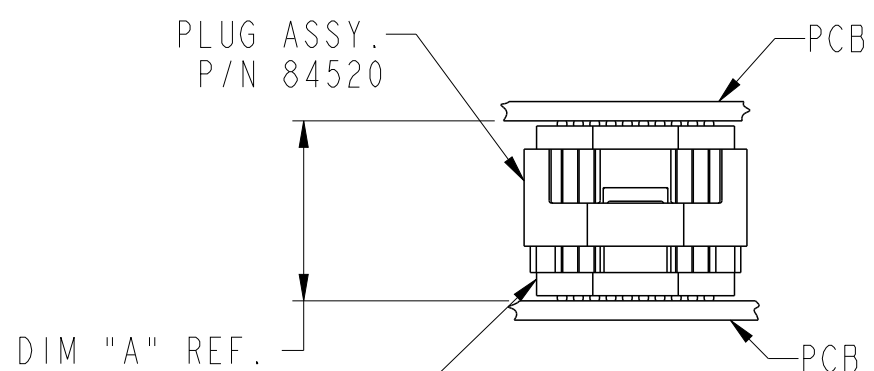
D

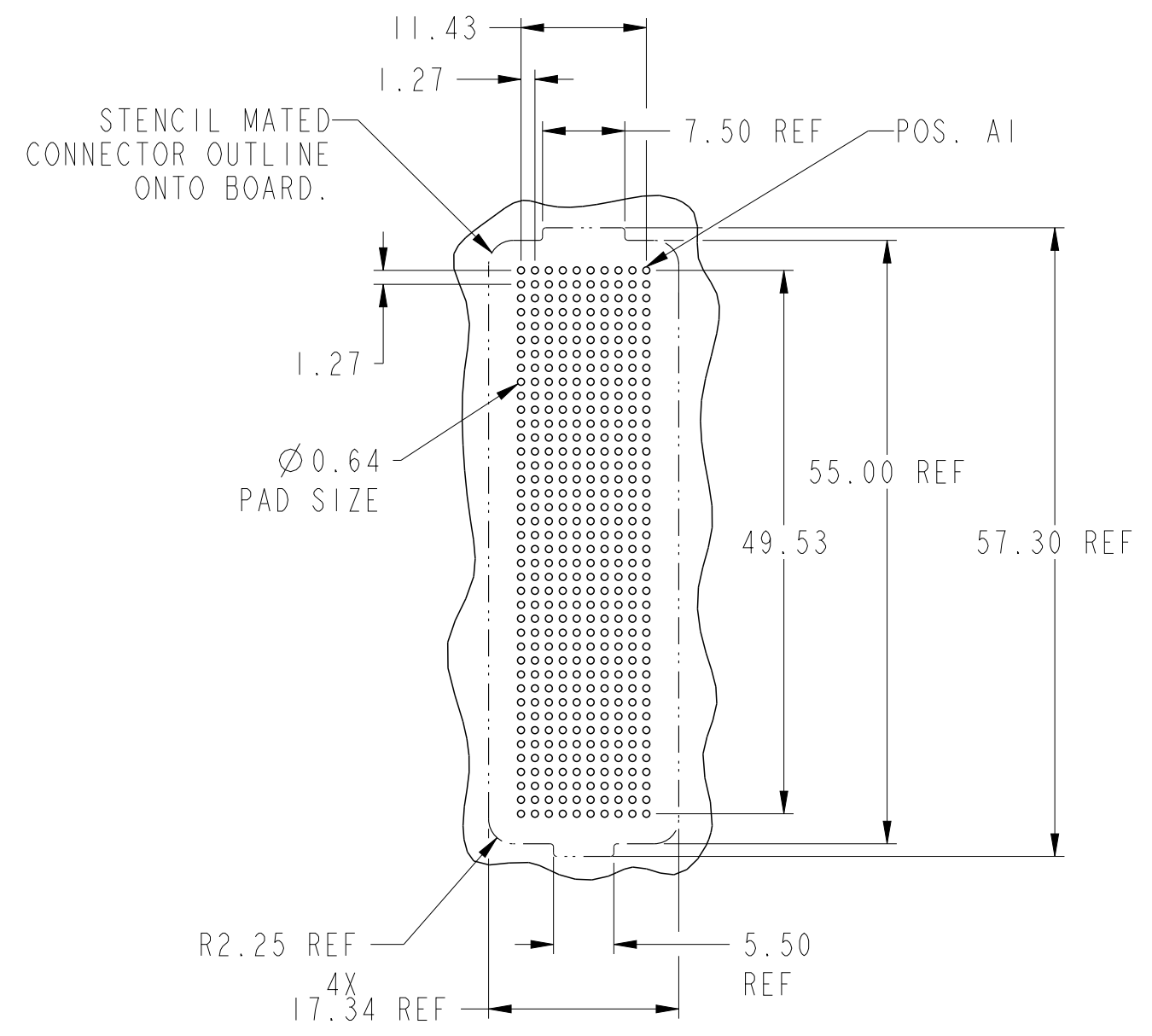


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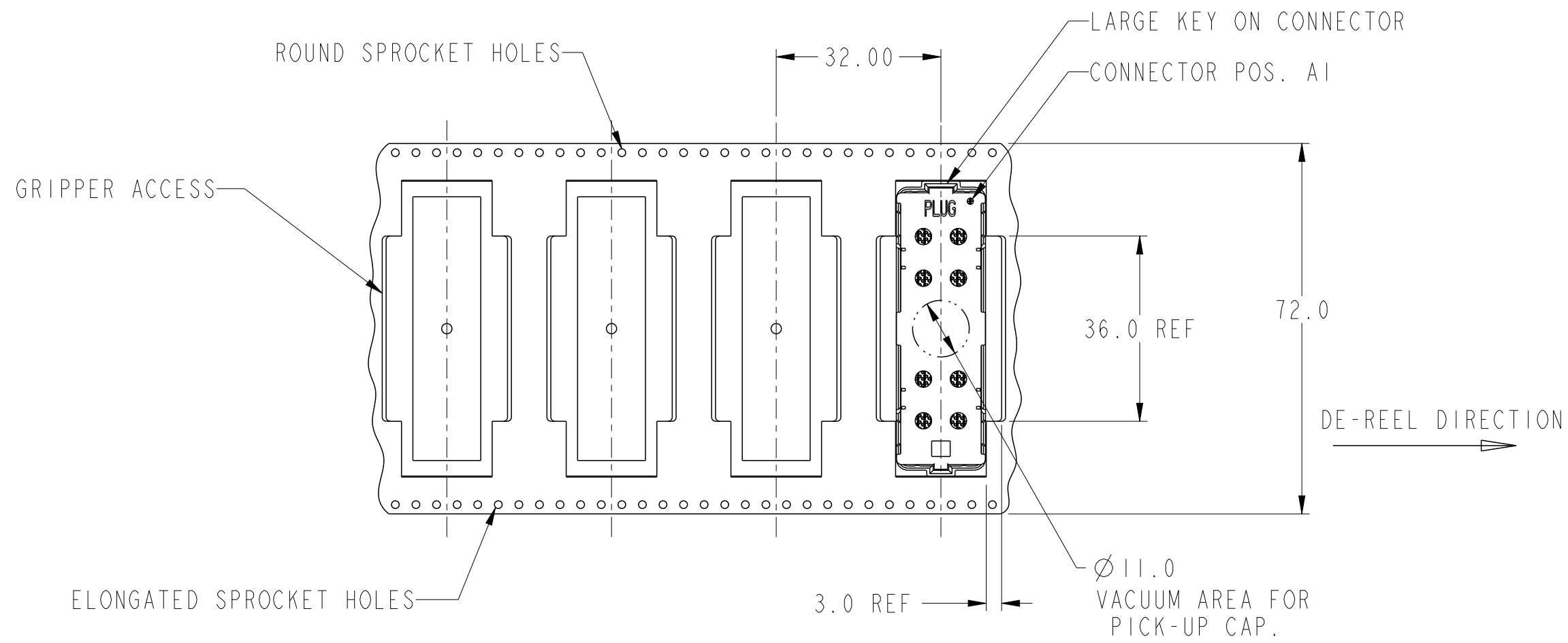
**END VIEW - MATED CONNECTORS**  
MATED HEIGHT AFTER REFLOW IS BASED ON Ø0.64mm PAD (METAL DEFINED) AND 0.13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3.

| MATED HEIGHT TABLE |                  |              |
|--------------------|------------------|--------------|
| DIM. "A"           | RECPT. ASSY. P/N | -2XX PLATING |
| 10.0               | 74221            | SEE NOTE 4   |
| 12.0               | 74388            | SEE NOTE 5   |
| 14.0               | 74390            | SEE NOTE 5   |



**BOARD PATTERN**

|                                  |                                       |       |        |             |               |                                                |            |  |        |        |               |                |           |
|----------------------------------|---------------------------------------|-------|--------|-------------|---------------|------------------------------------------------|------------|--|--------|--------|---------------|----------------|-----------|
| spec ref -                       |                                       |       |        | dr          | wcadmin       | 1999/08/19                                     | projection |  | mm     | size   | A3            | scale          | 10:1      |
| tolerance std<br>ASME Y14.5<br>- | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng         | Dave Horchler | 2012/11/21                                     |            |  |        | ecn no | ELX-V-13515-1 |                |           |
|                                  |                                       |       |        | chr         | -             | -                                              |            |  |        |        |               |                |           |
|                                  |                                       |       |        | appr        | R Marshall    | 2012/11/27                                     |            |  |        |        |               | product family | MEG-ARRAY |
| surface ✓<br><br>ASME Y14.5      | linear                                | 0.X   | ±0.3   |             | title         | 6.0mm PLUG ASSEMBLY<br>10 X 40 = 400 POSITIONS |            |  | dwg no | 84520  |               | rev            | H         |
|                                  |                                       | 0.XX  | ±0.13  |             |               |                                                |            |  |        |        |               |                |           |
|                                  |                                       | 0.XXX | ±0.051 |             |               |                                                |            |  |        |        |               |                |           |
|                                  | angular                               | 0°    | ±2°    | www.fci.com | cat. no.      | Product - Customer Drw                         |            |  |        |        | sheet 2 of 5  |                |           |



TAPE & REEL PACKAGING  
PER EIA 481-3

|                                  |                                       |       |        |      |                                                      |            |                                   |                           |                          |    |          |             |
|----------------------------------|---------------------------------------|-------|--------|------|------------------------------------------------------|------------|-----------------------------------|---------------------------|--------------------------|----|----------|-------------|
| spec ref -                       |                                       |       |        | dr   | w wcadmin                                            | 1999/08/19 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size                     | A3 | scale    | 2:1         |
| tolerance std<br>ASME Y14.5<br>- | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng  | Dave Horchler                                        | 2012/11/21 |                                   |                           | ecn no ELX-V-13515-1     |    |          |             |
|                                  |                                       |       |        | chr  | -                                                    | -          |                                   |                           | rel level Released       |    |          |             |
|                                  |                                       |       |        | appr | R Marshall                                           | 2012/11/27 |                                   |                           | product family MEG-ARRAY |    |          |             |
| surface ✓<br>ASME Y14.5          | linear                                | 0.X   | ±0.3   |      | title 6.0mm PLUG ASSEMBLY<br>10 X 40 = 400 POSITIONS |            |                                   |                           | dwg no                   |    | rev<br>H |             |
|                                  |                                       | 0.XX  | ±0.13  |      |                                                      |            |                                   |                           |                          |    |          |             |
|                                  |                                       | 0.XXX | ±0.051 |      |                                                      |            |                                   |                           |                          |    |          |             |
|                                  | angular                               | 0°    | ±2°    |      |                                                      |            |                                   |                           |                          |    |          | www.fci.com |

1

2

3

4

A

B

C

D

A

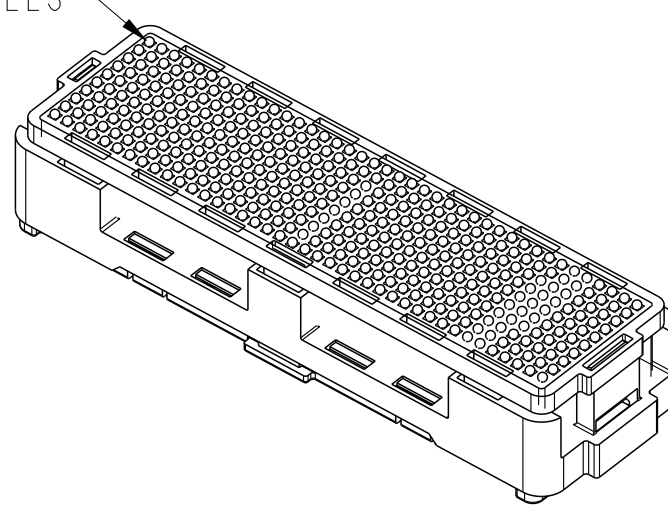
B

C

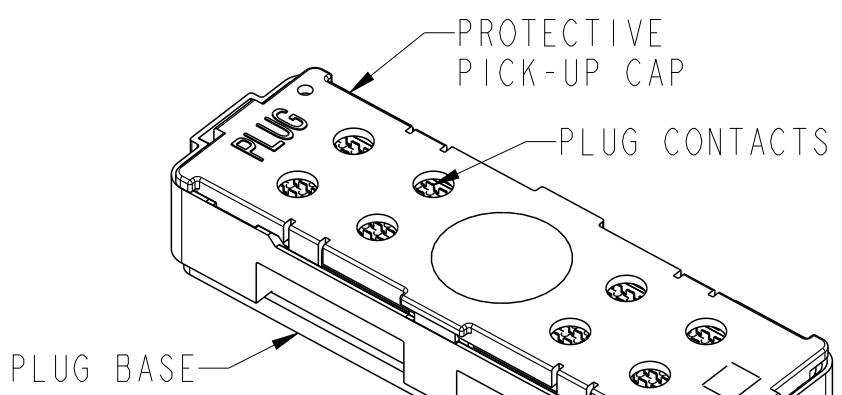
D

| PRODUCT NUMBER         | PICK-UP CAP<br>(NATURAL OR BLACK COLOR) | CONTACT PLATING AND THICKNESS        | SOLDER BALL          | NOTES                 |
|------------------------|-----------------------------------------|--------------------------------------|----------------------|-----------------------|
| 84520-002              | YES                                     | 15μ" / (.38μm) Au                    | SnPb                 |                       |
| 84520-002LF            | YES                                     | 15μ" / (.38μm) Au                    | LEAD FREE            | 8                     |
| 84520-092              | YES                                     | 15μ" / (.38μm) GXT                   | SnPb                 |                       |
| 84520-092LF            | YES                                     | 15μ" / (.38μm) GXT                   | LEAD FREE            | 8                     |
| 84520-102              | YES                                     | 30μ" / (.76μm) Au                    | SnPb                 |                       |
| 84520-102LF            | YES                                     | 30μ" / (.76μm) Au                    | LEAD FREE            | 8                     |
| 84520-192              | YES                                     | 30μ" / (.76μm) GXT                   | SnPb                 |                       |
| 84520-192LF            | YES                                     | 30μ" / (.76μm) GXT                   | LEAD FREE            | 8                     |
| 84520-202              | YES                                     | 50μ" / (1.27μm) Au SPECIAL           | SnPb                 | 4 AND 5               |
| 84520-202LF            | YES                                     | 50μ" / (1.27μm) Au SPECIAL           | LEAD FREE            | 4, 5, AND 8           |
| 84520-292              | YES                                     | 50μ" / (1.27μm) GXT SPECIAL          | SnPb                 | 4 AND 5               |
| 84520-292LF            | YES                                     | 50μ" / (1.27μm) GXT SPECIAL          | LEAD FREE            | 4, 5 AND 8            |
| <del>84520-302</del>   | <del>YES</del>                          | <del>15μ" / (.38μm) Au SPECIAL</del> | <del>SnPb</del>      | <del>9</del>          |
| <del>84520-302LF</del> | <del>YES</del>                          | <del>15μ" / (.38μm) Au SPECIAL</del> | <del>LEAD FREE</del> | <del>8 AND 9</del>    |
| <del>84520-402</del>   | <del>YES</del>                          | <del>30μ" / (.76μm) Au SPECIAL</del> | <del>SnPb</del>      | <del>9</del>          |
| <del>84520-402LF</del> | <del>YES</del>                          | <del>30μ" / (.76μm) Au SPECIAL</del> | <del>LEAD FREE</del> | <del>8 AND 9</del>    |
| <del>84520-502</del>   | <del>YES</del>                          | <del>Au SPECIAL</del>                | <del>SnPb</del>      | <del>4 AND 5</del>    |
| <del>84520-502LF</del> | <del>YES</del>                          | <del>Au SPECIAL</del>                | <del>LEAD FREE</del> | <del>4, 5 AND 8</del> |

SOLDER BALLS



BOTTOM VIEW



TOP VIEW

|               |            |         |               |             |                |                        |              |               |           |          |
|---------------|------------|---------|---------------|-------------|----------------|------------------------|--------------|---------------|-----------|----------|
| spec ref      | -          | dr      | wcadmin       | 1999/08/19  | projection     | mm                     | size         | A3            | scale     | 17:10    |
| tolerance std | ASME Y14.5 | eng     | Dave Horchler | 2012/11/21  | chr            | -                      | ecn no       | ELX-V-13515-1 | rel level | Released |
| surface       | ✓          | appr    | R Marshall    | 2012/11/27  | product family | MEG-ARRAY              | dwg no       | 84520         | rev       | H        |
| linear        | 0.X ±0.3   | angular | 0° ±2°        | www.fci.com | cat. no.       | Product - Customer Drw | sheet 4 of 5 |               |           |          |
| 0.XX ±0.13    |            |         |               |             |                |                        |              |               |           |          |
| 0.XXX ±0.051  |            |         |               |             |                |                        |              |               |           |          |



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2

3

PDS: Rev :H

STATUS:Released

Printed: Nov 28, 2012

|                |
|----------------|
| PRODUCT NUMBER |
| SEE TABLE      |

NOTES:

1. MATERIAL:  
HOUSING: LCP  
CONTACT: COPPER ALLOY
- PLATING:  
CONTACT: SEE TABLE ON SHEET 4  
SOLDER BALL: SEE TABLE ON SHEET 4  
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 MEETS 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 DIRECTIVE 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. 84520-302, -302LF, -402, -402LF, -502 AND -502LF ARE OBSOLETE.
11. A SYMBOL WILL BE NEXT TO ANY DIMENSION, NEW VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|               |  |                                                                                       |  |        |  |               |  |             |  |                                                                                       |  |                                                                                       |  |                     |  |               |  |           |  |          |  |                |  |           |  |        |  |
|---------------|--|---------------------------------------------------------------------------------------|--|--------|--|---------------|--|-------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------|--|---------------|--|-----------|--|----------|--|----------------|--|-----------|--|--------|--|
| spec ref      |  | -                                                                                     |  | dr     |  | w wcadmin     |  | 1999/08/19  |  | projection                                                                            |  | mm                                                                                    |  | size                |  | A3            |  | scale     |  | 2:1      |  |                |  |           |  |        |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                 |  | eng    |  | Dave Horchler |  | 2012/11/21  |  |  |  |  |  | ecn no              |  | ELX-V-13515-1 |  | rel level |  | Released |  |                |  |           |  |        |  |
| ASME Y14.5    |  |                                                                                       |  | chr    |  | -             |  | -           |  |                                                                                       |  |                                                                                       |  |                     |  |               |  |           |  |          |  |                |  |           |  |        |  |
| -             |  |                                                                                       |  | appr   |  | R Marshall    |  | 2012/11/27  |  |                                                                                       |  |                                                                                       |  |                     |  |               |  |           |  |          |  | product family |  | MEG-ARRAY |  |        |  |
| surface       |  |  |  | linear |  | 0.X           |  | ±0.3        |  |  |  | title                                                                                 |  | 6.0mm PLUG ASSEMBLY |  | dwg no        |  | 54520     |  | rev      |  | H              |  |           |  |        |  |
| ASME Y14.5    |  |                                                                                       |  |        |  |               |  |             |  |                                                                                       |  |                                                                                       |  |                     |  |               |  |           |  |          |  |                |  | 0.XX      |  | ±0.13  |  |
|               |  |                                                                                       |  |        |  |               |  |             |  |                                                                                       |  |                                                                                       |  |                     |  |               |  |           |  |          |  |                |  | 0.XXX     |  | ±0.051 |  |
| ASME Y14.5    |  | angular                                                                               |  | 0°     |  | ±2°           |  | www.fci.com |  | cat. no.                                                                              |  | Product - Customer Drw                                                                |  | sheet 5 of 5        |  |               |  |           |  |          |  |                |  |           |  |        |  |

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