





TAPE & REEL PACKAGING SCALE: NONE
PER EIA 481-3

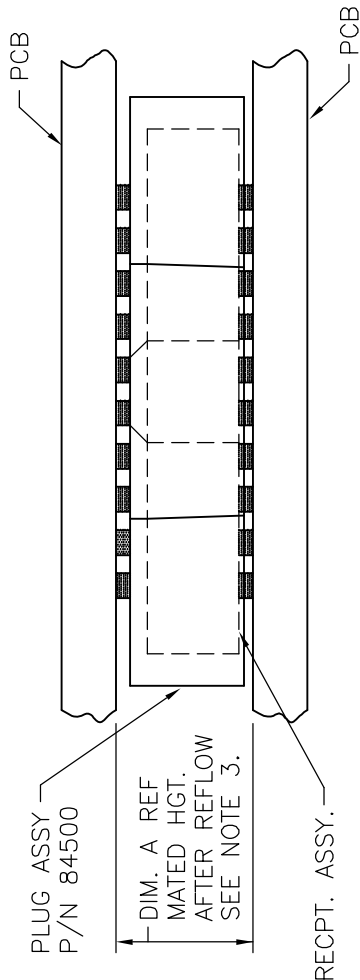
mat'l. code		surface		tolerance		projection		product family	
SEE NOTE 1		ASME Y14.5 ✓		ASME Y14.5				MEG-ARRAY	
ltr	ecn no	dr	date	tolerances unless otherwise specified				title	
\$				angles	X+3			0mm PLUG ASSEMBLY	
					XX+3			10 X 30 = 300 POSITIONS	
				0° ±2°	XX+0.051	scale 2:1		dwg no	
				dr D. WAUGHEN	99% 2%			sheet 2 of 5	
				engr D. HARPER	99% 2%			84500	
				chr D. HARPER	99% 2%			CUSTOMER Drawing	
				appl D. HARPER	99% 2%			type	
sheet	revision								
index	sheet								

PRODUCT NUMBER
SEE TABLE

1 | 2

3 |

4



MATED HEIGHT TABLE		
DIM. A	RECPT. ASSY. P/N	-2XX PLATING
4.0	84501	SEE NOTE 4.
5.5	84502	*
8.0	84553	SEE NOTE 5.

* 84502 NOT AVAILABLE IN TELCORDIA/NORTEL VERSION.

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

END VIEW – MATED CONNECTORS SCALE: NONE

mat'l code		SEE NOTE 1	Surface	Tolerance	projection	product family
lfr	ecn no	dr	date	ASME Y14.5		title
S				tolerances unless otherwise specified	MM	MEG-ARRAY
				angles	scale 2:1	0mm PLUG ASSEMBLY
				XXX-B		10 X 30 = 300 POSITION
				XXX-051		dwg no
				1998-02%		sheet 3 of 5 size
				1998-02%		84500
				1998-02%		A4
				1998-02%		type
				1998-02%		CUSTOMER Drawing
sheet index	revision	sheet				



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4

3

1 2

PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK IN COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
84500-002	YES	15μ" (.38μm) Au	SnPb	
84500-002LF	YES	15μ" (.38μm) Au	LEAD FREE	7 & 8
84500-092	YES	15μ" (.38μm) GXT	SnPb	
84500-092LF	YES	15μ" (.38μm) GXT	LEAD FREE	7 & 8
84500-093	WITH VENT HOLES	15μ" (.38μm) GXT	SnPb	7 , 8
84500-093LF	WITH VENT HOLES	15μ" (.38μm) GXT	LEAD FREE	7 , 8
84500-102	YES	30μ" (.76μm) Au	SnPb	
84500-102LF	YES	30μ" (.76μm) Au	LEAD FREE	7 & 8
84500-192	YES	30μ" (.76μm) GXT	SnPb	
84500-192LF	YES	30μ" (.76μm) GXT	LEAD FREE	7 & 8
84500-202	YES	50μ" (1.27μm) Au SPECIAL	SnPb	4, & 5
84500-202LF	YES	50μ" (1.27μm) Au SPECIAL	LEAD FREE	4, 5, 7 & 8
84500-292	YES	50μ" (1.27μm) GXT SPECIAL	SnPb	4, & 5
84500-292LF	YES	50μ" (1.27μm) GXT SPECIAL	LEAD FREE	4, 5, 7, & 8
84500-A02	YES	30μ" (.76μm)	SnPb	9
84500-A02LF	YES	30μ" (.76μm)	LEAD FREE	7, 8 & 9

A

A

B

B

mat'l code		SnPb	surface	tolerance	projection	product family
SEE NOTE 1		ASME Y14.5	ASME Y14.5	ASME Y14.5	title	MEG-ARRAY
lfr	ec'n no	dr	date	angles	MM	
S				tolerances unless otherwise specified	scale	
				0° ±2'	2:1	
				dr	T. BREWBAKER	2011-06-06
				eng	T. BREWBAKER	2011-06-06
				chr	T. BREWBAKER	2011-06-06
				appd	D. HORCHLER	2011-06-06
sheet index	revision	sheet				

FCI

10 X 30 = 300 POSITIONS

dwg no 84500

sheet 4 of 5 size A4

type CUSTOMER Drawing

4

3

1

2

form: A4mmX1c



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1 | 2

3 |

4

PRODUCT NUMBER
SEE TABLE

NOTES:

- ① MATERIAL:
HOUSING: LCP
CONTACT: COPPER ALLOY
- PLATING:
CONTACT: (SEE TABLE)
SOLDER BALL: (SEE TABLE)
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 INDICATED -2XX SERIES PRODUCT NUMBERS MEET THE REQUIREMENTS OF (GR-1217-CORE, CENTRAL OFFICE ENVIRONMENT, 25 YEAR LIFE EXPECTANCY).
- ⑤ 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.
- ⑥ KNIT LINE: SLIGHT VISIBLE MARKS (USUALLY A LINE) INDICATING THE DIRECTION AND MEETING POINT OF PLASTIC RESIN FLOW FRONTS TRAVELING AROUND ANY OBSTRUCTIONS TO THE RESIN FLOW VIA THE REQUIRED MOLD TOOLING.
- ⑦ 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.
- ⑧ 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.
- ⑨ 84500-A02 AND -A02LF ARE CUSTOMER SPECIALS.
- ⑩ CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE AREA SHOWN.
11. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, NEW VIEW OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION

mat'l code		SEE	NOTE	1	Surface	Tolerance	projection	product family
lfr	ecdn no	dr	date	ASME Y14.5	ASME Y14.5	ASME Y14.5	MM	MEG-ARRAY
S				tolerances unless otherwise specified	angles	Xx3		
					0° ±2'	XXX.051	Scale 2:1	
					dr	T. BREWBAKER		
					ETGT	T. BREWBAKER		
					chtr	T. BREWBAKER		
					appl	D. HORSCHLER		
sheet	revision							
index	sheet							

0mm PLUG ASSEMBLY
10 X 30 = 300 POSITIONS
dwg no 84500
sheet 5 of 5 size A4
type CUSTOMER Drawing

