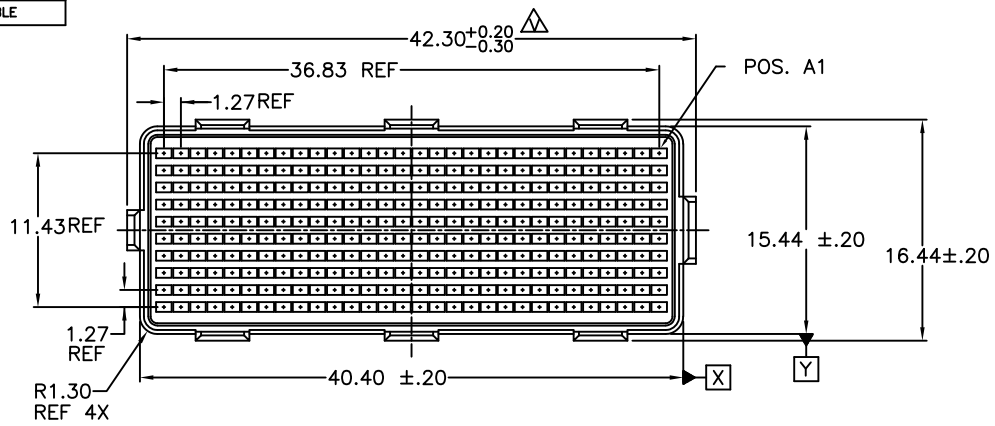
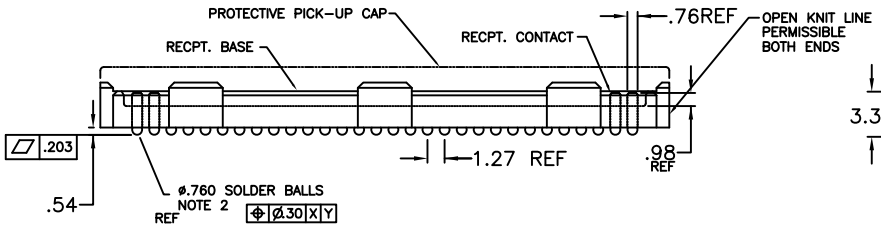
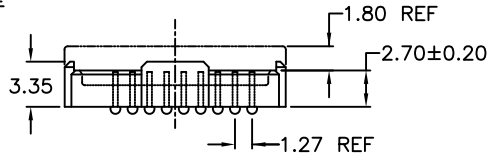
Amphenol FCi

PRODUCT NUMBER
SEE TABLE







mat'l. code	surface	tolerance	projection	product family
SEE−NOTE−1	ASMEY14.5	ASMEY14.5		MEG−ARRAY

ltr	ecn no	dr	date
N	V−13453−1	DCH	2012−11−14
P	V−13453−1	DCH	2015−12−06
R	V−18087	DCH	2014−6−25
S	V−26025	RWB	2017−02−06
T	V−40495	HCL	2021−03−26
U	V−47222	LRJ	2023−02−07
V	V−47683	LRJ	2023−03−03

tolerances unless otherwise specified
angles 0°±2°
linear .X±.3 / .XX±.10 / .XXX±.050
MM
scale 1:1

dr	D.WAUGHEN	1998−12−18
engr	D.HARPER	1998−12−18
chr	D.HARPER	1998−12−18
appd	D.HARPER	1998−12−18

sheet	revision	V	V	V	V
index	sheet	1	2	3	4

Amphenol FCi

title: 4MM−RECPTACLE−ASSEMBLY. 10X30=300−POS

dwg no 84501 | sheet 1 of 4 | size A4

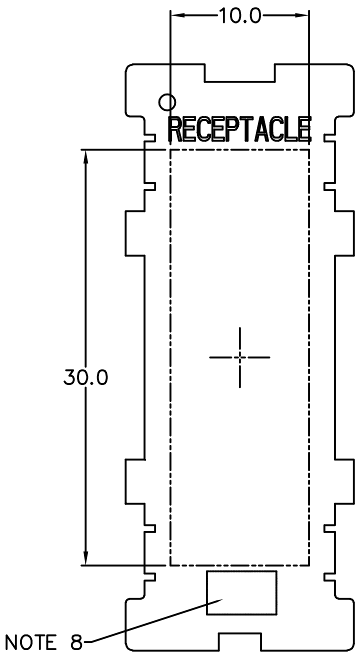
type: CUSTOMER Drawing

form: A4mmXLc−2016−02−24

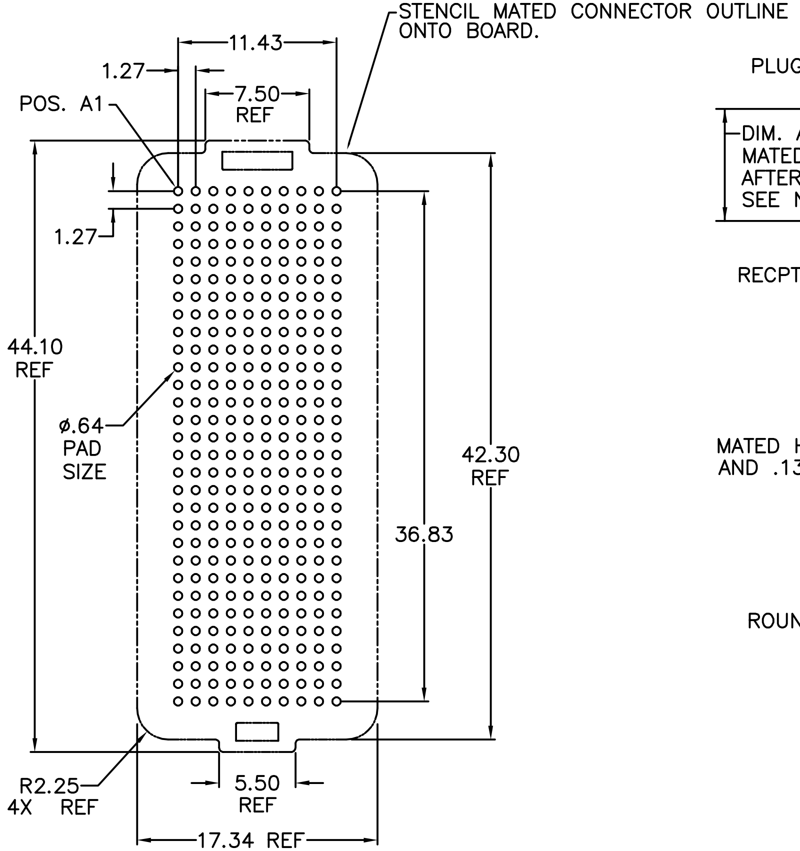
PDS: Rev :V STATUS:Released Printed: Mar 04, 2023

Amphenol FCi

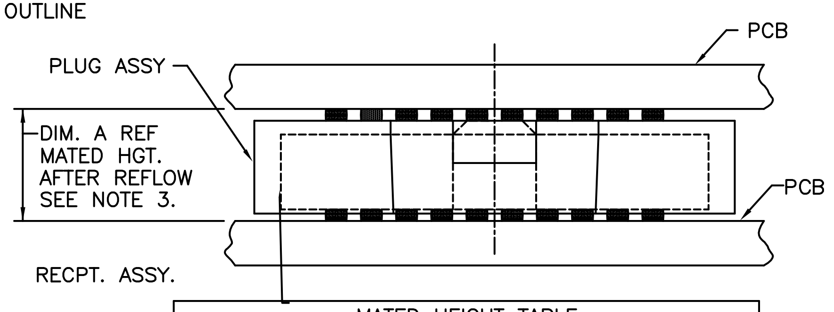
PRODUCT NUMBER
SEE TABLE



FLAT AREA FOR PICK-UP CAP



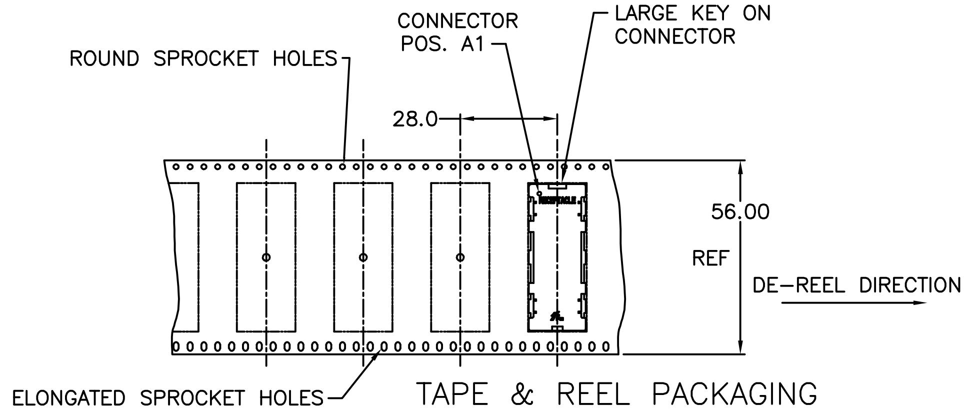
BOARD PATTERN



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

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

END VIEW – MATED CONNECTORS SCALE NONE



TAPE & REEL PACKAGING
PER EIA 481-3
SCALE NONE

mat'l. code: SEE-NOTE-1	surface: ASMEY14.5	tolerance: ASMEY14.5	product family: MEG-ARRAY
ltr: V / ecn no / dr / date	tolerances unless otherwise specified: angles 0°±2°; linear .X±.3, .XX±.10, .XXX±.050	projection; MM; scale 1:1	title: 4MM-RECPTACLE-ASSEMBLY. 10X30=300-POS
	dr D.WAUGHEN 1998-12-16	Amphenol FCi	dwg no 84501, sheet 2 of 4, size A4
	engr D.HARPER 1998-12-16		
	chr D.HARPER 1998-12-16		
	appd D.HARPER 1998-12-16		type: CUSTOMER Drawing

sheet index	revision	V	V	V	V
	sheet	1	2	3	4

Amphenol FCi

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: SEE–NOTE–1
surface: ASMEY14.5
tolerance: ASMEY14.5
projection
product family: MEG–ARRAY

ltr	ecn no	dr	date
V			

tolerances unless otherwise specified
angles: 0°±2°
linear: .X±.3 / .XX±.10 / .XXX±.050
MM
scale 1:1

title: 4MM–RECPTACLE–ASSEMBLY. 10X30=300–POS

dr	D.WAUGHEN	1998–12–18
engr	D.HARPER	1998–12–18
chr	D.HARPER	1998–12–18
appd	D.HARPER	1998–12–18

Amphenol FCi

dwg no: 84501
sheet 3 of 4
size: A4
type: CUSTOMER Drawing

sheet index	revision sheet	V	V	V	V
		1	2	3	4

Amphenol FCi

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 THERFORE 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 △V 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: ASMEY14.5	tolerance: ASMEY14.5	projection	product family: MEG-ARRAY	
ltr: V / ecn no / dr / date	tolerances unless otherwise specified: angles 0°±2°; linear .X±.3, .XX±.10, .XXX±.050		MM; scale 1:1	title: 4MM-RECPTACLE-ASSEMBLY. 10X30=300-POS	
	dr	D.WAUGHEN	1998-12-18	dwg no: 84501	sheet 4 of 4; size A4
	engr	D.HARPER	1998-12-18	Amphenol FCi	
	chr	D.HARPER	1998-12-18		
	appd	D.HARPER	1998-12-18	type: CUSTOMER Drawing	

sheet index	revision / sheet	V / 1	V / 2	V / 3	V / 4