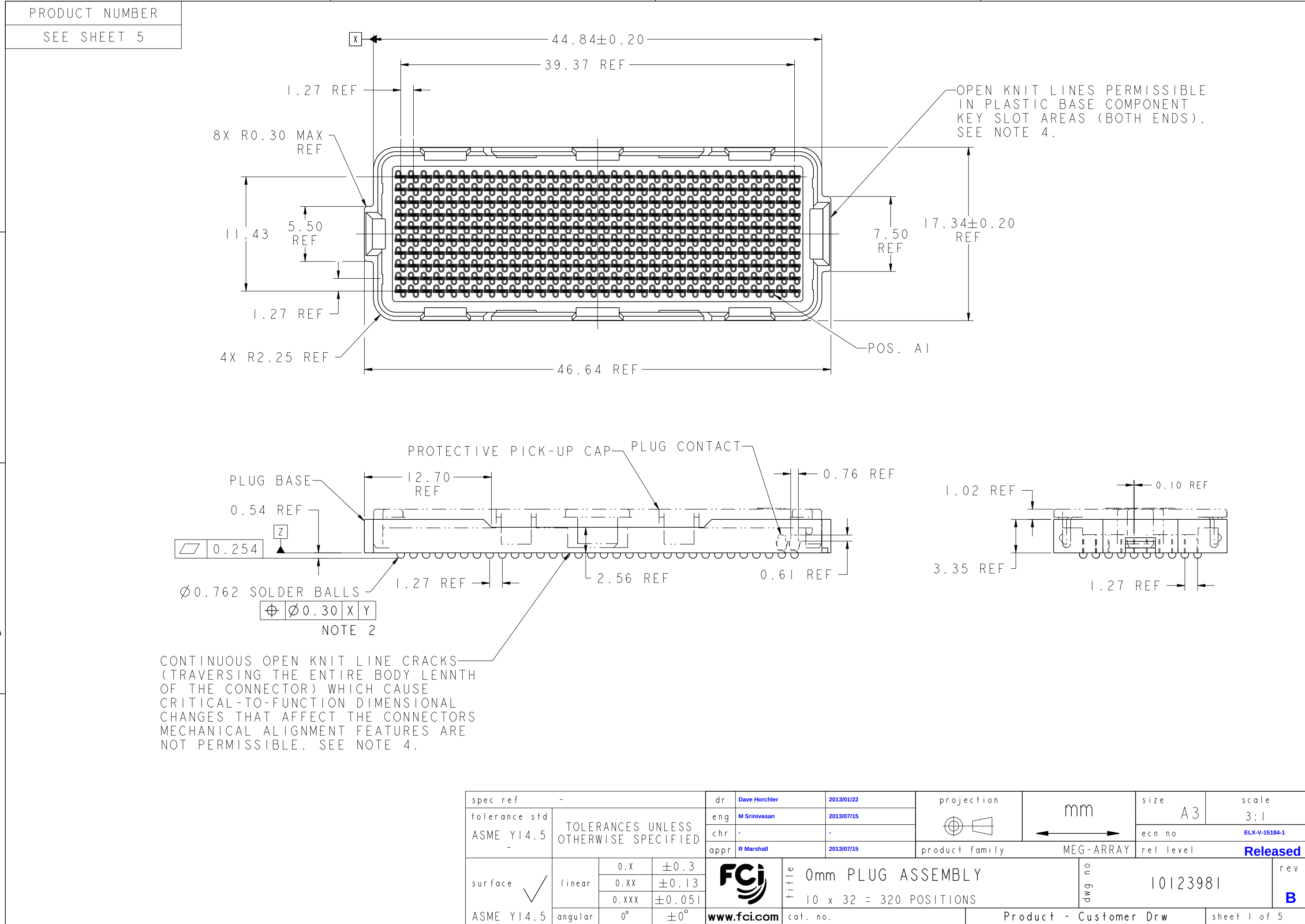
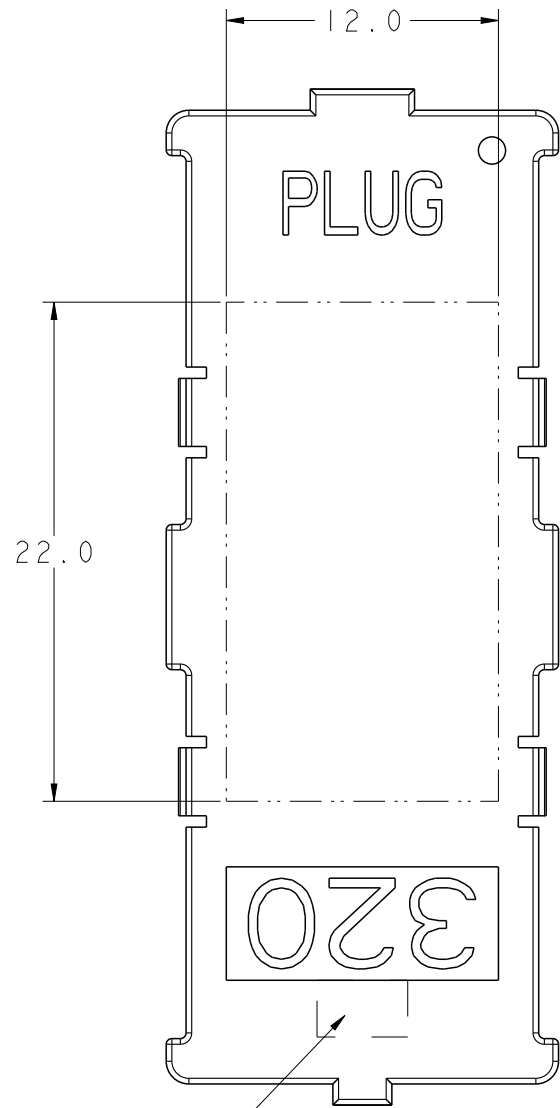




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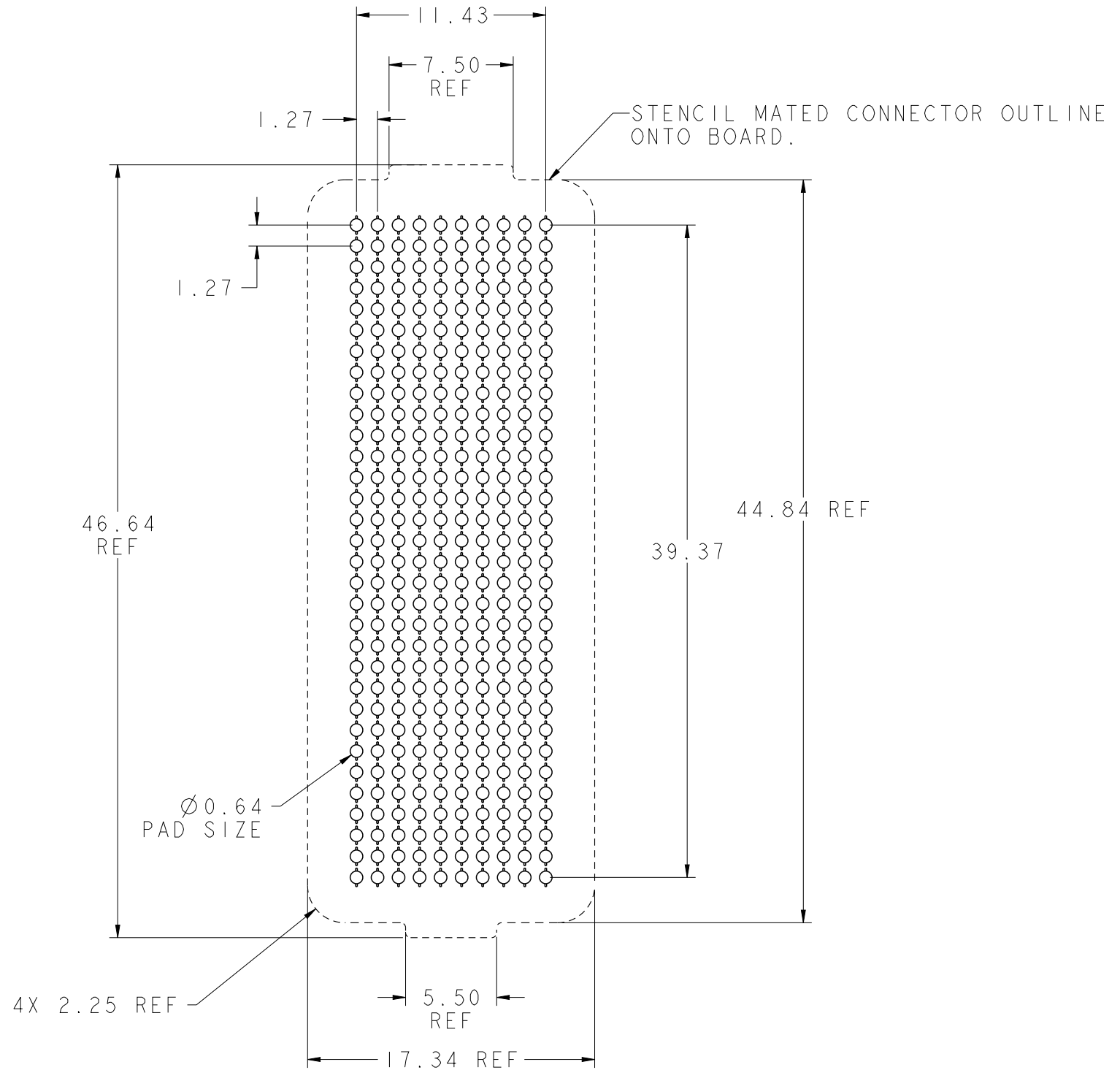


PRODUCT NUMBER  
SEE SHEET 5



NOTE 6

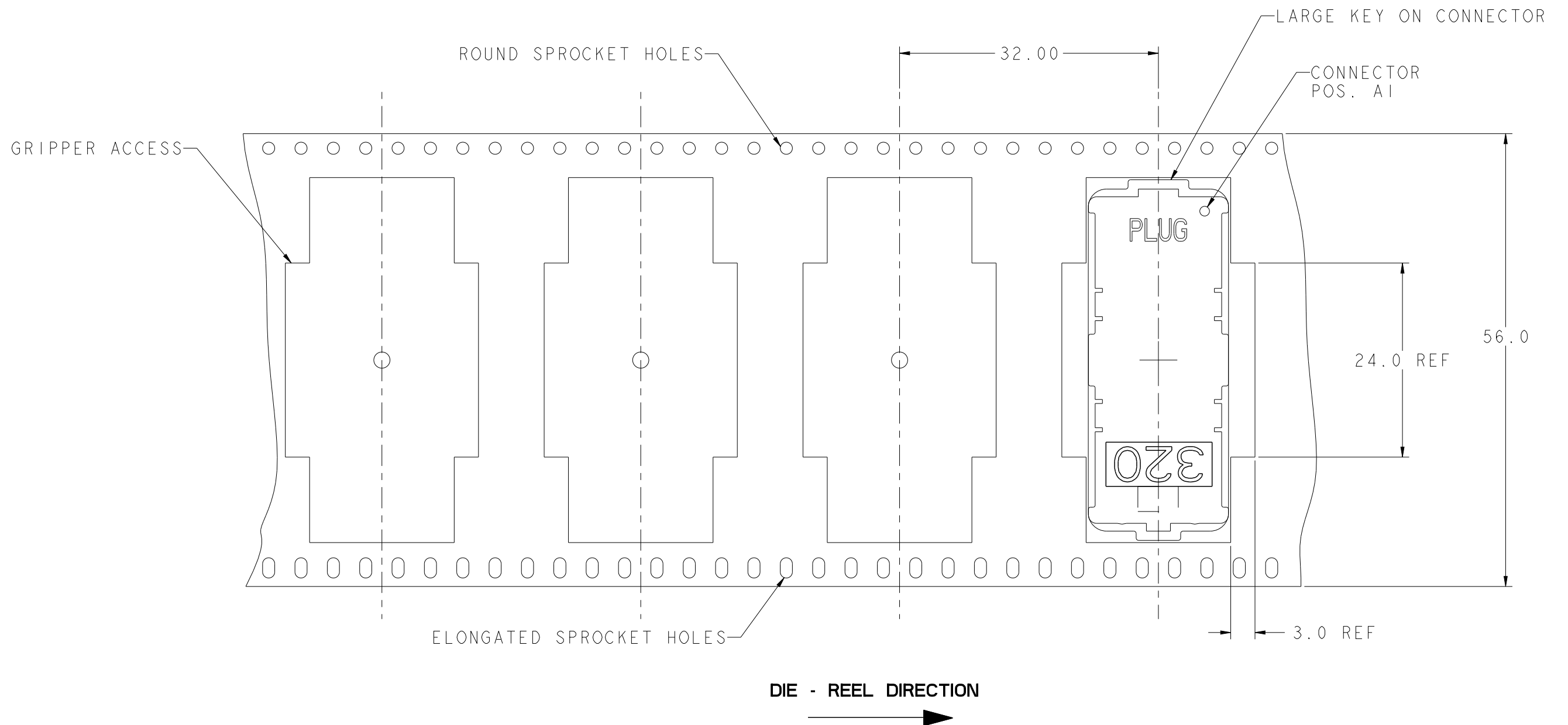
FLAT AREA FOR  
PICK-UP CAP



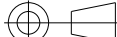
BOARD PATTERN

|               |  |                                                                                       |  |        |  |               |  |            |  |                                                                                       |  |                                                                                       |  |                   |  |               |  |          |  |     |  |   |  |
|---------------|--|---------------------------------------------------------------------------------------|--|--------|--|---------------|--|------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|-------------------|--|---------------|--|----------|--|-----|--|---|--|
| spec ref      |  | -                                                                                     |  | dr     |  | Dave Horchler |  | 2013/01/22 |  | projection                                                                            |  |  |  | size              |  | A3            |  | scale    |  | 3:1 |  |   |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED                                                 |  | eng    |  | M Srinivasan  |  | 2013/07/15 |  |  |  |  |  | ecm no            |  | ELX-V-15184-1 |  |          |  |     |  |   |  |
| ASME Y14.5    |  |                                                                                       |  | chr    |  | -             |  | -          |  |                                                                                       |  |                                                                                       |  | rel level         |  | Released      |  |          |  |     |  |   |  |
| -             |  |                                                                                       |  | appr   |  | R Marshall    |  | 2013/07/15 |  |                                                                                       |  |                                                                                       |  | product family    |  | MEG-ARRAY     |  |          |  |     |  |   |  |
| surface       |  |  |  | linear |  | 0.X           |  | ±0.3       |  |  |  | title                                                                                 |  | 0mm PLUG ASSEMBLY |  | dwg no        |  | 10123981 |  | rev |  | B |  |
| ASME Y14.5    |  |                                                                                       |  | 0.XX   |  | ±0.13         |  |            |  |                                                                                       |  |                                                                                       |  |                   |  |               |  |          |  |     |  |   |  |
| 0.XXX         |  |                                                                                       |  | ±0.051 |  |               |  |            |  |                                                                                       |  |                                                                                       |  |                   |  |               |  |          |  |     |  |   |  |
| angular       |  | 0°                                                                                    |  | ±0°    |  | www.fci.com   |  | cat. no.   |  | Product - Customer Drw                                                                |  | sheet 2 of 5                                                                          |  |                   |  |               |  |          |  |     |  |   |  |

PRODUCT NUMBER  
SEE SHEET 5



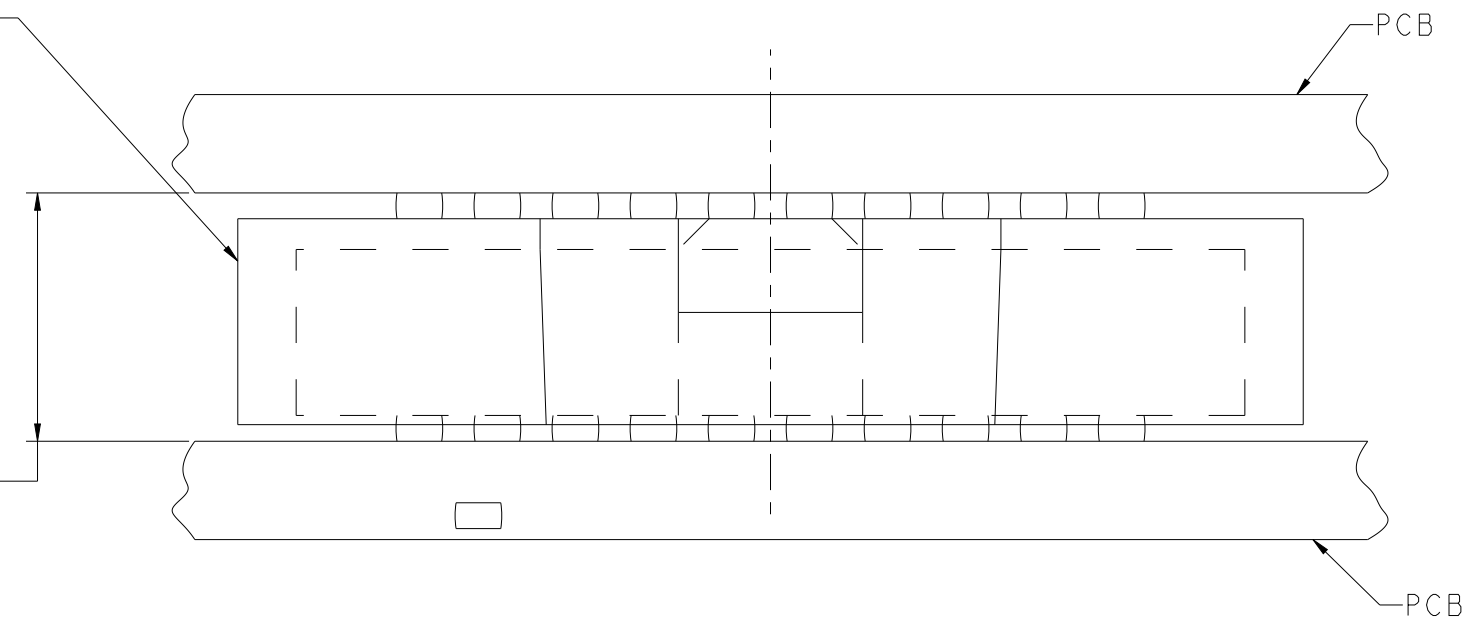
TAPE & REEL PACKAGING  
PER EIA 481 - 3  
SCALE NONE

|                                                                                               |                                       |       |        |                                                                                       |                                                    |            |                                                                                                     |                                                                                             |           |               |              |     |     |   |
|-----------------------------------------------------------------------------------------------|---------------------------------------|-------|--------|---------------------------------------------------------------------------------------|----------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|---------------|--------------|-----|-----|---|
| spec ref -                                                                                    |                                       |       |        | dr                                                                                    | Dave Horchler                                      | 2013/01/22 | projection<br> | mm<br> | size      | A3            | scale        | 3:1 |     |   |
| tolerance std                                                                                 | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |        | eng                                                                                   | M Srinivasan                                       | 2013/07/15 |                                                                                                     |                                                                                             | ecn no    | ELX-V-15184-1 |              |     |     |   |
| ASME Y14.5                                                                                    |                                       |       |        | chr                                                                                   | -                                                  | -          |                                                                                                     |                                                                                             | rel level | Released      |              |     |     |   |
| -                                                                                             |                                       |       |        | appr                                                                                  | R Marshall                                         | 2013/07/15 | product family                                                                                      |                                                                                             | MEG-ARRAY |               |              |     |     |   |
| surface  | linear                                | 0.X   | ±0.3   |  | title 0mm PLUG ASSEMBLY<br>10 x 32 = 320 POSITIONS |            |                                                                                                     |                                                                                             |           | dwg no        | 10123981     |     | rev | B |
|                                                                                               |                                       | 0.XX  | ±0.13  |                                                                                       |                                                    |            |                                                                                                     |                                                                                             |           |               |              |     |     |   |
|                                                                                               |                                       | 0.XXX | ±0.051 |                                                                                       |                                                    |            |                                                                                                     |                                                                                             |           |               |              |     |     |   |
| ASME Y14.5                                                                                    | angular                               | 0°    | ±0°    | www.fci.com                                                                           | cat. no.                                           |            |                                                                                                     | Product - Customer Drw                                                                      |           |               | sheet 3 of 5 |     |     |   |

PRODUCT NUMBER  
SEE SHEET 5

PLUG ASSY  
P/N 10123981-XXX

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



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

## END VIEW - MATED CONNECTORS

SCALE NONE

|                                                                                               |  |                |  |                  |  |                                                                                       |  |                                                                                       |  |                                                                                       |  |                      |  |           |  |
|-----------------------------------------------------------------------------------------------|--|----------------|--|------------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|----------------------|--|-----------|--|
| spec ref -                                                                                    |  |                |  | dr Dave Horchler |  | 2013/01/22                                                                            |  | projection                                                                            |  |  |  | size A3              |  | scale 3:1 |  |
| tolerance std ASME Y14.5 -                                                                    |  |                |  | eng M Srinivasan |  | 2013/07/15                                                                            |  |  |  |  |  | ecn no ELX-V-15184-1 |  |           |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED                                                         |  |                |  | chr -            |  | -                                                                                     |  | product family MEG-ARRAY                                                              |  | rel level Released                                                                    |  |                      |  |           |  |
|                                                                                               |  |                |  | appr R Marshall  |  | 2013/07/15                                                                            |  |                                                                                       |  |                                                                                       |  |                      |  |           |  |
| surface  |  | linear         |  | 0.X ±0.3         |  |  |  | title 0mm PLUG ASSEMBLY<br>10 x 32 = 320 POSITIONS                                    |  |                                                                                       |  | dwg no 10123981      |  | rev B     |  |
|                                                                                               |  | 0.XX ±0.13     |  |                  |  |                                                                                       |  |                                                                                       |  |                                                                                       |  |                      |  |           |  |
|                                                                                               |  | 0.XXX ±0.051   |  |                  |  |                                                                                       |  |                                                                                       |  |                                                                                       |  |                      |  |           |  |
| ASME Y14.5                                                                                    |  | angular 0° ±0° |  | www.fci.com      |  | cat. no.                                                                              |  | Product - Customer Drw                                                                |  |                                                                                       |  | sheet 4 of 5         |  |           |  |



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A

B

C

D

| PRODUCT NUMBER | PICK-UP CAP<br>(NATURAL OR<br>BLACK IN COLOR) | CONTACT PLATING<br>AND THICKNESS | SOLDER BALL | NOTES            |
|----------------|-----------------------------------------------|----------------------------------|-------------|------------------|
| 10123981-002   | YES                                           | 15u" (.38um) Au                  | SnPb        |                  |
| 10123981-002LF | YES                                           | 15u" (.38um) Au                  | LEAD FREE   | 4 AND 5          |
| 10123981-092   | YES                                           | 15u" (.38um) GXT                 | SnPb        |                  |
| 10123981-092LF | YES                                           | 15u" (.38um) GXT                 | LEAD FREE   | 4 AND 5          |
| 10123981-102   | YES                                           | 30u" (.76um) Au                  | SnPb        |                  |
| 10123981-102LF | YES                                           | 30u" (.76um) Au                  | LEAD FREE   | 4 AND 5          |
| 10123981-192   | YES                                           | 30u" (.76um) GXT                 | SnPb        |                  |
| 10123981-192LF | YES                                           | 30u" (.76um) GXT                 | LEAD FREE   | 4 AND 5          |
| 10123981-202   | YES                                           | 50u" (1.27um) Au SPECIAL         | SnPb        | 8                |
| 10123981-202LF | YES                                           | 50u" (1.27um) Au SPECIAL         | LEAD FREE   | 4, 5 AND 8       |
| 10123981-292   | YES                                           | 50u" (1.27um) GXT SPECIAL        | SnPb        | 8                |
| 10123981-292LF | YES                                           | 50u" (1.27um) GXT SPECIAL        | LEAD FREE   | 4, 5 AND 8       |
| 10123981-A02   | YES                                           | 30u" (.76um) Au SPECIAL          | SnPb        | CUSTOMER SPECIAL |
| 10123981-A02LF | YES                                           | 30u" (.76um) Au SPECIAL          | LEAD FREE   | CUSTOMER SPECIAL |

NOTES:

- MATERIAL:  
HOUSING: LCP-NATURAL  
CONTACT: COPPER ALLOY  
  
PLATING:  
CONTACT: 15μ" (0.38μm) GXT OVER Ni UNDERPLATE  
SOLDER BALL: LEAD FREE  
95.5Sn/4Ag/0.5Cu
- SOLDER BALLS WILL NOT HAVE PERFECT SPHERICAL SHAPES DUE TO REFLOW ATTACHMENT.
- MATED HEIGHT EFFECTED BY CUSTOMER'S PCB PAD SIZE, PLATING, SOLDER REFLOW PROFILE, & SOLDER PASTE.
- 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.
- 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.
- CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE AREA SHOWN.
- SEE PRODUCT SPEC GS-12-100 PER TEST AND PERFORMANCE INFORMATION.
- PLATING FOR INDICATED -2XX SERIES NUMBERS MEET THE REQUIREMENTS OF GR-1217-CORE, CENTRAL OFFICE ENVIROMENT, (25 YEARS LIFE EXPECTANCY). THIS SERIES HAS SPECIAL CONTACT GEOMETRY.

|               |  |                                       |  |        |  |               |  |             |  |            |  |                        |  |                   |  |               |  |           |  |          |  |                |  |           |  |        |  |
|---------------|--|---------------------------------------|--|--------|--|---------------|--|-------------|--|------------|--|------------------------|--|-------------------|--|---------------|--|-----------|--|----------|--|----------------|--|-----------|--|--------|--|
| spec ref      |  | -                                     |  | dr     |  | Dave Horchler |  | 2013/01/22  |  | projection |  | mm                     |  | size              |  | A3            |  | scale     |  | 3:1      |  |                |  |           |  |        |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  | eng    |  | M Srinivasan  |  | 2013/07/15  |  |            |  |                        |  | ecn no            |  | ELX-V-15184-1 |  | rel level |  | Released |  |                |  |           |  |        |  |
| ASME Y14.5    |  |                                       |  | chr    |  | -             |  | -           |  |            |  |                        |  |                   |  |               |  |           |  |          |  |                |  |           |  |        |  |
| -             |  |                                       |  | appr   |  | R Marshall    |  | 2013/07/15  |  |            |  |                        |  |                   |  |               |  |           |  |          |  | product family |  | MEG-ARRAY |  |        |  |
| surface       |  |                                       |  | linear |  | 0.X           |  | ±0.3        |  |            |  | title                  |  | 0mm PLUG ASSEMBLY |  | dwg no        |  | 10123981  |  | rev      |  | B              |  |           |  |        |  |
| ASME Y14.5    |  |                                       |  |        |  |               |  |             |  |            |  |                        |  |                   |  |               |  |           |  |          |  |                |  | 0.XX      |  | ±0.13  |  |
|               |  |                                       |  |        |  |               |  |             |  |            |  |                        |  |                   |  |               |  |           |  |          |  |                |  | 0.XXX     |  | ±0.051 |  |
| ASME Y14.5    |  | angular                               |  | 0°     |  | ±0°           |  | www.fci.com |  | cat. no.   |  | Product - Customer Drw |  | sheet 5 of 5      |  |               |  |           |  |          |  |                |  |           |  |        |  |