



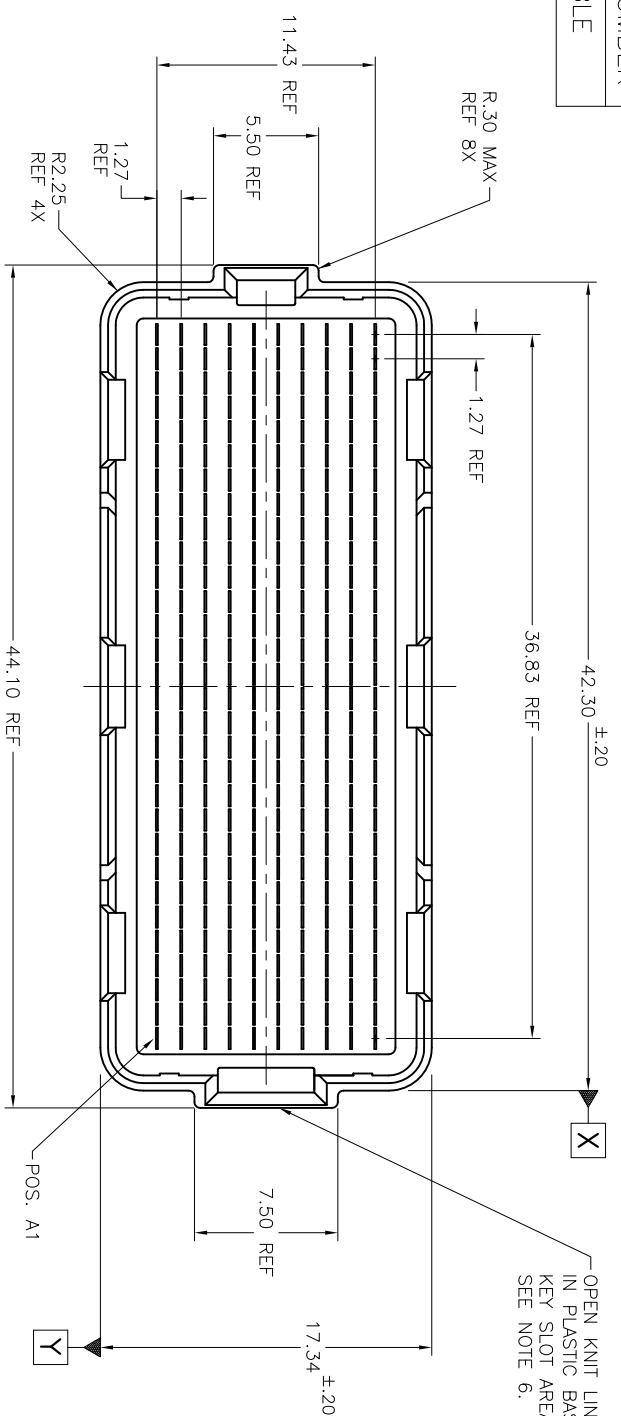
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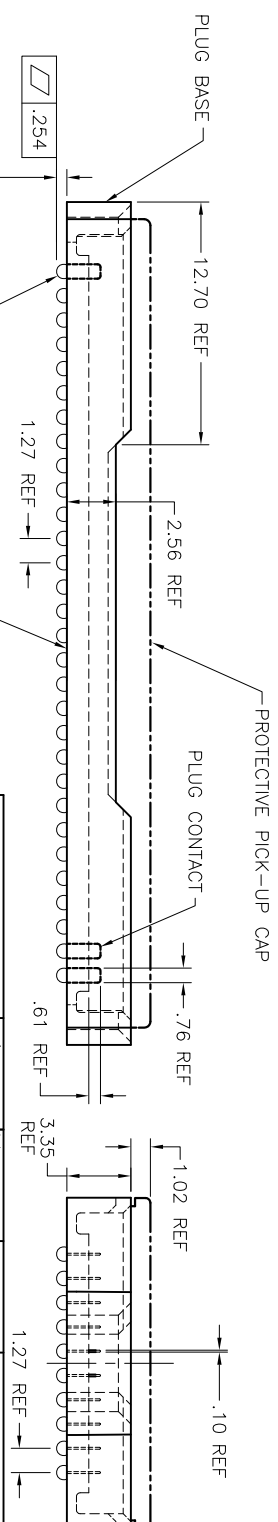
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PRODUCT NUMBER
SEE TABLE



OPEN KNIT LINES PERMISSIBLE IN PLASTIC BASE COMPONENT KEY SLOT AREAS (BOTH ENDS). SEE NOTE 6.



CONTINUOUS OPEN KNIT LINE CRACKS (TRAVERSING THE ENTIRE BODY LENGTH OF THE CONNECTOR) WHICH CAUSE CRITICAL-TO-FUNCTION DIMENSIONAL CHANGES THAT AFFECT THE CONNECTORS MECHANICAL ALIGNMENT FEATURES ARE NOT PERMISSIBLE. SEE NOTE 6.

NOTE 2
Ø.760 SOLDER BALLS
Ø.30 X Y

Mat'l code	SEE NOTE 1	date	surface	tolerance	projection	product family	title
ltr	ecn no.	dfr	ASME Y14.5	ASME Y14.5	ASME Y14.5	MEG-ARRAY	Omm PLUG ASSEMBLY
K	V06-0560	LP	2006-07-14	intolerances unless otherwise specified	XXX-B		10 X 30 = 300 POSITIONS
L	V11-0029	HTB	2011-06-06		XXX-B		
M	V12-0030	SJ	2012-08-06	0° ±2°	XXX-051		
N	V12-0036	DCH	2012-11-13	D.	WALUGHEN		
P	V-18084	DCH	2014-6-25	D.	HARPER		
R	V-21139	RWB	2015-06-12	D.	HARPER		
S	V-33905	RWB	2019-06-04	D.	HARPER		
Sheet	revision	S	S	S	S		Sheet 1 of 5
index	Sheet	1	2	3	4	5	Size A4



CUSTOMER Drawing

form: AsmXLIC 1 2 3 4

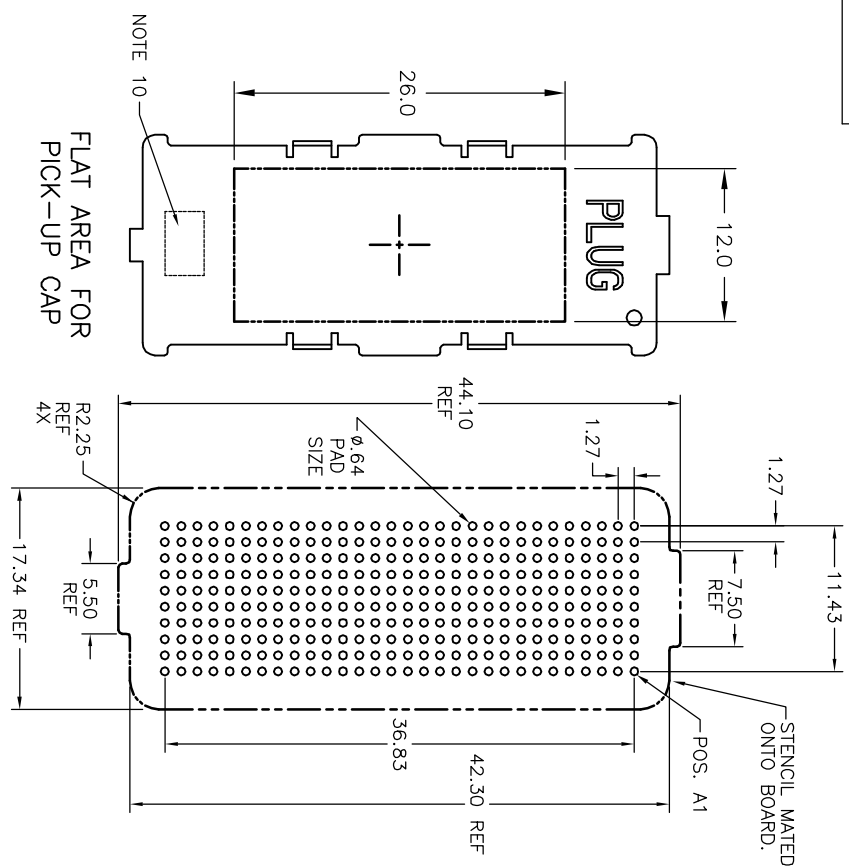


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PRODUCT NUMBER	1 2
SEE TABLE	

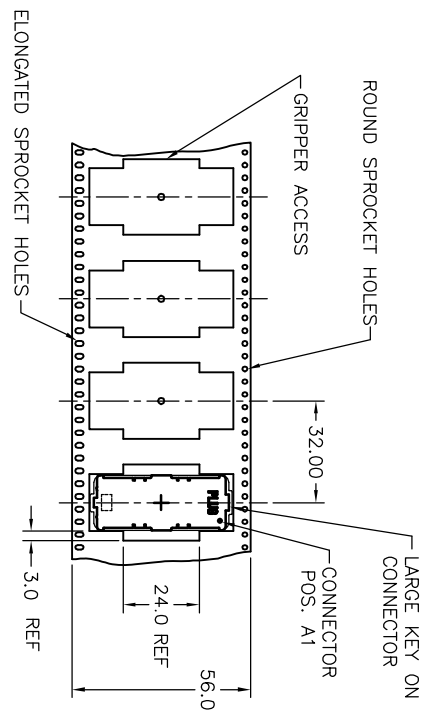


BOARD PATTERN

FLAT AREA FOR PICK-UP CAP

NOTE 10

STENCIL MATED CONNECTOR OUTLINE ONTO BOARD.



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

mat'l code	SEE NOTE 1	surface	AS9E Y14.5	tolerance	AS9E Y14.5	projection	MM	product family	MEG-ARRAY
lfr	ecm no	dr	date	AS9E Y14.5	tolerance unless otherwise specified	angles	XXX.3	title	0mm PLUG ASSEMBLY
S				0° ±2'	XXX.051	dr	D. WAUGHEN	10 X 30 = 300 POSITIONS	
					XXX.051	dr	D. HARPER	Sheet 2 of 5	
						dr	D. HARPER	84500	
						dr	D. HARPER	A4	
sheet	revision					dr	D. HARPER	CUSTOMER Drawing	
index	sheet								

form: A4mmX1c 1 2 3 4

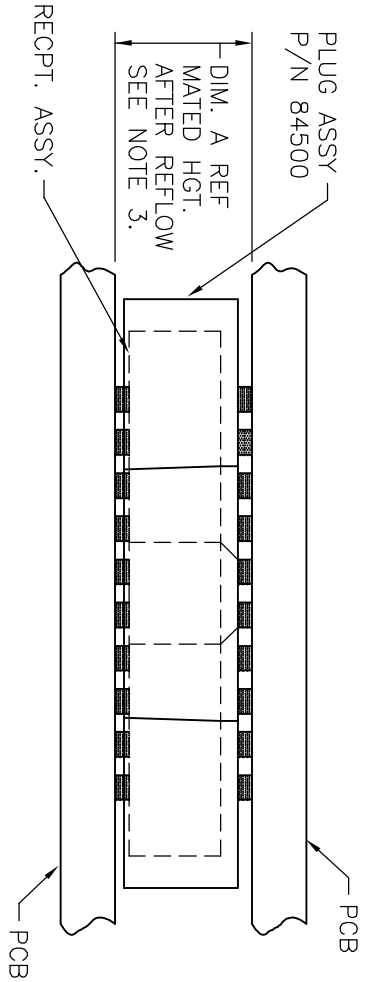


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PRODUCT NUMBER
SEE TABLE



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	ecm no	dr	date	ASME Y14.5	ASME Y14.5
S		angles	X \pm 3	MM	MEG-ARRAY
		dr	XXX.B	Scale 2:1	title
		dr	XXX.051		10 X 30 = 300 POSITION
		dr	D. WAUGHEN 999-2-%		sheet 3 of 5 size
		dr	D. HARPER 999-2-%		84500
		dr	D. HARPER 999-2-%		A4
		dr	D. HARPER 999-2-%		CUSTOMER Drawing
sheet	revision				
index	sheet				



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3 |

4

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		MEG-ARRAY
eqn. no.	dr	date	inferences unless otherwise specified		title
S			angles	MM	Omm PLUG ASSEMBLY
			XXX.B	Scale 2:1	10 X 30 = 300 POSITIONS
			XXX.X051		Sheet 4 of 5
			dr T. BREWBAKER 2011-06-06		84500
			ENQJ T. BREWBAKER 2011-06-06		A4
			chr T. BREWBAKER 2011-06-06		CUSTOMER Drawing
			apdl D. HORCHLER 2011-06-06		
sheet	revision				
index	sheet				

1

2

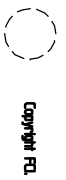
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B

form: ArrayMlc

PDS: Rev :S STATUS:Released Printed: May 25, 2022



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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 ASME Y14.5	tolerance ASME Y14.5	projection	product family
lfr	eqn no	dr	date		
S		angles	XXX-B	MM	MEG-ARRAY
		0° ±2'	XXX-051	Scale 2:1	Omni PLUG ASSEMBLY
		dr	T. BREWBAKER 20th-06-06		10 X 30 = 300 POSITIONS
		dr	T. BREWBAKER 20th-06-06		Dwg no
		dr	T. BREWBAKER 20th-06-06		84500
		dr	T. BREWBAKER 20th-06-06		sheet 5 of 5
		dr	D. HORCHLER 20th-06-06		size
sheet	revision				A4
index	sheet				CUSTOMER Drawing

form: A4mmX1c

1 |

2 |

3 |

4

B

A

B

A