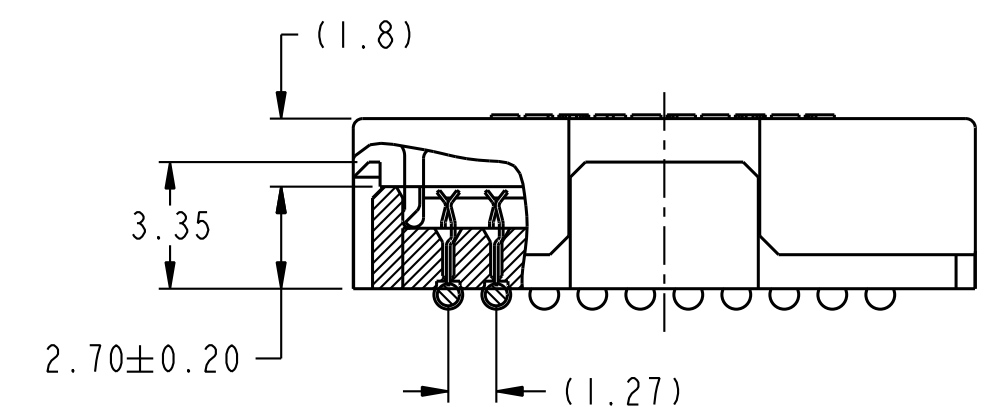
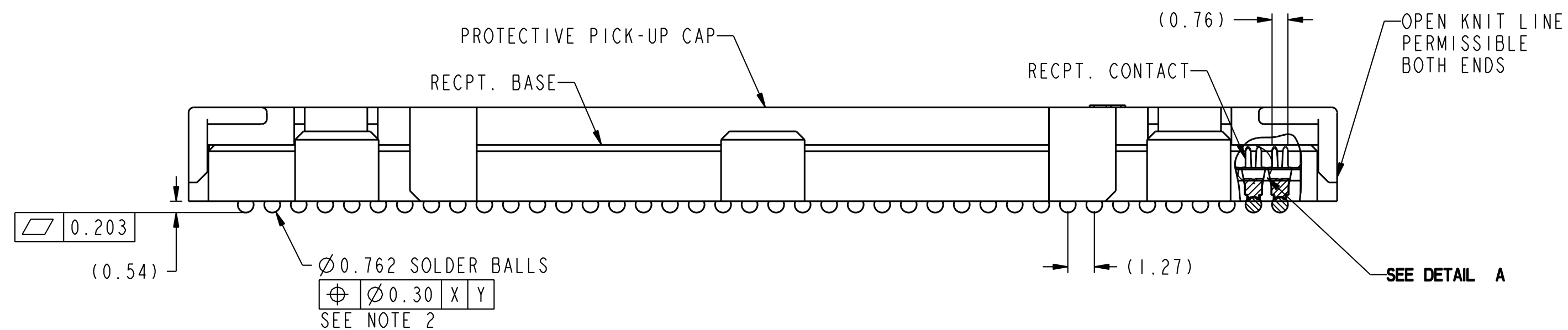
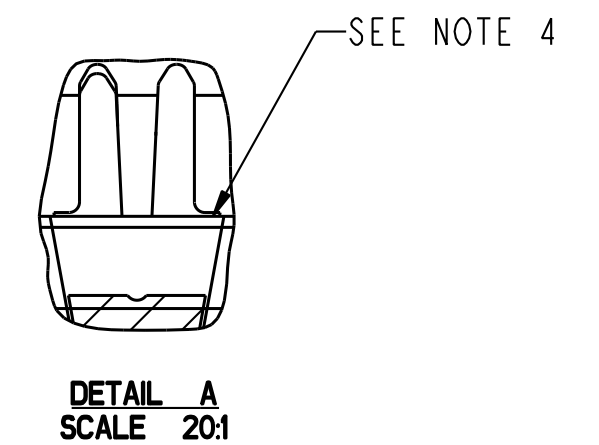
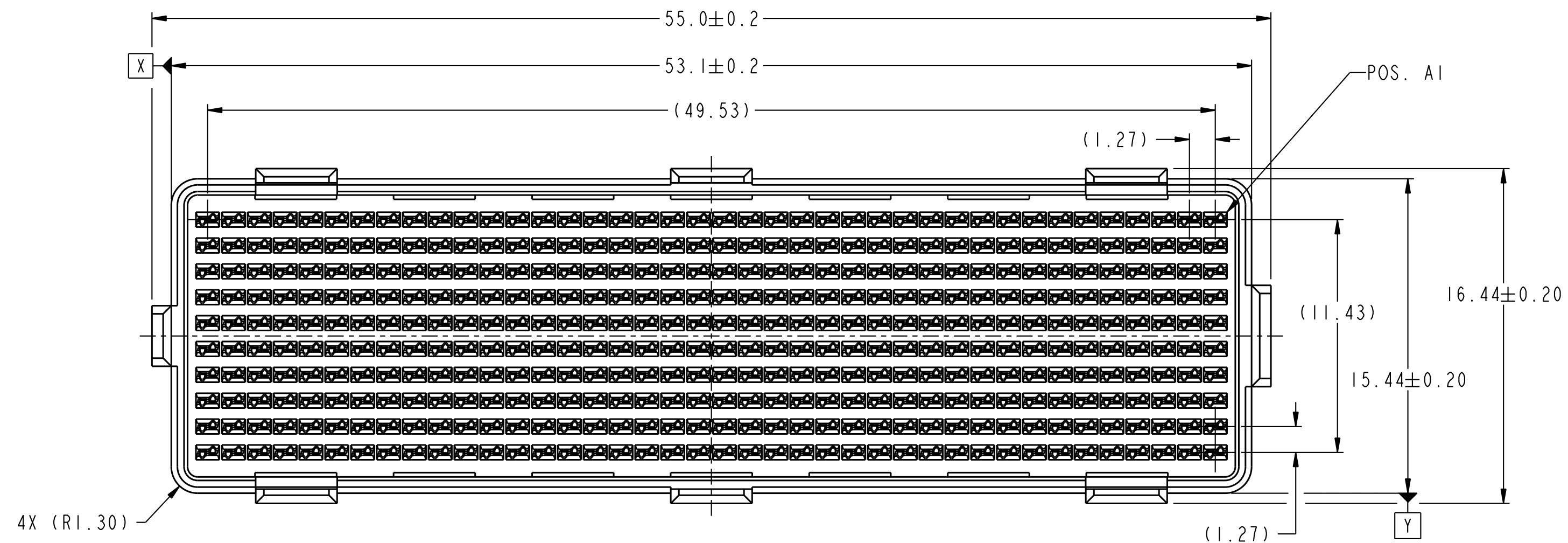




spec ref -				dr Chougale, Nand		2018/02/15				projection		size A2		scale 5:1	
tolerance std ASME Y14.5				eng Chris Schroll		2021/03/26				MM		ecp no ELX-V-40495-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr -		-				← →		rel level Released			
-				appr Matthew Emme		2021/04/15		product family		MEG-ARRAY					
surface		linear	0.X ±0.3	Amphenol FCI		title 4mm RECEPTACLE ASSEMBLY		dwg no 74221		rev W					
			0.XX ±0.13												
			0.XXX ±0.050												
ASME Y14.5		angular	0° ±2°			cat. no.		Product - Customer Drw		sheet 1 of 4					

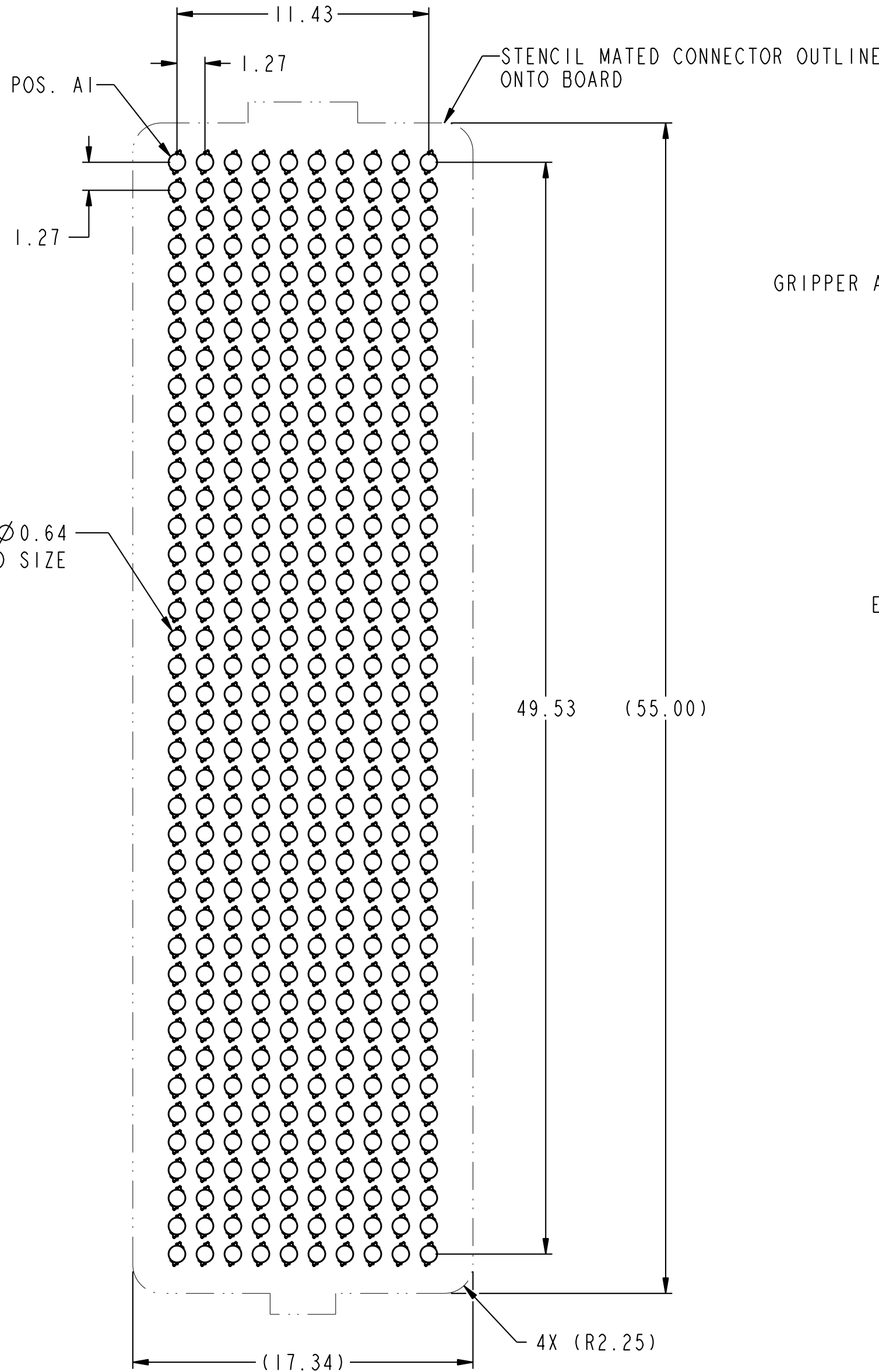
PRODUCT NUMBER
SEE TABLE-SHEET 3

RECEPTACLE

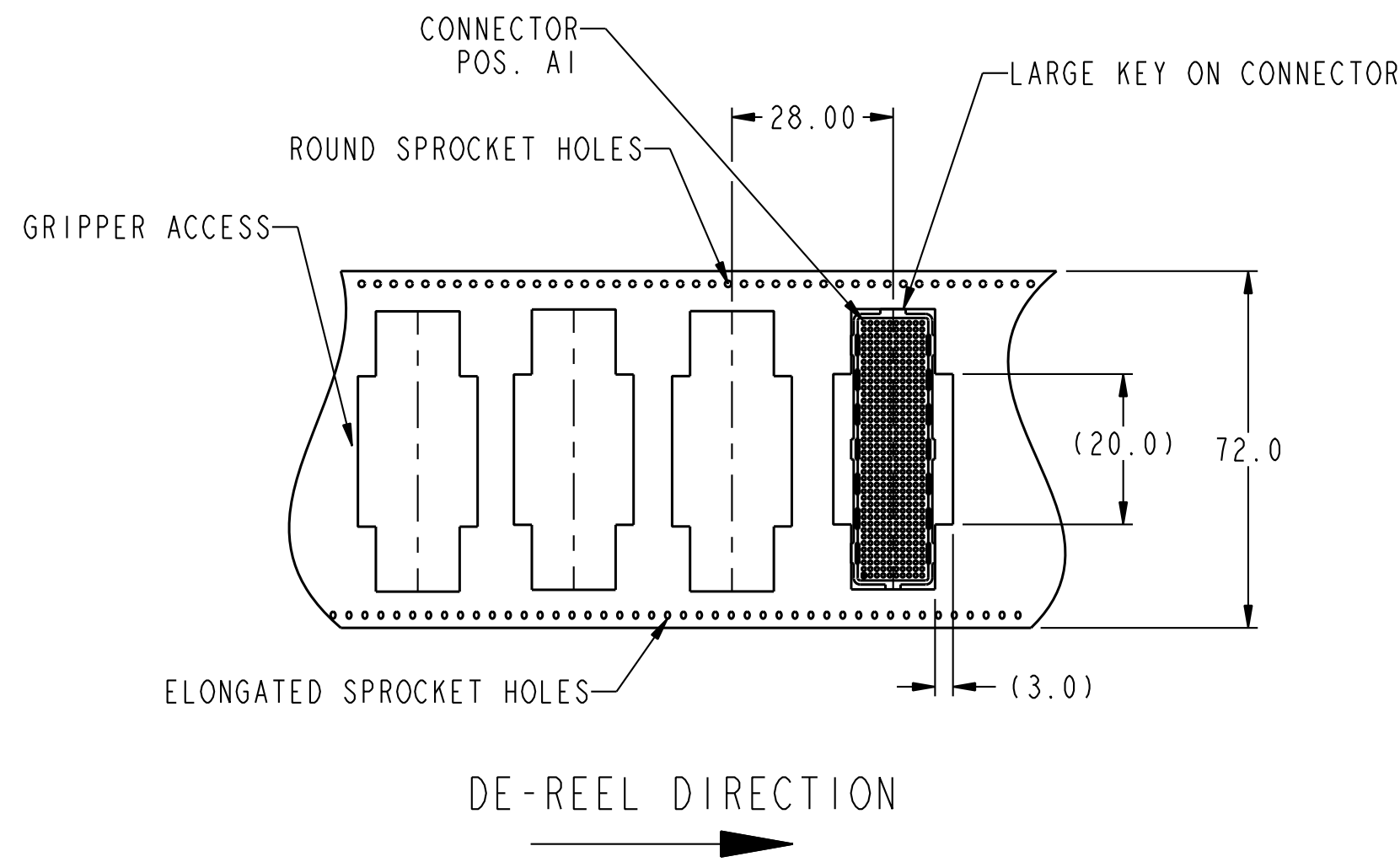
42.0

NOTE 9

FLAT AREA FOR
PICK-UP CAP



BOARD PATTERN



TAPE & REEL PACKAGING
PER EIA 481-3

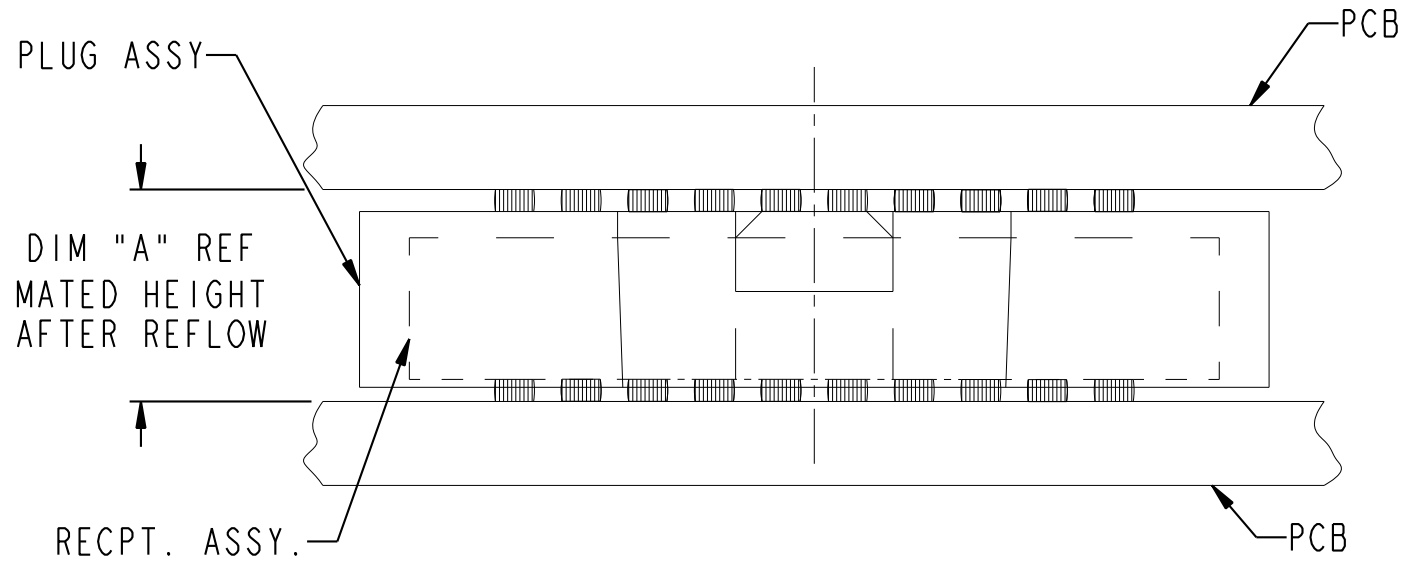
spec ref	-	dr	Chougale, Nand	2018/02/15	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5	eng	Chris Schroll	2021/03/26	chr	-	ecn no	ELX-V-40495-1		
surface	✓	appr	Matthew Emenhe	2021/04/13	product family	MEG-ARRAY	rel level	Released		
linear	0.X ±0.3 0.XX ±0.13 0.XXX ±0.050	Amphenol FCi	4mm RECEPTACLE ASSEMBLY	10 X 40 = 400 POSITIONS	cat. no.	Product - Customer Drw	sheet 2 of 4	rev	W	
angular	0° ±2°									

PDS: Rev :W

STATUS:Released

Printed: Oct 21, 2021

1		2	3	4	5	6	7	8
PRODUCT NUMBER		PICK-UP CAP	CONTACT PLATING	SOLDER BALLS	NOTES			
A	74221-001	YES	15μ" (0.38μm) Au	SnPb	-			
	74221-001BF	YES	15μ" (0.38μm) Au	SnPb	12			
	74221-001LF	YES	15μ" (0.38μm) Au	SnAgCu LEAD FREE	7			
	74221-001BLF	YES	15μ" (0.38μm) Au	SnAgCu LEAD FREE	7 AND 12			
	74221-091	YES	15μ" (0.38μm) GXT	SnPb	-			
	74221-091BF	YES	15μ" (0.38μm) GXT	SnPb	12			
	74221-091LF	YES	15μ" (0.38μm) GXT	SnAgCu LEAD FREE	7			
	74221-091BLF	YES	15μ" (0.38μm) GXT	SnAgCu LEAD FREE	7 AND 12			
B	74221-101	YES	30μ" (0.76μm) Au	SnPb	-			
	74221-101BF	YES	30μ" (0.76μm) Au	SnPb	12			
	74221-101LF	YES	30μ" (0.76μm) Au	SnAgCu LEAD FREE	7			
	74221-101BLF	YES	30μ" (0.76μm) Au	SnAgCu LEAD FREE	7 AND 12			
	74221-191	YES	30μ" (0.76μm) GXT	SnPb	-			
	74221-191BF	YES	30μ" (0.76μm) GXT	SnPb	12			
	74221-191LF	YES	30μ" (0.76μm) GXT	SnAgCu LEAD FREE	7			
	74221-191BLF	YES	30μ" (0.76μm) GXT	SnAgCu LEAD FREE	7 AND 12			
C	74221-201	YES	Au SPECIAL	SnPb	5			
	74221-201BF	YES	Au SPECIAL	SnPb	5 AND 12			
	74221-201LF	YES	Au SPECIAL	SnAgCu LEAD FREE	5 AND 7			
	74221-201BLF	YES	Au SPECIAL	SnAgCu LEAD FREE	5, 7 AND 12			
	74221-291	YES	GXT SPECIAL	SnPb	5			
	74221-291BF	YES	GXT SPECIAL	SnPb	12			
	74221-291LF	YES	GXT SPECIAL	SnAgCu LEAD FREE	5 AND 7			
	74221-291BLF	YES	GXT SPECIAL	SnAgCu LEAD FREE	5, 7 AND 12			
D	74221-A01	YES	30μ" (0.76μm) Au SPECIAL	SnPb	8			
	74221-A01BF	YES	30μ" (0.76μm) Au SPECIAL	SnPb	8 AND 12			
	74221-A01LF	YES	30μ" (0.76μm) Au SPECIAL	SnAgCu LEAD FREE	7 AND 8			
	74221-A01BLF	YES	30μ" (0.76μm) Au SPECIAL	SnAgCu LEAD FREE	7, 8 AND 12			
	74221-101LTLF	YES	30μ" (0.76μm) Au	LOW TEMPERATURE	7			
	74221-101BLTLF	YES	30μ" (0.76μm) Au	LOW TEMPERATURE	7 AND 12			
	74221-191LTLF	YES	30μ" (0.76μm) GXT	LOW TEMPERATURE	7			
	74221-191BLTLF	YES	30μ" (0.76μm) GXT	LOW TEMPERATURE	7 AND 12			



MATED HEIGHT TABLE		
DIM. A	PLUG ASSY. P/N	RECPT. ASSY. P/N
4.0	84740	74221
10.0	84520	74221

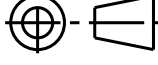
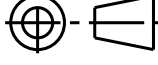
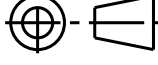
MATED HEIGHT AFTER REFLOW IS BASED ON Ø 0.64mm PAD (METAL-DEFINED) AND 0.13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3

END VIEW - MATED CONNECTORS

spec ref -			dr Chougale, Nand		2018/02/15				size A2		scale 3:1	
tolerance std ASME Y14.5		TOLERANCES UNLESS OTHERWISE SPECIFIED	eng Chris Schroll		2021/03/26				ecn no ELX-V-40495-1			
			chr -						rel level Released			
			appr Matthew Emenhe		2021/04/13		product family MEG-ARRAY					
surface		linear	0.X ±0.3		Amphenol FCI	4mm RECEPTACLE ASSEMBLY			74221		rev W	
			0.XX ±0.13									
			0.XXX ±0.050									
ASME Y14.5		angular	0° ±2°		cat. no.		Product - Customer Drw			sheet 3 of 4		

Amphenol FCI

© 2020 Amphenol Corporation

1	2	3	4	5	6	7	8																																																																																															
PRODUCT NUMBER SEE TABLE-SHEET 3																																																																																																						
NOTES: ① MATERIAL: HOUSING: LCP, MEETS UL94 V-0 OR BETTER. 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 SOLDER BALLS WILL NOT HAVE PERFECT SPHERICAL SHAPES DUE TO REFLOW ATTACHMENT. ③ MATED HEIGHT EFFECTED BY CUSTOMER’S PCB PAD SIZE, PLATING SOLDER REFLOW PROFILE & SOLDER PASTE. ④ NO TIN\LEAD OR FLUX ABOVE TERMINAL SHOULDER. ⑤ PLATING FOR -2XX SERIES DASH NOS. MEETS THE REQUIREMENTS OF GR-1217-CORE, CENTRAL OFFICE ENVIROMENT,(25 YEAR LIFE EXPECTANCY). ⑥ FOR PROPER APPLICATION FOLLOW AFCI 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 AFCI APPLICATION SPECIFICATION. ⑦ 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. ⑧ 74221-A01,-A01LF HAVE CUSTOMER SPECIAL PLATING. ⑨ CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE AREA SHOWN. ⚠ 10. A ⚠ SYMBOL WILL BE NEXT TO ANY DIMENSION, NEW VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION. 11. -301,-301LF,-401,-401LF,-501,-501LF ARE OBOSOLETE AND REMOVED FROM THE PRODUCT NUMBER TABLE. ⚠ ⑫ FOR THESE DASH NUMBERS, PRODUCT IS BERYLLIUM FREE. <table><tr><td colspan="2">spec ref</td><td colspan="2">-</td><td>dr</td><td>Chougale, Nand</td><td>2018/02/15</td><td>projection</td><td>MM</td><td>size</td><td>A2</td><td>scale</td><td>3:1</td></tr><tr><td colspan="2">tolerance std</td><td colspan="2">ASME Y14.5</td><td>eng</td><td>Chris Schroll</td><td>2021/03/26</td><td rowspan="3"></td><td rowspan="3"></td><td colspan="4">ecn no</td><td>ELX-V-40495-1</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td>chr</td><td>-</td><td>-</td><td colspan="4">rel level</td><td>Released</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td>appr</td><td>Matthew Emenhe</td><td>2021/04/13</td><td colspan="4">product family</td><td>MEG-ARRAY</td></tr><tr><td colspan="2">surface</td><td rowspan="3">linear</td><td>0.X</td><td>±0.3</td><td rowspan="3">Amphenol FCI</td><td rowspan="3">title</td><td colspan="4">4mm RECEPTACLE ASSEMBLY</td><td rowspan="3">dig no</td><td rowspan="4">74221</td><td rowspan="5">rev</td><td rowspan="3">W</td></tr><tr><td colspan="2"></td><td>0.XX</td><td>±0.13</td><td colspan="4"></td></tr><tr><td colspan="2"></td><td>0.XXX</td><td>±0.050</td><td colspan="4"></td></tr><tr><td colspan="2">ASME Y14.5</td><td>angular</td><td>0°</td><td>±2°</td><td colspan="2">cat. no.</td><td colspan="4">Product - Customer Drw</td><td colspan="2">sheet 4 of 4</td></tr></table> Cree File:ELX-MC-A2C_REV F_2020-12-21 1 2 3 4 5 PDS: Rev :W STATUS:Released Printed: Oct 21, 2021								spec ref		-		dr	Chougale, Nand	2018/02/15	projection	MM	size	A2	scale	3:1	tolerance std		ASME Y14.5		eng	Chris Schroll	2021/03/26			ecn no				ELX-V-40495-1					chr	-	-	rel level				Released					appr	Matthew Emenhe	2021/04/13	product family				MEG-ARRAY	surface		linear	0.X	±0.3	Amphenol FCI	title	4mm RECEPTACLE ASSEMBLY				dig no	74221	rev	W			0.XX	±0.13							0.XXX	±0.050					ASME Y14.5		angular	0°	±2°	cat. no.		Product - Customer Drw				sheet 4 of 4	
spec ref		-		dr	Chougale, Nand	2018/02/15	projection	MM	size	A2	scale	3:1																																																																																										
tolerance std		ASME Y14.5		eng	Chris Schroll	2021/03/26			ecn no				ELX-V-40495-1																																																																																									
				chr	-	-			rel level				Released																																																																																									
				appr	Matthew Emenhe	2021/04/13			product family				MEG-ARRAY																																																																																									
surface		linear	0.X	±0.3	Amphenol FCI	title	4mm RECEPTACLE ASSEMBLY				dig no	74221	rev	W																																																																																								
			0.XX	±0.13																																																																																																		
			0.XXX	±0.050																																																																																																		
ASME Y14.5		angular	0°	±2°	cat. no.		Product - Customer Drw				sheet 4 of 4																																																																																											

Amphenol FCI

© 2020 Amphenol Corporation