




TAPE & REEL PACKAGING SCALE NONE  
PER EIA 481-3

mat'l. code		surface		tolerance		projection		product family	
SEE NOTE 1		ASME Y14.5 ✓		ASME Y14.5				MEG--ARRAY	
lfr	ecrn no	lfr	date	tolerances unless otherwise specified angles line				title	
				X+.3 XX+.3 0° ±.2 XXX+.051		MM Scale 2:1		4mm RECEPTACLE ASSEMBLY 10 x 40 = 400 POSITIONS	
T				D. WAUGHEN 1997-11-26 T. LEMKE 1997-11-26 T. LEMKE 1997-11-26 T. LEMKE 1997-11-26				sheet 2 of 4 74221 CUSTOMER Drawing	
sheet index	revision	sheet		apnd T. LEMKE 1997-11-26				size A4	



Copyright FCI



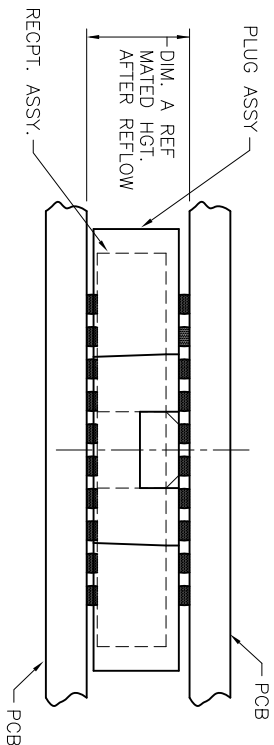
FCIconnect.com

3

4

PRODUCT NUMBER	PICK-UP CAP	CONTACT PLATING	SOLDER BALL	NOTES
74221-001	YES	15μ" (.38μm) Au	SnPb	
74221-001LF	YES		SnAgCu LEAD FREE	7
74221-091	YES	15μ" (.38μm) GXT	SnPb	
74221-091LF	YES		SnAgCu LEAD FREE	7
74221-101	YES	30μ" (.76μm) Au	SnPb	
74221-101LF	YES		SnAgCu LEAD FREE	7
74221-191	YES	30μ" (.76μm) GXT	SnPb	
74221-191LF	YES		SnAgCu LEAD FREE	7
74221-201	YES	Au SPECIAL	SnPb	5
74221-201LF	YES		SnAgCu LEAD FREE	5 AND 7
74221-291	YES	GXT SPECIAL	SnPb	5
74221-291LF	YES		SnAgCu LEAD FREE	5 AND 7
74221-A01	YES	30μ" (.76μm) Au SPECIAL	SnPb	8
74221-A01LF	YES		SnAgCu LEAD FREE	8 AND 7
74221-301	YES	15μ" (.38μm) SPECIAL	SnPb	8
74221-301LF	YES	15μ" (.38μm) SPECIAL	SnAgCu LEAD FREE	7 AND 8
74221-401	YES	30μ" (.76μm) SPECIAL	SnPb	8
74221-401LF	YES	30μ" (.76μm) SPECIAL	SnAgCu LEAD FREE	7 AND 8
74221-501	YES	SPECIAL	SnPb	5 AND 8
74221-501LF	YES	SPECIAL	SnAgCu LEAD FREE	5, 7, 8

A



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 .064mm PAD (METAL-DEFINED) AND .13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3.  
END VIEW - MATED CONNECTORS SCALE NONE

B

form: ArrayMLC

1

2

3

4

mat'l. code		SEE NOTE 1		surface		tolerance		projection		product family	
lbr	ecn no	dfr	date	ASPC Y14.5	ASPC Y14.5	ASPC Y14.5	ASPC Y14.5	ASPC Y14.5	ASPC Y14.5	MEG-ARRAY	title
T				angles	3x3	3x3	3x3	3x3	3x3	4mm RECEPTACLE ASSEMBLY	10 x 40 = 400 POSITIONS
				dr	D. WUJCHEN	1997-11-26	1997-11-26	1997-11-26	1997-11-26	FCI	74221
				dr	T. LEMKE	1997-11-26	1997-11-26	1997-11-26	1997-11-26	sheet 3 of 4	size
				dr	T. LEMKE	1997-11-26	1997-11-26	1997-11-26	1997-11-26	A4	
sheet	revision			apdd	T. LEMKE	1997-11-26	1997-11-26			CUSTOMER Drawing	
index	sheet										

B

A

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 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. NO TIN\LEAD OR FLUX ABOVE TERMINAL SHOULDER.

5. PLATING FOR -2XX SERIES DASH NOS. MEETS  
THE REQUIREMENTS OF GR-1217-CORE,  
CENTRAL OFFICE ENVIRONMENT, (25 YEAR LIFE EXPECTANCY). THE

6. 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.

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 TRIANGLE 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 OBSOLETE

mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
litr	ecn no	dr	date	ASPC Y4.5	ASPC Y4.5
				tolerances unless otherwise specified	
T			angles	3x3	
			0° ±2°	XXX.051	
			dr	T. BREWAKER 2016-06-13	
			ENGR D. HORCHLER 2016-06-13		
			DR D. HORCHLER 2016-06-13		
			apdd	D. HORCHLER 2016-06-13	
sheet	revision				
index	sheet				



title  
4mm RECEPTACLE ASSEMBLY  
10 x 40 = 400 POSITIONS  
dwg no  
74221  
sheet 4 of 4  
size  
A4  
type  
CUSTOMER Drawing

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[74221-201](#) [74221-001LF](#) [74221-101LF](#) [74221-201LF](#) [74221-A01](#) [74221-101](#) [74221-001](#) [74221-291LF](#) [74221-091](#)  
[74221-291](#) [74221-091LF](#) [74221-191](#) [74221-191LF](#)