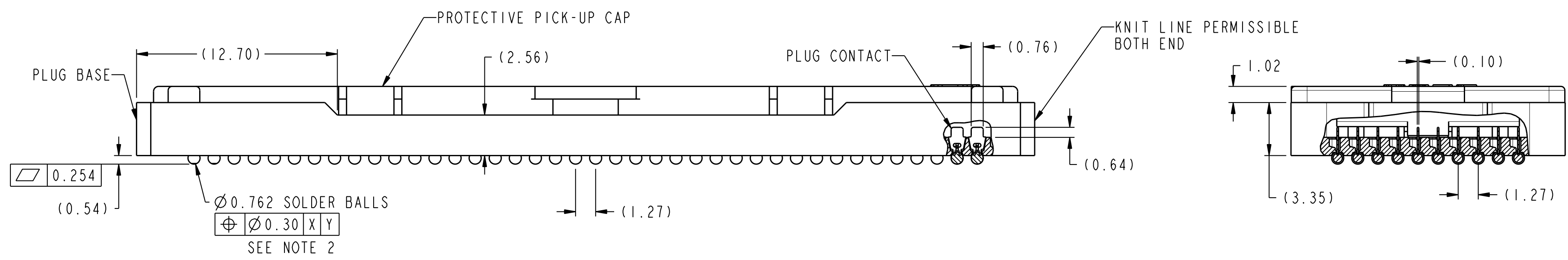
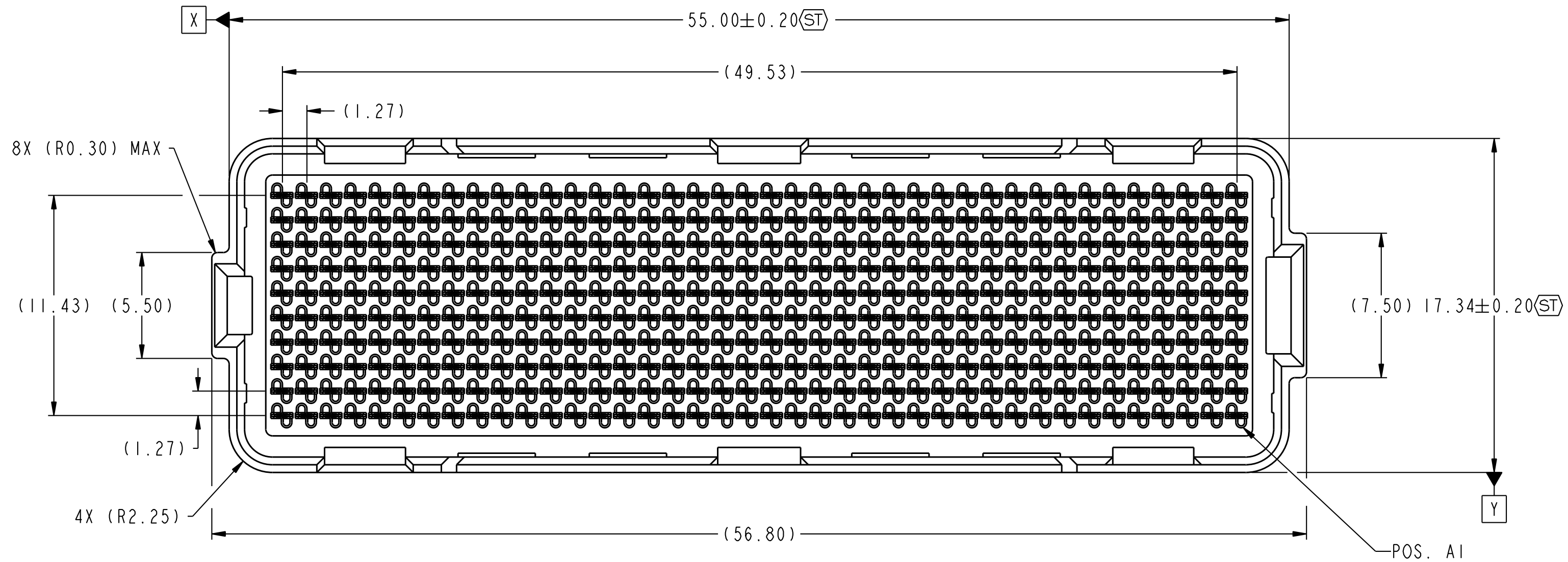


PRODUCT NUMBER  
SEE TABLE-SHEET 5

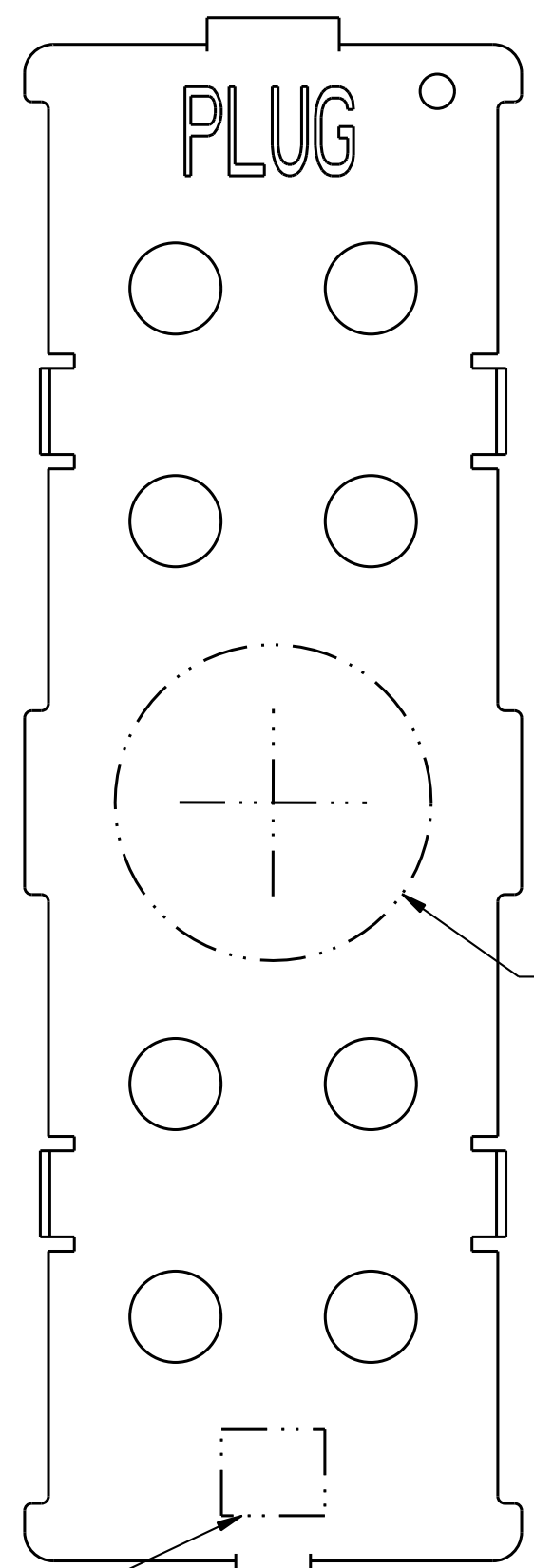


Ø 0.762 SOLDER BALLS  
 $\oplus \begin{matrix} \text{Ø} 0.30 & X & Y \end{matrix}$   
 SEE NOTE 2

spec ref	-	dr	Rajendran, Kar	2018/01/31	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Robert Brown	2019/02/16			ecn no	ELX-V-32686-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr						
surface	linear	0.X	±0.3	<b>Amphenol FCI</b>		title Omm PLUG ASSEMBLY 10 X 40 = 400 POSITIONS		rev S		
		0.XX	±0.10							
		0.XXX	±0.050							
ASME Y14.5	angular	0°	±2°	cat. no.	Product - Customer Drw		sheet 1 of 4			

© 2016 APCI Amphenol FCI

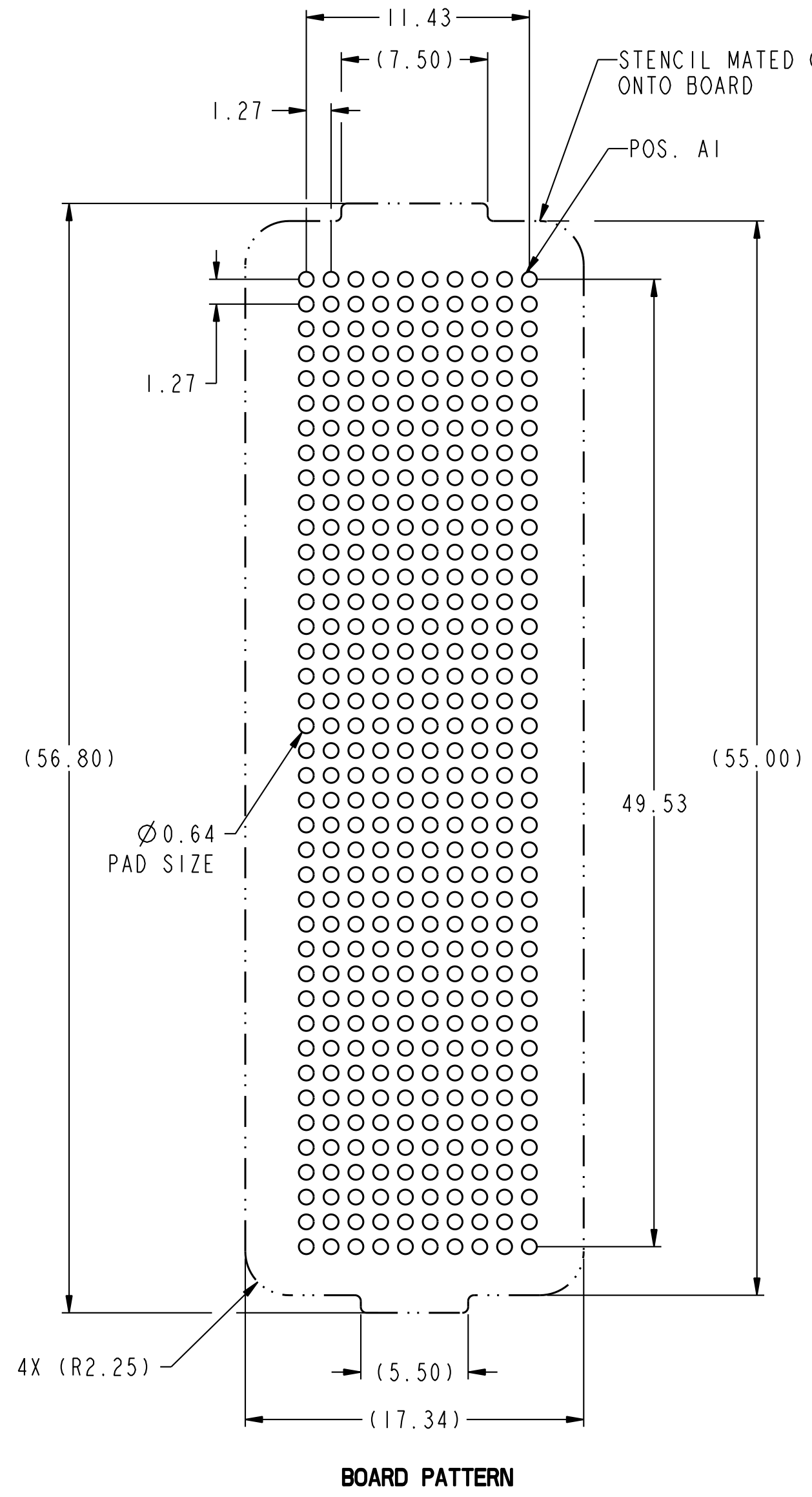
PRODUCT NUMBER  
SEE TABLE-SHEET 5



PLUG

Ø11.00

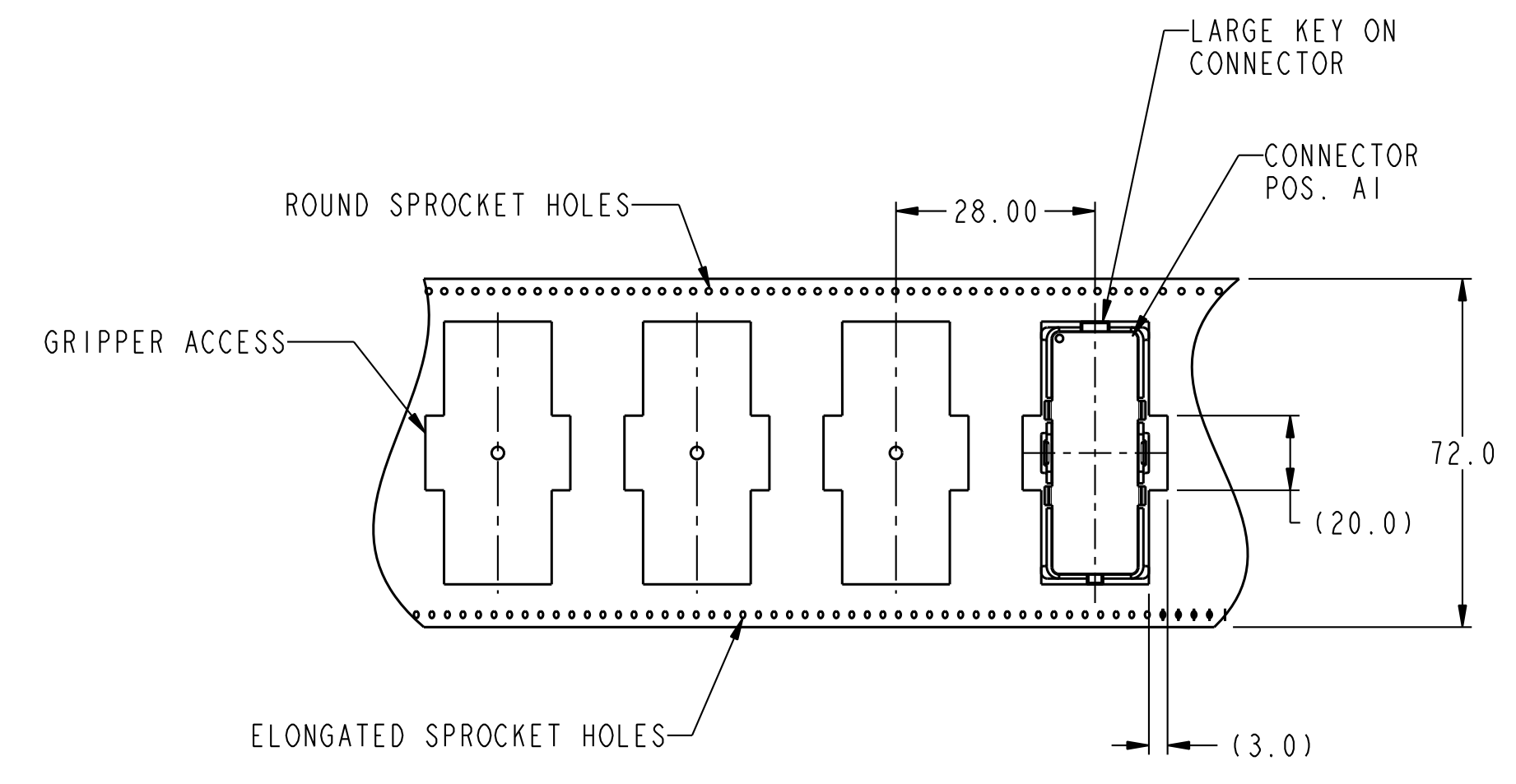
NOTE 9  
VACUUM AREA FOR PICK UP CAP



STENCIL MATED CONNECTOR OUTLINE ONTO BOARD  
POS. A1

Ø0.64 PAD SIZE

BOARD PATTERN



ROUND SPROCKET HOLES

GRIPPER ACCESS

ELONGATED SPROCKET HOLES

LARGE KEY ON CONNECTOR

CONNECTOR POS. A1

DE-REEL DIRECTION

TAPE & REEL PACKAGING PER EIA 481-3

spec ref	-			dr	Rajendran, Kar	2018/01/31	projection	MM	size	A2	scale	3:1		
tolerance std	ASME Y14.5			eng	Robert Brown	2019/02/16			ecn no	ELX-V-32686-1				
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr	-				rel level	Released				
surface	linear	0.X	±0.3	appr	John Ravert	2019/02/15	product family	MEG-ARRAY						
		0.XX	±0.10	<b>Amphenol FCI</b>			Omm PLUG ASSEMBLY 10 X 40 = 400 POSITIONS			cat. no.	84740		rev	S
	angular	0°	±2°							Product - Customer	Drw		sheet 2 of 4	

PDS: Rev :S

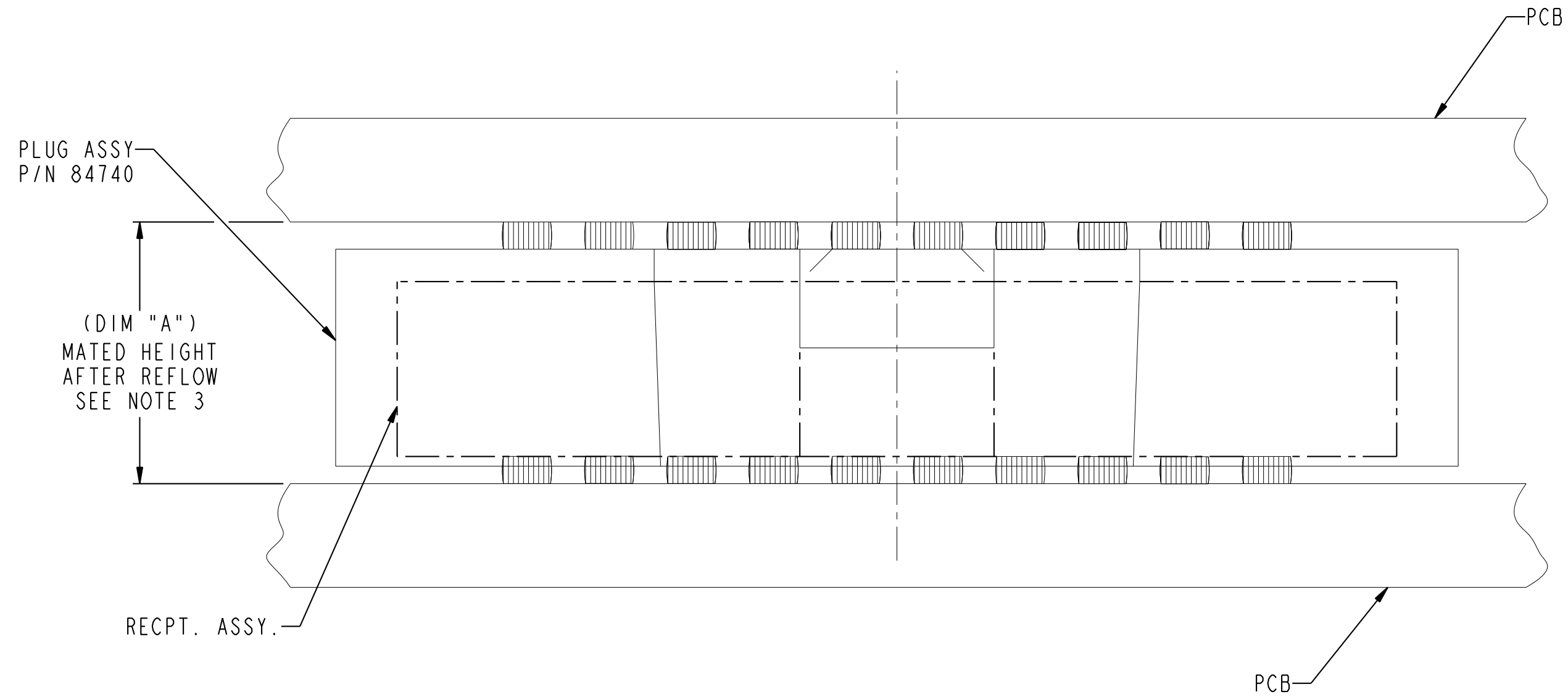
STATUS:Released

Printed: Feb 16, 2019

Amphenol FCI

© 2016 APCI

PRODUCT NUMBER  
SEE TABLE-SHEET 5



MATED HEIGHT TABLE	
DIM. A	RECPT. ASSY. P/N
4.0	74221
6.0	74388
8.0	74390


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

**END VIEW - MATED CONNECTORS**

spec ref	-	dr	Rajendran, Kar	2018/01/31	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Robert Brown	2019/02/16			ecn no	ELX-V-32686-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr						
surface	ASME Y14.5	linear	0.X	$\pm 0.3$			<b>Omm PLUG ASSEMBLY</b> 10 X 40 = 400 POSITIONS		cat. no. 84740	rev S
angular		0°	$\pm 2^\circ$	Product - Customer Drw		sheet 3 of 4				

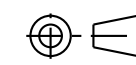


1	2	3	4	5	6	7	8
PRODUCT NUMBER	PICK-UP CAP	CONTACT PLATING, SEE NOTE 10	SOLDER BALLS	NOTES			
84740-002	YES	15μ" (0.38μm) Au	SnPb	-			
84740-002LF	YES	15μ" (0.38μm) Au	SnAgCu LEAD FREE	7			
84740-092	YES	15μ" (0.38μm) GXT	SnPb	-			
84740-092LF	YES	15μ" (0.38μm) GXT	SnAgCu LEAD FREE	7			
84740-102	YES	30μ" (0.76μm) Au	SnPb	-			
84740-102LF	YES	30μ" (0.76μm) Au	SnAgCu LEAD FREE	7			
84740-192	YES	30μ" (0.76μm) GXT	SnPb	-			
84740-192LF	YES	30μ" (0.76μm) GXT	SnAgCu LEAD FREE	7			
84740-202	YES	Au SPECIAL	SnPb	4			
84740-202LF	YES	Au SPECIAL	SnAgCu LEAD FREE	4 AND 7			
84740-292	YES	GXT SPECIAL	SnPb	4			
84740-292LF	YES	GXT SPECIAL	SnAgCu LEAD FREE	4 AND 7			
84740-A02	YES	SPECIAL	SnPb	8			
84740-A02LF	YES	SPECIAL	SnAgCu LEAD FREE	7 AND 8			

NOTES:

- ① MATERIAL:  
HOUSING: LCP, COLOR IS WHITE  
PICK-UP CAP: LCP, COLOR IS BLACK  
CONTACT: COPPER ALLOY
- PLATING:  
CONTACT: (SEE TABLE AND OTHER NOTES)  
SOLDER BALL: (SEE TABLE), EITHER  
EUTECTIC SnPb OR LEAD FREE OR 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 PART NOS. IS Au OVER Ni WITH SPECIAL CONTACT GEOMETRY TO MEET REQUIREMENTS OF TELCORDIA GR-1217-CORE: CENTRAL OFFICE ENVIRONMENT (25 LIFE EXPECTANCY).
- ⑤ -302, -302LF, -402, -402LF, -502, -502LF ARE OBSOLETE AND REMOVED FROM THE PRODUCT NUMBER TABLE.
- 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 WITH LEADED OR SOME SOLDERING APPLICATIONS.
- 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 84740-A02, -A02LF ARE CUSTOMER SPECIALS.
- ⑨ CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE AREA SHOWN.
- 10. FOR PURPOSES OF MAXIMIZING MANUFACTURING UTILIZATION, PLATED TERMINALS WITH HIGHER PLATING THICKNESS THAN THE REQUIRED AMOUNT, MAY BE SUBSTITUTED FOR TERMINALS WITH THE REQUIRED PLATING.
- 11. PLUG TERMINAL MAY OR MAYNOT INCLUDE ANTI-WICKING SLOT FEATURE THAT IS TYPICALLY ASSOCIATED WITH HIGHER PLATING THICKNESS OPTIONS.
- 12. A  SYMBOL WILL BE NEXT TO ANY DIMENSION OR NEW VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

Amphenol FCI

© 2016 AFCI

spec ref	-	dr	Rajendran, Kar	2018/01/31	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	eng	Robert Brown	2019/02/16			ecn no	ELX-V-32686-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr					rel level	Released		
surface	ASME Y14.5	appr	John Ravert	2019/02/15			product family	MEG-ARRAY	cat. no.	84740
		linear	0.X	±0.3			<b>Omm PLUG ASSEMBLY</b> 10 X 40 =400 POSITIONS			
			0.XX	±0.10						
			0.XXX	±0.050						
		angular	0°	±2°						
					Product - Customer Drw		sheet 4 of 4			