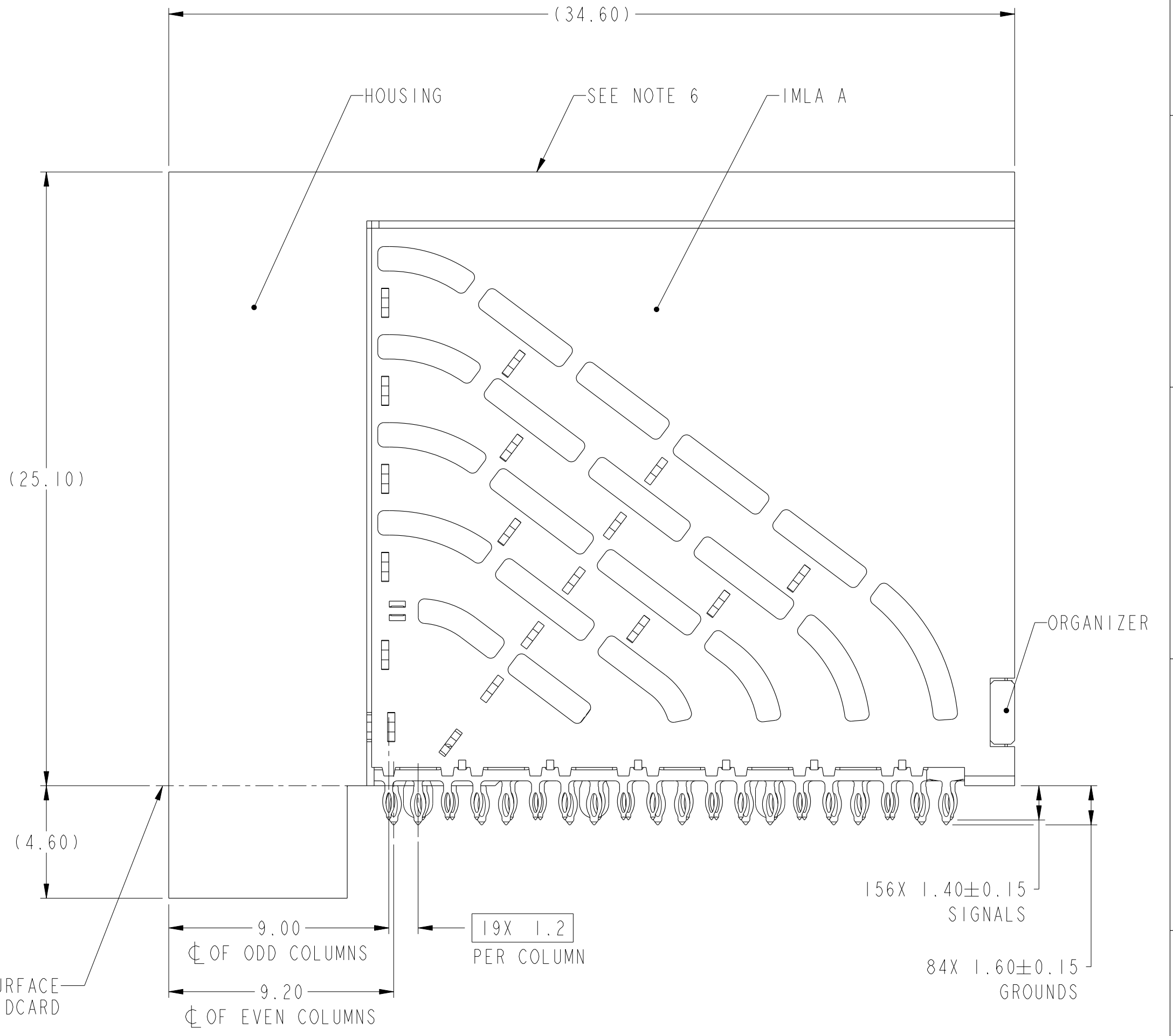
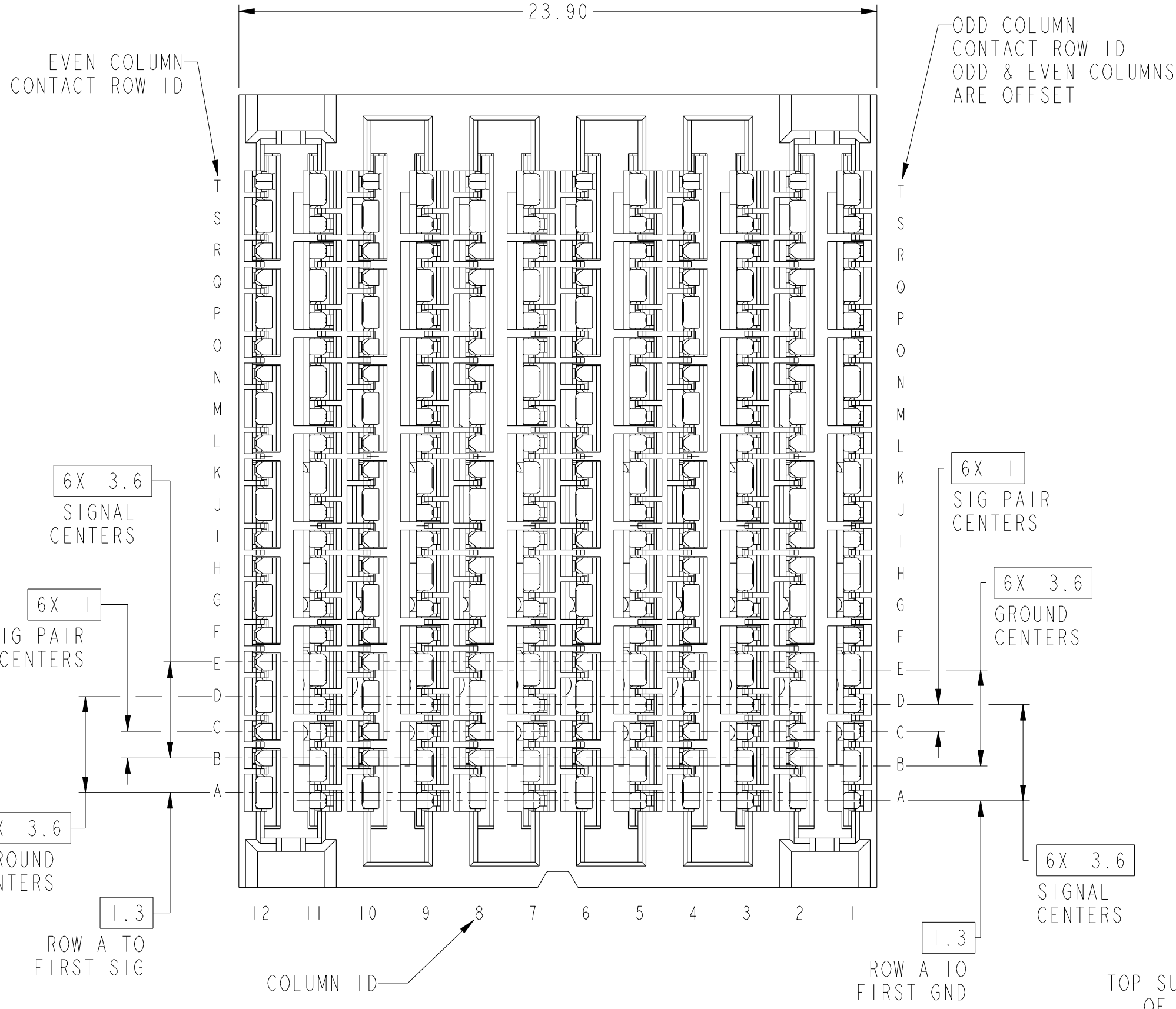


PRODUCT NUMBER  
SEE TABLE



10123159-101LF  
STANDARD MATE RECEPTACLE  
SCALE 6:1

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FCI

|               |  |        |            |  |            |                    |        |                        |         |               |         |    |    |      |  |  |                |        |           |         |     |   |
|---------------|--|--------|------------|--|------------|--------------------|--------|------------------------|---------|---------------|---------|----|----|------|--|--|----------------|--------|-----------|---------|-----|---|
| spec ref      | SEE NOTES  | dr     | SHU CHEN   | 2013-10-17   | projection | MM                 | size   | A2                     | scale   | 6:1           |         |    |    |      |  |  |                |        |           |         |     |   |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED  | eng    | HEAVEN CEN | 2013-10-17   |            |                    | ecn no | rel level              | In Work | rev           |         |    |    |      |  |  |                |        |           |         |     |   |
| ASME Y14.5M   |  | chr    | D JOHnescu | 2014-03-12   |            |                    |        |                        |         |               |         |    |    |      |  |  |                |        |           |         |     |   |
| surface       | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table> | linear | 0.X        | ±.3  |            | 0.XX               | ±.10   |                        | 0.XXX   | ±.050         | angular | 0° | ±° | appr |  |  | product family | ExdMAX | rel level | In Work | rev | 7 |
| linear        | 0.X  | ±.3    |            |  |            |                    |        |                        |         |               |         |    |    |      |  |  |                |        |           |         |     |   |
|               | 0.XX   | ±.10   |            |  |            |                    |        |                        |         |               |         |    |    |      |  |  |                |        |           |         |     |   |
|               | 0.XXX  | ±.050  |            |  |            |                    |        |                        |         |               |         |    |    |      |  |  |                |        |           |         |     |   |
| angular       | 0°   | ±°     |            |  |            |                    |        |                        |         |               |         |    |    |      |  |  |                |        |           |         |     |   |
|               |  |        |            | title<br>ExdMAX R.A. RECEPTACLE ASSY<br>6 PR, 240 POS, 12 IMLA, 24mm |            | dwg no<br>10123159 |        | Product - Customer Drw |         | sheet 1 of 10 |         |    |    |      |  |  |                |        |           |         |     |   |

1 2 3 4 5 6 7 8

A

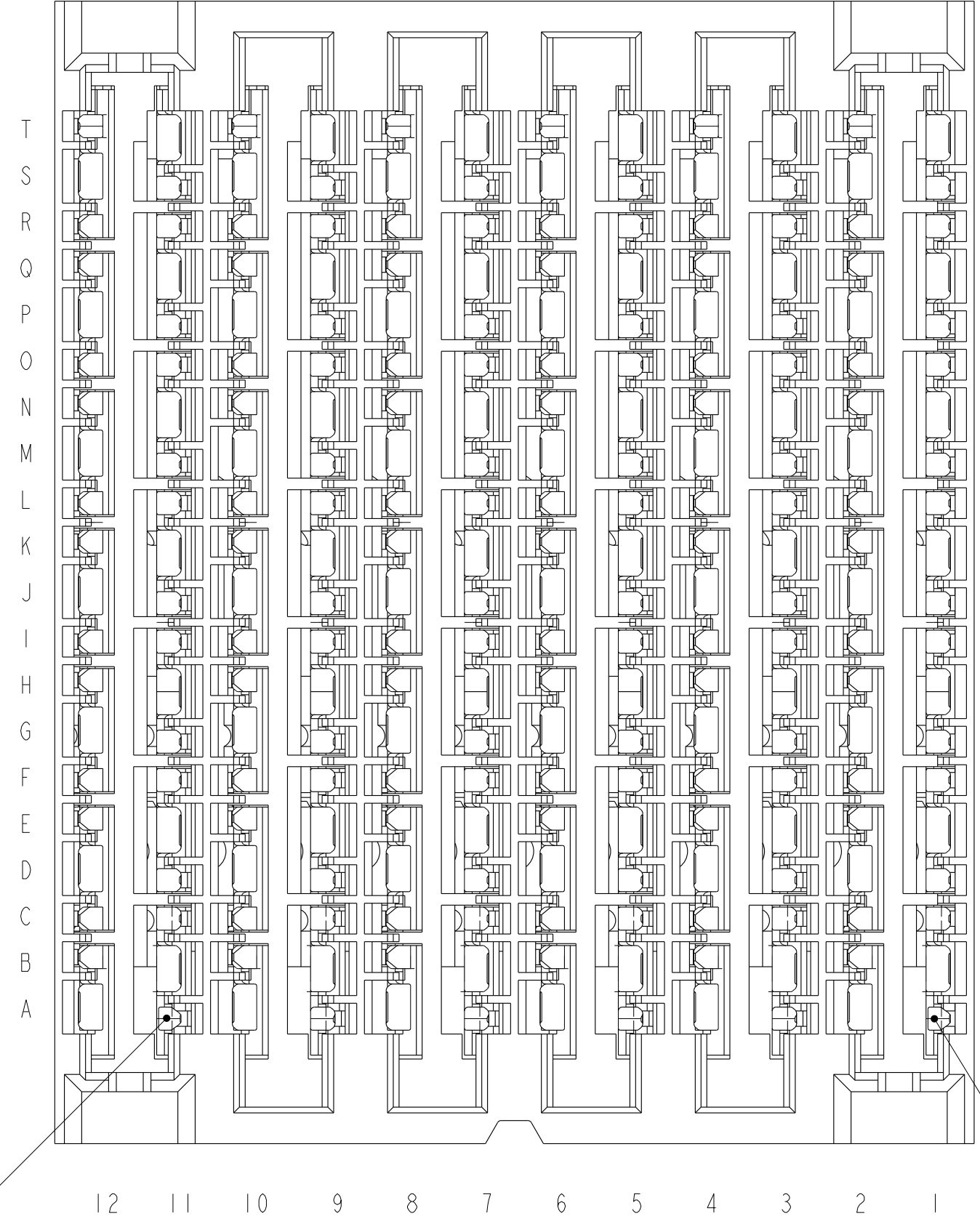
B

C

D

E

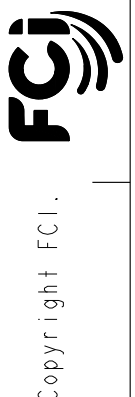
F



ADVANCED MATE POSITION A11  
SEE NOTE 13

ADVANCED MATE POSITION A1  
SEE NOTE 13

**10123159-201LF**  
**ADVANCED MATE RECEPTACLE**  
**ADVANCED MATE POSITIONS ARE A1 AND A11 ONLY**  
**FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1**  
**SCALE 7:1**



|               |                                       |         |            |            |                                   |  |                    |                      |          |     |
|---------------|---------------------------------------|---------|------------|------------|-----------------------------------|--|--------------------|----------------------|----------|-----|
| spec ref      | SEE NOTES                             | dr      | SHU CHEN   | 2013-10-17 | projection                        | MM   | size               | A2                   | scale    | 7:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng     | HEAVEN CEN | 2013-10-17 |                                   |  | ecn no             | rel level            | In Work  | rev |
| ASME Y14.5M   |                                       | chr     | D JOHNESCU | 2014-03-12 |                                   |  |                    |                      |          |     |
| surface       |                                       | linear  | 0.X        | ±.3        |                                   | title<br>ExdMAX R.A. RECEPTACLE ASSY<br>6 PR, 240 POS, 12 IMLA, 24mm | dwg no<br>10123159 | rel level<br>In Work | rev<br>7 |     |
|               |                                       |         | 0.XX       | ±.10       |                                   |  |                    |                      |          |     |
|               |                                       |         | 0.XXX      | ±.050      |                                   |  |                    |                      |          |     |
|               |                                       | angular | 0°         | ±°         | www.fci.com<br>cat. no. SEE TABLE | Product - Customer Drw   | sheet 2 of 10      |                      |          |     |

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

B

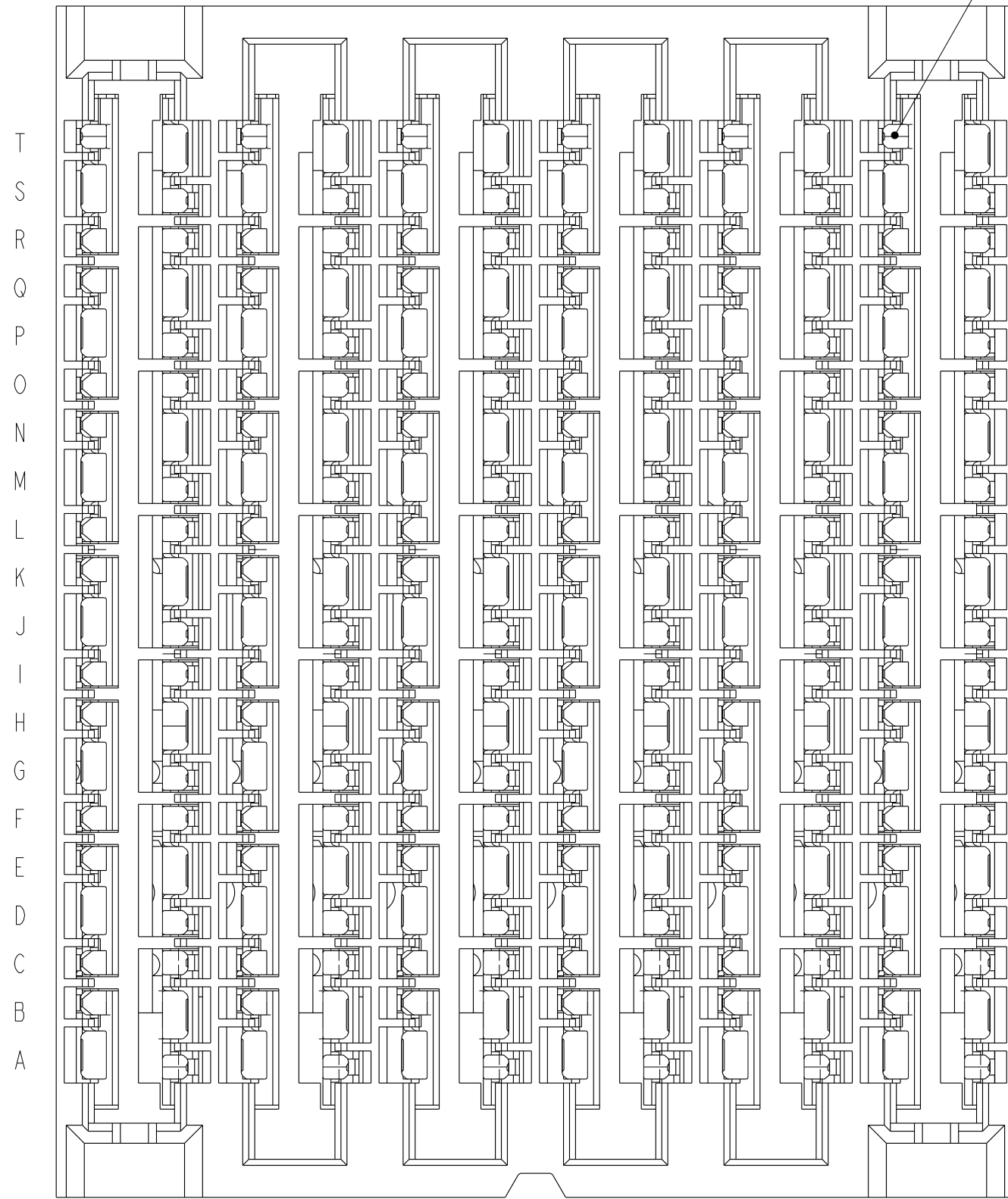
C

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F

SHORT DETECT  
POSITION T2  
SEE NOTE 14



12 11 10 9 8 7 6 5 4 3 2 1

**10123159-301LF**  
**SHORT DETECT RECEPTACLE**  
**SHORT DETECT POSITION IS T2**  
**FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1**  
**SCALE 7:1**



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|               |                                       |         |            |            |             |  |                    |               |                        |     |
|---------------|---------------------------------------|---------|------------|------------|-------------|--|--------------------|---------------|------------------------|-----|
| spec ref      | SEE NOTES                             | dr      | SHU CHEN   | 2013-10-17 | projection  | MM   | size               | A2            | scale                  | 7:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng     | HEAVEN CEN | 2013-10-17 |             |  | ecn no             | rel level     | In Work                | rev |
| ASME Y14.5M   |                                       | chr     | D JOHNSCU  | 2014-03-12 |             |  |                    |               |                        |     |
| surface       |                                       | linear  | 0.X        | ±.3        |             | title<br>ExdMAX R.A. RECEPTACLE ASSY<br>6 PR, 240 POS, 12 IMLA, 24mm | dwg no<br>10123159 | sheet 3 of 10 | Product - Customer Drw | 7   |
|               |                                       |         | 0.XX       | ±.10       |             |  |                    |               |                        |     |
|               |                                       |         | 0.XXX      | ±.050      |             |  |                    |               |                        |     |
|               |                                       | angular | 0°         | ±°         | www.fci.com | cat. no.   | SEE TABLE          |               |                        |     |

2

3

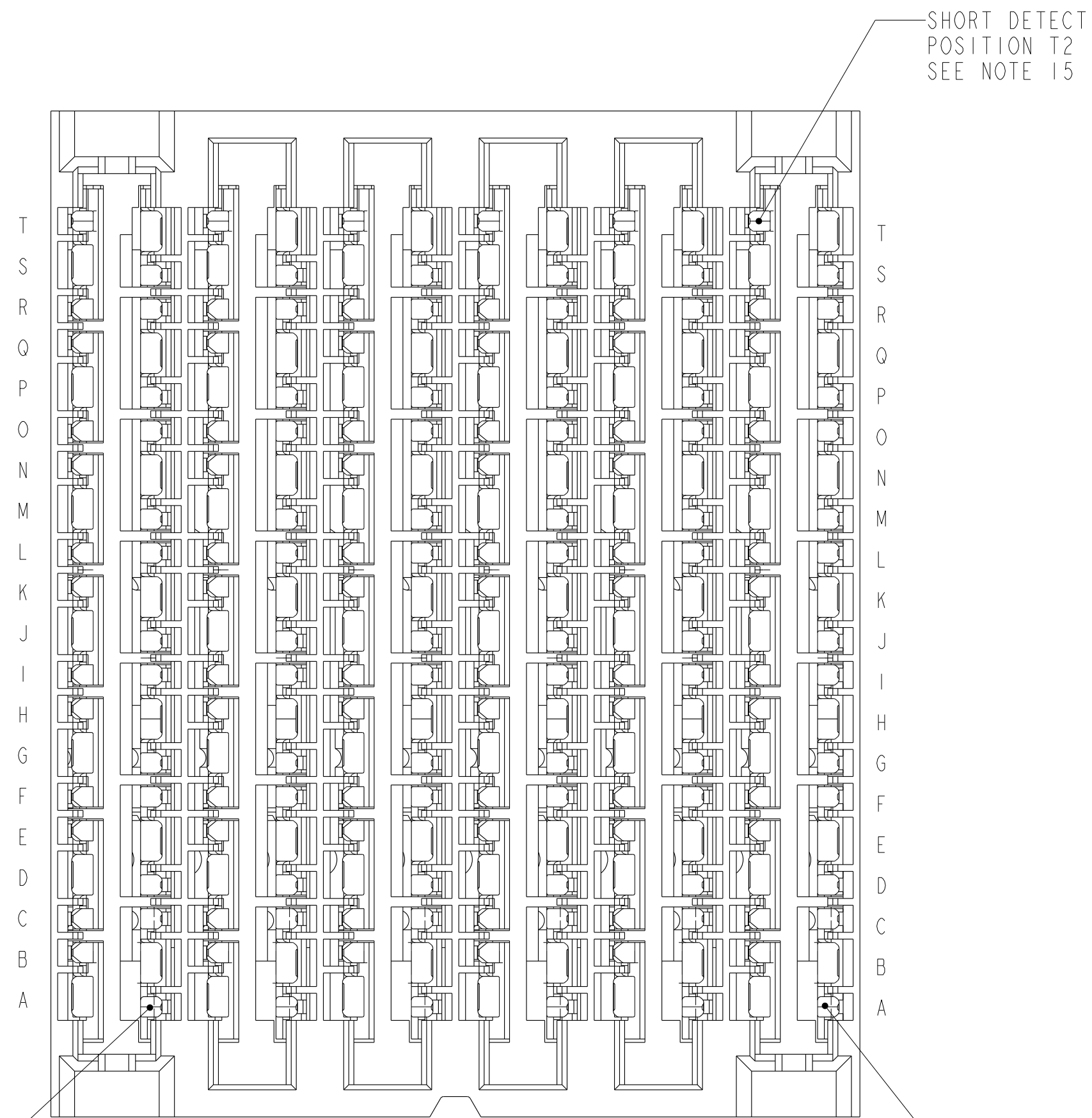
4

5

6

7

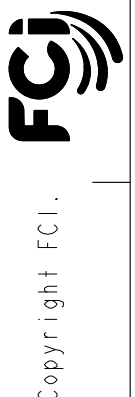
8



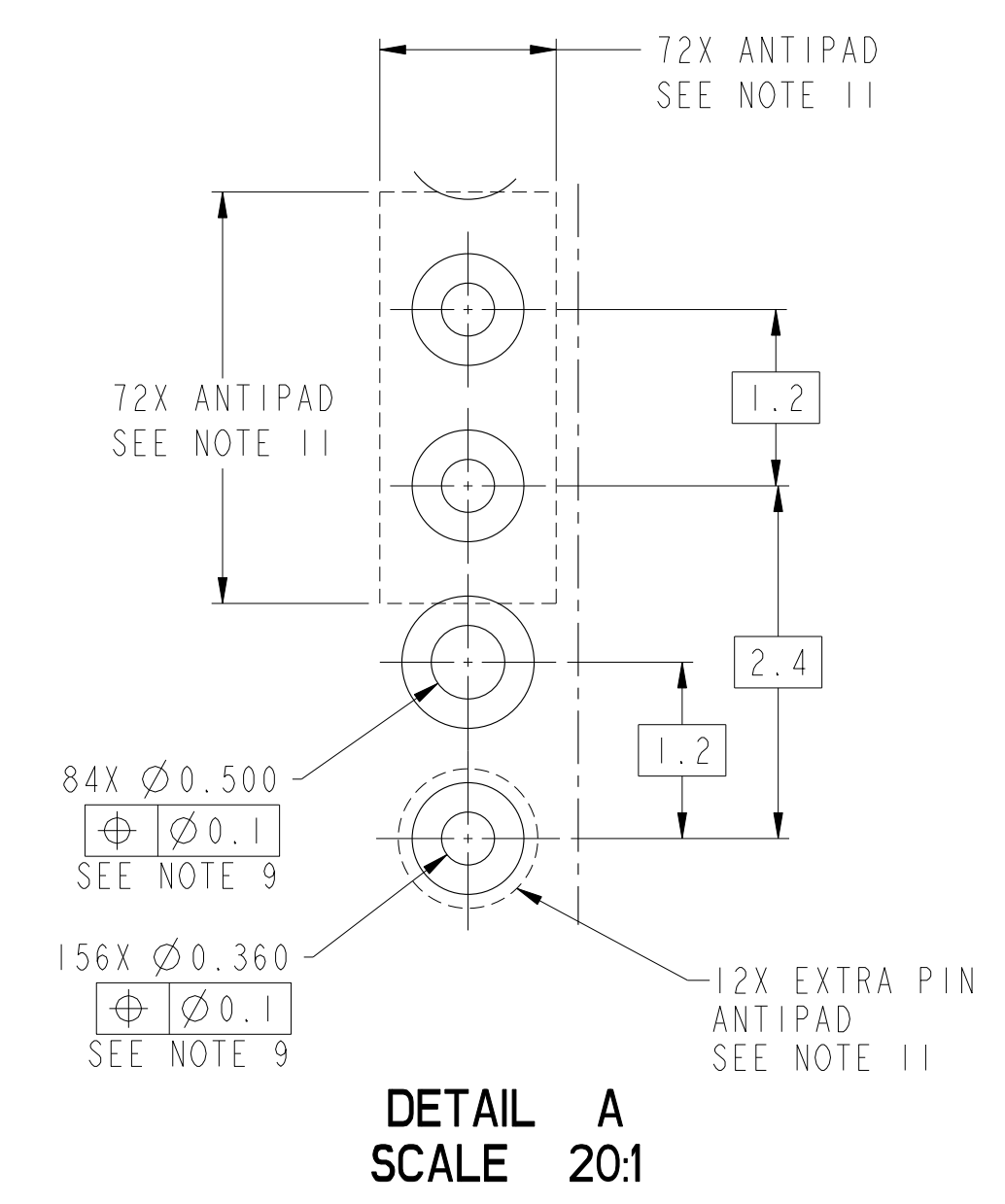
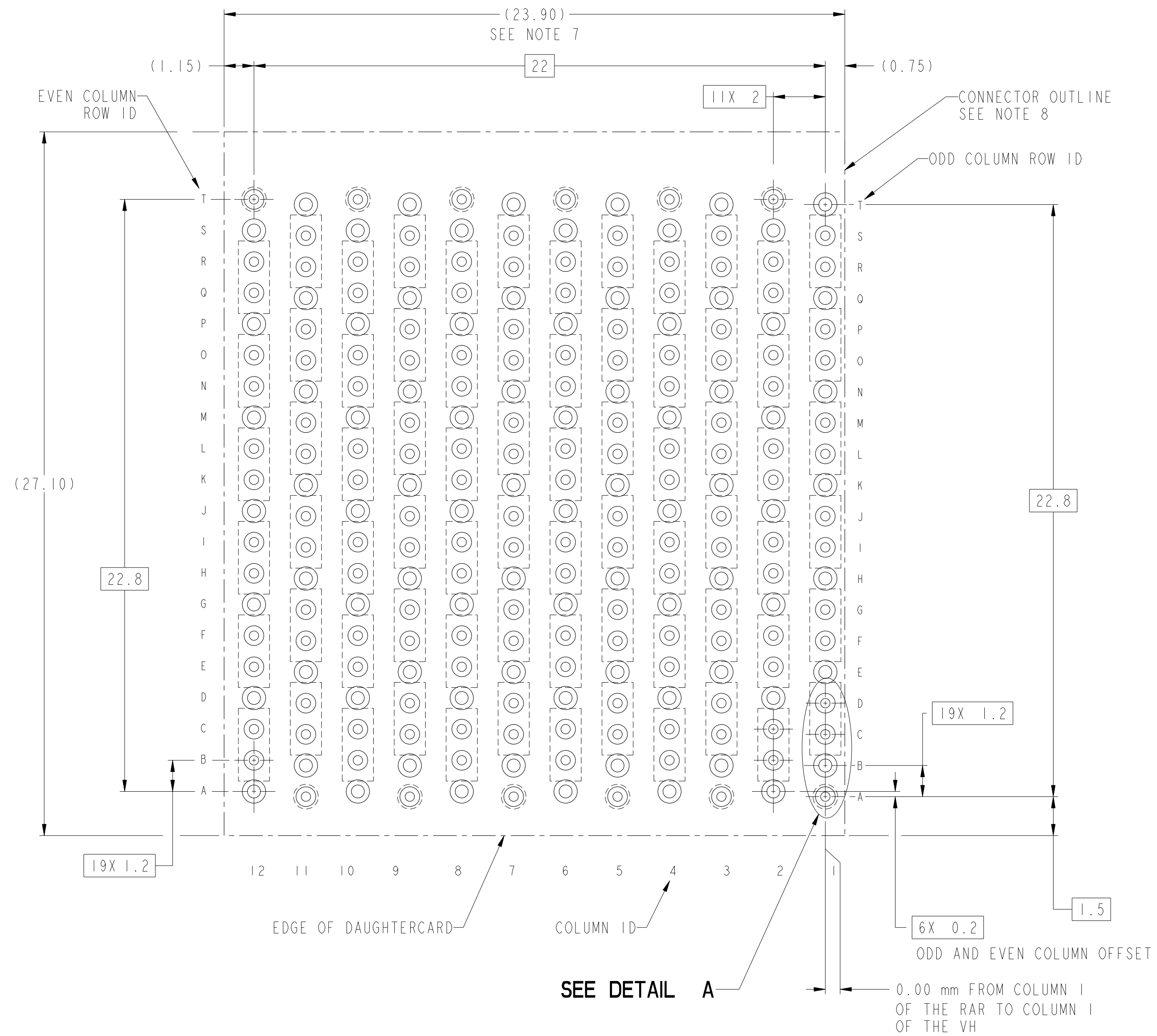
ADVANCED MATE  
POSITION A11  
SEE NOTE 15

ADVANCED MATE  
POSITION A1  
SEE NOTE 15

**10123159-401LF**  
**ADVANCED MATE/SHORT DETECT RECEPTACLE**  
**ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY**  
**SHORT DETECT POSITION IS T2**  
**FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1**  
**SCALE 7:1**

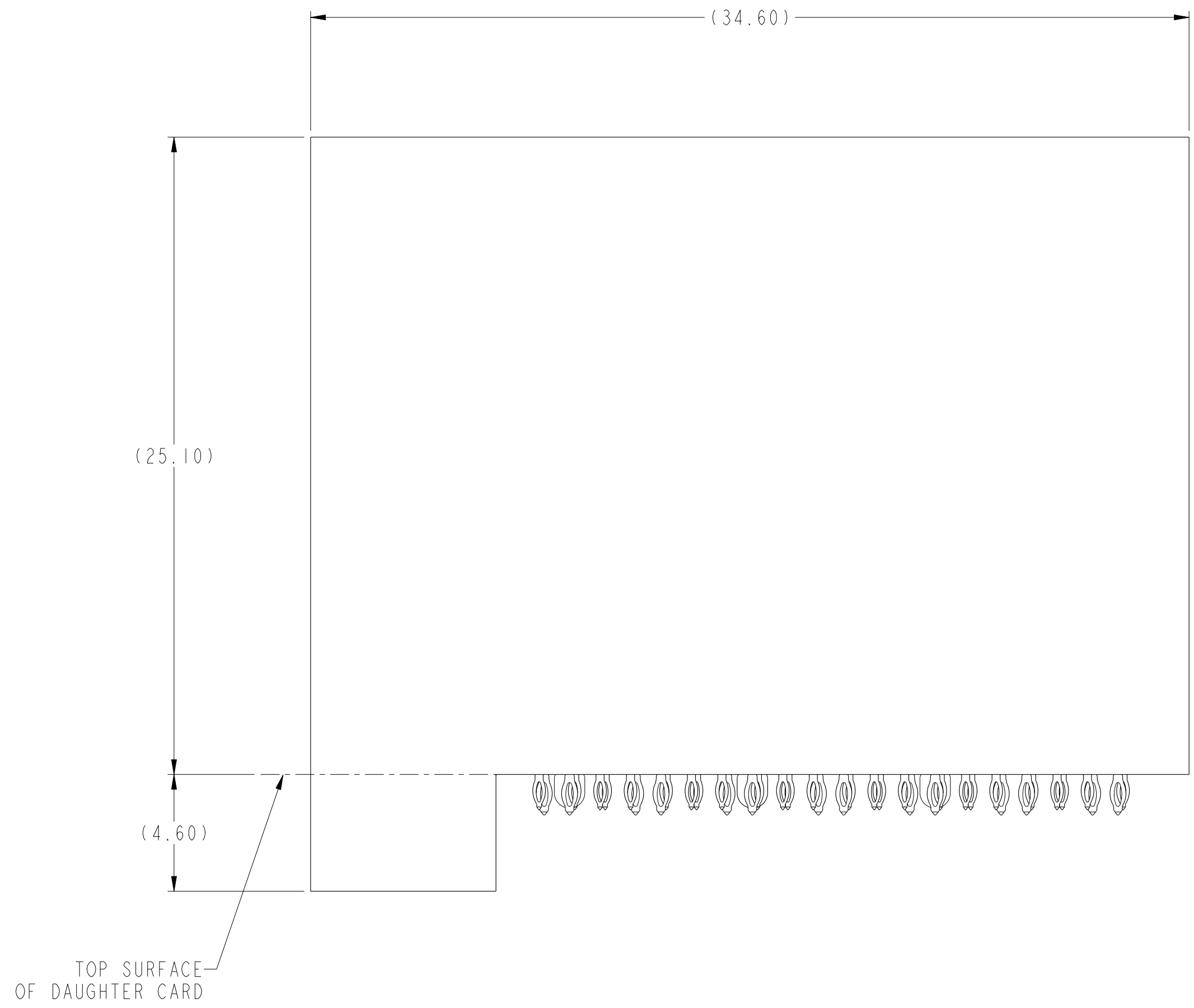
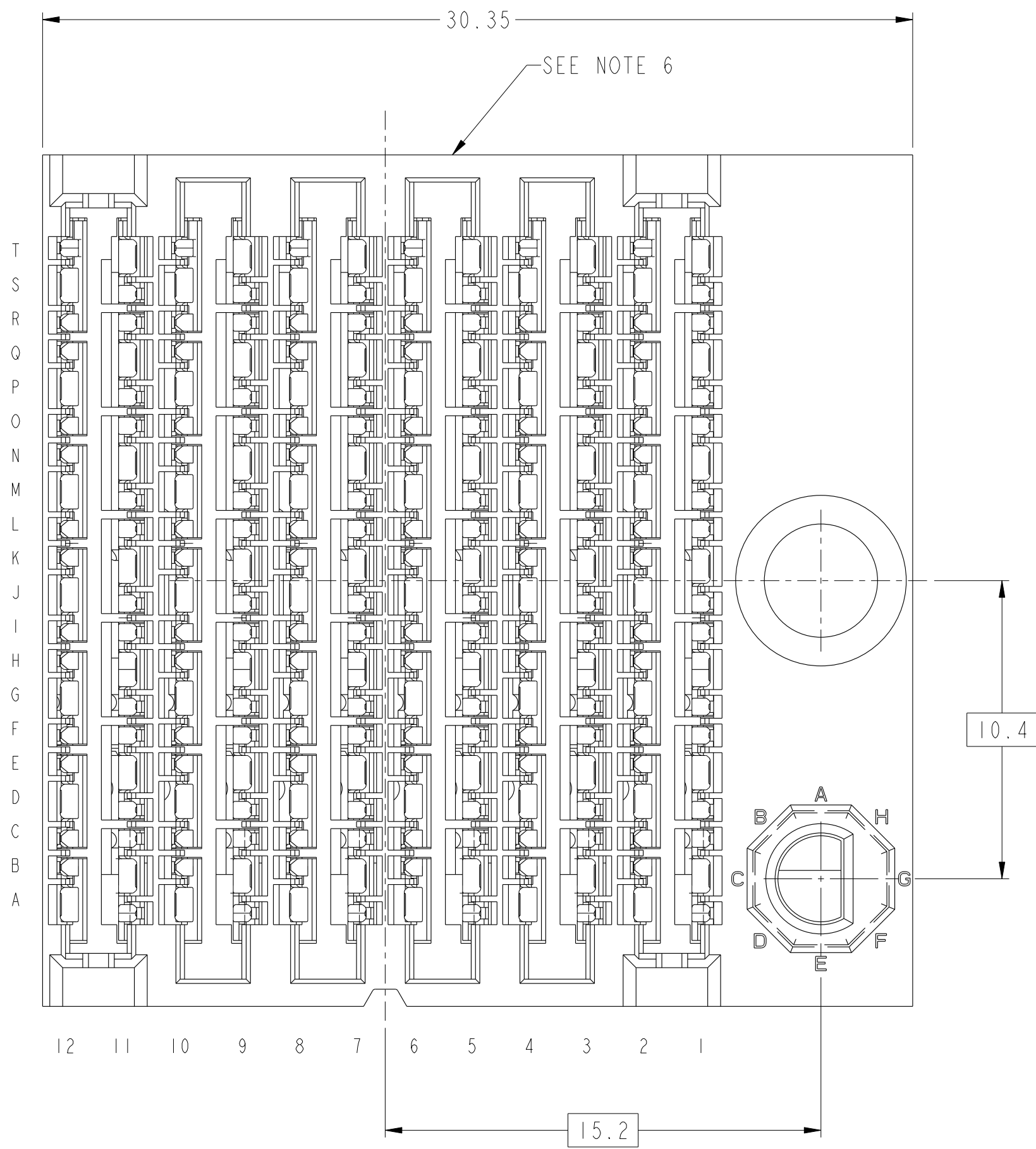


|               |   |             |            |            |                        |               |        |           |         |       |       |  |         |    |    |  |  |                    |          |
|---------------|---|-------------|------------|------------|------------------------|---------------|--------|-----------|---------|-------|-------|--|---------|----|----|--|--|--------------------|----------|
| spec ref      | SEE NOTES   | dr          | SHU CHEN   | 2013-10-17 | projection             | MM            | size   | A2        | scale   | 7:1   |       |  |         |    |    |  |  |                    |          |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED   | eng         | HEAVEN CEN | 2013-10-17 |                        |               | ecn no | rel level | In Work | rev   |       |  |         |    |    |  |  |                    |          |
| ASME Y14.5M   |   | chr         | D JOHNSCU  | 2014-03-12 |                        |               |        |           |         |       |       |  |         |    |    |  |  |                    |          |
| surface       | <table border="1"> <tr> <td rowspan="3"> </td> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td></td> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table> |             | linear     | 0.X        | ±.3                    |               | 0.XX   | ±.10      |         | 0.XXX | ±.050 |  | angular | 0° | ±° |  | title<br>ExgMAX R.A. RECEPTACLE ASSY<br>6 PR, 240 POS, 12 IMLA, 24mm | dwg no<br>10123159 | rev<br>7 |
|               | linear  |             | 0.X        | ±.3        |                        |               |        |           |         |       |       |  |         |    |    |  |  |                    |          |
|               |   |             | 0.XX       | ±.10       |                        |               |        |           |         |       |       |  |         |    |    |  |  |                    |          |
|               |   | 0.XXX       | ±.050      |            |                        |               |        |           |         |       |       |  |         |    |    |  |  |                    |          |
|               | angular   | 0°          | ±°         |            |                        |               |        |           |         |       |       |  |         |    |    |  |  |                    |          |
|               |   | www.fci.com | cat. no.   | SEE TABLE  | Product - Customer Drw | sheet 4 of 10 |        |           |         |       |       |  |         |    |    |  |  |                    |          |



**10123159-X01  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, & 11  
SCALE 8:1**

|               |  |        |                             |            |            |          |        |           |         |       |         |    |    |             |          |   |                |   |                        |               |
|---------------|--|--------|-----------------------------|------------|------------|----------|--------|-----------|---------|-------|---------|----|----|-------------|----------|---|----------------|---|------------------------|---------------|
| spec ref      | SEE NOTES  | dr     | SHU CHEN                    | 2013-10-17 | projection | MM       | size   | A2        | scale   | 8:1   |         |    |    |             |          |   |                |   |                        |               |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED  | eng    | HEAVEN CEN                  | 2013-10-17 |            |          | ecn no | rel level | In Work | rev   |         |    |    |             |          |   |                |   |                        |               |
| ASME Y14.5M   |  | chr    | D JOHNSCU                   | 2014-03-12 |            |          |        |           |         |       |         |    |    |             |          |   |                |   |                        |               |
| surface       | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table> | linear | 0.X                         | ±.3        |            | 0.XX     | ±.10   |           | 0.XXX   | ±.050 | angular | 0° | ±° | www.fci.com | cat. no. | - | product family | - | Product - Customer Drw | sheet 5 of 10 |
| linear        | 0.X  | ±.3    |                             |            |            |          |        |           |         |       |         |    |    |             |          |   |                |   |                        |               |
|               | 0.XX   | ±.10   |                             |            |            |          |        |           |         |       |         |    |    |             |          |   |                |   |                        |               |
|               | 0.XXX  | ±.050  |                             |            |            |          |        |           |         |       |         |    |    |             |          |   |                |   |                        |               |
| angular       | 0°   | ±°     |                             |            |            |          |        |           |         |       |         |    |    |             |          |   |                |   |                        |               |
|               |  | title  | ExqMAX R.A. RECEPTACLE ASSY |            | dwg no     | 10123159 |        |           |         | 7     |         |    |    |             |          |   |                |   |                        |               |

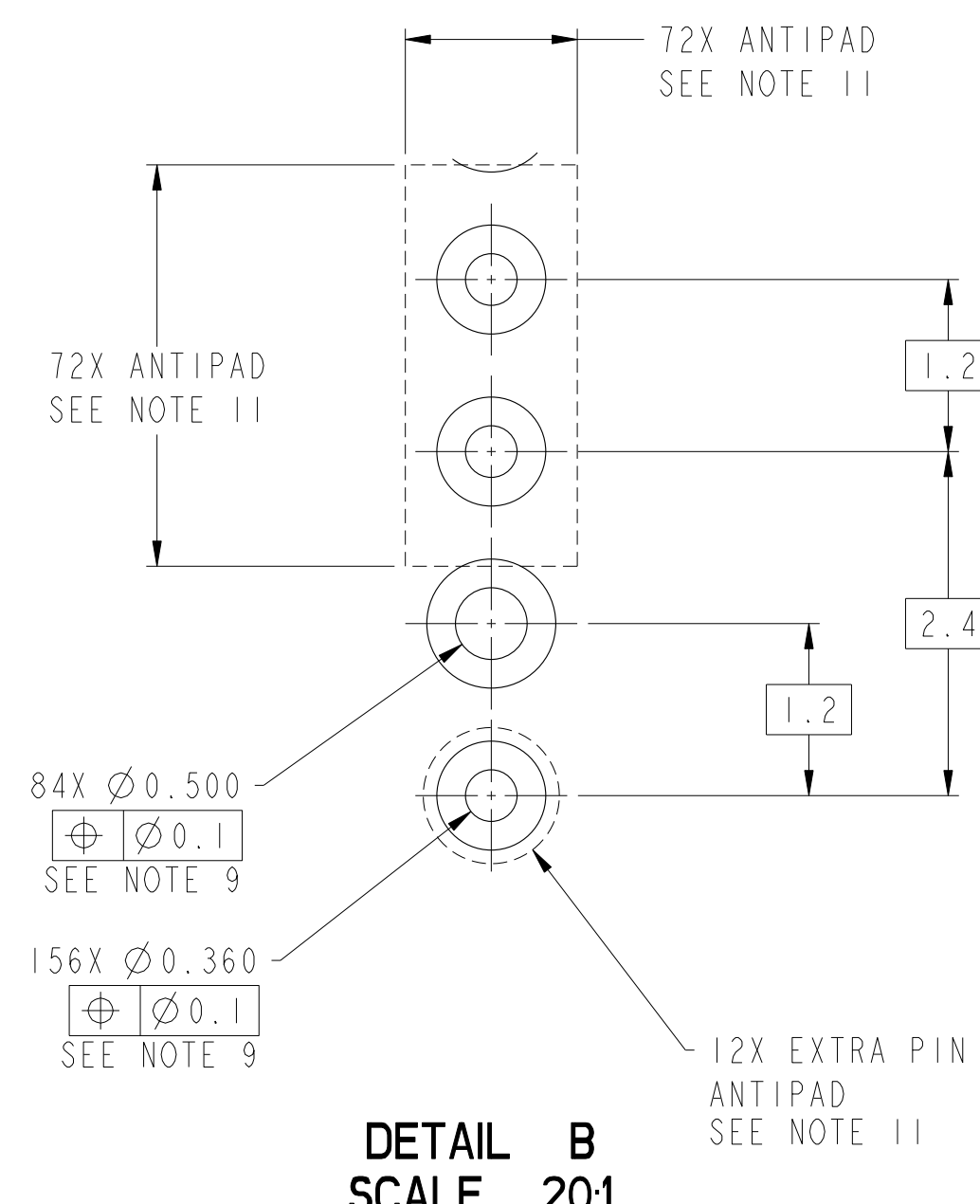
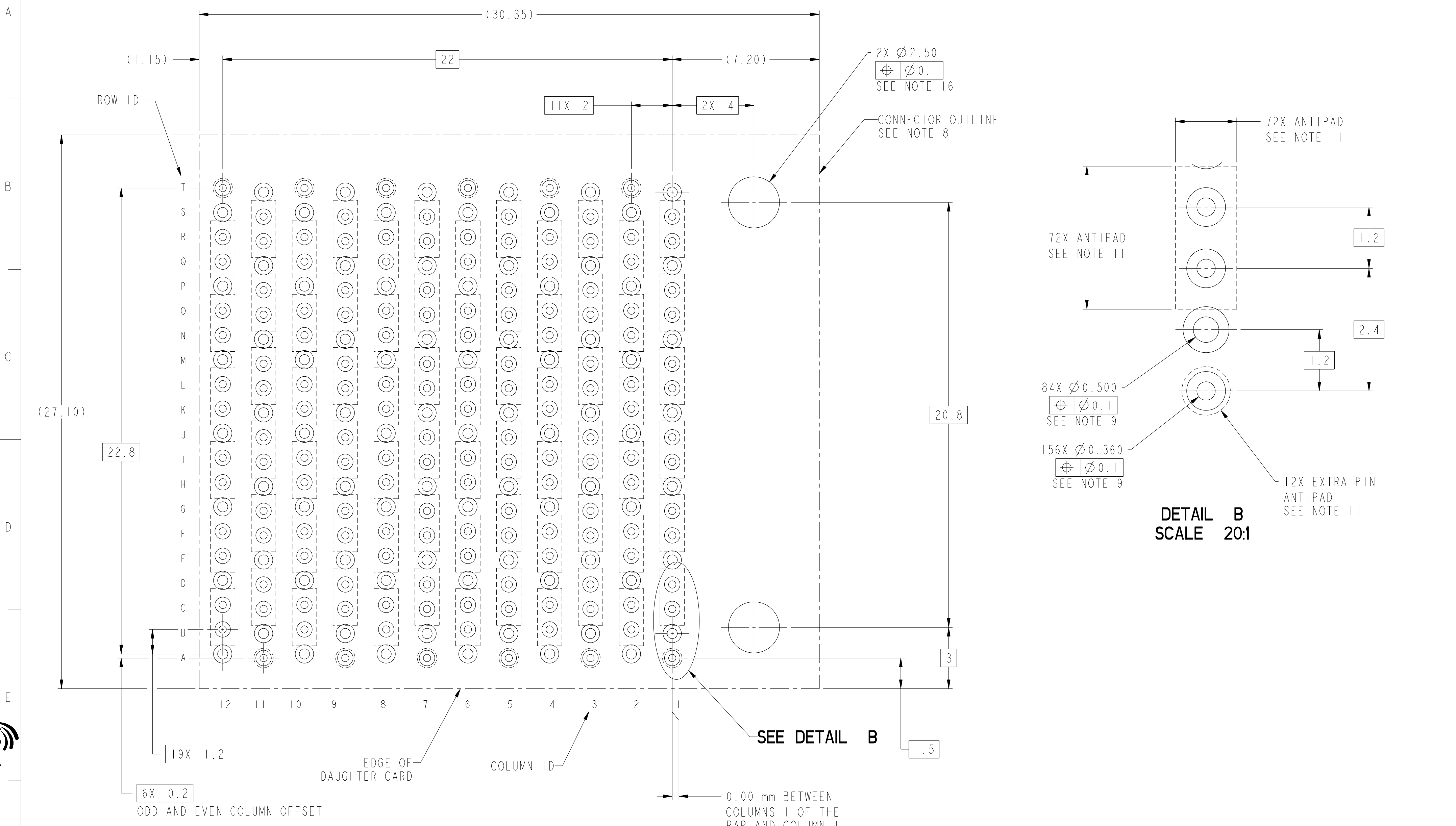


TOP SURFACE OF DAUGHTER CARD

10123159-X1ALF THRU 10123159-X1JLF  
 RIGHT GUIDANCE  
 FOR ALL OTHER DIMENSIONS SEE 10123159-101LF ON SHEET 1  
 SCALE 6:1

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|               |  |             |             |            |                        |               |        |           |         |       |         |    |    |  |   |  |                    |          |
|---------------|--|-------------|-------------|------------|------------------------|---------------|--------|-----------|---------|-------|---------|----|----|--|---|--|--------------------|----------|
| spec ref      | SEE NOTES  | dr          | SHU CHEN    | 2013-10-17 | projection             | MM            | size   | A2        | scale   | 6:1   |         |    |    |  |   |  |                    |          |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED  | eng         | HEAVEN CEN  | 2013-10-17 |                        |               | ecn no | rel level | In Work | rev   |         |    |    |  |   |  |                    |          |
| ASME Y14.5M   |  | chr         | D JOHNESECU | 2014-03-12 |                        |               |        |           |         |       |         |    |    |  |   |  |                    |          |
| surface       | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table> | linear      | 0.X         | ±.3        |                        | 0.XX          | ±.10   |           | 0.XXX   | ±.050 | angular | 0° | ±° |  | title ExqMAX R.A. RECEPTACLE ASSY<br>6 PR, 240 POS, 12 IMLA, 24mm |  | dwg no<br>10123159 | rev<br>7 |
| linear        | 0.X  | ±.3         |             |            |                        |               |        |           |         |       |         |    |    |  |   |  |                    |          |
|               | 0.XX   | ±.10        |             |            |                        |               |        |           |         |       |         |    |    |  |   |  |                    |          |
|               | 0.XXX  | ±.050       |             |            |                        |               |        |           |         |       |         |    |    |  |   |  |                    |          |
| angular       | 0°   | ±°          |             |            |                        |               |        |           |         |       |         |    |    |  |   |  |                    |          |
|               |  | www.fci.com | cat. no.    | SEE TABLE  | Product - Customer Drw | sheet 6 of 10 |        |           |         |       |         |    |    |  |   |  |                    |          |



**10123159-X1ALF THRU -X1JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 8, 9, 11 & 16  
SCALE 8:1**

|               |  |  |            |   |            |                        |        |               |         |       |                |    |    |      |  |  |  |  |  |  |  |  |
|---------------|--|--|------------|---|------------|------------------------|--------|---------------|---------|-------|----------------|----|----|------|--|--|--|--|--|--|--|--|
| spec ref      | SEE NOTES  | dr   | SHU CHEN   | 2013-10-17  | projection | MM                     | size   | A2            | scale   | 1:1   |                |    |    |      |  |  |  |  |  |  |  |  |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED  | eng  | HEAVEN CEN | 2013-10-17  |            |                        | ecn no | rel level     | In Work | rev   |                |    |    |      |  |  |  |  |  |  |  |  |
| ASME Y14.5M   |  | chr  | D JOHNSCU  | 2014-03-12  |            |                        |        |               |         |       | product family | -  |    |      |  |  |  |  |  |  |  |  |
| surface       | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table> | linear                                       | 0.X        | ±.3   |            | 0.XX                   | ±.10   |               | 0.XXX   | ±.050 | angular        | 0° | ±° | appr |  |  |  |  |  |  |  |  |
| linear        | 0.X  | ±.3  |            |   |            |                        |        |               |         |       |                |    |    |      |  |  |  |  |  |  |  |  |
|               | 0.XX   | ±.10   |            |   |            |                        |        |               |         |       |                |    |    |      |  |  |  |  |  |  |  |  |
|               | 0.XXX  | ±.050  |            |   |            |                        |        |               |         |       |                |    |    |      |  |  |  |  |  |  |  |  |
| angular       | 0°   | ±°   |            |   |            |                        |        |               |         |       |                |    |    |      |  |  |  |  |  |  |  |  |
|               |  |  |            | title ExgMAX R.A. RECEPTACLE ASSY<br>6 PR, 240 POS, 12 IMLA, 24mm |            | dwg no 10123159        |        | sheet 7 of 10 |         | rev 7 |                |    |    |      |  |  |  |  |  |  |  |  |
|               |  | <a href="http://www.fci.com">www.fci.com</a> |            | cat. no. -  |            | Product - Customer Drw |        |               |         |       |                |    |    |      |  |  |  |  |  |  |  |  |

Copyright FCI.

1 2 3 4 5 6 7 8

A

B

C

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F

A

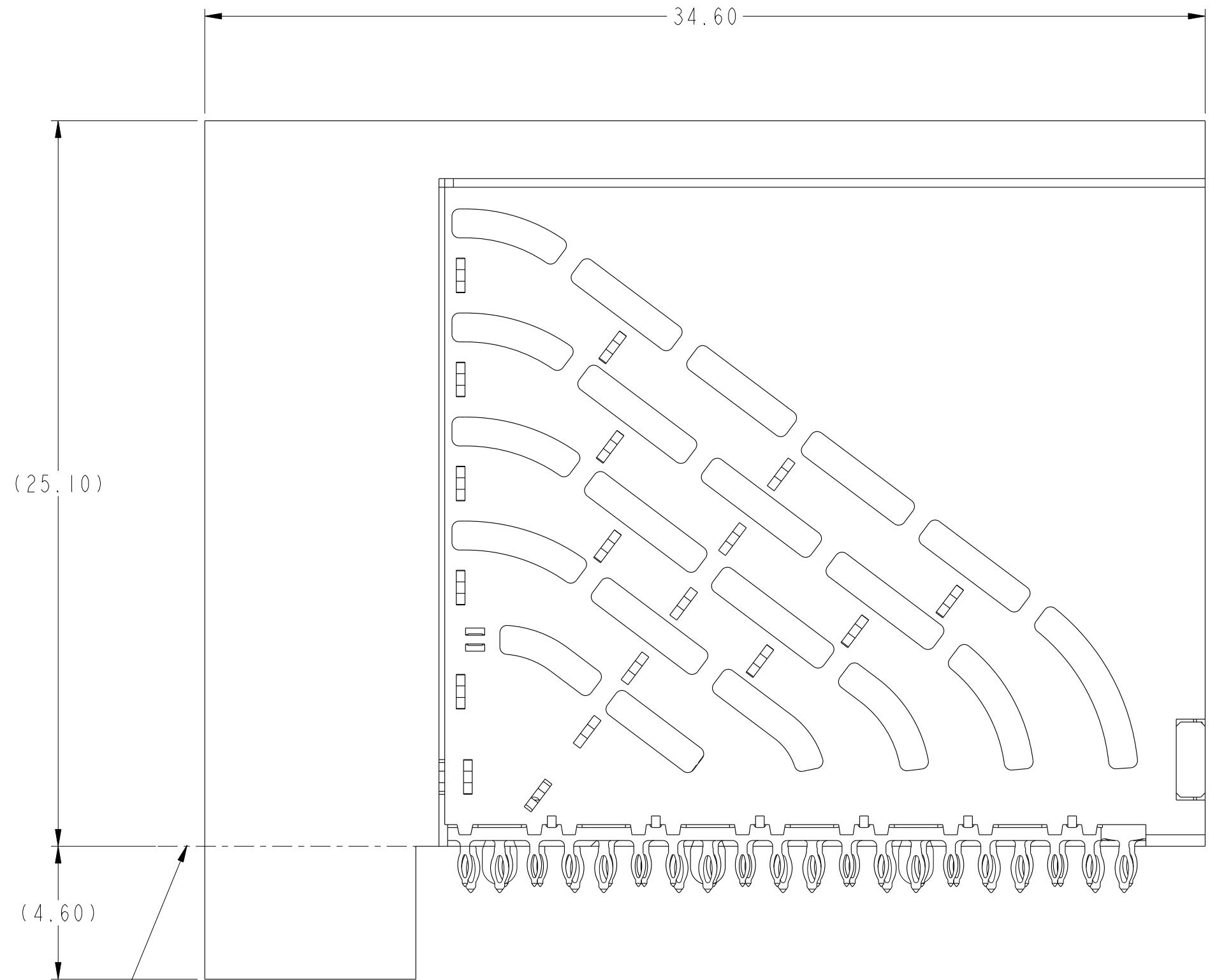
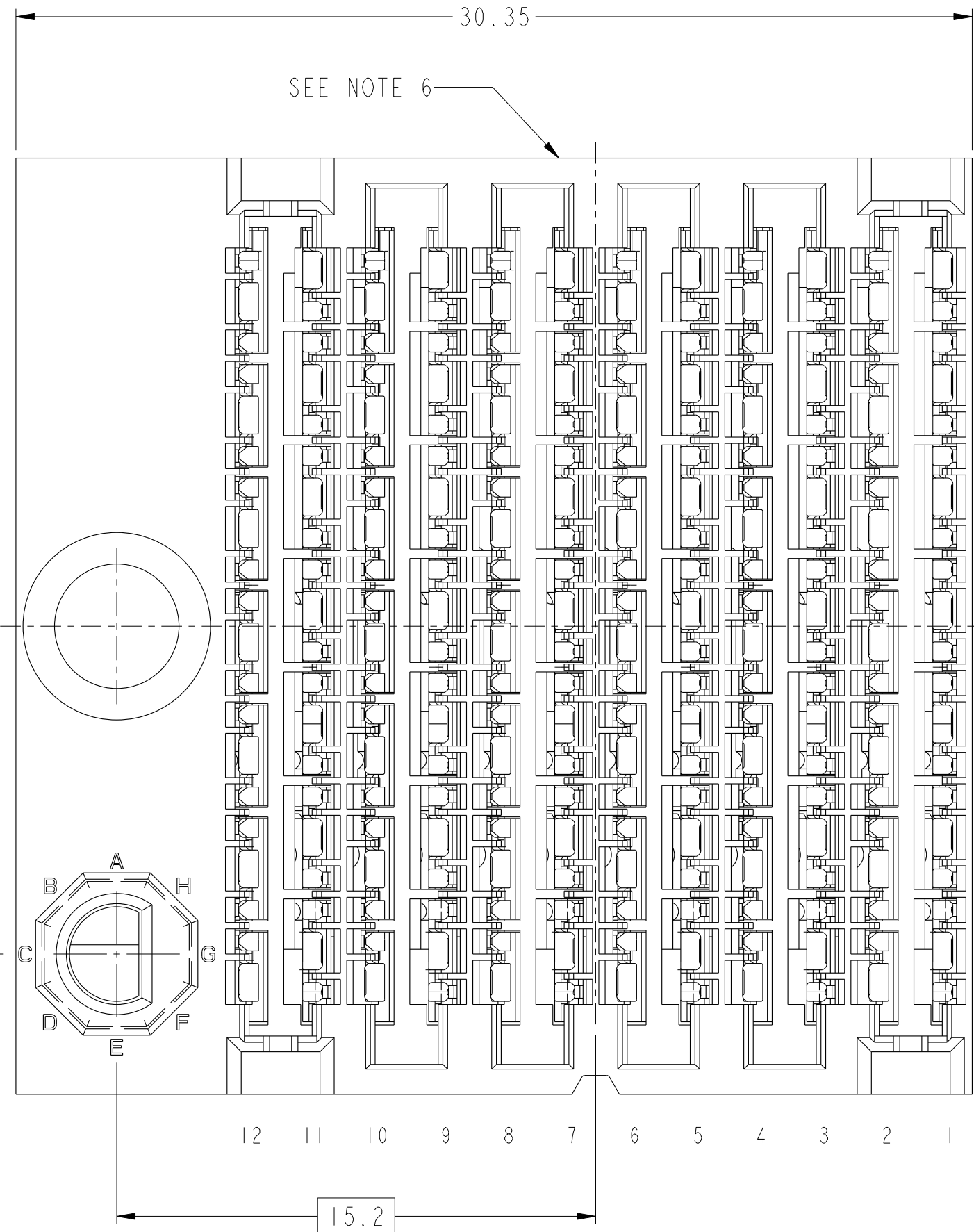
B

C

D

E

F



TOP SURFACE OF DAUGHTER CARD

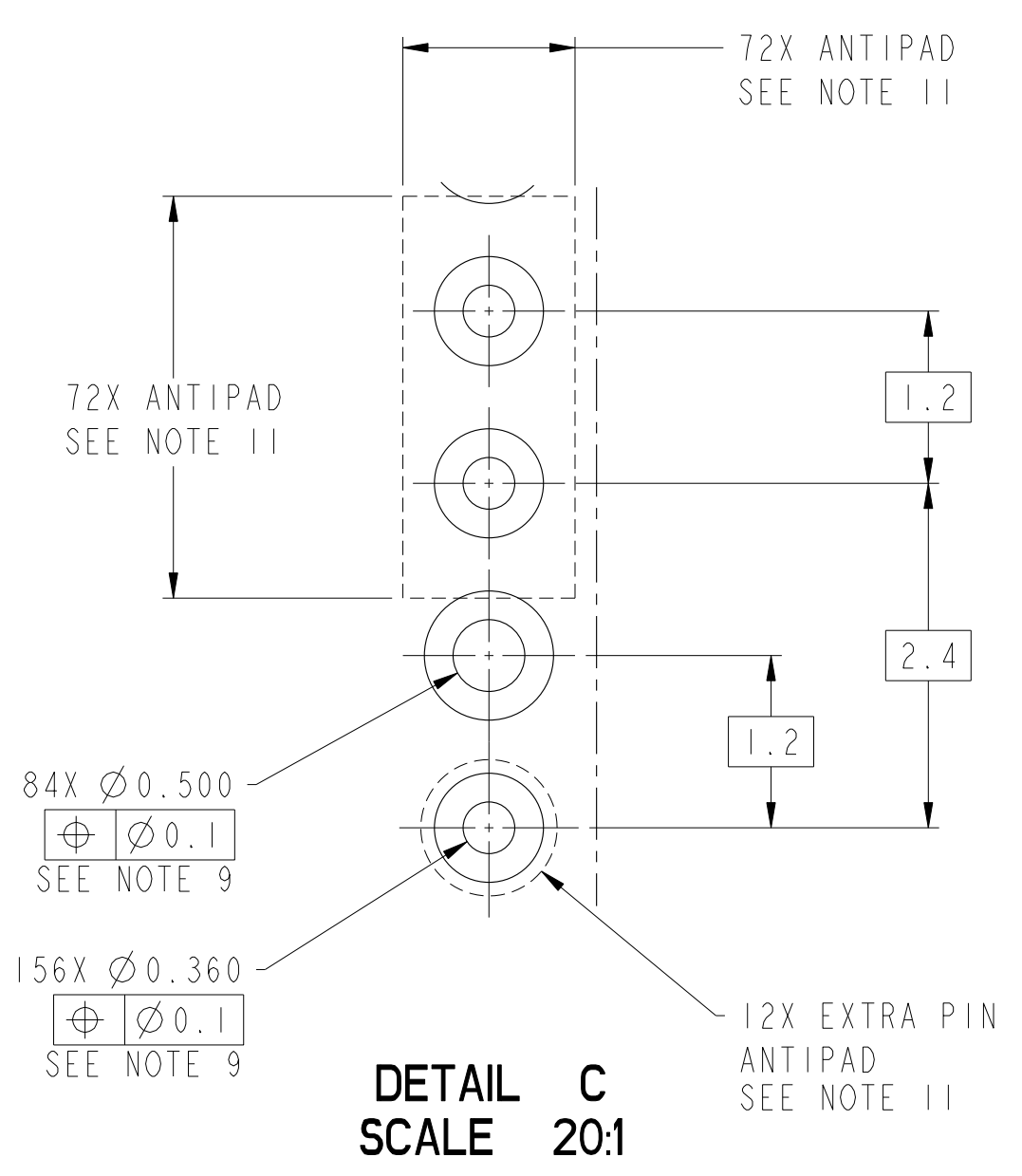
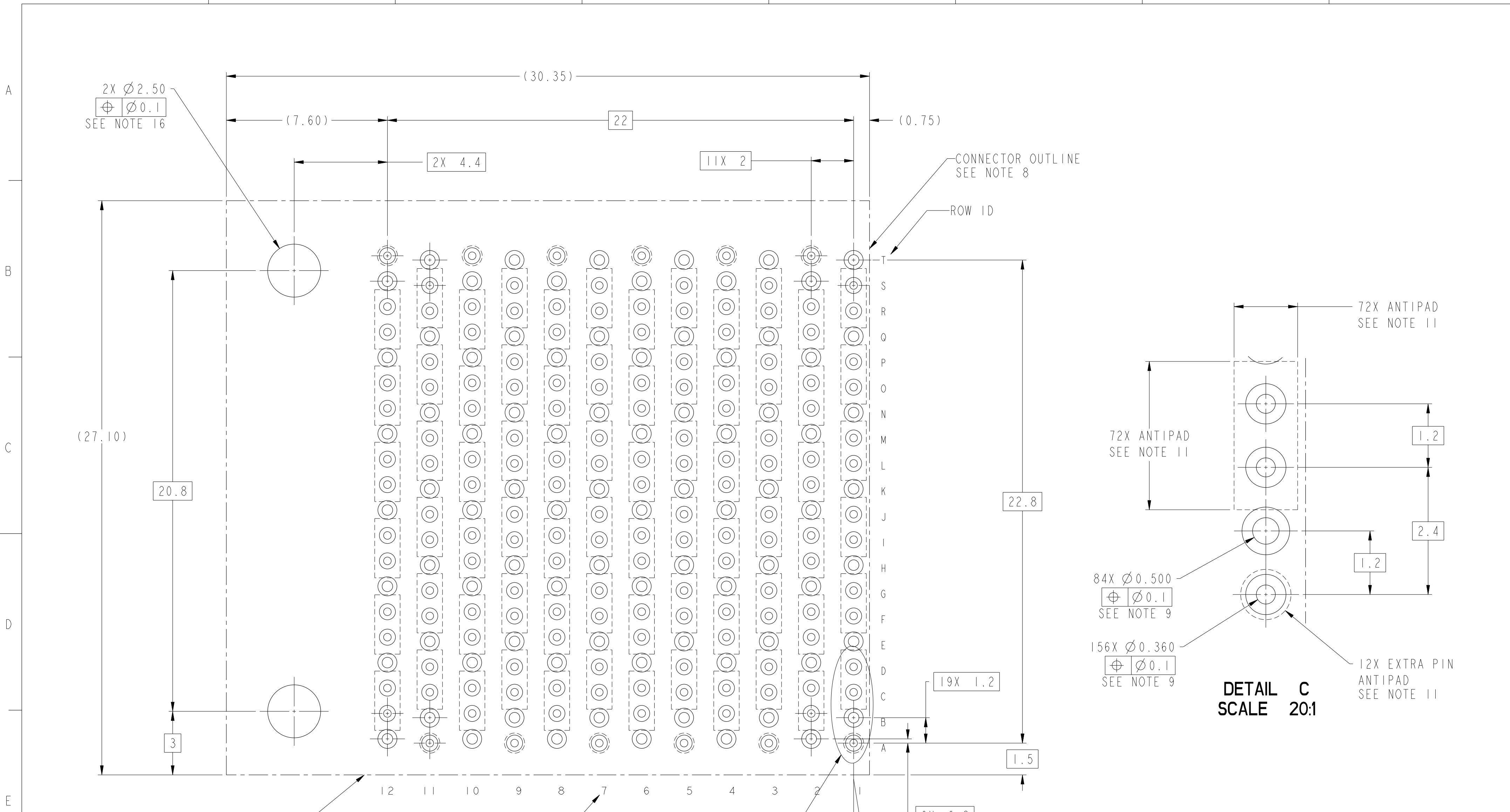
10123159-X2ALF THRU 10123159-X2JLF  
LEFT GUIDANCE  
FOR ALL OTHER DIMENSIONS SEE 10123159-101LF ON SHEET 1  
SCALE 6:1

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|               |  |             |            |            |                        |               |        |           |         |       |                |        |    |  |  |  |                    |          |
|---------------|--|-------------|------------|------------|------------------------|---------------|--------|-----------|---------|-------|----------------|--------|----|--|--|--|--------------------|----------|
| spec ref      | SEE NOTES  | dr          | SHU CHEN   | 2013-10-17 | projection             | MM            | size   | A2        | scale   | 6:1   |                |        |    |  |  |  |                    |          |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED  | eng         | HEAVEN CEN | 2013-10-17 |                        |               | ecn no | rel level | In Work | rev   |                |        |    |  |  |  |                    |          |
| ASME Y14.5M   |  | chr         | D JOHnescu | 2014-03-12 |                        |               |        |           |         |       | product family | ExdMAX |    |  |  |  |                    |          |
| surface       | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table> | linear      | 0.X        | ±.3        |                        | 0.XX          | ±.10   |           | 0.XXX   | ±.050 | angular        | 0°     | ±° |  | title<br>ExdMAX R.A. RECEPTACLE ASSY<br>6 PR, 240 POS, 12 IMLA, 24mm |  | dwg no<br>10123159 | rev<br>7 |
| linear        | 0.X  | ±.3         |            |            |                        |               |        |           |         |       |                |        |    |  |  |  |                    |          |
|               | 0.XX   | ±.10        |            |            |                        |               |        |           |         |       |                |        |    |  |  |  |                    |          |
|               | 0.XXX  | ±.050       |            |            |                        |               |        |           |         |       |                |        |    |  |  |  |                    |          |
| angular       | 0°   | ±°          |            |            |                        |               |        |           |         |       |                |        |    |  |  |  |                    |          |
|               |  | www.fci.com | cat. no.   | SEE TABLE  | Product - Customer Drw | sheet 8 of 10 |        |           |         |       |                |        |    |  |  |  |                    |          |

1 2 3 4 5 6 7 8





10123159-X2ALF THRU -X2JLF  
 RECOMMENDED PCB LAYOUT  
 COMPONENT SIDE  
 NOTES 8, 9, 11 & 16  
 SCALE 8:1

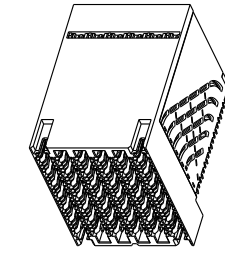
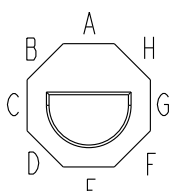
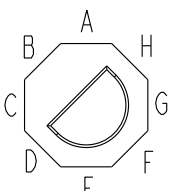
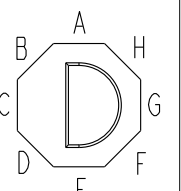
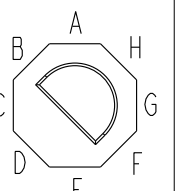
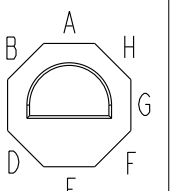
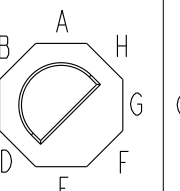
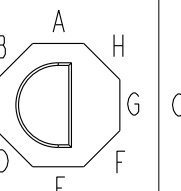
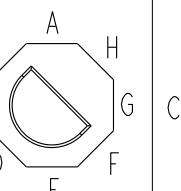
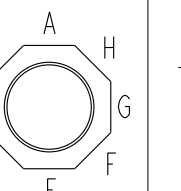
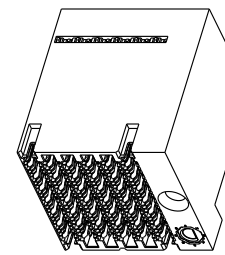
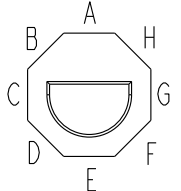
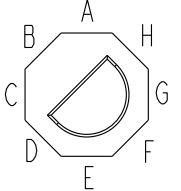
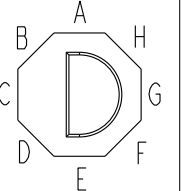
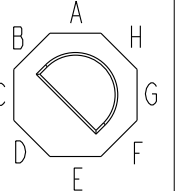
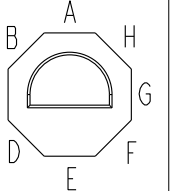
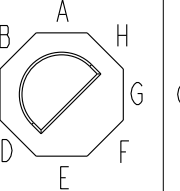
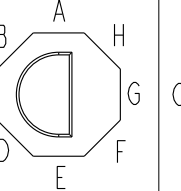
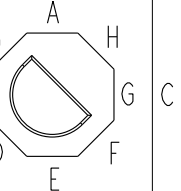
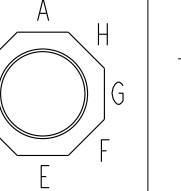
|               |  |        |            |   |            |                 |        |           |         |       |         |    |    |      |  |  |                |  |          |  |                        |               |
|---------------|--|--------|------------|---|------------|-----------------|--------|-----------|---------|-------|---------|----|----|------|--|--|----------------|--|----------|--|------------------------|---------------|
| spec ref      | SEE NOTES  | dr     | SHU CHEN   | 2013-10-17  | projection | MM              | size   | A2        | scale   | 8:1   |         |    |    |      |  |  |                |  |          |  |                        |               |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED  | eng    | HEAVEN CEN | 2013-10-17  |            |                 | ecn no | rel level | In Work | rev   |         |    |    |      |  |  |                |  |          |  |                        |               |
| ASME Y14.5M   |  | chr    | D JOHNESCU | 2014-03-12  |            |                 |        |           |         |       |         |    |    |      |  |  |                |  |          |  |                        |               |
| surface       | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table> | linear | 0.X        | ±.3   |            | 0.XX            | ±.10   |           | 0.XXX   | ±.050 | angular | 0° | ±° | appr |  |  | product family |  | cat. no. |  | Product - Customer Drw | sheet 9 of 10 |
| linear        | 0.X  | ±.3    |            |   |            |                 |        |           |         |       |         |    |    |      |  |  |                |  |          |  |                        |               |
|               | 0.XX   | ±.10   |            |   |            |                 |        |           |         |       |         |    |    |      |  |  |                |  |          |  |                        |               |
|               | 0.XXX  | ±.050  |            |   |            |                 |        |           |         |       |         |    |    |      |  |  |                |  |          |  |                        |               |
| angular       | 0°   | ±°     |            |   |            |                 |        |           |         |       |         |    |    |      |  |  |                |  |          |  |                        |               |
|               |  |        |            | title ExqMAX R.A. RECEPTACLE ASSY<br>6 PR, 240 POS, 12 IMLA, 24mm |            | dwg no 10123159 |        | rev 7     |         |       |         |    |    |      |  |  |                |  |          |  |                        |               |



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10123159 - Y Y Y L F

| ASSEMBLY PART NUMBER | DESCRIPTION                  | STATUS     |
|----------------------|------------------------------|------------|
| 10123159-1YYLF       | STANDARD MATE                | TOOLED     |
| 10123159-2YYLF       | ADVANCED MATE                | NOT TOOLED |
| 10123159-3YYLF       | SHORT DETECT                 |            |
| 10123159-4YYLF       | ADVANCED MATE & SHORT DETECT |            |

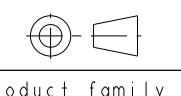

| MODULE DESCRIPTION                      | DESIGNATION REPRESENTED IN DASH NUMBER  |   |   |   |   |   |   |   |   |   | STATUS     | BASE MODULE   |
|---|---|---|---|---|---|---|---|---|---|---|------------|---|
|   | 1A  | 1B  | 1C  | 1D  | 1E  | 1F  | 1G  | 1H  | 1J (NO KEY)   |   |            |   |
| WITHOUT END GUIDES MODULE (SEE SHEET 1) | 01  |   |   |   |   |   |   |   |   |   | TOOLED     |  |
| RIGHT GUIDANCE MODULE (SEE SHEET 6)     |  |  |  |  |  |  |  |  |  |   | NOT TOOLED |  |
|   | LEFT GUIDANCE MODULE (SEE SHEET 8)  |  |  |  |  |  |  |  |  |  |            |   |

NOTES:

- ① - CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
CONTACT: COPPER ALLOY  
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE  
  
PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE)
- 3 - PRODUCT SPECIFICATION: GS-12-1096
- 4 - APPLICATION SPECIFICATION GS-20-0361.
- 5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
- ⑥ - PRODUCT MARKING, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS 24.0mm FOR -X01
- ⑧ - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT.
- ⑨ - REFER TO CUSTOMER DRAWING 10119933 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 10 - THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES & OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- ⑪ - REFER TO APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTH, TRACE SPACING, ETC.
- 12 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑬ - THE ADVANCED MATE RECEPTACLE, 10123159-2XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER, 10123162-2XXLF, OR ADVANCED MATE RIGHT-ANGLE HEADER, 10124560-2XXLF, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75mm BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

- ⑭ - THE SHORT DETECT RECEPTACLE, 10123159-3XXLF, WHEN MATED WITH AN STANDARD MATE VERTICAL HEADER, 10123162-1XXLF, OR THE STANDARD MATE RIGHT-ANGLE HEADER, 10124560-1XXLF, WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00mm AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCE MATE/SHORT DETECT RECEPTACLE, 10123159-4XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER, 10123162-2XXLF, OR THE ADVANCED MATE RIGHT-ANGLE HEADER, 10124560-2XXLF, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75mm BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS AND 1 PAIR OF MATING CONTACTS THAT MATE 1.00mm AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑯ - FOR CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, TWO PHILLIPS PAN HEAD M2 HOLD DOWN SCREWS MAY BE USED TO SECURE THE CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 2.0-6.0mm PLUS THE THICKNESS OF THE BOARD. SCREWS ARE NOT PROVIDED WITH CONNECTOR.



|               |                                       |       |             |   |   |                             |        |           |         |     |                        |  |                |  |  |
|---------------|---------------------------------------|-------|-------------|---|---|-----------------------------|--------|-----------|---------|-----|------------------------|--|----------------|--|--|
| spec ref      | SEE NOTES                             | dr    | SHU CHEN    | 2013-10-17  | projection  | MM                          | size   | A2        | scale   | 1:1 |                        |  |                |  |  |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng   | HEAVEN CEN  | 2013-10-17  |  | ← →                         | ecn no | rel level | In Work | rev |                        |  |                |  |  |
| ASME Y14.5M   |                                       | chr   | D JOHNSCU   | 2014-03-12  |   |                             |        |           |         |     | product family         |  |                |  |  |
| surface       | linear                                | 0.X   | ±.3         |  |   | ExqMAX R.A. RECEPTACLE ASSY |        | 10123159  |         | 7   |                        |  |                |  |  |
|               | 0.XX                                  | ±.10  | cat. no.    |   |   |                             |        |           |         |     | Product - Customer Drw |  | sheet 10 of 10 |  |  |
|               | 0.XXX                                 | ±.050 | www.fci.com |   |   |                             |        |           |         |     |                        |  |                |  |  |
|               | angular                               | 0°    | ±°          |   |   |                             |        |           |         |     |                        |  |                |  |  |

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