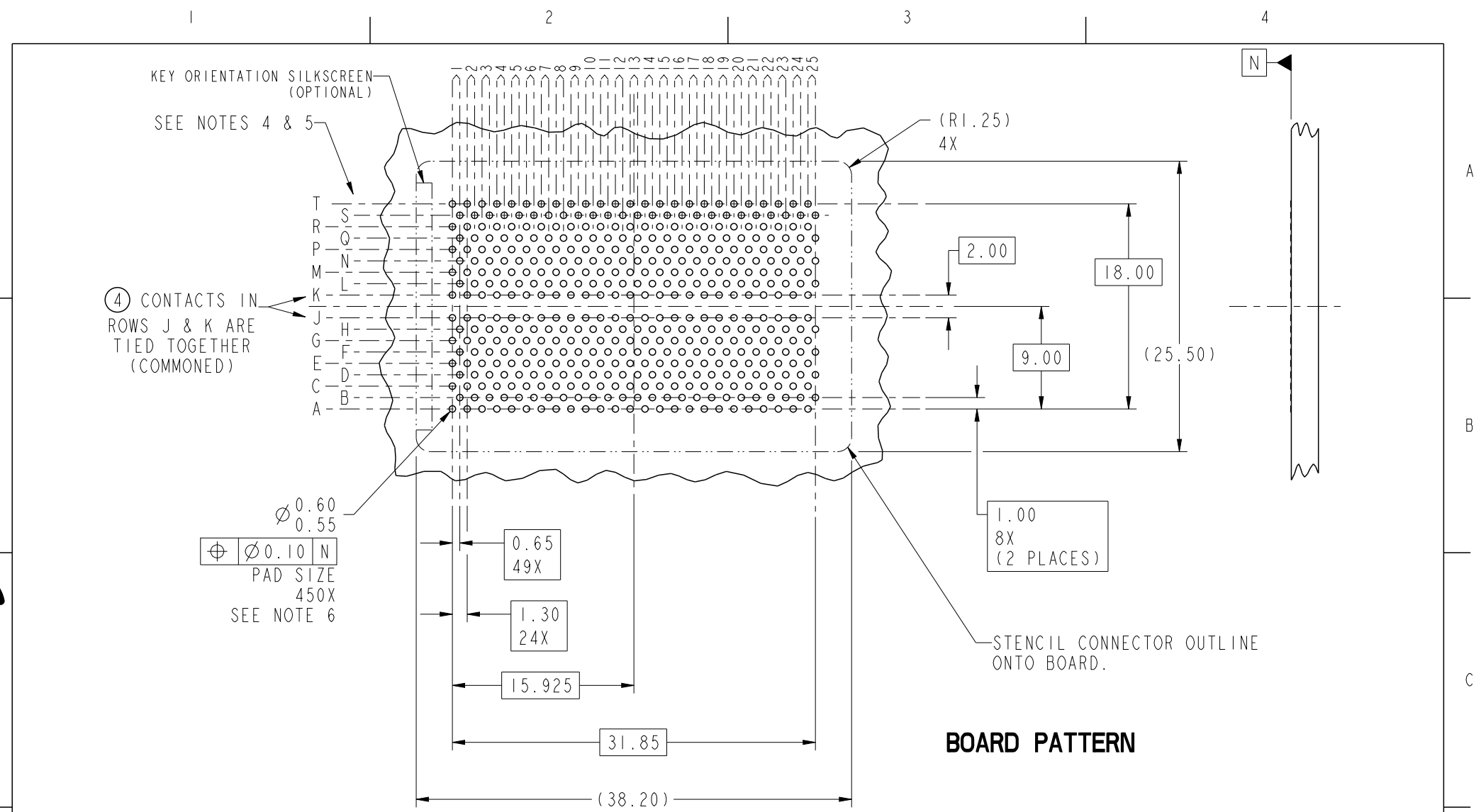
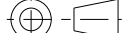


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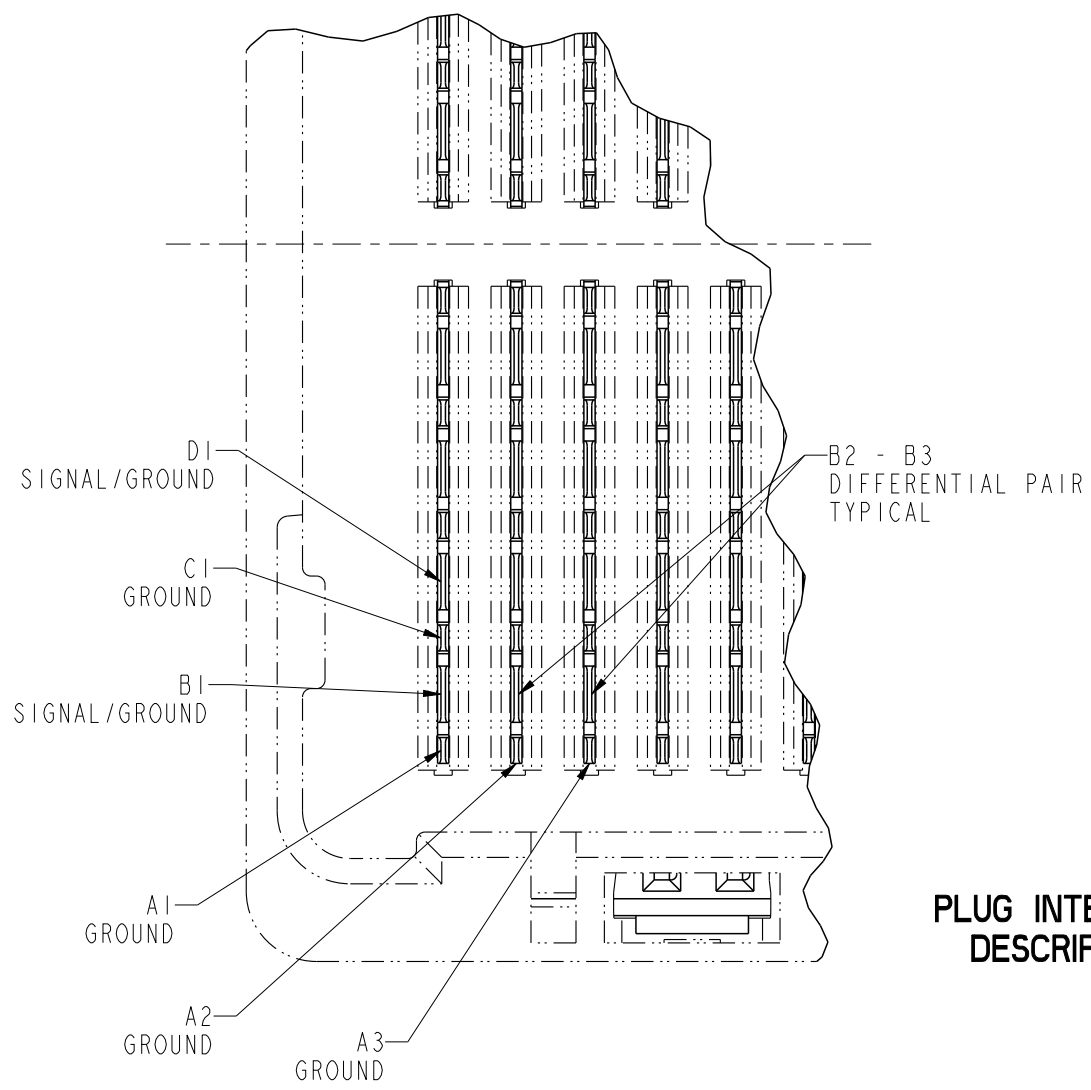


|                                                                                             |                                       |         |       |                                                                                     |                                                  |                                                                                                     |                                                                                             |                                        |              |
|---------------------------------------------------------------------------------------------|---------------------------------------|---------|-------|-------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------|--------------|
| spec ref -                                                                                  |                                       |         |       | dr <a href="#">Bill Lin</a> 2010/02/02                                              |                                                  | projection<br> | mm<br> | size A4                                | scale 21:10  |
| tolerance std<br>ASME Y14.5 -                                                               | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       | eng <a href="#">Nickor Zuo</a> 2011/06/09                                           |                                                  |                                                                                                     |                                                                                             | ecn no <a href="#">ELX-DG-003943-1</a> |              |
|                                                                                             |                                       |         |       | chr <a href="#">Alex Cao</a> 2011/06/24                                             |                                                  |                                                                                                     |                                                                                             | rel level <b>Released</b>              |              |
|                                                                                             |                                       |         |       | appr <a href="#">Pei-Ming Zheng</a> 2011/06/27                                      |                                                  |                                                                                                     |                                                                                             |                                        |              |
| surface  | linear                                | 0.X     | ±0.30 |  | title GIG-Array<br>10mm PLUG ASSY. 200 SIG. POS. |                                                                                                     |                                                                                             | dwg no 55737                           | rev <b>E</b> |
|                                                                                             |                                       | 0.XX    | ±0.10 |                                                                                     |                                                  |                                                                                                     |                                                                                             |                                        |              |
|                                                                                             |                                       | 0.XXX   | ±0.05 |                                                                                     |                                                  |                                                                                                     |                                                                                             |                                        |              |
|                                                                                             | -                                     | angular | 0°    |                                                                                     |                                                  |                                                                                                     |                                                                                             |                                        |              |

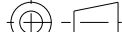
PrintE File - REV C - 2009-06-09



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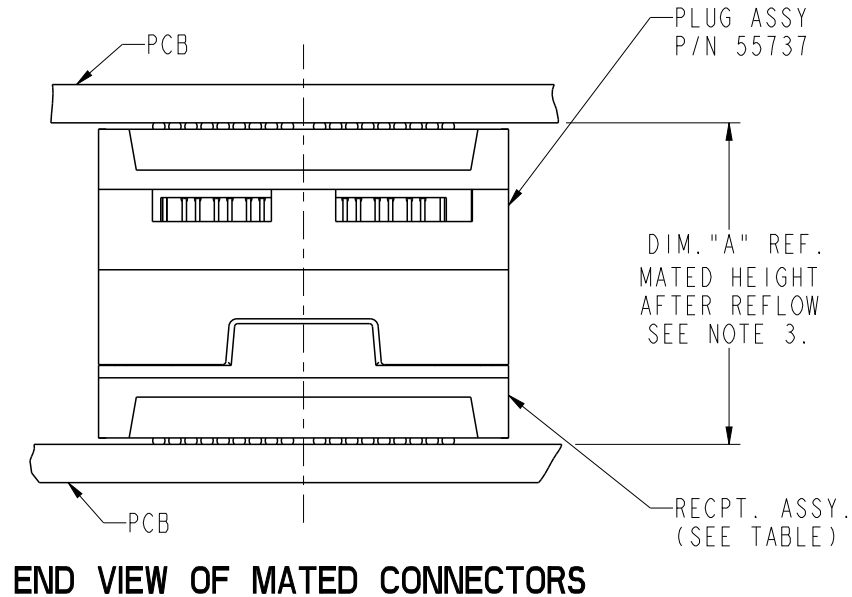
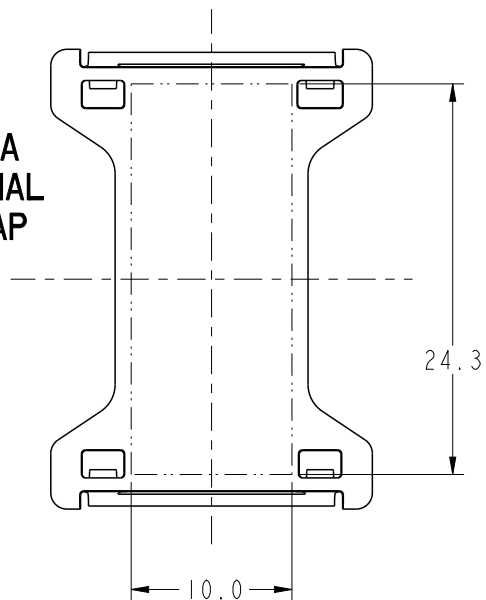


### PLUG INTERFACE DESCRIPTION

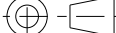
|                                                                                                            |                                       |         |       |                                                                                     |                                                  |                                                                                                     |                                                                                          |                        |                        |
|------------------------------------------------------------------------------------------------------------|---------------------------------------|---------|-------|-------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------|------------------------|
| spec ref -                                                                                                 |                                       |         |       | dr Bill Lin2010/02/02                                                               |                                                  | projection<br> |  mm | size A4                | scale 3:10             |
| tolerance std<br>ASME Y14.5<br>-                                                                           | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       | eng Nickor Zuo2011/06/09                                                            |                                                  |                                                                                                     |                                                                                          | ecn no ELX-DG-003943-1 |                        |
|                                                                                                            |                                       |         |       | chr Alex Cao2011/06/24                                                              |                                                  |                                                                                                     |                                                                                          | rel level Released     |                        |
|                                                                                                            |                                       |         |       | appr Pei-Ming Zheng2011/06/27                                                       |                                                  |                                                                                                     |                                                                                          |                        |                        |
| surface <br>-<br>linear |                                       | 0.X     | ±0.30 |  | title GIG-Array<br>10mm PLUG ASSY. 200 SIG. POS. |                                                                                                     |                                                                                          | dwg no 55737           | rev E                  |
|                                                                                                            |                                       | 0.XX    | ±0.10 |                                                                                     |                                                  |                                                                                                     |                                                                                          |                        |                        |
|                                                                                                            |                                       | 0.XXX   | ±0.05 |                                                                                     |                                                  |                                                                                                     |                                                                                          |                        |                        |
|                                                                                                            |                                       | angular |       | 0°                                                                                  | ±2°                                              | www.fci.com                                                                                         | cat. no.                                                                                 |                        | Product - Customer Drw |

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FLAT AREA  
FOR OPTIONAL  
PICK-UP CAP



| DIM. "A" | RECPT. ASSY. P/N |
|----------|------------------|
| 15       | 55740            |
| 20       | 10026010         |
| 25       | 55741            |

|                                  |                                       |         |       |                                                                                     |                |                                            |                                                                                                                                                                                                                                       |                        |       |              |      |           |
|----------------------------------|---------------------------------------|---------|-------|-------------------------------------------------------------------------------------|----------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------|--------------|------|-----------|
| spec ref -                       |                                       |         |       | dr                                                                                  | Bill Lin       | 2010/02/02                                 | <div>projection</div> <div></div> <div>mm</div> <div></div> | size                   | A4    | scale        | 3:10 |           |
| 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 |
| surface ✓<br><br>-               | linear                                | 0.X     | ±0.30 |  | title          | GIG-Array<br>10mm PLUG ASSY. 200 SIG. POS. |                                                                                                                                                                                                                                       | dwg no                 | 55737 |              | rev  | E         |
|                                  |                                       | 0.XX    | ±0.10 |                                                                                     |                |                                            |                                                                                                                                                                                                                                       |                        |       |              |      |           |
|                                  |                                       | 0.XXX   | ±0.05 |                                                                                     |                |                                            |                                                                                                                                                                                                                                       |                        |       |              |      |           |
|                                  |                                       | angular | 0°    | ±2°                                                                                 | www.fci.com    | cat. no.                                   | Product - Customer Drw                                                                                                                                                                                                                |                        |       | sheet 4 of 5 |      |           |

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| PRODUCT NUMBER | SOLDER BALL COMPOSITION | CONTACT PLATING PERFORMANCE LEVEL                                                                                                        |
|----------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 55737-001      | STANDARD (EUTECTIC)     | PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE |
| 55737-001LF    | LEADFREE                |                                                                                                                                          |
| 55737-201      | STANDARD (EUTECTIC)     |                                                                                                                                          |
| 55737-201LF    | LEADFREE                |                                                                                                                                          |

Au over Ni

## NOTES:

### ① MAT'L:

HOUSING: LCP  
CONTACT: COPPER ALLOY  
PLATING (CONTACT): Au OVER Ni.  
UL RATING: 94 V-0  
SOLDERBALL: (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 | <div>projection</div> <div></div> <div>mm</div> <div></div> | size   | A4              | scale        | 3:10     |
| 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       |              | Released |
| surface<br>✓<br>-                | linear                                | 0.X   | ±0.30 |             | title<br>GIG-Array<br>10mm PLUG ASSY. 200 SIG. POS. |            |                                                             | dwg no | 55737           |              | rev<br>E |
|                                  |                                       | 0.XX  | ±0.10 |             |                                                     |            |                                                             |        |                 |              |          |
|                                  |                                       | 0.XXX | ±0.05 |             |                                                     |            |                                                             |        |                 |              |          |
|                                  | angular                               | 0°    | ±2°   | www.fci.com | cat. no.                                            |            | Product - Customer Drw                                      |        |                 | sheet 5 of 5 |          |

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