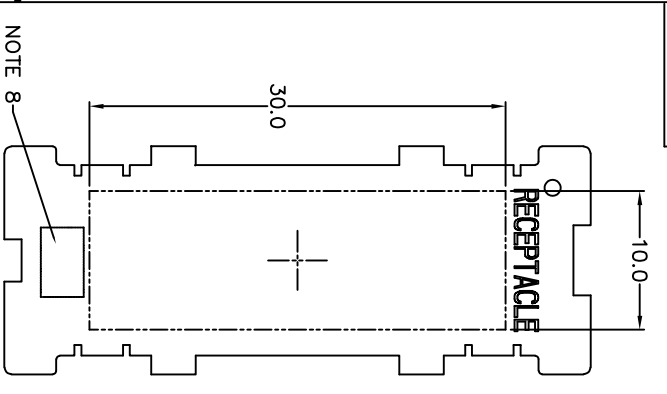
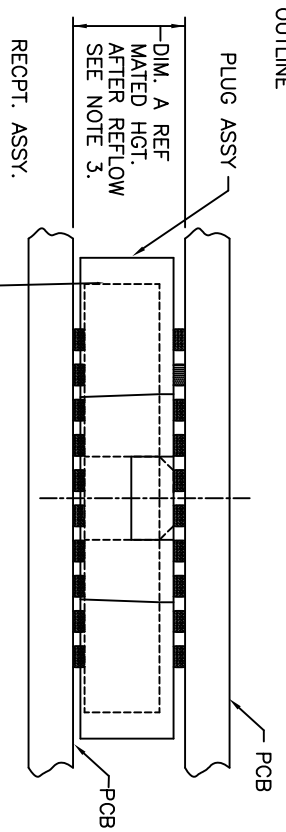
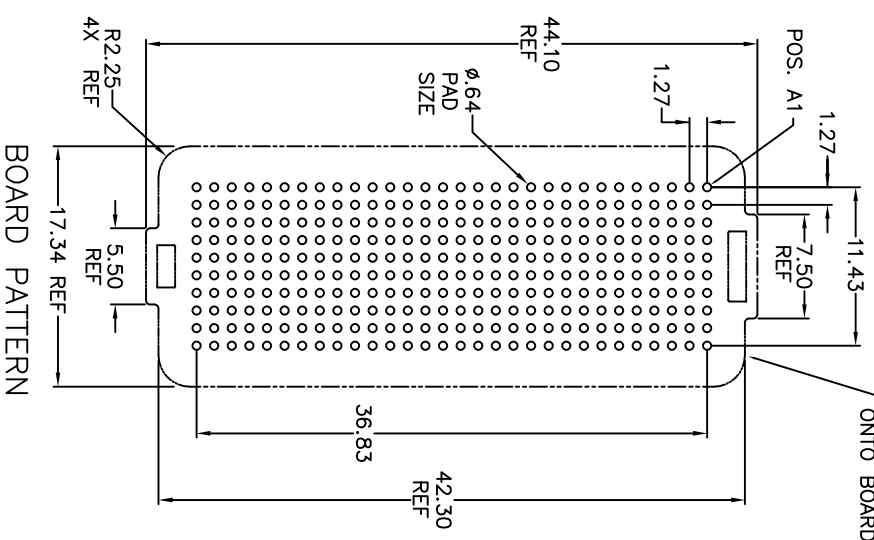


mat'l. code		surface		tolerance		projection		product family	
SEE-NOTE-1		ASMEY14.5		ASMEY14.5				MEG-ARRAY	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
S	V-26025	RWB	2017-02-08	X.3				4MM-RECTACLE-ASSEMBLY.	
T	V-40495	HCL	2021-03-28	XX.10				10X30=300-POS	
U	V-47222	LRI	2023-02-07	O+2.2 XXX.050				scale 1:1	
V	V-47683	LRI	2023-03-03	Df				dwg no	
V	V-54465	LRI	2024-08-02	engj				sheet 1 of 4	
W	V-52518	LRI	2024-08-08	chr				84501	
X	V-52518	LRI	2024-08-08	D.HARPER				A4	
Y	V-52797	LRI	2024-09-03	dppd				CUSTOMER Drawing	
revision		Y	Y	Y	Y				
index	sheet	1	2	3	4				

PRODUCT NUMBER
SEE TABLE



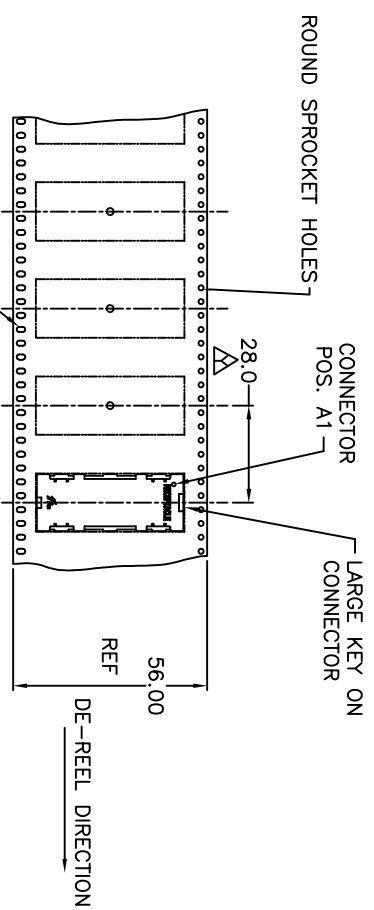
FLAT AREA FOR
PICK-UP CAP



MATED HEIGHT TABLE			
DIM. A	PLUG ASSY. P/N	RECEPT. ASSY. P/N	
4.0	84500	84501	
10.0	84578	84501	

MATED HEIGHT AFTER REFLOW IS BASED ON $\phi .64$ mm PAD (METAL-DEFINED) AND .13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3.

END VIEW - MATED CONNECTORS SCALE NONE



ELONGATED SPROCKET HOLES

TAPE & REEL PACKAGING

PER EIA 481-3

SCALE NONE

mat'l. code	surface	tolerance	projection	product family
SEE-NOTE-1	ASMEY14.5	ASMEY14.5		MEG-ARRAY
lit	ecm no	dr	date	title
Y			angle	4MM-RECEPTACLE-ASSEMBLY.
			angle	10X30=300-POS
			0±2'	scale 1:1
			dr	dwg no
			engr	sheet 2 of 4
			chr	size
			appd	
sheet	revision			Amphenol FCI
index	sheet			type

PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK IN COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
84501-001	YES	15µ" (.38µm) Au	SnPb	
84501-001BF	YES	15µ" (.38µm) Au	SnPb	12
84501-001LF	YES	15µ" (.38µm) Au	LEAD FREE	6
84501-001BLF	YES	15µ" (.38µm) Au	LEAD FREE	6 AND 12
84501-091	YES	15µ" (.38µm) GXT	SnPb	
84501-091BF	YES	15µ" (.38µm) GXT	SnPb	12
84501-091LF	YES	15µ" (.38µm) GXT	LEAD FREE	6
84501-091BLF	YES	15µ" (.38µm) GXT	LEAD FREE	6 AND 12
84501-093LF	YES	15µ" (.38µm) GXT	LEAD FREE	6 AND 11
84501-093BLF	YES	15µ" (.38µm) GXT	LEAD FREE	6, 11 AND 12
84501-101	YES	30µ" (.76µm) Au	SnPb	
84501-101BF	YES	30µ" (.76µm) Au	SnPb	12
84501-101LF	YES	30µ" (.76µm) Au	LEAD FREE	6
84501-101BLF	YES	30µ" (.76µm) GXT	LEAD FREE	6 AND 12
84501-191	YES	30µ" (.76µm) Au	SnPb	
84501-191BF	YES	30µ" (.76µm) Au	SnPb	12
84501-191LF	YES	30µ" (.76µm) Au	LEAD FREE	6
84501-191BLF	YES	30µ" (.76µm) Au	LEAD FREE	6 AND 12
84501-201	YES	50µ" (1.27µm) Au SPECIAL	SnPb	4
84501-201BF	YES	50µ" (1.27µm) Au SPECIAL	SnPb	4 AND 12
84501-201LF	YES	50µ" (1.27µm) Au SPECIAL	LEAD FREE	4 AND 6
84501-201BLF	YES	50µ" (1.27µm) Au SPECIAL	LEAD FREE	4, 6 AND 12
84501-291	YES	50µ" (1.27µm) GXT SPECIAL	SnPb	4
84501-291BF	YES	50µ" (1.27µm) GXT SPECIAL	SnPb	4 AND 12
84501-291LF	YES	50µ" (1.27µm) GXT SPECIAL	LEAD FREE	4 AND 6
84501-291BLF	YES	50µ" (1.27µm) GXT SPECIAL	LEAD FREE	6 AND 12
84501-A01	YES	30µ" (.76µm) Au SPECIAL	SnPb	7
84501-A01BF	YES	30µ" (.76µm) Au SPECIAL	SnPb	7 AND 12
84501-A01LF	YES	30µ" (.76µm) Au SPECIAL	LEAD FREE	6 AND 7
84501-A01BLF	YES	30µ" (.76µm) Au SPECIAL	LEAD FREE	6, 7 AND 12
84501-301	YES	15µ" (.38µm) Au SPECIAL	SnPb	7
84501-301LF	YES	15µ" (.38µm) Au SPECIAL	LEAD FREE	6 & 7
84501-401	YES	30µ" (.76µm) Au SPECIAL	SnPb	7
84501-401LF	YES	30µ" (.76µm) Au SPECIAL	LEAD FREE	6 & 7
84501-501	YES	Au SPECIAL	SnPb	4 & 7
84501-501LF	YES	Au SPECIAL		4, 6 & 7

mat'l. code		surface		tolerance		projection		product family	
SEE-NOTE-1		ASMEY14.5		ASMEY14.5				MEG-ARRAY	
lfr	ecn no	ldr	date	tolerances unless otherwise specified				title	
Y				angle	XX±.3	MM		4MM-RECEPTACLE-ASSEMBLY.	
				0±.2	XXX±.10			10X30=300-POS	
				dr	DYMAUGHEN	scale 1:1		dwg no	
				enfr	D.HARPER			84501	
				chr	D.HARPER			sheet 3 of 4	
				apdr	D.HARPER			size	
sheet	revision	Amphenol FCI							A4
index	sheet	CUSTOMER Drawing							

NOTES:

1. MATERIAL

HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING

CONTACT: (SEE TABLE ON SHEET3)
SOLDER BALL: (SEE TABLE ON SHEET3)
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. PLATING FOR -2XX SERIES PRODUCT NUMBERS MEET THE REQUIREMENTS OF GR-1217-CORE, CENTRAL OFFICE ENVIRONMENT, (25 YEAR LIFE EXPECTANCY). THE CONTACTS IN THESE PRODUCT NUMBERS ALSO HAVE SPECIAL CONTACT GEOMETRY.

5. 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.

6. 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.

7. 84501-A01 AND -A01LF ARE CUSTOMER SPECIALS.

8. CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE AREA SHOWN.

9. 84501-301, -301LF, -401, -401LF, -501 and -501LF ARE OBSOLETE.

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

11. 84501-093LF AND 84501-093BLF HAVE A SPECIAL CAP

12. FOR THESE DASH NUMBERS, PRODUCT IS BERYLLIUM FREE

mat'l. code		SEE-NOTE-1		surface		tolerance		projection		product family	
litr		ecn no		dr		date		ASMEY14.5		MEG-ARRAY	
Y								ASMEY14.5			
								tolerances unless otherwise specified			
								.X±.3			
								.XX±.10			
								0±.2			
								.XXX±.050			
								dr		1998-12-18	
								engr		1998-12-18	
								chr		1998-12-18	
								dppd		1998-12-18	
								D-HARPER			
sheet		revision									
index		sheet									



Amphenol
FCI

title	4MM-RECEPTACLE-ASSEMBLY.	dwg no	84501	sheet 4 of 4	size
type	CUSTOMER Drawing				A4