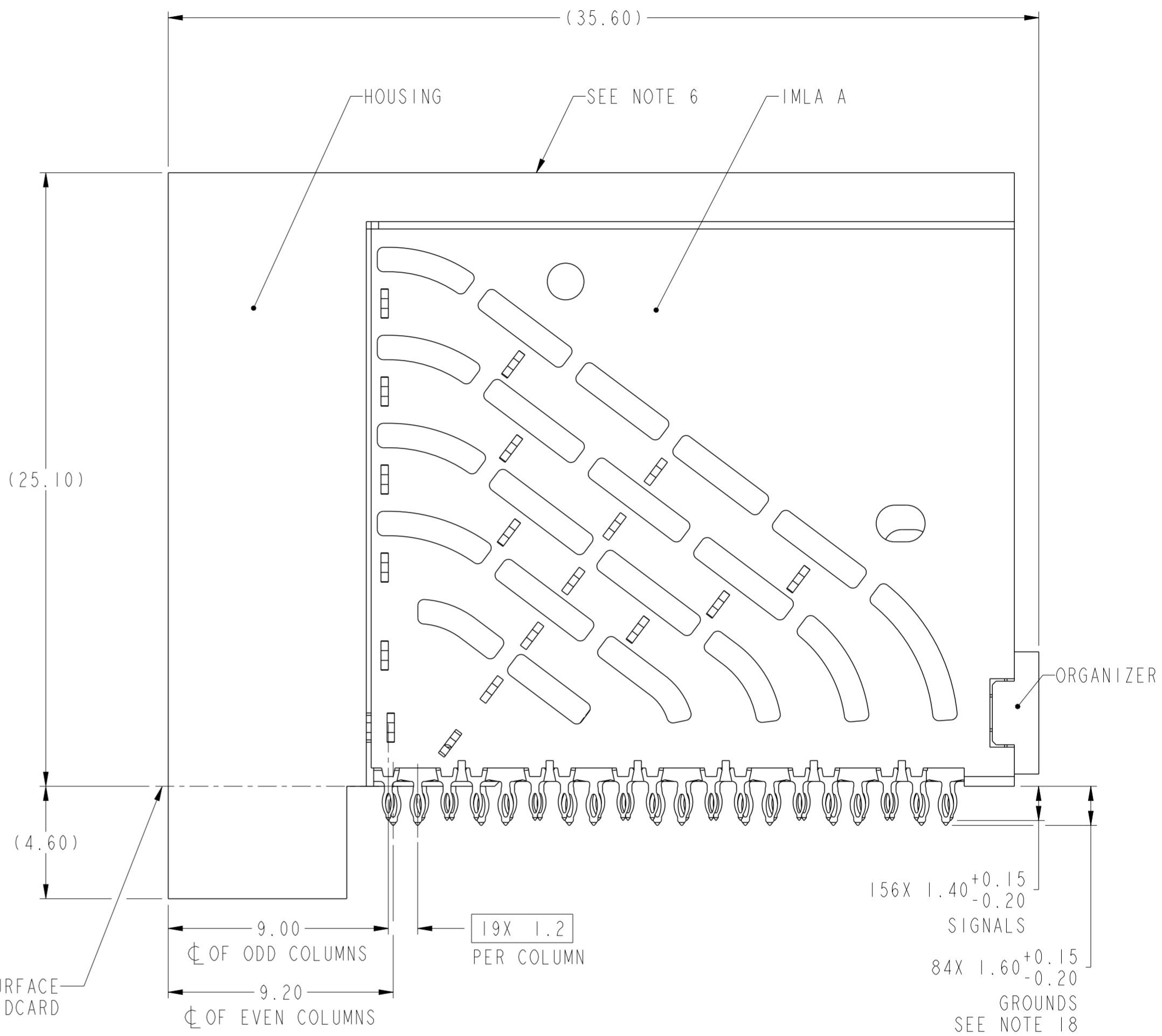
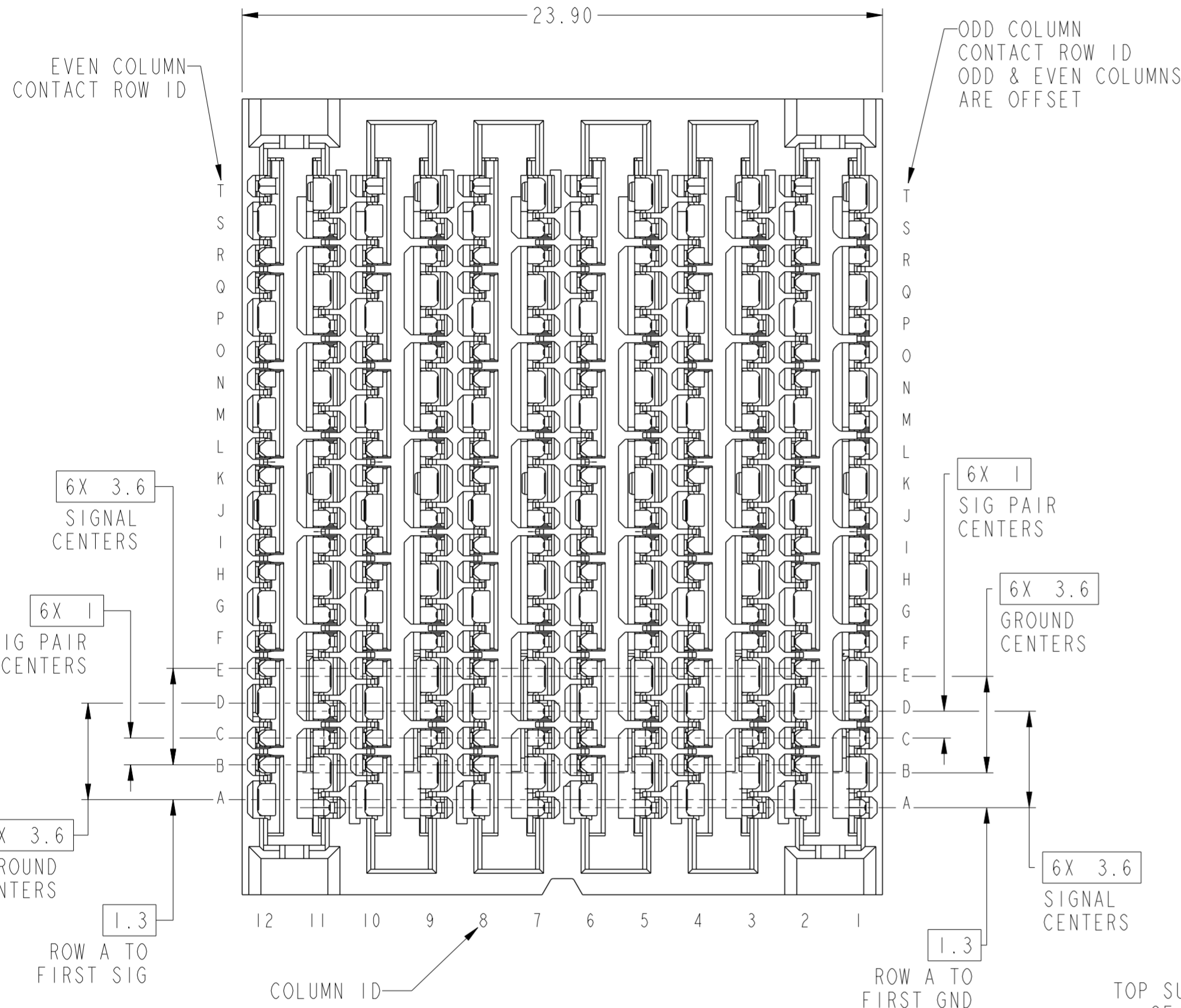


PRODUCT NUMBER
SEE TABLE



10123159-101LF
STANDARD MATE RECEPTACLE
SCALE 6:1

| | | | | | | | | | | | | | | | | | | | |
|---------------|--|--|------------|---------------------------|-------------------------------|------|---------------|----|-----------|----------|----------------|--------|----|--|--|--|--|------------------------|--------------|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 6:1 | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | rel level | Released | | | | | | | | | |
| ASME Y14.5M | | chr | - | | | | | | | | | | | | | | | | |
| | | appr | Jim Swain | 2015/09/22 | | | | | | | product family | ExaMAX | | | | | | | |
| 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 ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | | dwg no 10123159 | rev A |
| linear | 0.X | ±.3 | | | | | | | | | | | | | | | | | |
| | 0.XX | ±.10 | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | |
| angular | 0° | ±° | | | | | | | | | | | | | | | | | |
| | | www.fci.com | | cat. no. SEE TABLE | Product - Customer Drw | | sheet 1 of 11 | | | | | | | | | | | | |

1 2 3 4 5 6 7 8

A

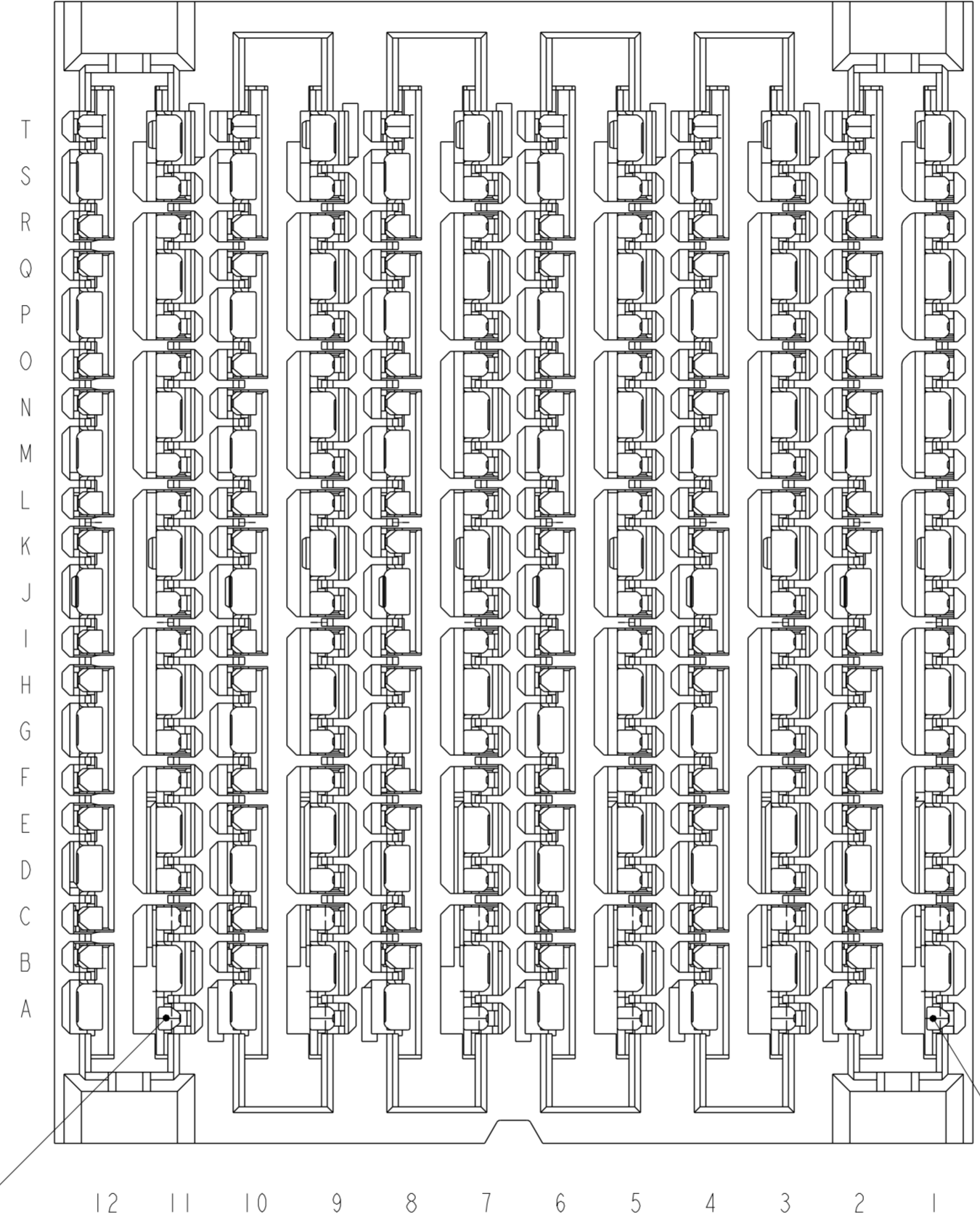
B

C

D

E

F



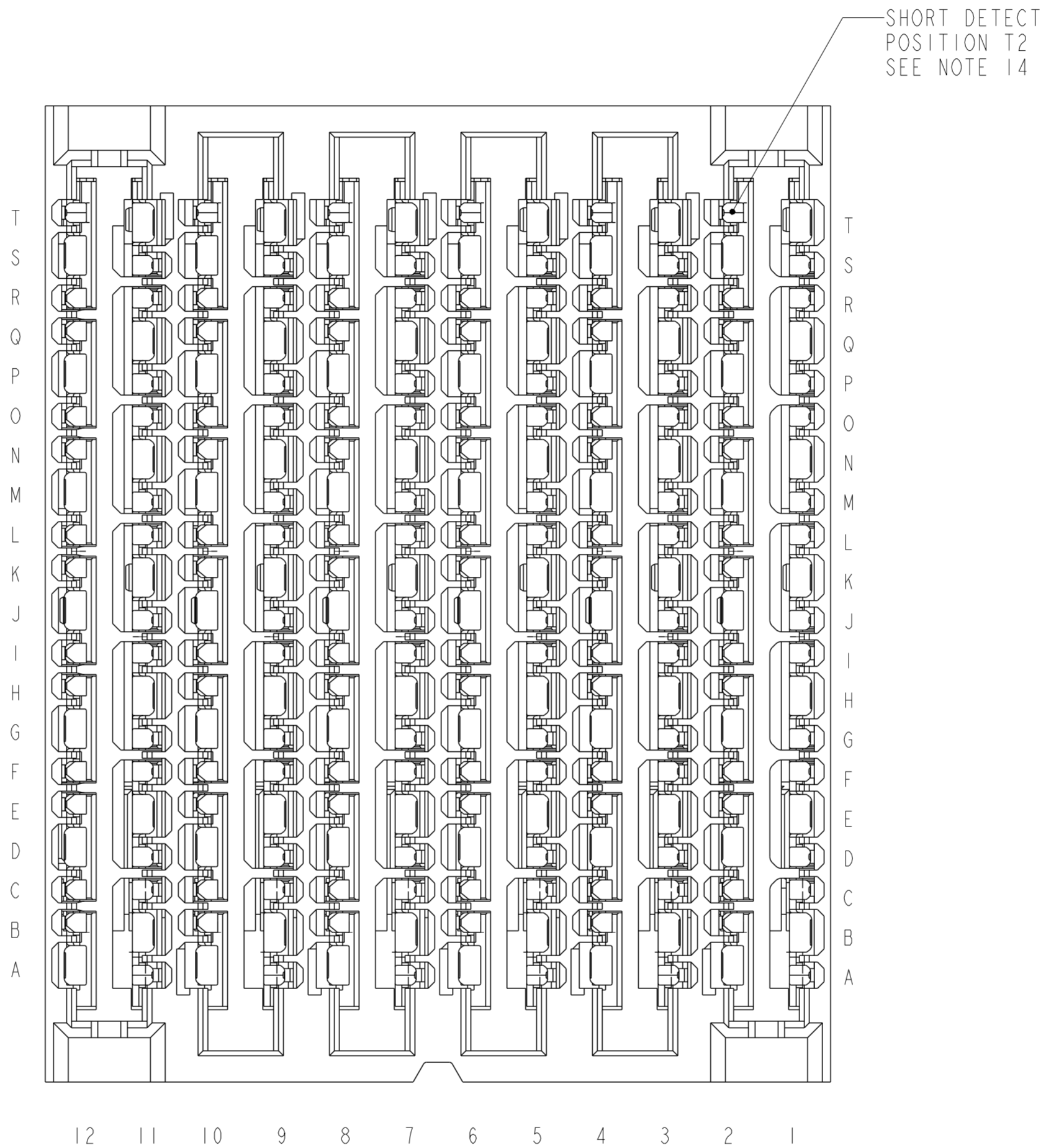
ADVANCED MATE POSITION A11 SEE NOTE 13

ADVANCED MATE POSITION A1 SEE NOTE 13

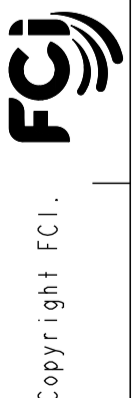
10123159-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 AND A11 ONLY
FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1
SCALE 7:1

Copyright FCI. **FCI**

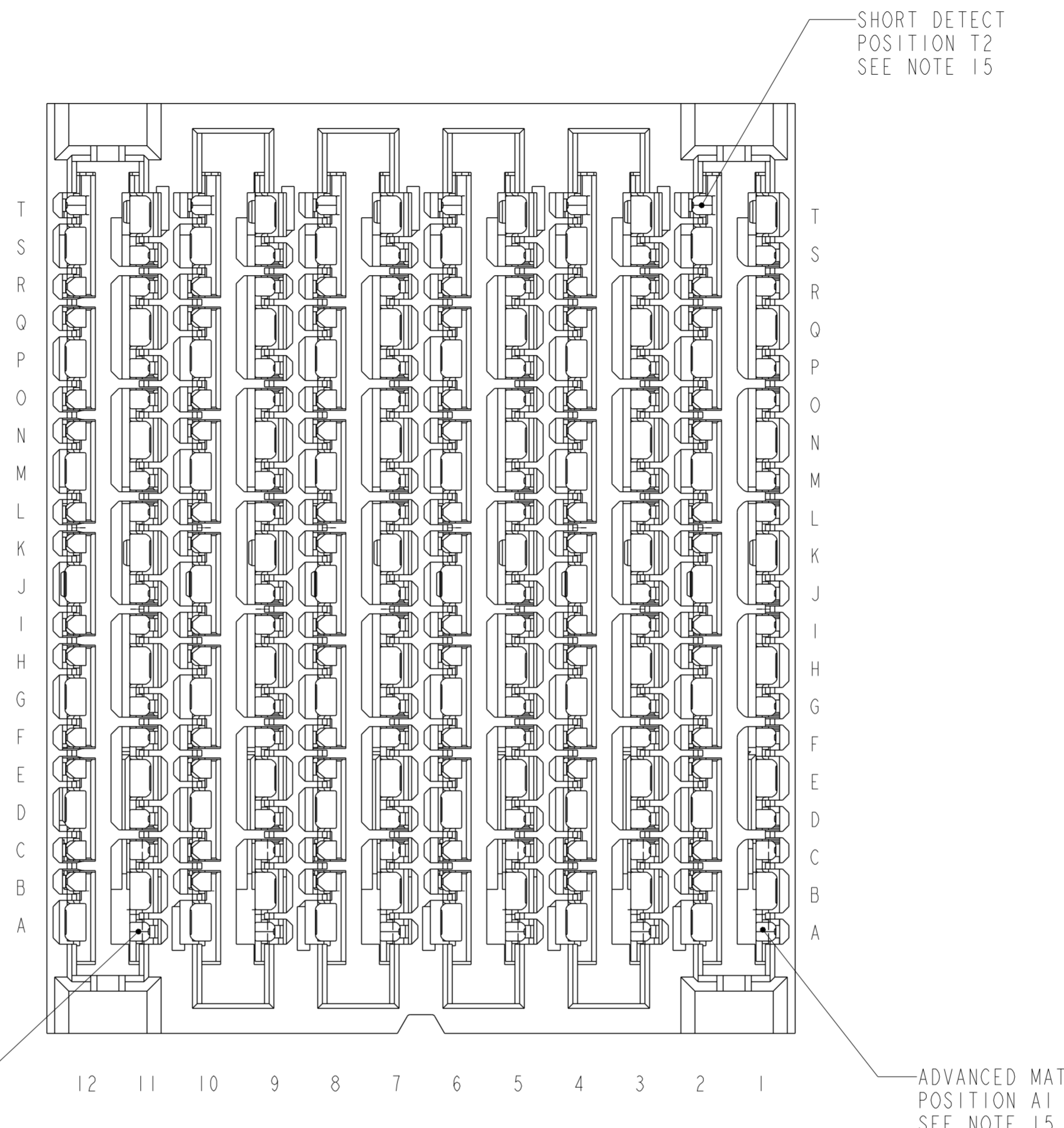
| | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|--|------------|--|-------------------------------|------------------------|--------------|----------|-------|-------|---------|----|----|------|-----------|------------|----------------|--------|-----------|----------|--|--|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 7:1 | | | | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | | | | | | | | | | | | | | |
| ASME Y14.5M | | chr | - | 2015/09/22 | | | rel level | Released | | | | | | | | | | | | | | |
| 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 | Jim Swain | 2015/09/22 | product family | ExaMAX | rel level | Released | | |
| linear | 0.X | ±.3 | | | | | | | | | | | | | | | | | | | | |
| | 0.XX | ±.10 | | | | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | | | | |
| angular | 0° | ±° | | | | | | | | | | | | | | | | | | | | |
| | | | | title ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | | dwg no 10123159 | rev A | | | | | | | | | | | | | | | |
| | | www.fci.com | | cat. no. SEE TABLE | Product - Customer Drw | sheet 2 of 11 | | | | | | | | | | | | | | | | |



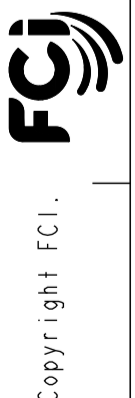
10123159-301LF
 SHORT DETECT RECEPTACLE
 SHORT DETECT POSITION IS T2
 FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1
 SCALE 7:1



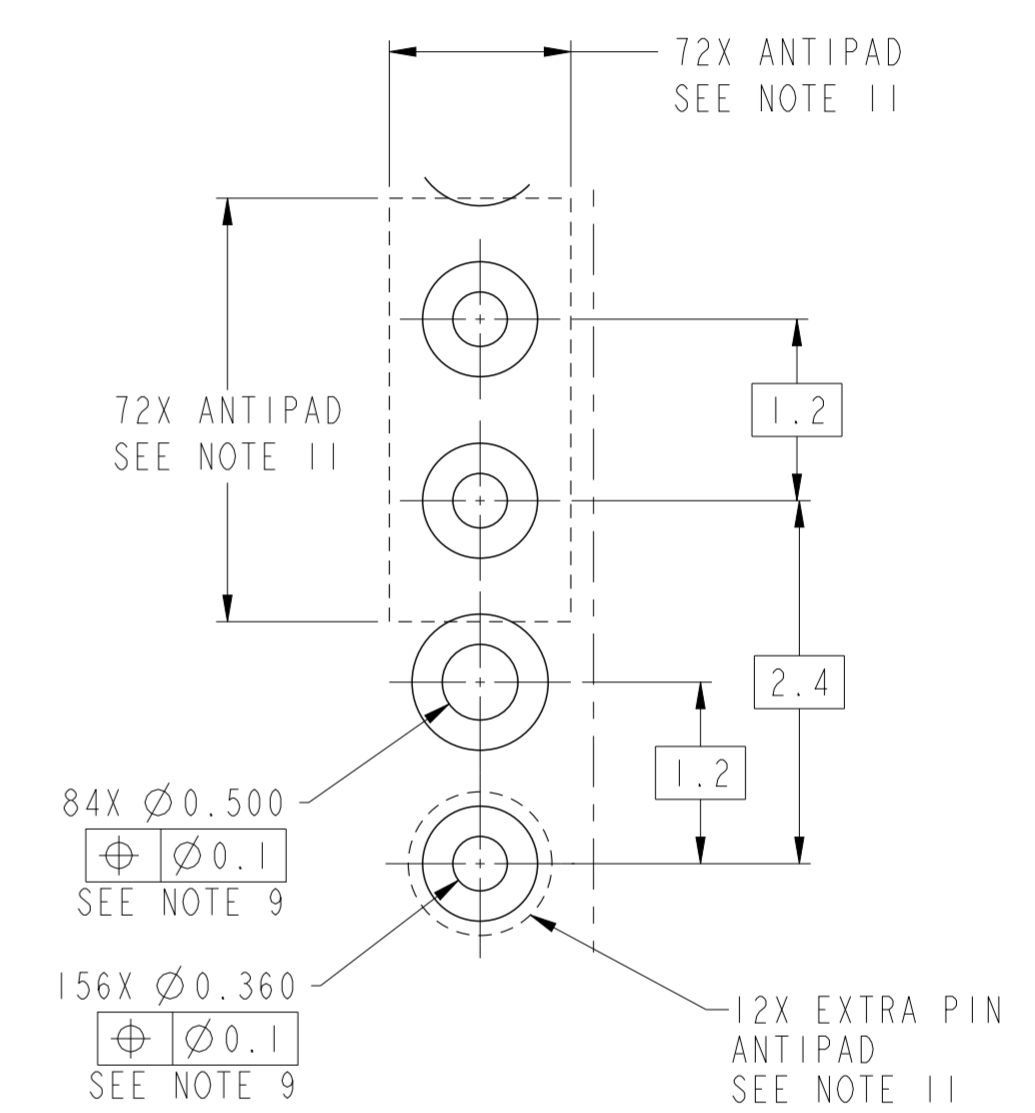
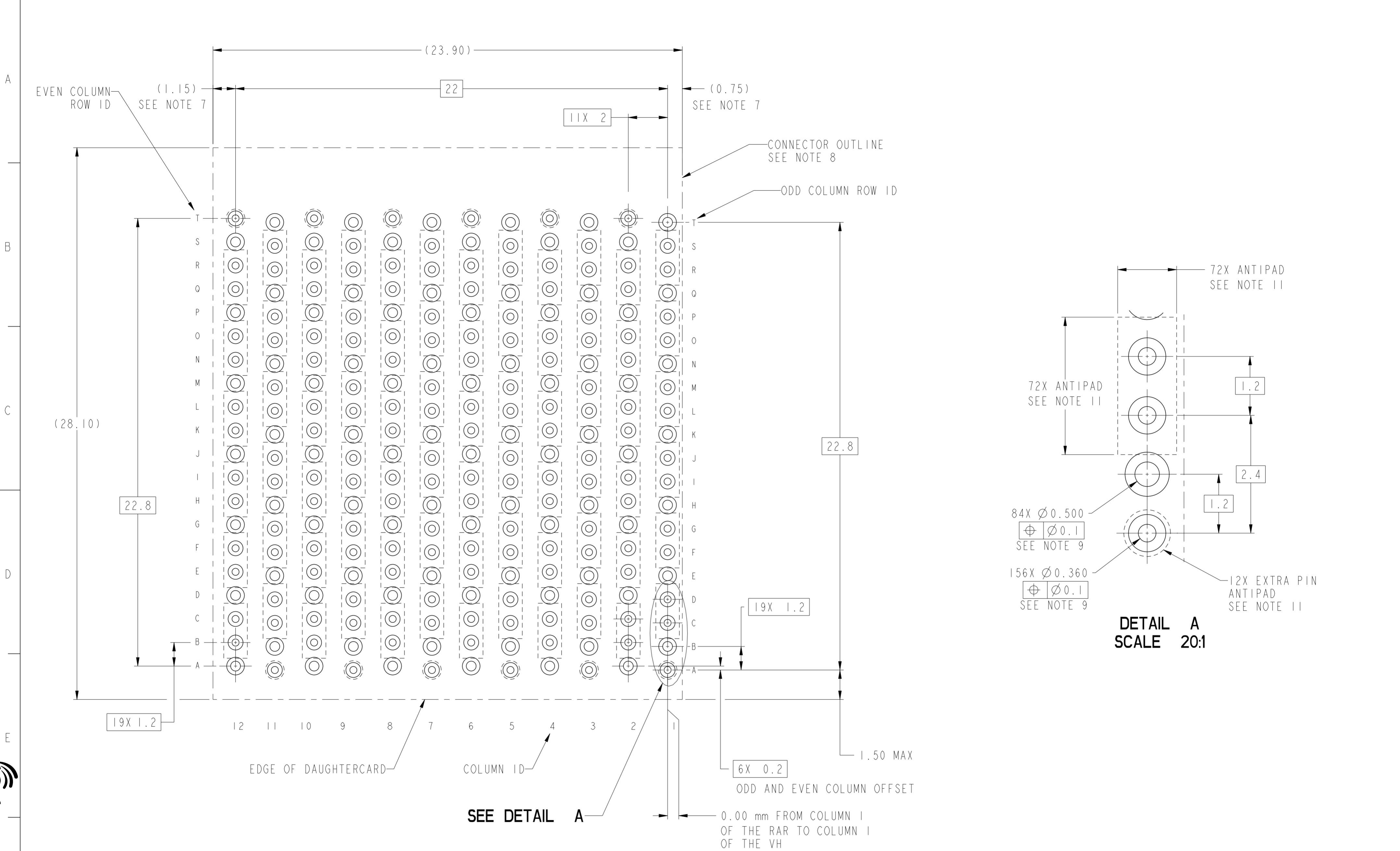
| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|-------------|------------|------------|------------|------------------------|----------------|--------|-----------|----------|---------|----|----|------|-----------|------------|--|--|-------|-----------------------------|--------|----------|-----|---|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 7:1 | | | | | | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | | | | | | | | | | | | | | | | |
| ASME Y14.5M | | chr | - | 2015/09/22 | | | product family | ExaMAX | rel level | Released | | | | | | | | | | | | | | |
| 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 | Jim Swain | 2015/09/22 | | | title | ExaMAX R.A. RECEPTACLE ASSY | dwg no | 10123159 | rev | A |
| linear | 0.X | ±.3 | | | | | | | | | | | | | | | | | | | | | | |
| | 0.XX | ±.10 | | | | | | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | | | | | | |
| angular | 0° | ±° | | | | | | | | | | | | | | | | | | | | | | |
| | | www.fci.com | | cat. no. | SEE TABLE | Product - Customer Drw | sheet 3 of 11 | | | | | | | | | | | | | | | | | |



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

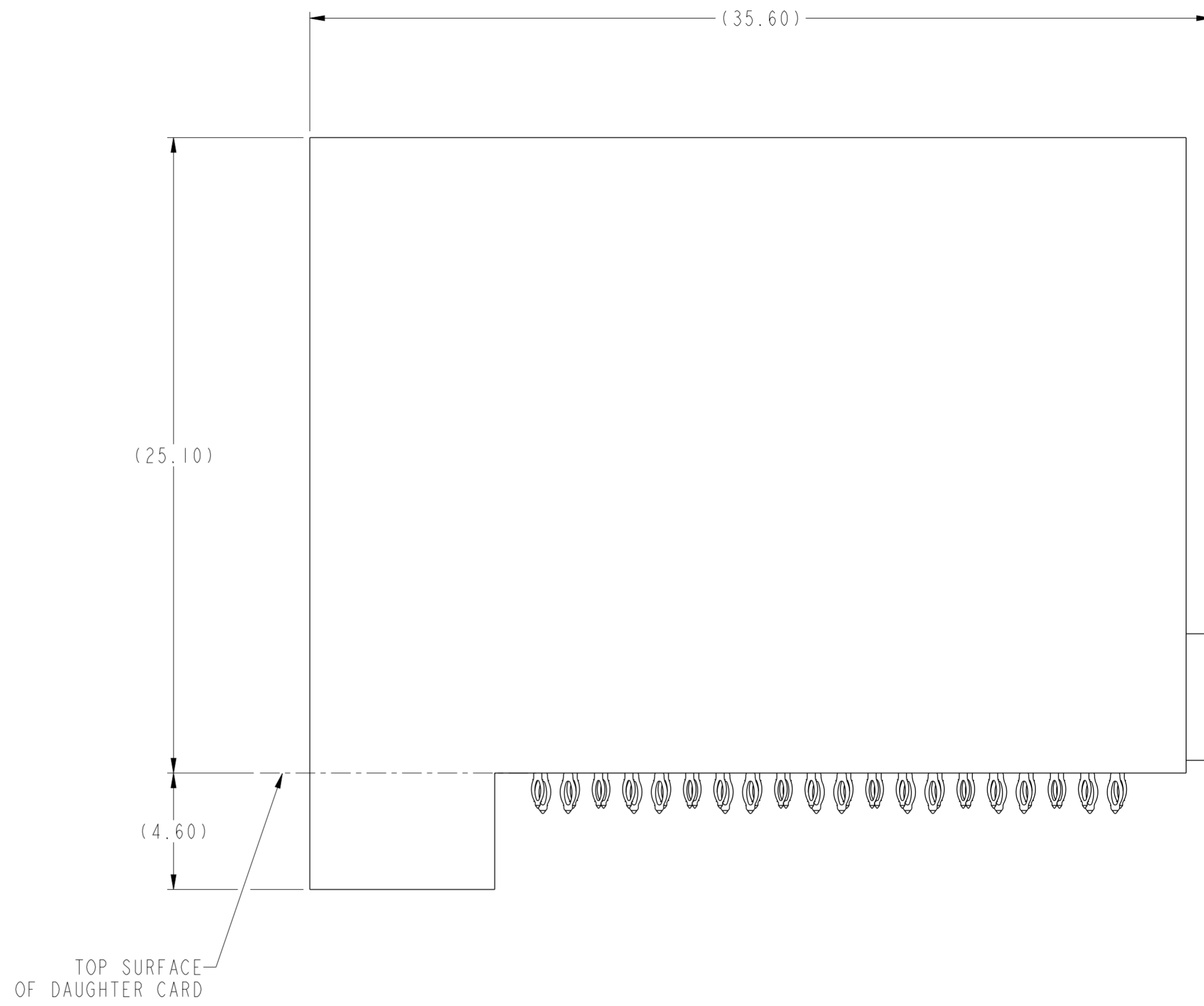
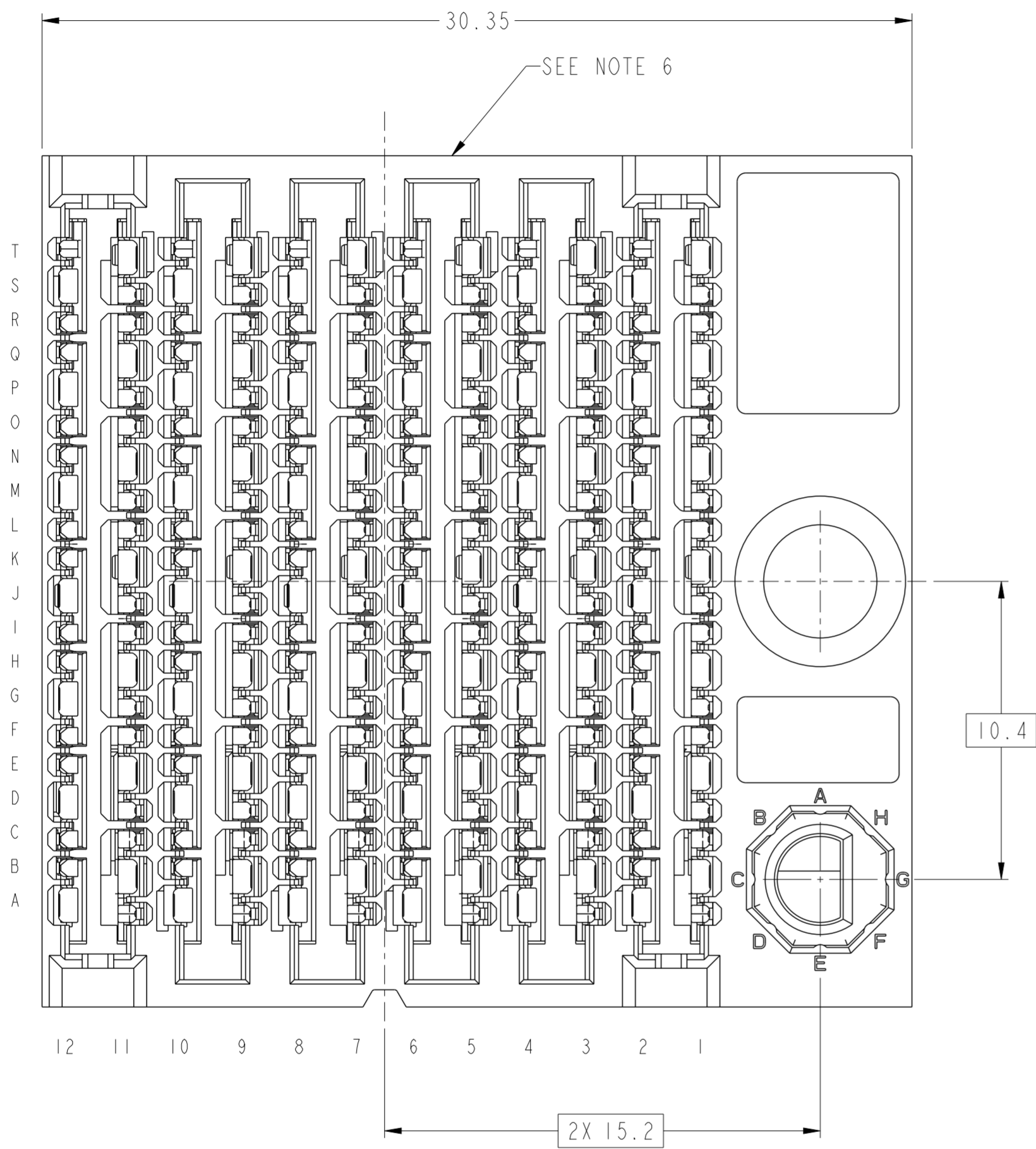


| | | | | | | | | | | |
|---------------|---------------------------------------|---------|------------|------------|-------------|--|------------------------|---------------|-------|-----|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 7:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | | |
| ASME Y14.5M | | chr | - | - | | | rel level | Released | | |
| surface | | linear | 0.X | ±.3 | | title ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | dwg no 10123159 | rev A | | |
| | | | 0.XX | ±.10 | | | | | | |
| | | | 0.XXX | ±.050 | | | | | | |
| | | angular | 0° | ±° | www.fci.com | cat. no. SEE TABLE | Product - Customer Drw | sheet 4 of 11 | | |



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

| | | | | | | | | | | | | | | | | | | | |
|---------------|--|-------------|------------|------------|------------------------|------|---------------|----|-----------|----------|-----------|------------|----|--|--|--|--|--------------------|----------|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 8:1 | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | rel level | Released | | | | | | | | | |
| ASME Y14.5M | | chr | - | appr | | | | | | | Jim Swain | 2015/09/22 | | | | | | | |
| 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 ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | | dwg no 10123159 | rev A |
| linear | 0.X | ±.3 | | | | | | | | | | | | | | | | | |
| | 0.XX | ±.10 | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | |
| angular | 0° | ±° | | | | | | | | | | | | | | | | | |
| | | www.fci.com | | cat. no. | Product - Customer Drw | | sheet 5 of 11 | | | | | | | | | | | | |



10123159-X1ALF THRU 10123159-X1JLF
 RIGHT GUIDANCE (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE 10123159-101LF ON SHEET 1
 SCALE 6:1

| | | | | | | | | | | | | | | | | | | | |
|---------------|--|-------------|------------|------------|------------|------------------------|---------------|----|-----------|----------|-----------|------------|----|--|--|---|--|--------------------|----------|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 6:1 | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | rel level | Released | | | | | | | | | |
| ASME Y14.5M | | chr | - | appr | | | | | | | Jim Swain | 2015/09/22 | | | | | | | |
| 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 ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | | dwg no 10123159 | rev A |
| 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 11 | | | | | | | | | | | | |



(1.15)
SEE NOTE 7

ROW ID

22

11X 2

2X 4

2X $\varnothing 2.50$
 $\varnothing 0.1$
SEE NOTE 16

CONNECTOR OUTLINE
SEE NOTE 8

72X ANTIPAD
SEE NOTE 11

72X ANTIPAD
SEE NOTE 11

84X $\varnothing 0.500$
 $\varnothing 0.1$
SEE NOTE 9

156X $\varnothing 0.360$
 $\varnothing 0.1$
SEE NOTE 9

12X EXTRA PIN
ANTIPAD
SEE NOTE 11

DETAIL B
SCALE 20:1

(28.10)

22.8

20.8

1.5

1.50 MAX

SEE DETAIL B

0.00 mm BETWEEN
COLUMNS 1 OF THE
RAR AND COLUMN 1
OF THE VH

EDGE OF
DAUGHTER CARD

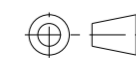
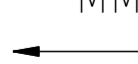

COLUMN ID

19X 1.2

6X 0.2

ODD AND EVEN COLUMN OFFSET

10123159-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

| | | | | | | | | | | | | | | | | | |
|---------------|--|-------------|------------|------------|---|---|-----------|----|-----------|------------|-----------|------------|-------|---|---|---------------------------|-----------------|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 1:1 | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 |  |  | ecn no | - | rel level | Released | | | | | | | |
| ASME Y14.5M | | chr | - | app | | | | | | | Jim Swain | 2015/09/22 | | | | | |
| surface | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>$\pm .3$</td> </tr> <tr> <td></td> <td>0.XX</td> <td>$\pm .10$</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>$\pm .050$</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>\pm</td> </tr> </table> | linear | 0.X | $\pm .3$ | | 0.XX | $\pm .10$ | | 0.XXX | $\pm .050$ | angular | 0° | \pm |  | title ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | dwg no 10123159 | rev A |
| linear | 0.X | $\pm .3$ | | | | | | | | | | | | | | | |
| | 0.XX | $\pm .10$ | | | | | | | | | | | | | | | |
| | 0.XXX | $\pm .050$ | | | | | | | | | | | | | | | |
| angular | 0° | \pm | | | | | | | | | | | | | | | |
| | | www.fci.com | cat. no. | - | Product - Customer Drw | sheet 7 of 11 | | | | | | | | | | | |

PDS: Rev :A

STATUS:Released

Printed: Sep 23, 2015



Copyright FCI.

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

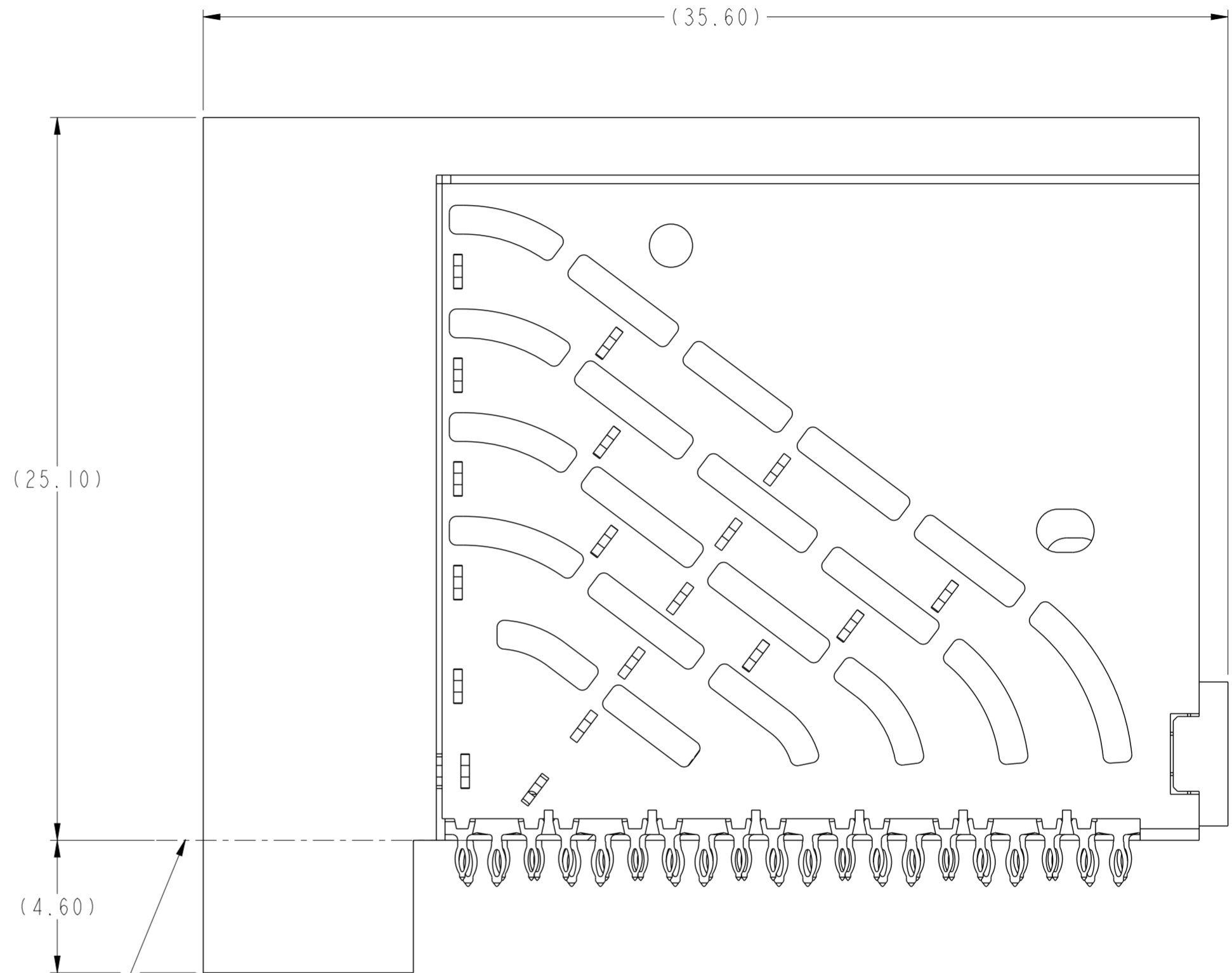
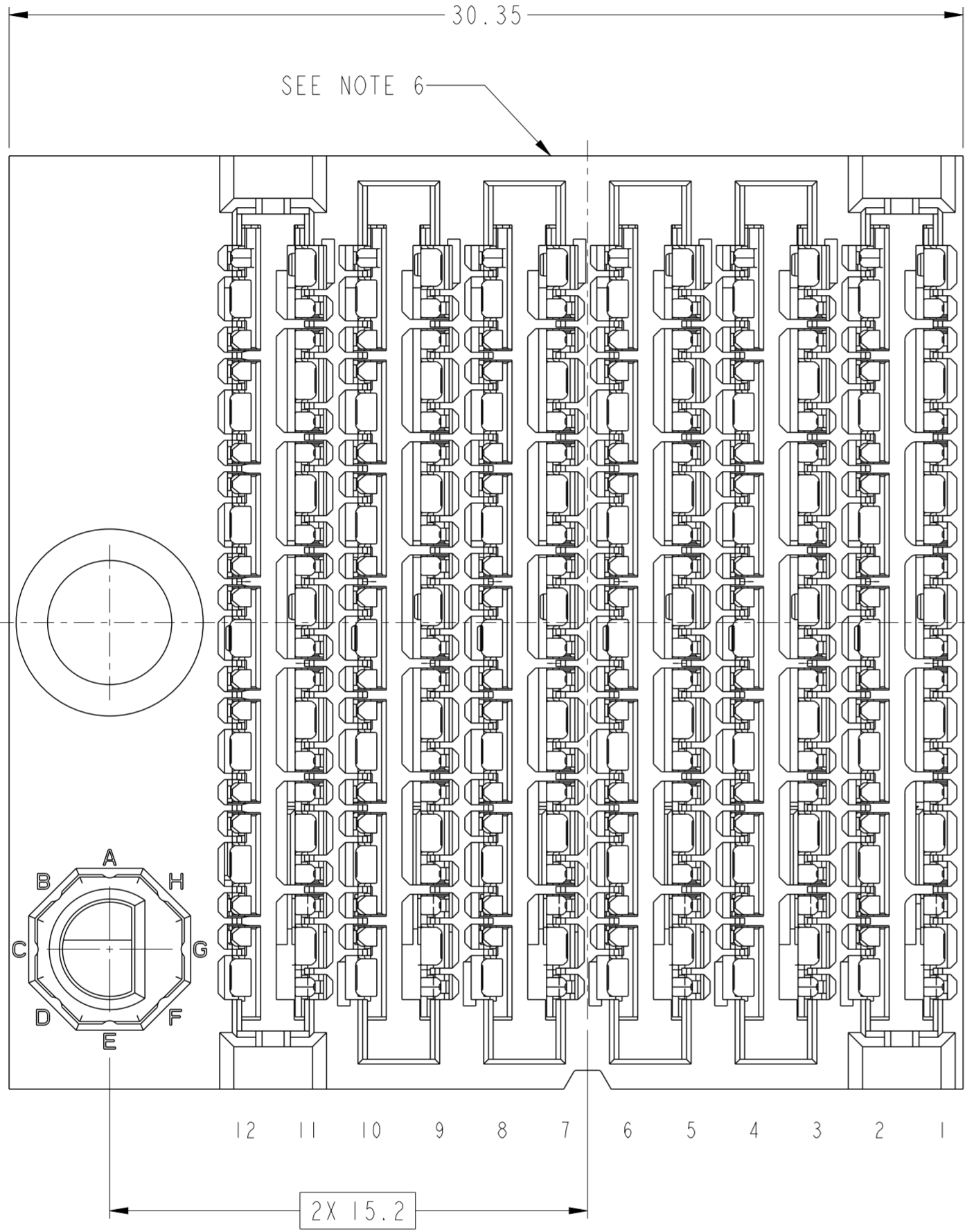
B

C

D

E

F



TOP SURFACE OF DAUGHTER CARD

10123159-X2ALF THRU 10123159-X2JLF
 LEFT GUIDANCE (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE 10123159-101LF ON SHEET 1
 SCALE 6:1

Copyright FCI. FCI

| | | | | | | | | | | | | | | | | | | | |
|---------------|--|-------------|------------|------------|------------|------------------------|---------------|----|-----------|----------|-----------|------------|----------------|--------|--|---|--|--------------------|----------|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 6:1 | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | rel level | Released | | | | | | | | | |
| ASME Y14.5M | | chr | - | appr | | | | | | | Jim Swain | 2015/09/22 | product family | ExaMAX | | | | | |
| 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 ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | | dwg no 10123159 | rev A |
| 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 11 | | | | | | | | | | | | |

PDS: Rev :A

STATUS:Released

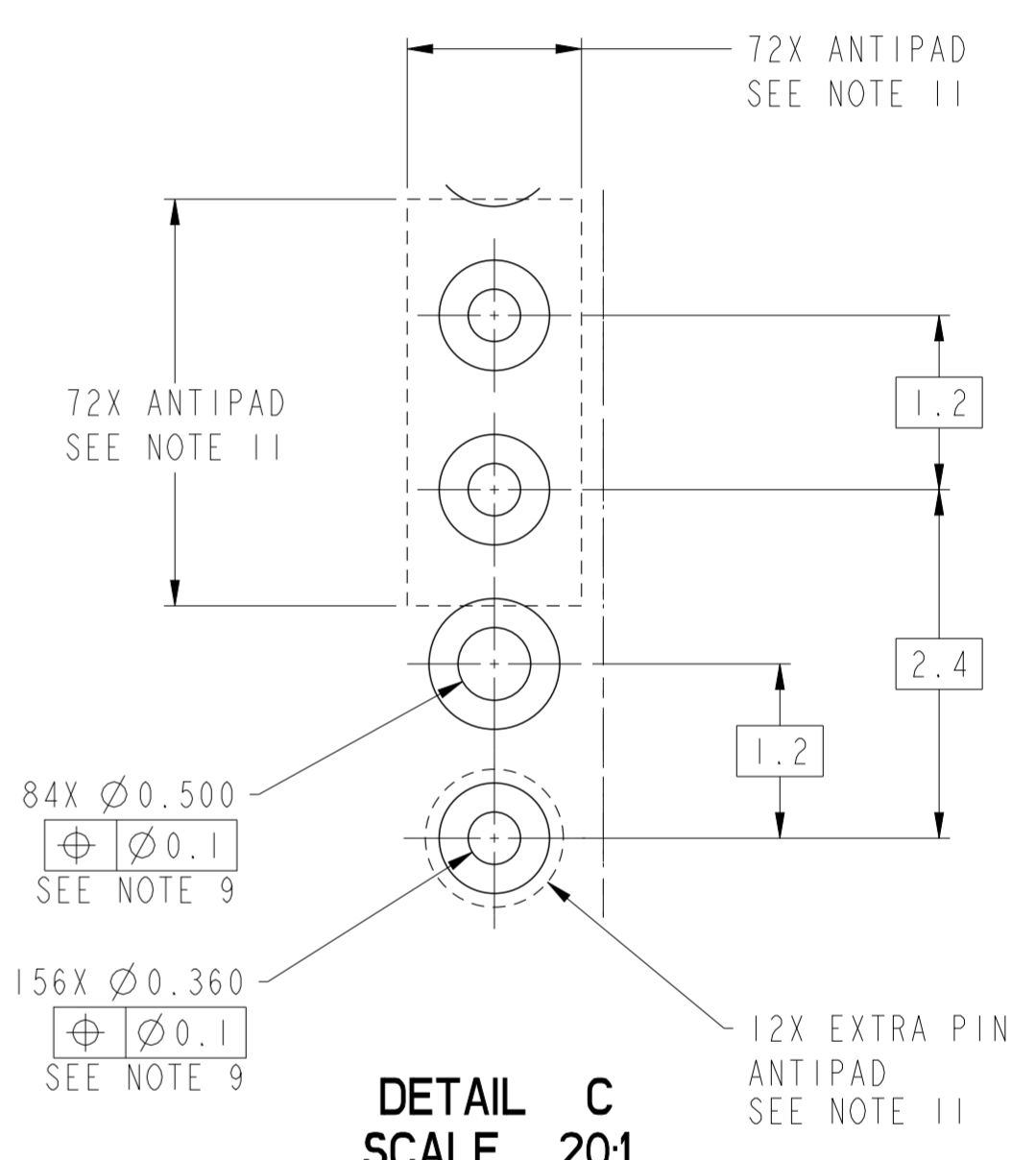
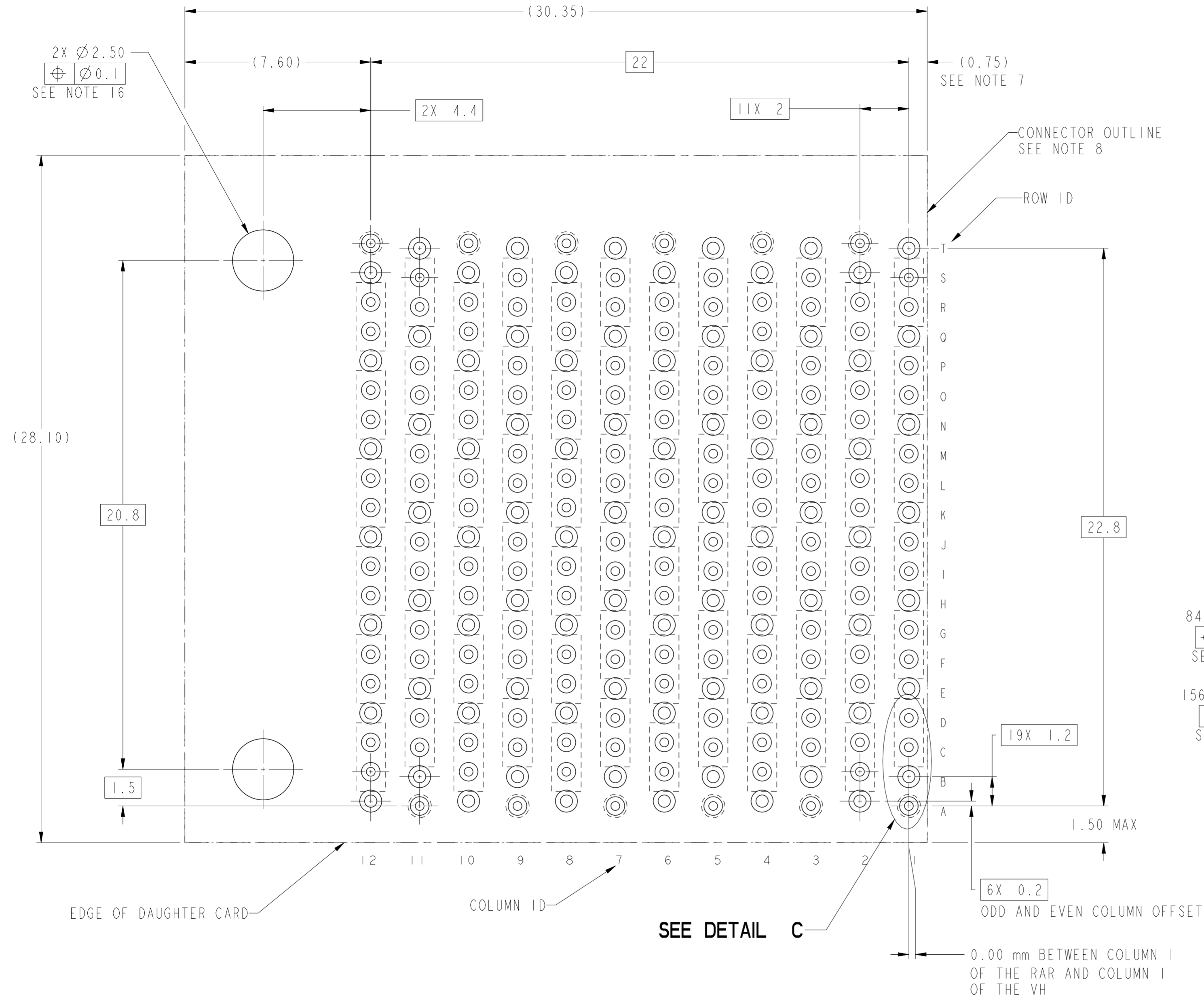
Printed: Sep 23, 2015

2

3

4

5

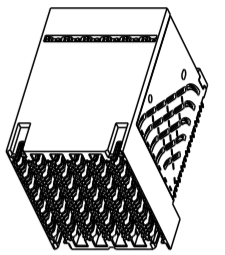
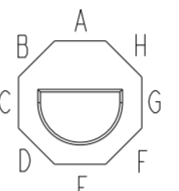
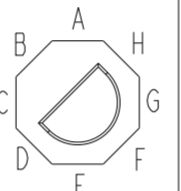
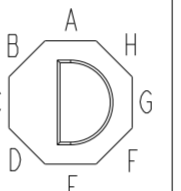
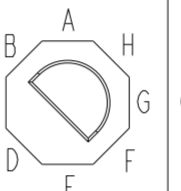
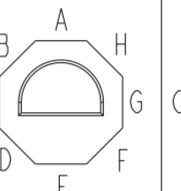
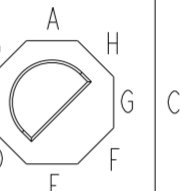
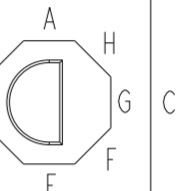
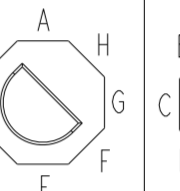
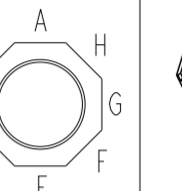
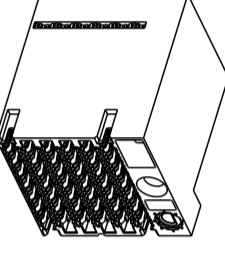
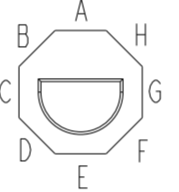
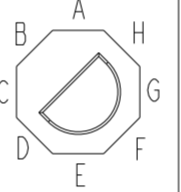
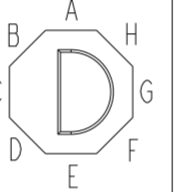
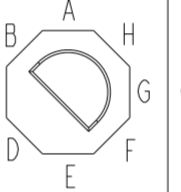
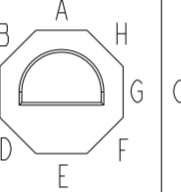
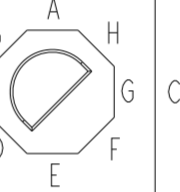
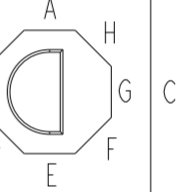
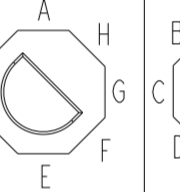
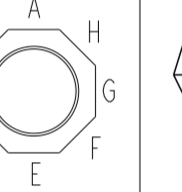
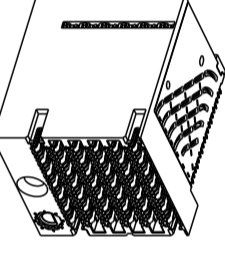
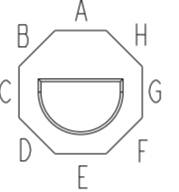
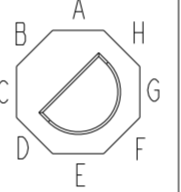
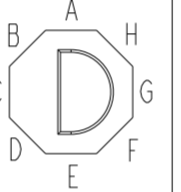
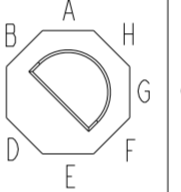
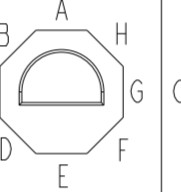
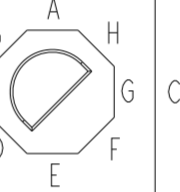
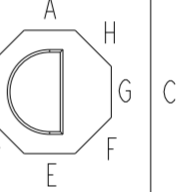
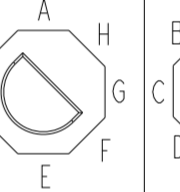
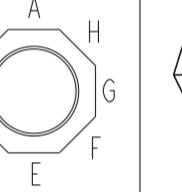
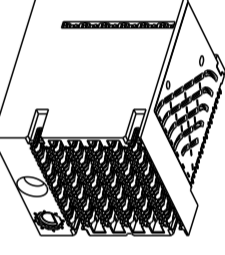


**10123159-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1**

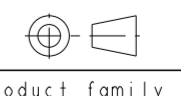

| | | | | | | | | | | | | | | | | | | | |
|---------------|--|-------------|------------|------------|------------------------|------|---------------|----|-----------|----------|-----------|------------|----|--|--|--|--|--------------------|----------|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 8:1 | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | rel level | Released | | | | | | | | | |
| ASME Y14.5M | | chr | - | appr | | | | | | | Jim Swain | 2015/09/22 | | | | | | | |
| 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 ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | | dwg no 10123159 | rev A |
| linear | 0.X | ±.3 | | | | | | | | | | | | | | | | | |
| | 0.XX | ±.10 | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | |
| angular | 0° | ±° | | | | | | | | | | | | | | | | | |
| | | www.fci.com | | cat. no. | Product - Customer Drw | | sheet 9 of 11 | | | | | | | | | | | | |

1 0 | 2 3 | 5 9 - Y Y Y L F

| ASSEMBLY PART NUMBER | DESCRIPTION |
|----------------------|------------------------------|
| 10123159-1YYLF | STANDARD MATE |
| 10123159-2YYLF | ADVANCED MATE |
| 10123159-3YYLF | SHORT DETECT |
| 10123159-4YYLF | ADVANCED MATE & SHORT DETECT |

| MODULE DESCRIPTION | DESIGNATION REPRESENTED IN DASH NUMBER | | | | | | | | | BASE MODEL |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1A | 1B | 1C | 1D | 1E | 1F | 1G | 1H | 1J (NO KEY) | |
| WITHOUT END GUIDES MODULE (SEE SHEET 1) | 01 | | | | | | | | |  |
| RIGHT GUIDANCE MODULE (SEE SHEET 6) |  |  |  |  |  |  |  |  |  |  |
| |  |  |  |  |  |  |  |  |  |  |
| LEFT GUIDANCE MODULE (SEE SHEET 8) |  |  |  |  |  |  |  |  |  |  |

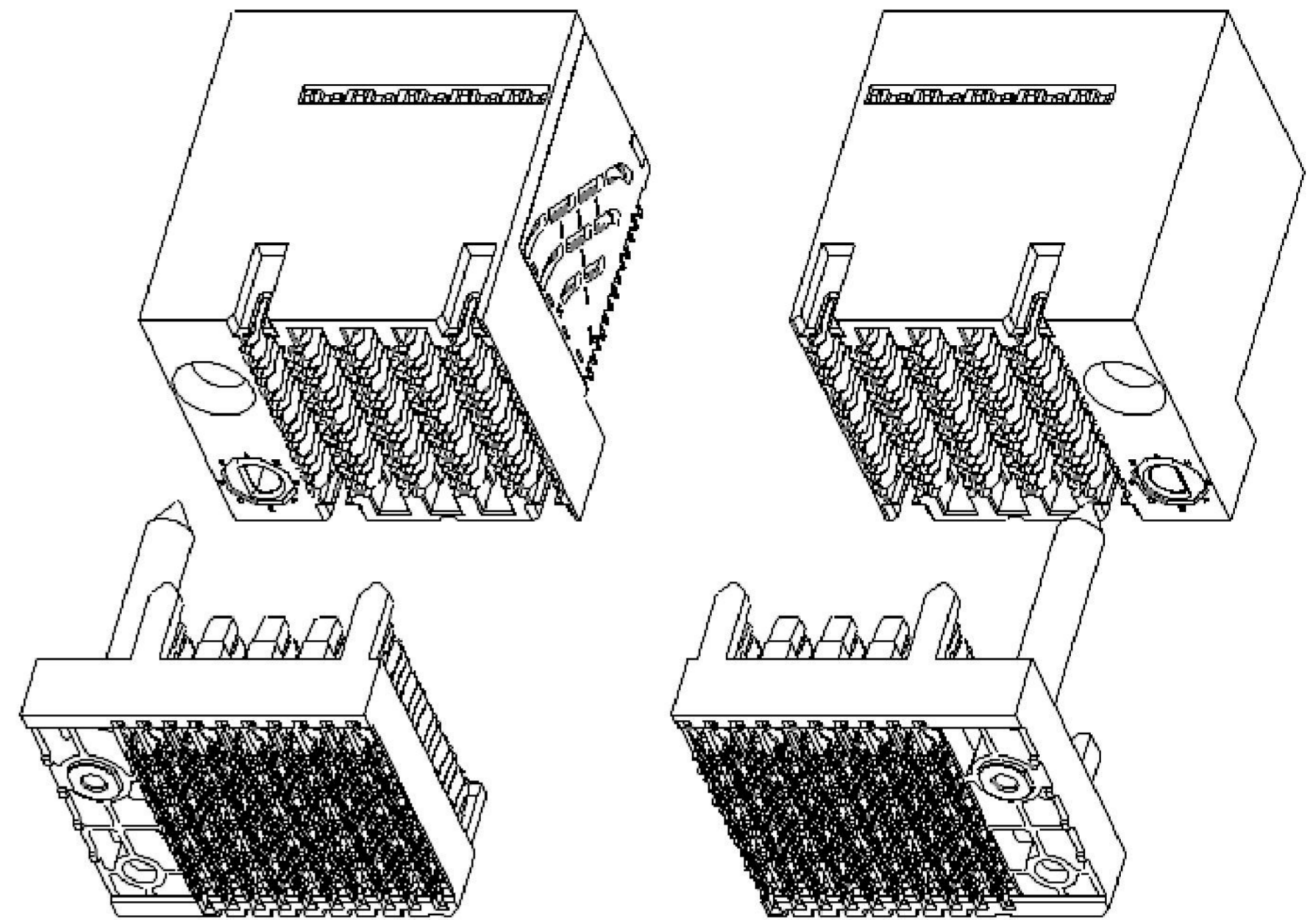
Copyright FCI. FCI

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---------------------------------------|---|------------|-----------------|---|-----------------------------|--------|--------|-----------|----------|----------------|-----|---|-------------|--|----------|--|---|--|------------------------|--|----------------|--|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 1:1 | | | | | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 |  | ←→ | ecn no | - | rel level | Released | | | | | | | | | | | | | |
| ASME Y14.5M | | chr | - | - | | | | | | | | | | | | | | | | | | | |
| surface | | appr | Jim Swain | 2015/09/22 | | | | | | | product family | - | | | | | | | | | | | |
| linear | 0.X ±.3 |  | | title | | ExaMAX R.A. RECEPTACLE ASSY | | dwg no | | 10123159 | | rev | A | | | | | | | | | | |
| | 0.XX ±.10 | | | | | | | | | | | | | www.fci.com | | cat. no. | | - | | Product - Customer Drw | | sheet 10 of 11 | |
| | 0.XXX ±.050 | | | | | | | | | | | | | | | | | | | | | | |
| angular | 0° ±° | PDS: Rev :A | | STATUS:Released | | Printed: Sep 23, 2015 | | | | | | | | | | | | | | | | | |

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, 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, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS IS 2.0 mm FOR THIS RAR AND THE MATING HEADER. REFER TO THE APPLICATION SPECIFICATION FOR DETAILS.
- 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 ANTI-PADS, 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 OR AN ADVANCED MATE RIGHT-ANGLE HEADER 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 A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT-ANGLE HEADER 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 OR AN ADVANCED MATE RIGHT-ANGLE HEADER WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75 mm 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 MUST 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.
- ⑰ - LEFT / RIGHT INTEGRATED GUIDE ORIENTATION IS DETERMINED BY THE LOCATION OF THE GUIDE FEATURES WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGLE RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGLE RECEPTACLE THAT IT MATES WITH (i.e. A RIGHT GUIDE VERTICAL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE.)
- ⑱ - ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED.



LEFT GUIDE

RIGHT GUIDE

**ExaMAX INTEGRATED GUIDE ORIENTATION
4 PAIR 10 IMLA CONNECTORS SHOWN FOR REFERENCE ONLY
SEE NOTE 17**

| | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|--------|------------|------------|------------|------|--------|----|-----------|----------|-----------|------------|----------------|--------|--|---|--|--------------------|----------|--|--|
| spec ref | SEE NOTES | dr | Stu Stoner | 2012/1/09 | projection | MM | size | A2 | scale | 6:1 | | | | | | | | | | | |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | D Johnescu | 2015/09/23 | | | ecn no | - | rel level | Released | | | | | | | | | | | |
| ASME Y14.5M | | chr | - | app | | | | | | | Jim Swain | 2015/09/22 | product family | ExaMAX | | | | | | | |
| 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 ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm | | dwg no 10123159 | rev A | www.fci.com cat. no. SEE TABLE Product - Customer Drw sheet 11 of 11 | |
| linear | 0.X | ±.3 | | | | | | | | | | | | | | | | | | | |
| | 0.XX | ±.10 | | | | | | | | | | | | | | | | | | | |
| | 0.XXX | ±.050 | | | | | | | | | | | | | | | | | | | |
| angular | 0° | ±° | | | | | | | | | | | | | | | | | | | |