

PRODUCT NUMBER  
SEE TABLE-SHEET 3

RECEPTACLE

42.0

NOTE 9

FLAT AREA FOR  
PICK-UP CAP

POS. A1

1.27

Ø0.64  
PAD SIZE

STENCIL MATED CONNECTOR OUTLINE  
ONTO BOARD

49.53

(55.00)

11.43

1.27

(17.34)

4X (R2.25)

BOARD PATTERN

CONNECTOR  
POS. A1

ROUND SPROCKET HOLES

LARGE KEY ON CONNECTOR

28.00

GRIPPER ACCESS

(20.0)

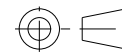



72.0

ELONGATED SPROCKET HOLES

(3.0)

DE-REEL DIRECTION

TAPE & REEL PACKAGING  
PER EIA 481-3

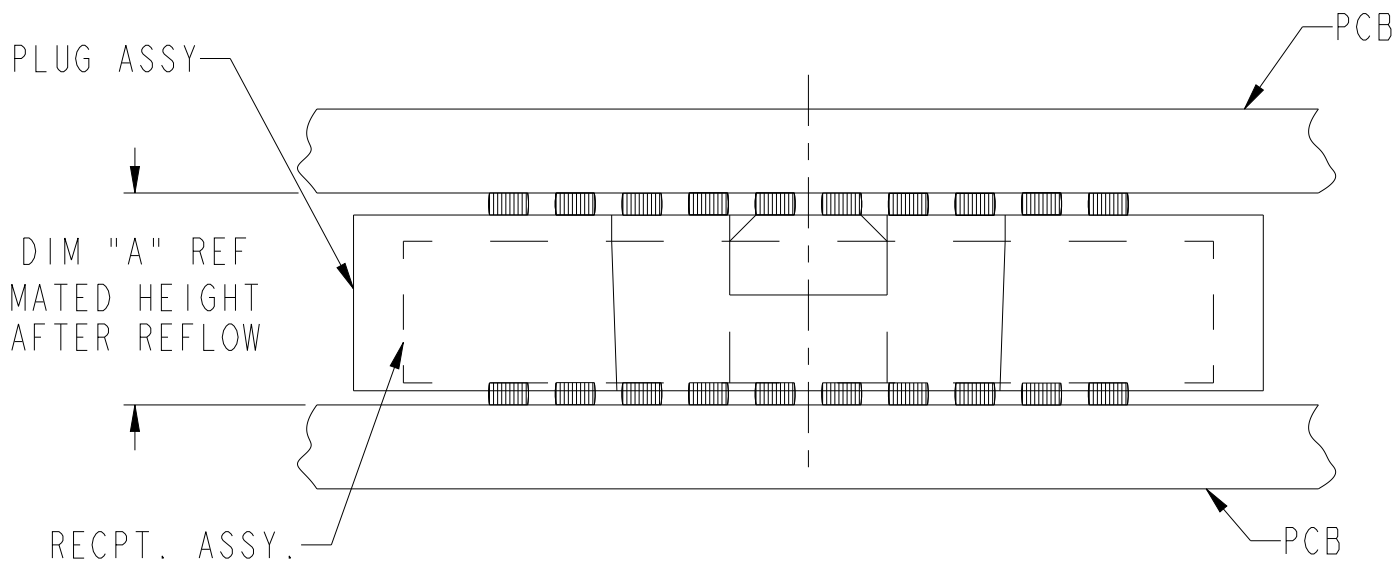
spec ref -				dr Chougale, Nand	2018/02/15			size A2	scale 5:1
tolerance std ASME Y14.5				eng Robert Brown	2020/08/25			ecn no ELX-V-38117-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr -				rel level Released	
				appr Matthew Emenhe	2020/08/25	product family MEG-ARRAY			
surface  ASME Y14.5	linear	0.X	±0.3		title	4mm RECEPTACLE ASSEMBLY 10 X 40 = 400 POSITIONS		dwg no 74221	rev V
		0.XX	±0.13						
	0.XXX	±0.050							
	angular	0°	±2°		cat. no.	Product - Customer Drw		sheet 2 of 4	

PDS: Rev :V

STATUS:Released

Printed: Aug 25, 2020

1		2		3		4		5		6		7		8	
PRODUCT NUMBER		PIC-UP CAP		CONTACT PLATING		SOLDER BALLS		NOTES							
74221-001		YES		15μ" (0.38μm) Au		SnPb		-							
74221-001LF		YES		15μ" (0.38μm) Au		SnAgCu LEAD FREE		7							
74221-091		YES		15μ" (0.38μm) GXT		SnPb		-							
74221-091LF		YES		15μ" (0.38μm) GXT		SnAgCu LEAD FREE		7							
74221-101		YES		30μ" (0.76μm) Au		SnPb		-							
74221-101LF		YES		30μ" (0.76μm) Au		SnAgCu LEAD FREE		7							
74221-191		YES		30μ" (0.76μm) GXT		SnPb		-							
74221-191LF		YES		30μ" (0.76μm) GXT		SnAgCu LEAD FREE		7							
74221-201		YES		Au SPECIAL		SnPb		5							
74221-201LF		YES		Au SPECIAL		SnAgCu LEAD FREE		5 AND 7							
74221-291		YES		GXT SPECIAL		SnPb		5							
74221-291LF		YES		GXT SPECIAL		SnAgCu LEAD FREE		5 AND 7							
74221-A01		YES		30μ" (0.76μm) Au SPECIAL		SnPb		8							
74221-A01LF		YES		30μ" (0.76μm) Au SPECIAL		SnAgCu LEAD FREE		7 AND 8							
74221-101LTLF		YES		30μ" (0.76μm) Au		LOW TEMPERATURE		7							
74221-191LTLF		YES		30μ" (0.76μm) GXT		LOW TEMPERATURE		7							



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 -				eng Robert Brown	2020/08/25			ecn no ELX-V-38117-1	rel level Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr -	-					
				appr Matthew Emenhe	2020/08/25	product family MEG-ARRAY				
surface	linear	0.X	±0.3		title	4mm RECEPTACLE ASSEMBLY 10 X 40 = 400 POSITIONS			dwg no 74221	rev V
		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

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spec ref

-

tolerance std

ASME Y14.5

TOLERANCES UNLESS  
OTHERWISE SPECIFIED

surface

ASME Y14.5

linear

0.X

±0.3

0.XX

±0.13

0.XXX

±0.050

angular

0°

±2°

dr

Chougale, Nand

2018/02/15

eng

Robert Brown

2020/08/25

chr

-

-

appr

Matthew Emenhe

2020/08/25

projection



MM

size

A2

scale

3:1

ecn no

ELX-V-38117-1

rel level

Released

product family

MEG-ARRAY

title

4mm RECEPTACLE ASSEMBLY

10 X 40 = 400 POSITIONS

cat. no.

Product - Customer Drw

sheet 4 of 4

dwg no

74221

rev

V

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