

PRODUCT NUMBER	
SEE TABLE-SHEET 3	

OPEN KNIT LINES PERMISSIBLE
BOTH ENDS.
SEE NOTE 5.

42.3 ± 0.2
40.4 ± 0.2
36.83 REF
1.27 REF
POS. A1

15.44 ± 0.20
11.43
16.44 ± 0.20

REF

PRODUCT NUMBER	SEE TABLE-SHEET-3
----------------	-------------------

NOTES:

① MATERIAL:
HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING

CONTACT: (SEE TABLE ON SHEET 3)
SOLDER BALL: (SEE TABLE ON SHEET 3)
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). THE
CONTACTS GEOMETRY IN THESE PRODUCT NUMBERS IS SPECIAL. ALSO.

⑤. 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.

⑥. 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

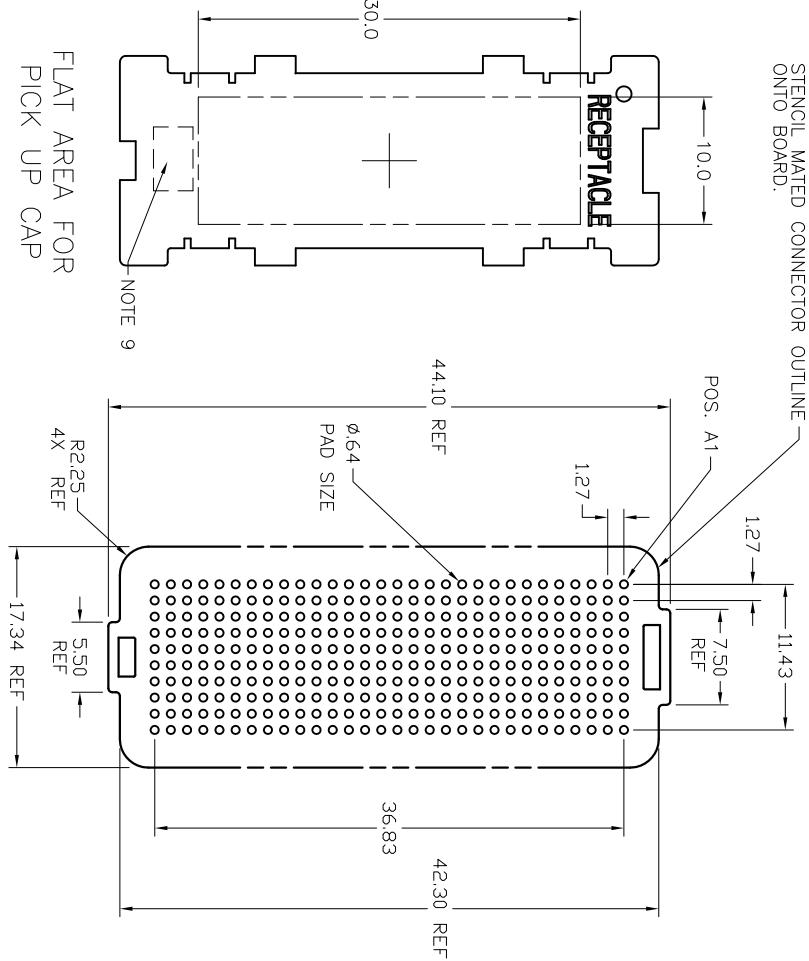
⑦. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND
OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT
CODE NUMBER MARKED ON EACH PART BY HAVING AN "X"
IN THE SEVENTH CHARACTER POSITION.

⑧. 84553-A01 AND -A01LF ARE CUSTOMER SPECIALS.

⑨. CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE
AREA SHOWN.

⑩. 84553-093LF HAS A SPECIAL CAP.

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
				ASME Y14.5 ✓ ASME Y14.5		MEG-ARRAY

K
ltr
ecn no
dr
date
tolerances unless otherwise specified
X ±3angles
lead
XX ±3

0° ±2°

XXX ±0.51

scale 2:1

MM

8.0mm RECEPTACLE ASSEMBLY

10 x 30 = 300 POS.

dwg no

2004-02-23

D. WAUGHEN

2004-02-23

FCI

W. SPINK

2004-02-23

W. SPINK

2004-02-

PRODUCT NUMBER	PICK-UP CAP (NATURAL OR BLACK COLOR)	CONTACT PLATING AND THICKNESS	SOLDER BALL	NOTES
84553-001	YES	15u" (.38um) Au	SnPb	
84553-001LF	YES	15u" (.38um) Au	LEAD FREE	7
84553-091	YES	15u" (.38um) GXT	SnPb	
84553-091LF	YES	15u" (.38um) GXT	LEAD FREE	7
84553-093LF	YES	15u" (.38um) GXT	LEAD FREE	7, 10
84553-101	YES	30u" (.76um) Au	SnPb	
84553-101LF	YES	30u" (.76um) Au	LEAD FREE	7
84553-191	YES	30u" (.76um) GXT	SnPb	
84553-191LF	YES	30u" (.76um) GXT	LEAD FREE	7
84553-201	YES	50u" (1.27um) Au SPECIAL	SnPb	4
84553-201LF	YES	50u" (1.27um) Au SPECIAL	LEAD FREE	4 AND 7
84553-291	YES	50u" (1.27um) GXT SPECIAL	SnPb	4
84553-291LF	YES	50u" (1.27um) GXT SPECIAL	LEAD FREE	4 AND 7
84553-A01	YES	30u" (.76um)	SnPb	8
84553-A01LF	YES	30u" (.76um) Au	LEAD FREE	7 AND 8
84553-101LT	YES	30u" (.76um) Au	Low Temp	7
84553-191LT	YES	30u" (.76um) GXT	Low Temp	7

PLUG ASSEMBLY
(SEE TABLE BELOW)

DIM. "A"	PLUG ASSY. P/N
8.0	84500
14.0	84578

DIM "A" REF
MATED HEIGHT
AFTER REFLOW
SEE NOTE 3RECEPTACLE
ASSEMBLY
P/N 84553mat'l. code
SEE NOTE 1
surface
ASME Y14.5 ✓
ASME Y14.5
tolerances unless
otherwise specifiedprojection
title
MEG-ARRAYltr
ecn no
dr
date
tolerances unless
otherwise specifiedK
dr
date
tolerances unless
otherwise specifiedangles
deg
XX ±3
XXX ±0.51
scale 5:1XX ±3
XXX ±0.51
scale 5:1MM
dwg no
10 x 30 = 300 POS.D. WAUGHEN
2000-02-23leng
W. SPINK
2000-02-23leng
W. SPINK
2000-02-23type
CUSTOMER Drawingsheet
index
sheet
sheetMATED HEIGHT AFTER REFLOW IS BASED ON ϕ .64mm PAD (METAL-DEFINED)
AND .13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3.
END VIEW - MATED CONNECTORS

A

B

PRODUCT NUMBER	1	2
SEE TABLE - SHEET 3		



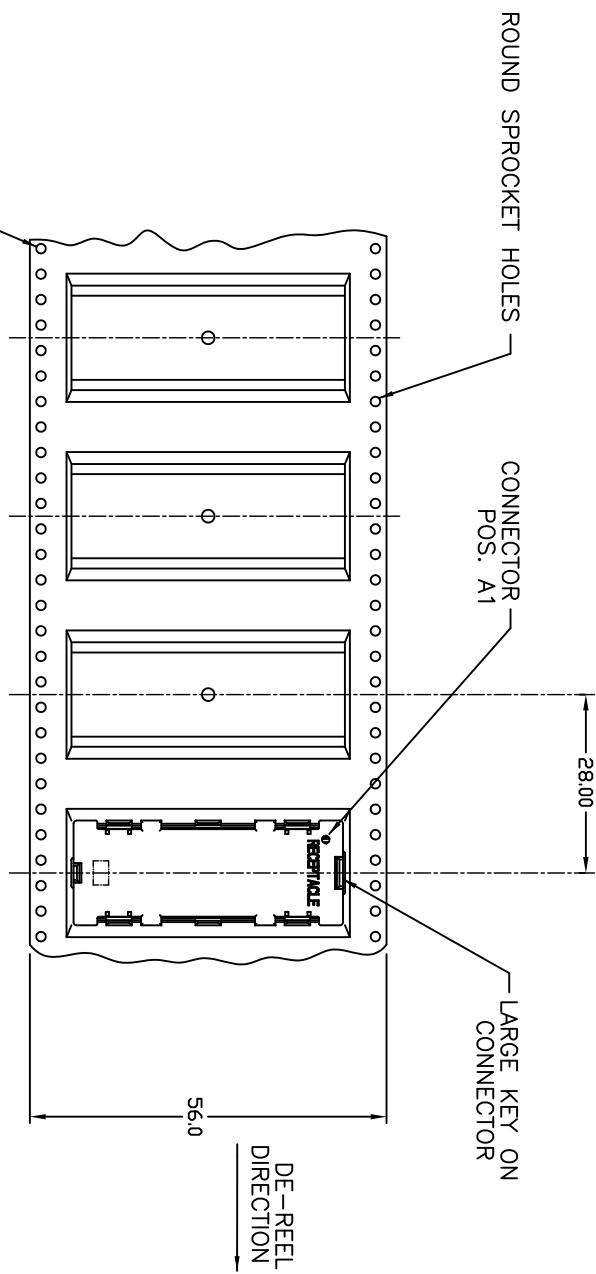
FCI



3



4



TAPE & REEL PACKAGING
PER EIA 481-3

mat'l. code	SEE NOTE 1	surface	tolerance	projection	product family
			ASME Y14.5 ✓	ASME Y14.5	MEG-ARRAY
ltr	ecn no	dr	date	tolerances unless otherwise specified	title
K				X 4.3	
				XXX x 13	
				scale 1:1	
				MM	
				8.0mm RECEPTACLE ASSEMBLY	
				10 x 30 = 300 POS.	
				dwg no	
				8455.3	
				sheet 4 of 4	
				size	
				A4	
sheet	revision	appd	W. SPINK	2000-02-23	type
index	sheet				CUSTOMER Drawing