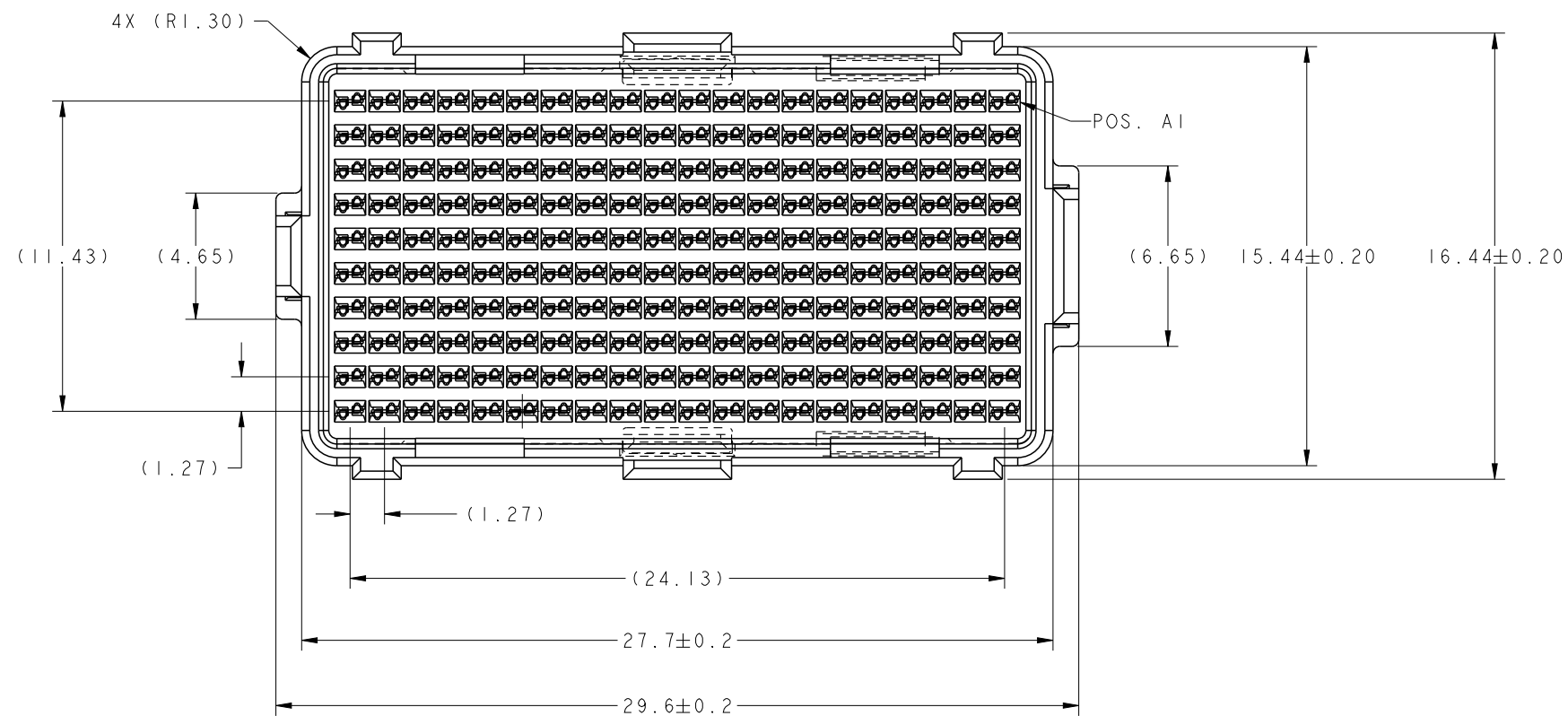
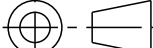




spec ref -				dr Kurdekar, Nare		2025/06/04		projection 		mm 		size A3		scale 4:1					
tolerance std ASME Y14.5 -				eng Robin Johnson		2025/07/07						ecn no ELX-V-56184-1							
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr -		-													
				appr Jeremy Ellis		2025/07/07		product family MEG-ARRAY				rel level Released							
surface 		linear		0.X		±0.3		Amphenol FCI		title 8mm RECEPTACLE ASSEMBLY				dwg no 84535		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 3	

PRODUCT NUMBER
SEE TABLE-SHEET 3

① MAT'L:

HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING:

CONTACT: (SEE TABLE ON SHEET 3)
SOLDER BALL: (SEE TABLE ON SHEET 3)
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu

2. OVERALL BOARD-TO-BOARD STACK HEIGHTS
AVAILABLE USING THIS CONNECTOR(84535):

MATED HEIGHT	WITH PLUG P/N
8mm	84516
14mm	84530

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.

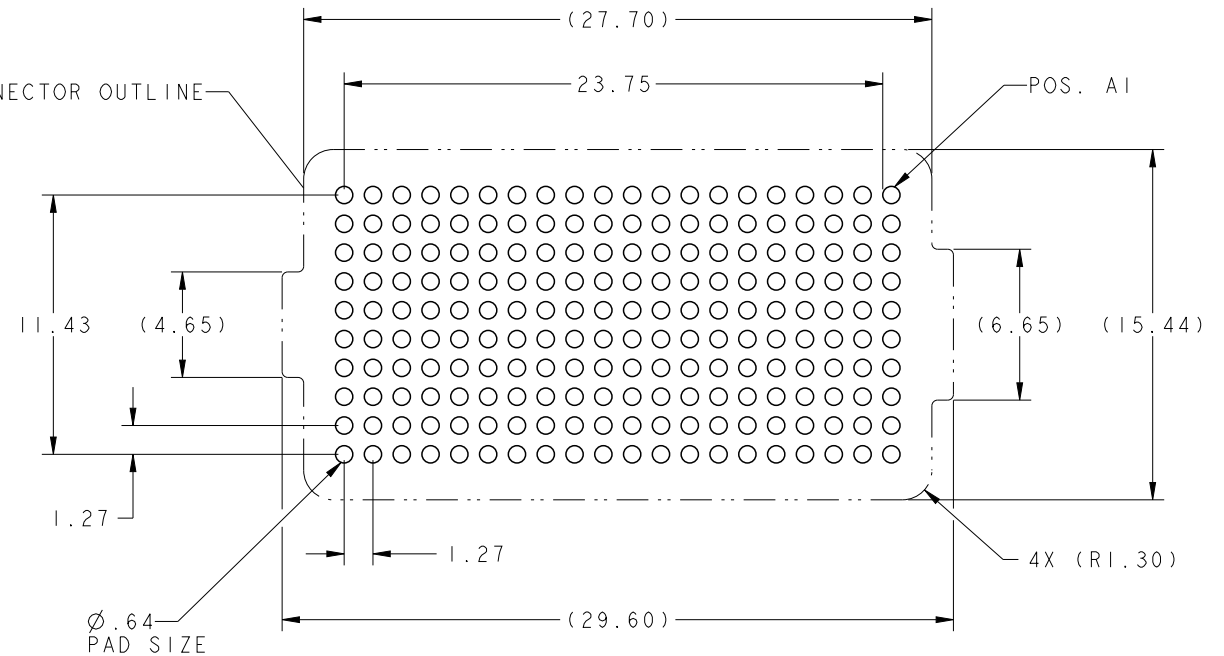
④ FOR PROPER APPLICATION FOLLOW AMPHENOL FCI APPLICATION
SPECIFICATION GS-20-033 LEAD FREE SOLDER BALLS WILL
NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS
DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE
PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH
LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE
AMPHENOL 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.

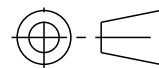
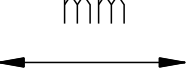
⑥ 84535-A01 AND -A01LF ARE CUSTOMER SPECIALS.

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

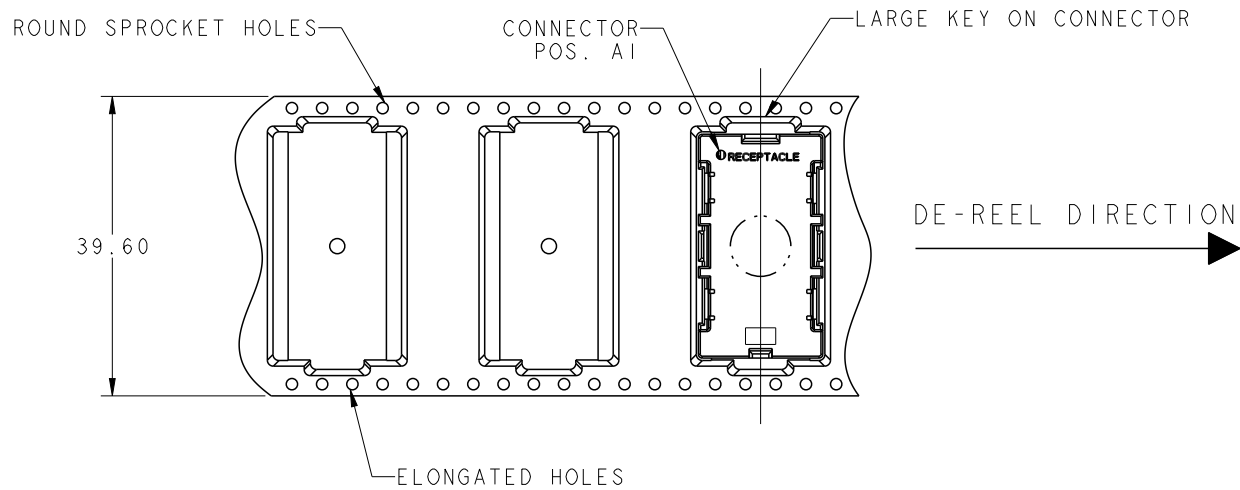
STENCIL MATED CONNECTOR OUTLINE
ONTO BOARD.



BOARD PATTERN

spec ref -				dr	Kurdekar, Nare	2025/06/04			size	A3	scale	10:1
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 ASME Y14.5	linear	0.X	±0.3		title 8mm RECEPTACLE ASSEMBLY 10 X 20 = 200 POSITIONS				dwg no 84535		rev M	
		0.XX	±0.10									
		0.XXX	±0.050									
	angular	0°	±2°	amphenol-icc.com	cat. no.		Product - Customer Drw				sheet 2 of 3	

PRODUCT NUMBER	PICK-UP-CAP NATURAL OR BLACK COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTE
84535-001	YES	15μ" (0.38μm) Au	SnPb	
84535-001LF	YES	15μ" (0.38μm) Au	LEAD FREE	5
84535-091	YES	15μ" (0.38μm) GXT	SnPb	
84535-091LF	YES	15μ" (0.38μm) GXT	LEAD FREE	5
84535-101	YES	30μ" (0.76μm) Au	SnPb	
84535-101LF	YES	30μ" (0.76μm) Au	LEAD FREE	5
84535-191	YES	30μ" (0.76μm) GXT	SnPb	
84535-191LF	YES	30μ" (0.76μm) GXT	LEAD FREE	5
84535-201	YES	50μ" (1.27μm) Au SPECIAL	SnPb	3
84535-201LF	YES	50μ" (1.27μm) Au SPECIAL	LEAD FREE	3 AND 5
84535-291	YES	50μ" (1.27μm) GXT SPECIAL	SnPb	3
84535-291LF	YES	50μ" (1.27μm) GXT SPECIAL	LEAD FREE	3 AND 5
84535-A01	YES	30μ" / 0.76μm SPECIAL	SnPb	6
84535-A01LF	YES	30μ" / 0.76μm SPECIAL	Low Temp	5 AND 6
84535-101LT1F	YES	30μ" (0.76μm) Au	Low Temp	5
84535-191LT1F	YES	30μ" (0.76μm) GXT	Low Temp	5



spec ref	-	dr	Kurdekar, Nare	2025/06/04	projection	mm	size	A3	scale	1:1
tolerance std	ASME Y14.5	eng	Robin Johnson	2025/07/07	chr	-	ecn no	ELX-V-56184-1	rel level	Released
surface	linear	appr	Jeremy Ellis	2025/07/07	product family	MEG-ARRAY	dwg no	84535	rev	M
ASME Y14.5	angular	0°	±2°	Amphenol FCI	8mm RECEPTACLE ASSEMBLY	10 X 20 = 200 POSITIONS	cat. no.	Product - Customer Drw	sheet 3 of 3	