

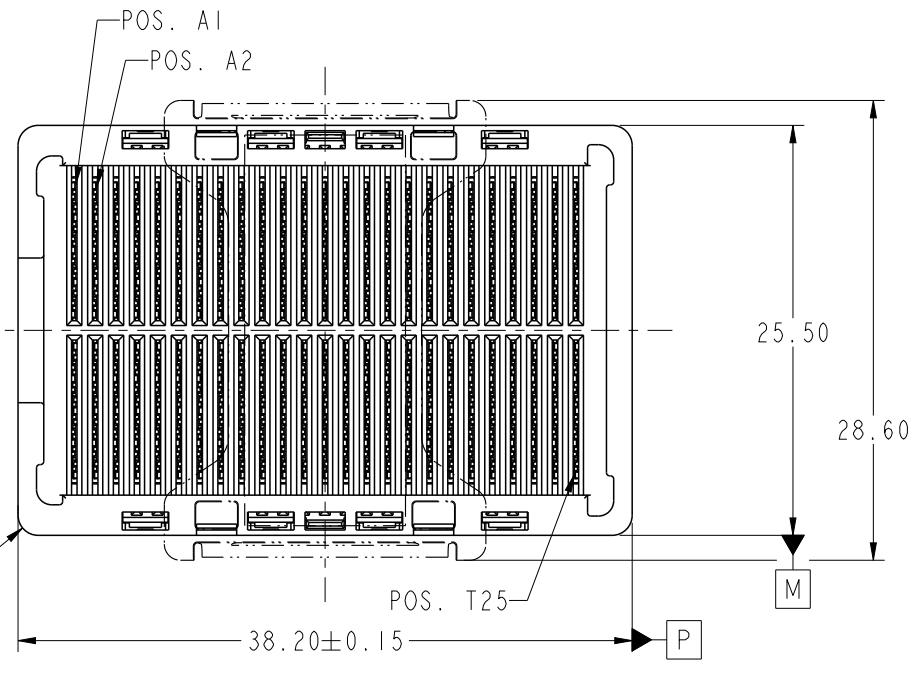
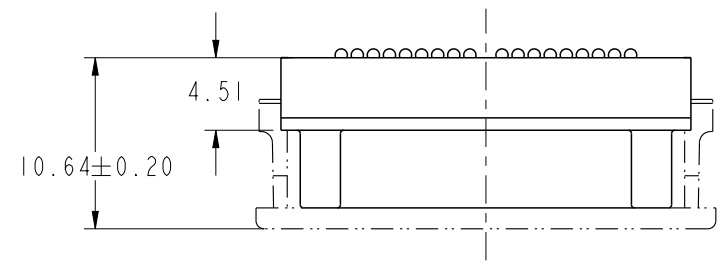
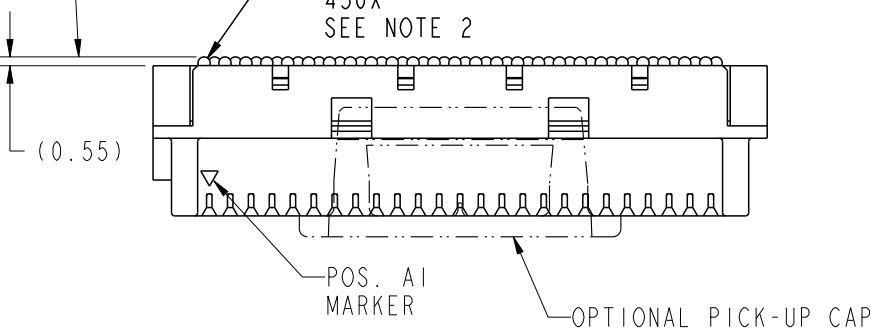


Copyright FCI.

0.20

Ø 0.76 SOLDER BALLS  
450X  
SEE NOTE 2

Ø 0.30 P M



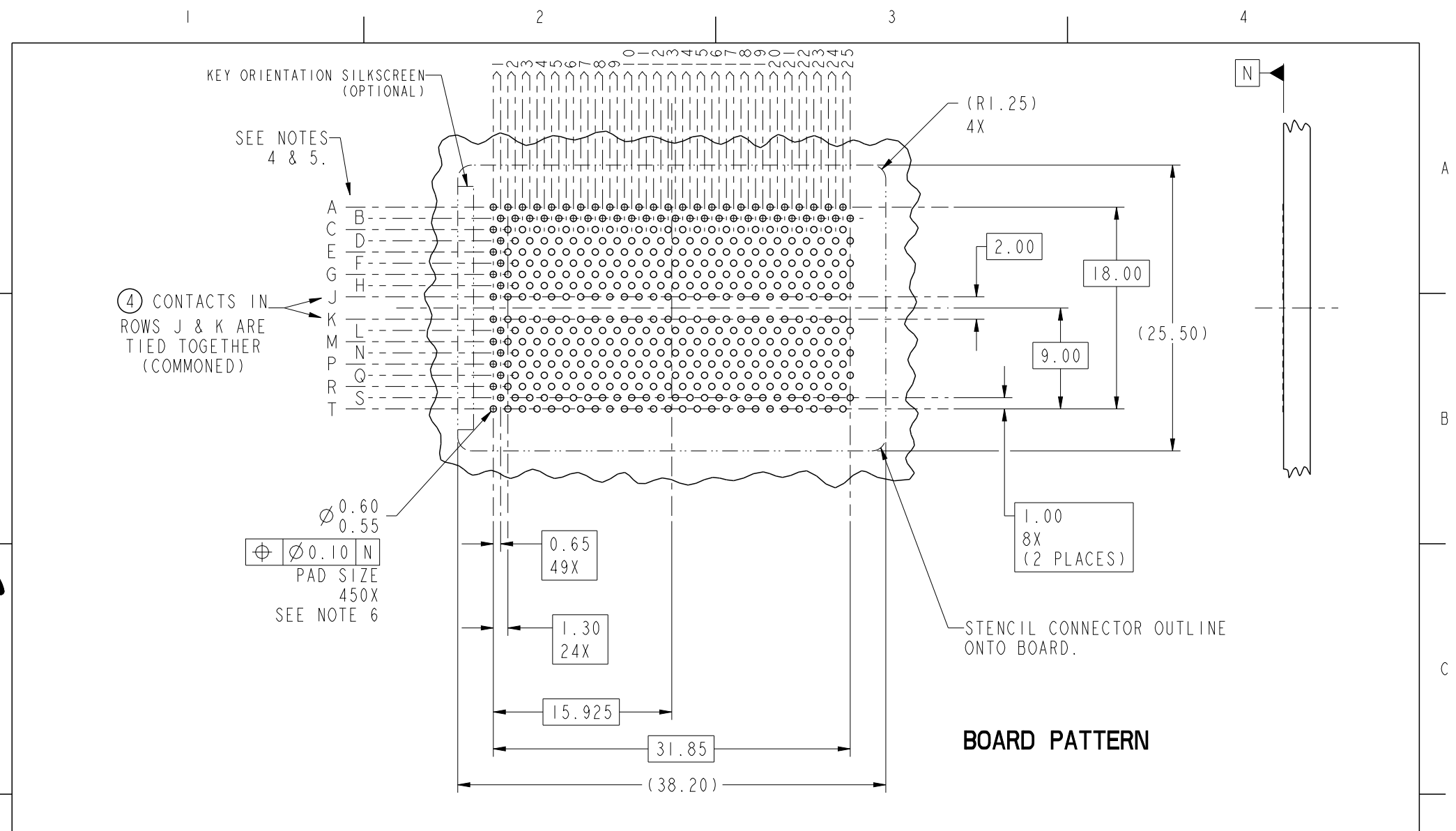
| rev | ecn no   | dr  | date       |
|-----|----------|-----|------------|
| A   | V06-0001 | DAI | 2006-01-10 |
| B   | V06-0109 | LP  | 2006-04-21 |
| C   | V06-0435 | LP  | 2006-05-08 |
| D   | V06-0523 | LP  | 2006-05-31 |
| E   | V06-0558 | LP  | 2006-06-21 |
| F   | V08-0489 | SM  | 2008-11-19 |

|                                  |                                       |       |       |                                                                |                               |                                   |                           |                                        |        |       |       |              |
|----------------------------------|---------------------------------------|-------|-------|----------------------------------------------------------------|-------------------------------|-----------------------------------|---------------------------|----------------------------------------|--------|-------|-------|--------------|
| spec ref *                       |                                       |       |       | dr <a href="#">Bill Lin</a> <a href="#">2010/02/02</a>         |                               | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size                                   | A4     | scale | 11:10 |              |
| tolerance std<br>ASME Y14.5<br>- | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng <a href="#">Nickor Zuo</a> <a href="#">2011/06/09</a>      |                               |                                   |                           | ecn no <a href="#">ELX-DG-003943-1</a> |        |       |       |              |
|                                  |                                       |       |       | chr <a href="#">Alex Cao</a> <a href="#">2011/06/24</a>        |                               |                                   |                           | rel level <b>Released</b>              |        |       |       |              |
|                                  |                                       |       |       | appr <a href="#">Pei-Ming Zheng</a> <a href="#">2011/06/27</a> |                               |                                   |                           |                                        |        |       |       |              |
| product family                   |                                       |       |       |                                                                |                               | GIG-Array                         |                           |                                        |        |       |       |              |
| surface                          | linear                                | 0.X   | ±0.30 |                                                                | title GIG-Array               |                                   |                           |                                        | dwg no | 55740 |       | rev <b>G</b> |
|                                  |                                       | 0.XX  | ±0.10 |                                                                |                               |                                   |                           |                                        |        |       |       |              |
|                                  |                                       | 0.XXX | ±0.05 |                                                                | 5mm RECP. ASSY. 200 SIG. POS. |                                   |                           |                                        |        |       |       |              |
|                                  | angular                               | 0°    | ±2°   |                                                                | www.fci.com                   |                                   | cat. no. *                |                                        |        |       |       |              |

Print File - REV C - 2009-06-09

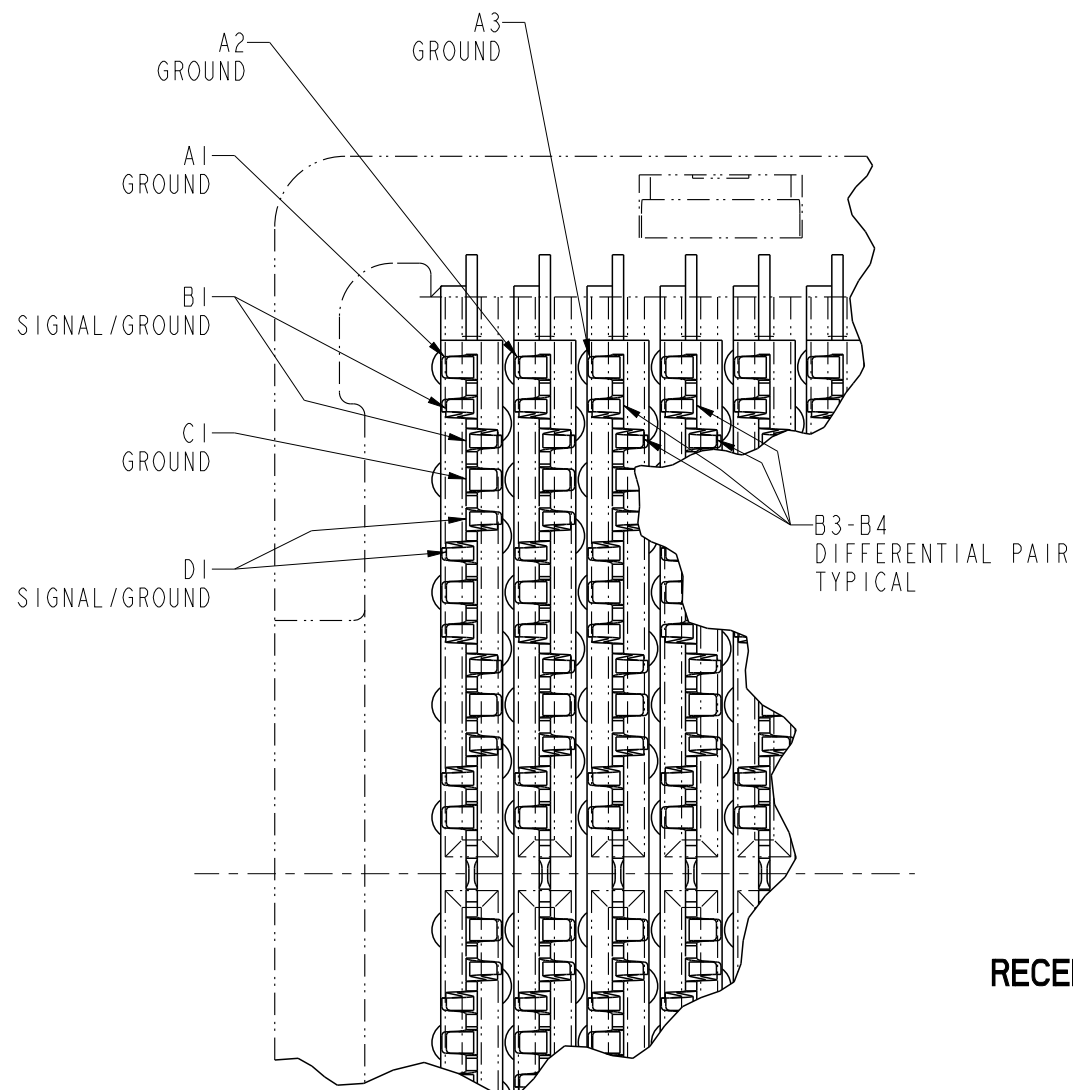


Copyright FCI.

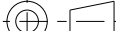


|               |       |                                       |        |       |             |                |            |                                   |                           |                        |    |                 |              |       |  |     |   |
|---------------|-------|---------------------------------------|--------|-------|-------------|----------------|------------|-----------------------------------|---------------------------|------------------------|----|-----------------|--------------|-------|--|-----|---|
| spec ref      |       | *                                     |        | dr    |             | Bill Lin       | 2010/02/02 | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size                   | A4 | scale           | 11:10        |       |  |     |   |
| tolerance std |       | TOLERANCES UNLESS OTHERWISE SPECIFIED |        | eng   |             | Nickor Zuo     | 2011/06/09 |                                   |                           | ecn no                 |    | ELX-DG-003943-1 |              |       |  |     |   |
| ASME Y14.5    |       |                                       |        | chr   |             | Alex Cao       | 2011/06/24 |                                   |                           | rel level              |    | Released        |              |       |  |     |   |
| -             |       |                                       |        | appr  |             | Pei-Ming Zheng | 2011/06/27 |                                   |                           | product family         |    | GIG-Array       |              |       |  |     |   |
| surface       |       | <div>✓</div>                          | linear | 0.X   | ±0.30       |                | title      |                                   |                           | GIG-Array              |    |                 | dwg no       | 55740 |  | rev | G |
|               | 0.XX  |                                       |        | ±0.10 |             |                |            |                                   |                           |                        |    |                 |              |       |  |     |   |
|               | 0.XXX |                                       |        | ±0.05 |             |                |            |                                   |                           |                        |    |                 |              |       |  |     |   |
| -             |       | angular                               | 0°     | ±2°   | www.fci.com |                | cat. no.   |                                   | *                         | Product - Customer Drw |    |                 | sheet 2 of 5 |       |  |     |   |

PrintE File - REV C - 2009-06-09

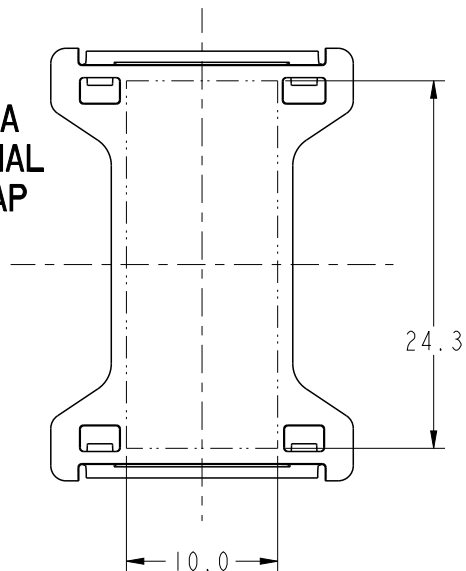


## RECEPTACLE INTERFACE DESCRIPTION

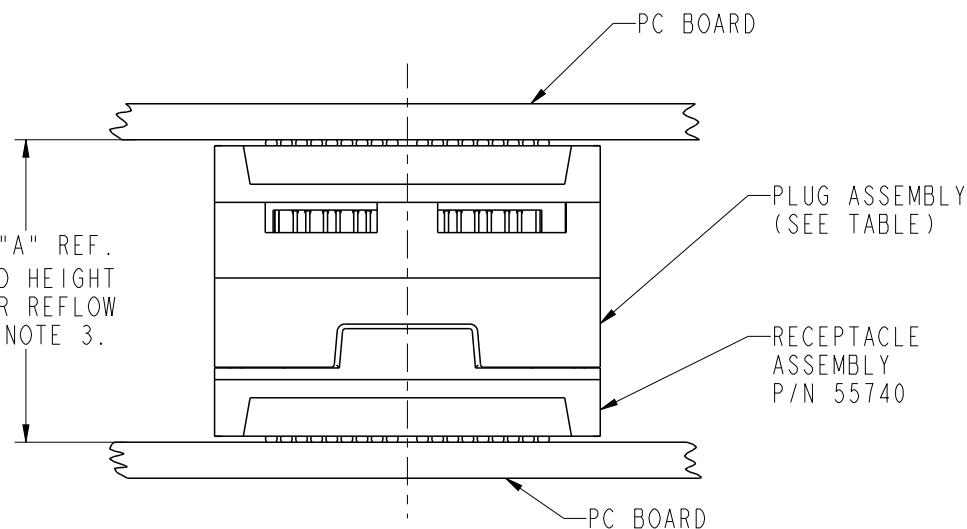
|                                                                           |        |           |       |                                                                                     |                               |             |                                                                                                     |                                                                                             |           |                        |       |              |                 |
|---------------------------------------------------------------------------|--------|-----------|-------|-------------------------------------------------------------------------------------|-------------------------------|-------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------------------|-------|--------------|-----------------|
| spec ref *                                                                |        |           |       | dr                                                                                  | Bill Lin                      | 2010/02/02  | projection<br> | mm<br> | size      | A4                     | scale | 37:5         |                 |
| tolerance std<br>ASME Y14.5<br>-<br>TOLERANCES UNLESS OTHERWISE SPECIFIED |        |           |       | eng                                                                                 | Nickor Zuo                    | 2011/06/09  |                                                                                                     |                                                                                             | ecn no    |                        |       |              | ELX-DG-003943-1 |
|                                                                           |        |           |       | chr                                                                                 | Alex Cao                      | 2011/06/24  |                                                                                                     |                                                                                             | rel level |                        |       |              | Released        |
|                                                                           |        |           |       | appr                                                                                | Pei-Ming Zheng                | 2011/06/27  | product family                                                                                      |                                                                                             | GIG-Array |                        |       |              |                 |
| surface<br>✓<br>-<br>-                                                    | linear | 0.X       | ±0.30 |  | title                         |             |                                                                                                     | dwg no                                                                                      | 55740     |                        |       | rev          | G               |
|                                                                           |        | GIG-Array |       |                                                                                     |                               |             |                                                                                                     |                                                                                             |           |                        |       |              |                 |
|                                                                           |        | 0.XX      | ±0.10 |                                                                                     | 5mm RECP. ASSY. 200 SIG. POS. |             |                                                                                                     |                                                                                             |           |                        |       |              |                 |
|                                                                           | 0.XXX  | ±0.05     |       |                                                                                     |                               |             |                                                                                                     |                                                                                             |           |                        |       |              |                 |
| angular                                                                   |        |           |       | 0°                                                                                  | ±2°                           | www.fci.com | cat. no.                                                                                            |                                                                                             | *         | Product - Customer Drw |       | sheet 3 of 5 |                 |

Print File - REV C - 2009-06-09

FLAT AREA  
FOR OPTIONAL  
PICK-UP CAP  
SCALE 2:1

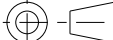


DIM "A" REF.  
MATED HEIGHT  
AFTER REFLOW  
SEE NOTE 3.



END VIEW OF MATED CONNECTORS  
SCALE 2:1

| DIM. "A" | PLUG ASSEMBLY P/N |
|----------|-------------------|
| 15       | 55737             |
| 17       | 10026802          |
| 18       | 10030626          |
| 20       | 55738             |
| 25       | 55739             |
| 30       | 10054783          |

|                                  |                                       |         |       |                                                                                     |                |                                            |                                                                                                     |                                                                                             |           |                 |                              |                 |
|----------------------------------|---------------------------------------|---------|-------|-------------------------------------------------------------------------------------|----------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|-----------------|------------------------------|-----------------|
| spec ref                         | *                                     |         |       | dr                                                                                  | Bill Lin       | 2010/02/02                                 | projection<br> | mm<br> | size      | A4              | scale                        | 11:10           |
| tolerance std<br>ASME Y14.5<br>- | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       | eng                                                                                 | Nickor Zuo     | 2011/06/09                                 |                                                                                                     |                                                                                             | ecn no    | ELX-DG-003943-1 |                              |                 |
|                                  |                                       |         |       | chr                                                                                 | Alex Cao       | 2011/06/24                                 |                                                                                                     |                                                                                             |           |                 |                              |                 |
|                                  |                                       |         |       | appr                                                                                | Pei-Ming Zheng | 2011/06/27                                 | product family                                                                                      |                                                                                             | GIG-Array |                 | rel level<br><b>Released</b> |                 |
| surface<br>✓<br>-                | linear                                | 0.X     | ±0.30 |  | title          | GIG-Array<br>5mm RECP. ASSY. 200 SIG. POS. |                                                                                                     |                                                                                             | dwg no    | 55740           |                              | rev<br><b>G</b> |
|                                  |                                       | 0.XX    | ±0.10 |                                                                                     |                |                                            |                                                                                                     |                                                                                             |           |                 |                              |                 |
|                                  |                                       | 0.XXX   | ±0.05 |                                                                                     |                |                                            |                                                                                                     |                                                                                             |           |                 |                              |                 |
|                                  |                                       | angular | 0°    | ±2°                                                                                 | www.fci.com    | cat. no.                                   | *                                                                                                   | Product - Customer Drw                                                                      |           |                 | sheet 4 of 5                 |                 |

Print File - REV C - 2009-06-09

| PRODUCT NUMBER | SOLDER BALL COMPOSITION | CONTACT PLATING PERFORMANCE LEVEL                                                                                                        |
|----------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 55740-001      | STANDARD (EUTECTIC)     | PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE |
| 55740-001LF    | LEADFREE                |                                                                                                                                          |
| 55740-201      | STANDARD (EUTECTIC)     |                                                                                                                                          |
| 55740-201LF    | LEADFREE                |                                                                                                                                          |

NOTES:

① MATERIAL:  
HOUSING: LCP  
CONTACT: COPPER ALLOY  
PLATING (CONTACT): SEE TABLE.  
UL RATING: 94 V-0  
SOLDBALL: (SEE TABLE) EUTECTIC  
SnPb OR LEAD FREE 95.5 Sn/4Ag/0.5Cu.

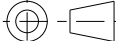
② SOLDER BALLS WILL NOT BE PERFECT  
SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.

③ MATED HEIGHT EFFECTED BY CUSTOMERS'  
PCB PAD SIZE, PLATING, SOLDER REFLOW  
PROFILE & SOLDER PASTE.

④ CONTACTS IN ROWS A,C,E,G,J,K,M,P,R AND T  
ARE SINGLE BEAM CONTACTS,  
TYPICALLY USED AS GROUND PINS.  
(NOTE: CONTACTS IN ROWS J & K ARE  
TIED TOGETHER [COMMONED])

⑤ CONTACTS IN ROWS B,D,F,H,L,N,Q AND S  
ARE DUAL BEAM CONTACTS,  
TYPICALLY USED AS SIGNAL PINS.

- ⑥ SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE OF LAND PATTERN TO FUDICIAL MARKS OR PCB DATUMS SHALL BE DEFINED BY CUSTOMER. FOR RECOMMENDED PRODUCT APPLICATION AND PCB DESIGN DETAILS, SEE DOC. NO. GS-20-016.
- 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. LEADFREE PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE FCI APPLICATION SPECIFICATION.
- ⑧ THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSTION.

|                                  |                                       |       |       |                                                                                     |                                                     |            |                                                                                                     |                                                                                             |                        |                 |              |           |
|----------------------------------|---------------------------------------|-------|-------|-------------------------------------------------------------------------------------|-----------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------|-----------------|--------------|-----------|
| spec ref                         |                                       | *     |       | dr                                                                                  | Bill Lin                                            | 2010/02/02 | projection<br> | mm<br> | size                   | A4              | scale        | 11:10     |
| tolerance std<br>ASME Y14.5<br>- | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng                                                                                 | Nickor Zuo                                          | 2011/06/09 |                                                                                                     |                                                                                             | ecn no                 | ELX-DG-003943-1 |              |           |
|                                  |                                       |       |       | chr                                                                                 | Alex Cao                                            | 2011/06/24 |                                                                                                     |                                                                                             |                        |                 |              |           |
|                                  |                                       |       |       |                                                                                     |                                                     |            | appr                                                                                                | Pei-Ming Zheng                                                                              | 2011/06/27             | product family  |              | GIG-Array |
| surface<br>✓<br>-                | linear                                | 0.X   | ±0.30 |  | title<br>GIG-Array<br>5mm RECP. ASSY. 200 SIG. POS. |            |                                                                                                     | dwg no                                                                                      | 55740                  |                 | rev<br>G     |           |
|                                  |                                       | 0.XX  | ±0.10 |                                                                                     |                                                     |            |                                                                                                     |                                                                                             |                        |                 |              |           |
|                                  |                                       | 0.XXX | ±0.05 |                                                                                     |                                                     |            |                                                                                                     |                                                                                             |                        |                 |              |           |
|                                  | angular                               |       | 0°    | ±2°                                                                                 | www.fci.com                                         | cat. no.   |                                                                                                     | *                                                                                           | Product - Customer Drw |                 | sheet 5 of 5 |           |

PrintE File - REV C - 2009-06-09