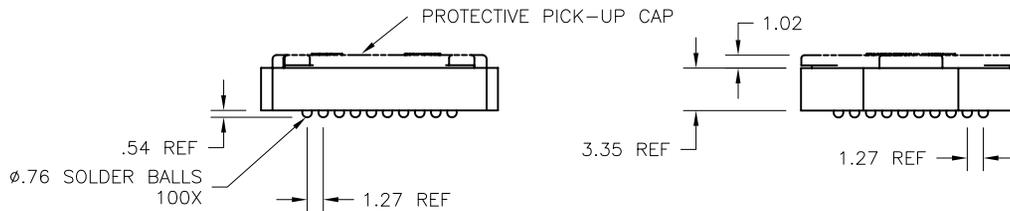


| PRODUCT No. | PICK-UP CAP (NATURAL OR BLACK COLOR) | CONTACT PLATING AND THICKNESS | SOLDER BALL | NOTES |
|------------------------|--|------------------------------------|----------------------|-----------------------|
| 84512-002 | YES | 15u" (.38um) Au | SnPb | |
| 84512-002LF | YES | 15u" (.38um) Au | LEAD FREE | 5 |
| 84512-092 | YES | 15u" (.38um) GXT | SnPb | |
| 84512-092LF | YES | 15u" (.38um) GXT | LEAD FREE | 5 |
| 84512-102 | YES | 30u" (.76um) Au | SnPb | |
| 84512-102LF | YES | 30u" (.76um) Au | LEAD FREE | 5 |
| 84512-192 | YES | 30u" (.76um) GXT | SnPb | |
| 84512-192LF | YES | 30u" (.76um) GXT | LEAD FREE | 5 |
| 84512-202 | YES | Au SPECIAL | SnPb | 3 |
| 84512-202LF | YES | Au SPECIAL | LEAD FREE | 3 AND 5 |
| 84512-292 | YES | GXT SPECIAL | SnPb | 3 |
| 84512-292LF | YES | GXT SPECIAL | LEAD FREE | 3 AND 5 |
| 84512-302 | YES | 15u" (.38um) Au SPECIAL | SnPb | 6 |
| 84512-302LF | YES | 15u" (.38um) Au SPECIAL | LEAD FREE | 5 AND 6 |
| 84512-402 | YES | 30u" (.76um) Au SPECIAL | SnPb | 6 |
| 84512-402LF | YES | 30u" (.76um) Au SPECIAL | LEAD FREE | 5 AND 6 |
| 84512-502 | YES | Au SPECIAL | SnPb | 3 AND 6 |
| 84512-502LF | YES | Au SPECIAL | LEAD FREE | 3, 5 AND 6 |



| | | | | | | | | | |
|-------------|--|------------|--|------------|--|------------|--|------------------------|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| - | | ASME Y14.5 | | ASME Y14.5 | | | | MEG-Array | |
| tr | | ecn no | | dr | | date | | title | |
| H | | V12-0030 | | RE | | 2012-08-06 | | Omm PLUG ASSY. | |
| J | | V12-0035 | | PK | | 2012-09-27 | | 10 X 10 = 100 POSITION | |
| K | | V12-0043 | | DCH | | 2012-11-15 | | scale 1:1 | |
| - | | - | | - | | - | | dwg no | |
| E | | V04-0940 | | VS | | 2004-10-18 | | sheet 1 of 3 | |
| F | | V06-0560 | | LP | | 2006-07-14 | | size | |
| G | | V07-0663 | | LP | | 2007-10-29 | | 84512 | |
| sheet | | revision | | K | | K | | A4 | |
| index | | sheet | | 1 | | 2 | | CUSTOMER Drawing | |

NOTES:

①. MAT'L

HOUSING: LCP
CONTACT: COPPER ALLOY

PLATING

CONTACT: (SEE TABLE ON SHEET1)
SOLDER BALL: (SEE TABLE ON SHEET1)
EUTECTIC SnPb OR LEAD FREE
95.5Sn/4Ag/0.5Cu

2. OVERALL BOARD-TO-BOARD STACK
HEIGHT WHEN MATED TO P/N 84513
100 POSITION 4.0mm RECPT. IS 4.0mm REF.



3. PLATING FOR -2XX SERIES PRODUCT NUMBERS MEET
THE REQUIREMENTS OF CENTRAL OFFICE ENVIRONMENT, 25 YEAR LIFE EXPECTANCY.
THE CONTACT GEOMETRY IN THESE PRODUCT NUMBERS IS SPECIAL, ALSO

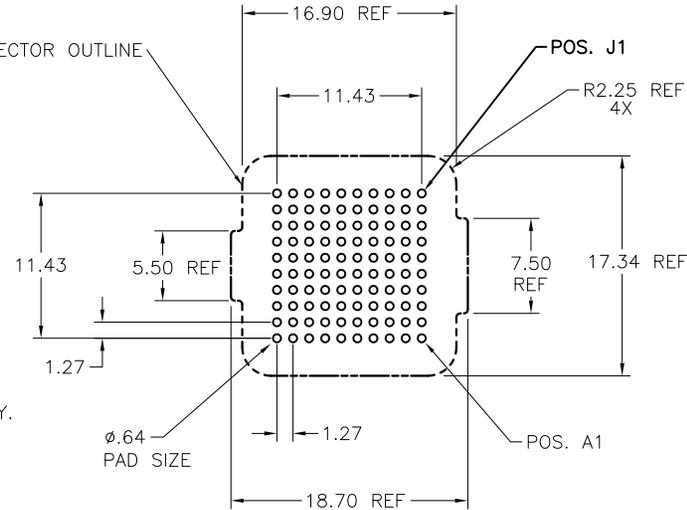
④. FOR PROPER APPLICATION FOLLOW FCI APPLICATION
SPECIFICATION GS-20-033 LEAD FREE SOLDER BALLS WILL
NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS
DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE
PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH
LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE
FCI APPLICATION SPECIFICATION

⑤. 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

⑥. 84512-302, -302LF, -402, -402LF, -502 AND -502LF ARE OBSOLETE

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

ONTO BOARD.
STENCIL MATED CONNECTOR OUTLINE



BOARD PATTERN

| | | | | | | | | | |
|-------------|----------------|------------|------|---------------------------------------|-----------|------------|--|------------------------|--|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| - | | ASME Y14.5 | | ASME Y14.5 | | | | MEG-Array | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | MM | | title | |
| k | | | | angles | X ±3 | MM | | 0mm PLUG ASSY. | |
| | | | | 0° ±2' | .XX ±.10 | scale 1:1 | | 10 X 10 = 100 POSITION | |
| | | | | | XXX ±.050 | FCI | | dwg no | |
| | | | | dr | D.VAUGHEN | 2000-08-03 | | sheet 2 of 3 | |
| | | | | engr | B.SPINK | 2000-09-08 | | size | |
| | | | | chr | B.SPINK | 2000-09-08 | | 84512 | |
| | | | | appd | B.SPINK | 2000-09-08 | | A4 | |
| sheet index | revision sheet | | | | | | | type | |
| | | | | | | | | CUSTOMER Drawing | |



Copyright FCI

1 | 2



FCIconnect.com



3 |



4

ROUND SPROCKET HOLES

LARGE KEY ON CONNECTOR

CONNECTOR
POS. A1

28.00

32.00

DE-REEL DIRECTION

ELONGATED HOLES

A

A

B

B

| | | | | | | | | | |
|-------------|----------------|------------|-----------|---------------------------------------|----------------|------------|--------------|--|------------------|
| mat'l. code | | surface | | tolerance | | projection | | product family | |
| - | | ASME Y14.5 | | ASME Y14.5 | | | | MEG-Array | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | | |
| k | | | | angles | $X \pm 3$ | MM | | title | |
| | | | | $0' \pm 2'$ | $.XX \pm 10$ | scale 1:1 | | Omm PLUG ASSY. 10 X 10 = 100 POSITION | |
| | | | | | $XXX \pm 0.50$ | | | dwg no | |
| | | dr | D.WAUGHEN | 2000-03-08 | | | sheet 3 of 3 | | size |
| | | engr | B.SPINK | 2000-03-08 | | | 84512 | | A4 |
| | | chr | B.SPINK | 2000-03-08 | | | type | | CUSTOMER Drawing |
| | | appd | B.SPINK | 2000-03-08 | | | | | |
| sheet index | revision sheet | | | | | | | | |

form: A4mmXLC

1 |

2 |

3 |

4