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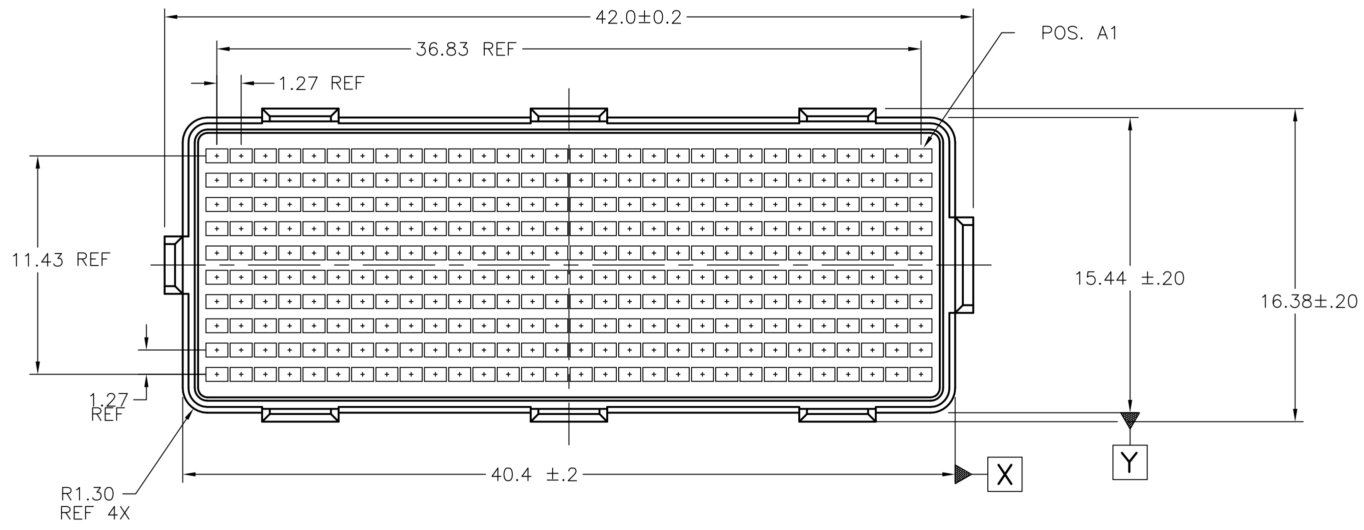
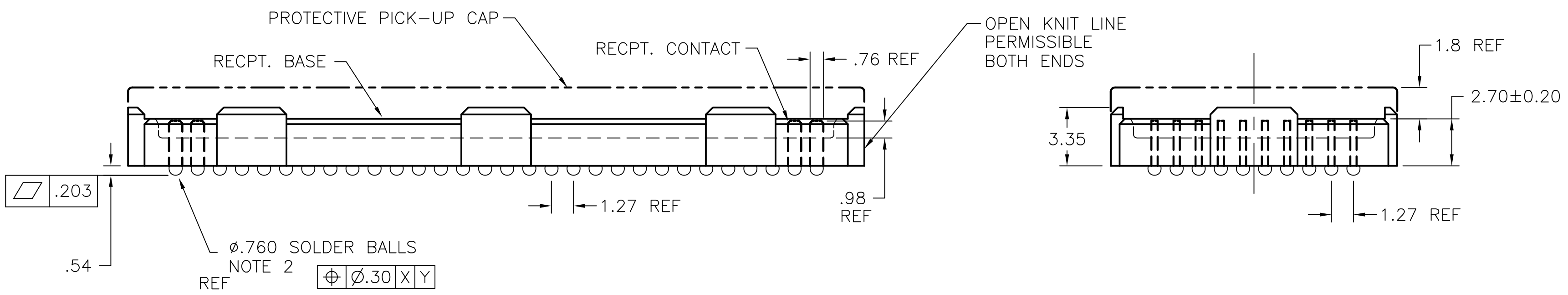
PRODUCT NUMBER
SEE TABLE





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	linear .X±.3	MM	4mm RECEPTACLE ASSEMBLY
L	V11-0028	HTB	2011-06-02		.XX±.13		10 X 30 = 300 POS.
M	V-012333	RE	2012-07-30	0° ±2°	.XXX±.051	scale 3:1	
N	V-13453-	DCH	2012-11-14	dr	D. WAUGHEN	1998-12-18	dwg no 84501 sheet 1 of 4 size A4
P	V-13453-	DCH	2012-12-06	engr	D. HARPER	1998-12-18	
R	V-18087	DCH	2014-6-25	chr	D. HARPER	1998-12-18	
S	V-26025	RWB	2017-02-06	appd	D. HARPER	1998-12-18	type CUSTOMER Drawing

sheet index	revision	S	S	S	S
	sheet	1	2	3	4

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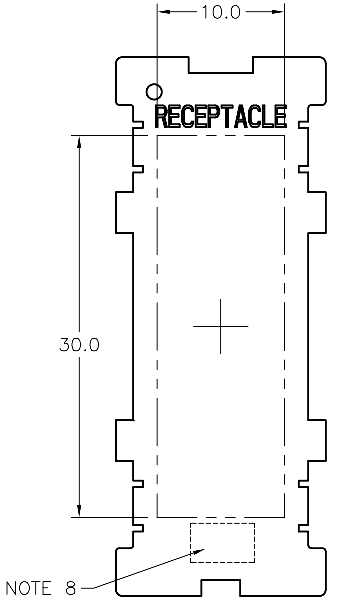
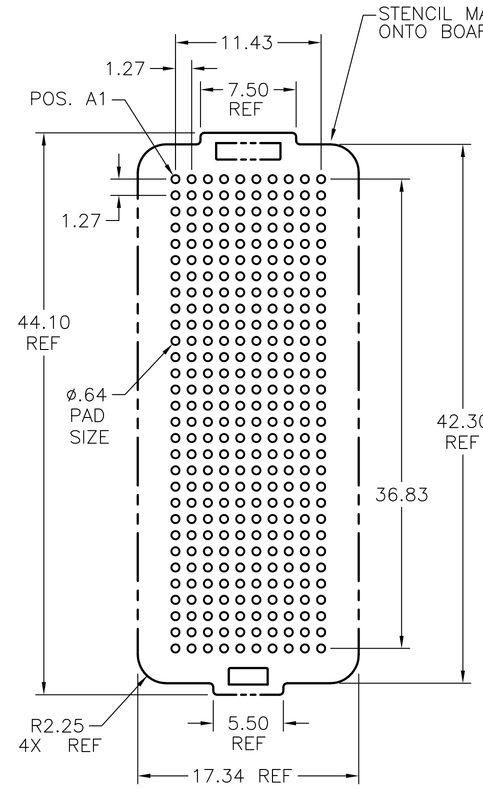
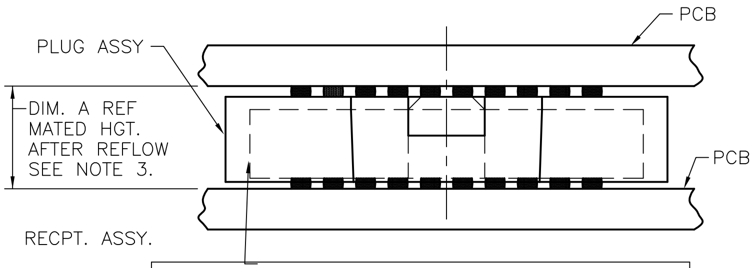
PRODUCT NUMBER
SEE TABLE



FLAT AREA FOR PICK-UP CAP



BOARD PATTERN

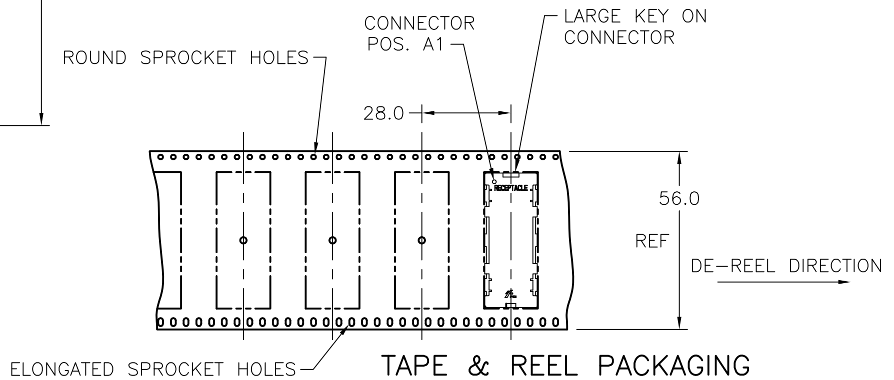


MATED HEIGHT TABLE

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 ASME Y14.5	tolerance ASME Y14.5	projection
ltr / ecn no / dr / date	tolerances unless otherwise specified		
S	angles 0° ±2°	linear .X±.3 .XX±.13 .XXX±.051	MM scale 2:1
	dr D. WAUGHEN	1998-12-16	
	engr D. HARPER	1998-12-16	
	chr D. HARPER	1998-12-16	
	appd D. HARPER	1998-12-16	
sheet index	revision sheet		

product family	MEG-ARRAY
title	4mm RECEPTACLE ASSEMBLY 10 X 30 = 300 POS.
dwg no	84501
sheet	2 of 4
size	A4
type	CUSTOMER Drawing

form: A4mmXLc

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

mat'l. code SEE NOTE 1	surface ASME Y14.5 √	tolerance ASME Y14.5	projection
ltr / ecn no / dr / date	tolerances unless otherwise specified		
S	angles 0° ±2°	linear .X±.3 .XX±.13 .XXX±.051	MM scale 2:1
	dr D. WAUGHEN 1998-12-16		
	engr D. HARPER 1998-12-16		
	chr D. HARPER 1998-12-16		
	appd D. HARPER 1998-12-16		
sheet index	revision sheet		

product family MEG–ARRAY

title
4mm RECEPTACLE ASSEMBLY
10 X 30 = 300 POS.

dwg no 84501 sheet 3 of 4 size A4

type CUSTOMER Drawing

form: A4mmXLc

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

⑪ 84501–093LF HAS A SPECIAL CAP △R

mat'l. code SEE NOTE 1			surface ASME Y14.5	tolerance ASME Y14.5	projection	product family MEG–ARRAY
ltr	ecn no	dr	date	tolerances unless otherwise specified		title 4mm RECEPTACLE ASSEMBLY 10 X 30 = 300 POS.
S				angles 0° ±2°	linear .X±.3 .XX±.13 .XXX±.051	MM scale 2:1
				dr D. WAUGHEN	1998-12-16	dwg no 84501 sheet 4 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 sheet					

form: A4mmXLc