

PRODUCT NUMBER  
SEE TABLE

EVEN COLUMN  
CONTACT ROW ID

ODD COLUMN  
CONTACT ROW ID  
ODD & EVEN COLUMNS  
ARE OFFSET

6X 3.6  
SIGNAL  
CENTERS

6X 1  
SIG PAIR  
CENTERS

6X 3.6  
GROUND  
CENTERS

1.3  
ROW A TO  
FIRST SIG

COLUMN ID

6X 1  
SIG PAIR  
CENTERS

6X 3.6  
GROUND  
CENTERS

6X 3.6  
SIGNAL  
CENTERS

1.3

ROW A TO  
FIRST GND

10123159-101LF  
STANDARD MATE RECEPTACLE  
SCALE 6:1

TOP SURFACE  
OF DCARD

(25.10)

(4.60)

(35.60)

HOUSING

SEE NOTE 6

IMLA

ORGANIZER

156X 1.40±0.20  
SIGNALS

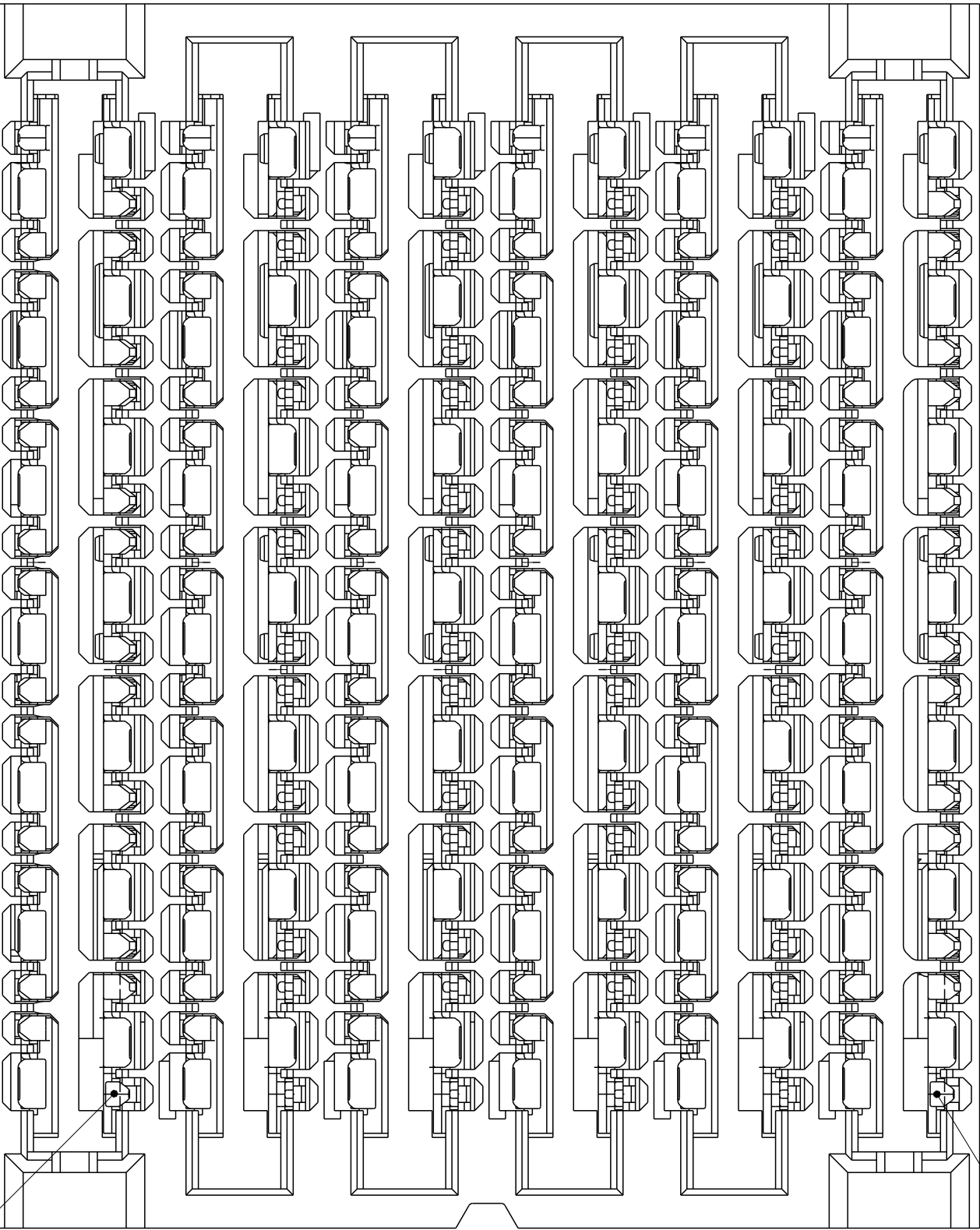
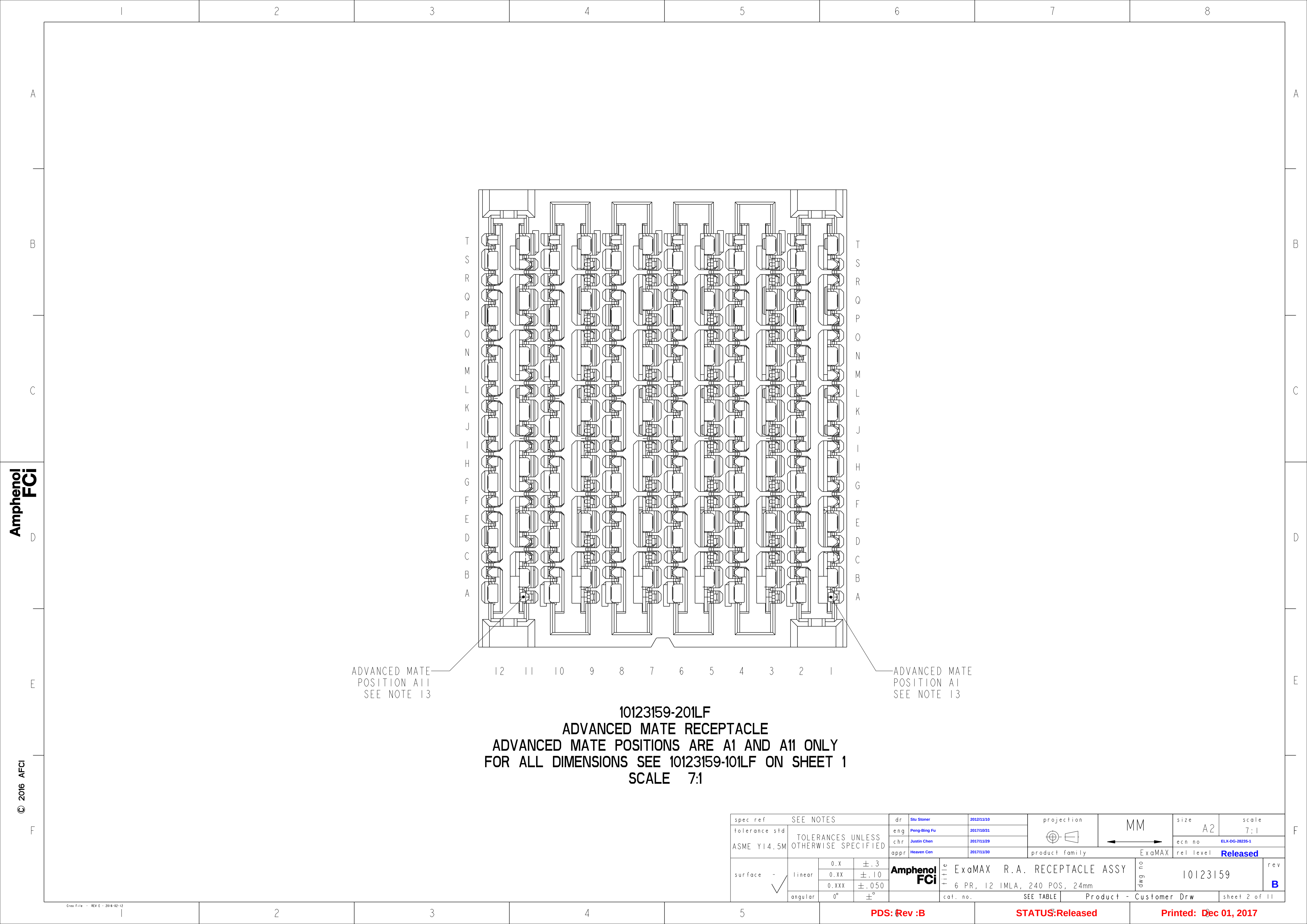
84X 1.60±0.20  
GROUNDS  
SEE NOTE 18

19X 1.2  
PER COLUMN

9.00  
Ø OF ODD COLUMNS

9.20  
Ø OF EVEN COLUMNS

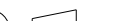
|                                                                                                    |         |                                       |       |                 |              |                                                             |                                                                                                     |                                                 |           |                |       |          |   |
|----------------------------------------------------------------------------------------------------|---------|---------------------------------------|-------|-----------------|--------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------|-----------|----------------|-------|----------|---|
| spec ref                                                                                           |         | SEE NOTES                             |       | dr              | Stu Stoner   | 2012/11/10                                                  | projection<br> | <div>MM</div> <div><div></div><div></div></div> | size      | A2             | scale | 6:1      |   |
| tolerance std                                                                                      |         | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng             | Peng-Bing Fu | 2017/10/31                                                  |                                                                                                     |                                                 | ecn no    | ELX-DG-28235-1 |       |          |   |
| ASME Y14.5M                                                                                        |         |                                       |       | chr             | Justin Chen  | 2017/11/29                                                  |                                                                                                     |                                                 | rel level |                |       | Released |   |
|                                                                                                    |         |                                       |       | appr            | Heaven Cen   | 2017/11/30                                                  | product family                                                                                      |                                                 | ExaMAX    |                |       |          |   |
| surface -<br> | linear  | 0.X                                   | ±.3   | Amphenol<br>FCi | title        | ExaMAX R.A. RECEPTACLE ASSY<br>6 PR, 12 IMLA, 240 POS, 24mm |                                                                                                     |                                                 | dwg no    | 10123159       |       | rev      | B |
|                                                                                                    |         | 0.XX                                  | ±.10  |                 |              |                                                             |                                                                                                     |                                                 |           |                |       |          |   |
|                                                                                                    |         | 0.XXX                                 | ±.050 |                 |              |                                                             |                                                                                                     |                                                 |           |                |       |          |   |
|                                                                                                    | angular | 0°                                    | ±°    |                 | cat. no.     | SEE TABLE                                                   | Product - Customer Drw                                                                              |                                                 |           | sheet 1 of 11  |       |          |   |

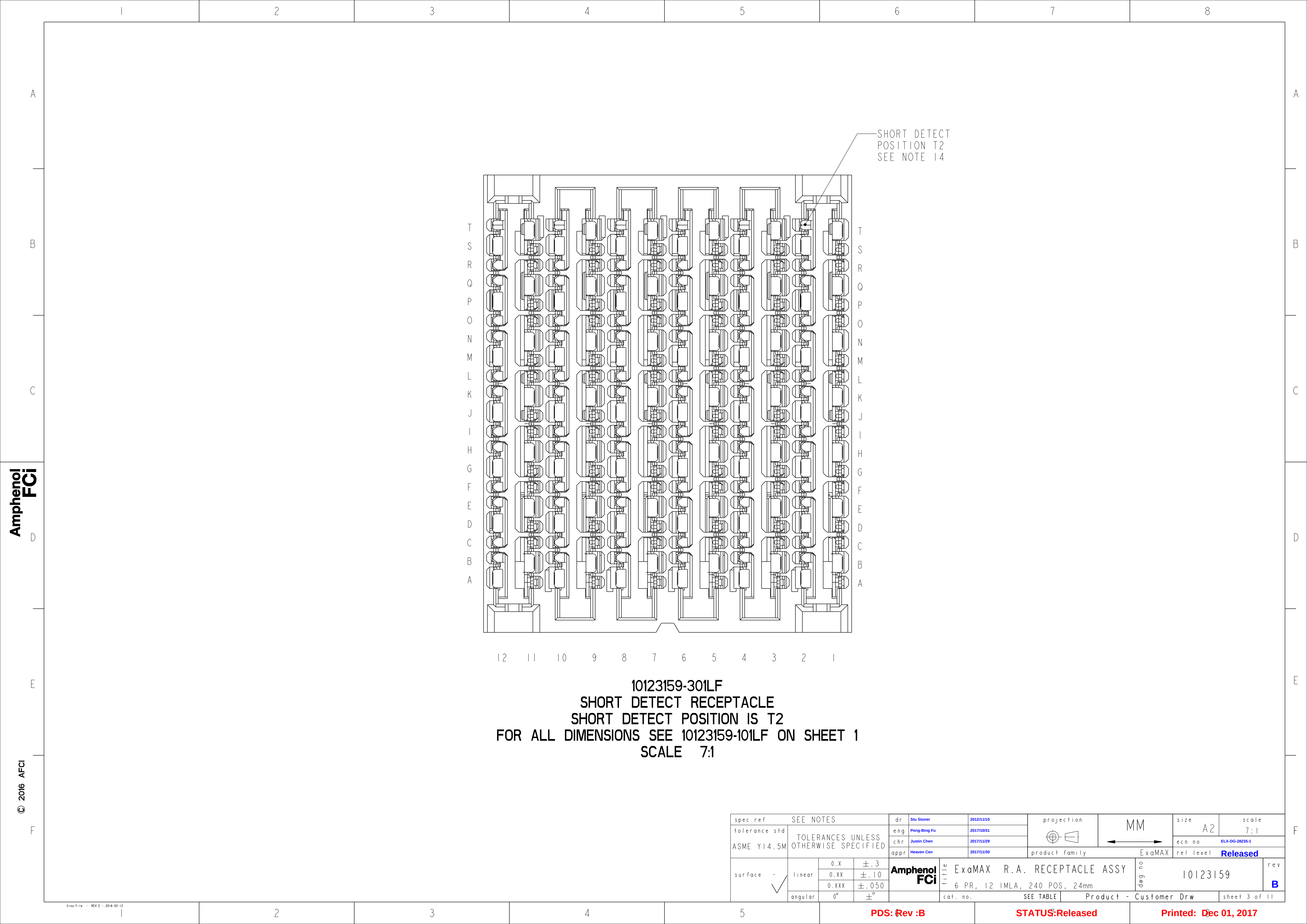


ADVANCED MATE  
POSITION A11  
SEE NOTE 13

ADVANCED MATE  
POSITION A1  
SEE NOTE 13

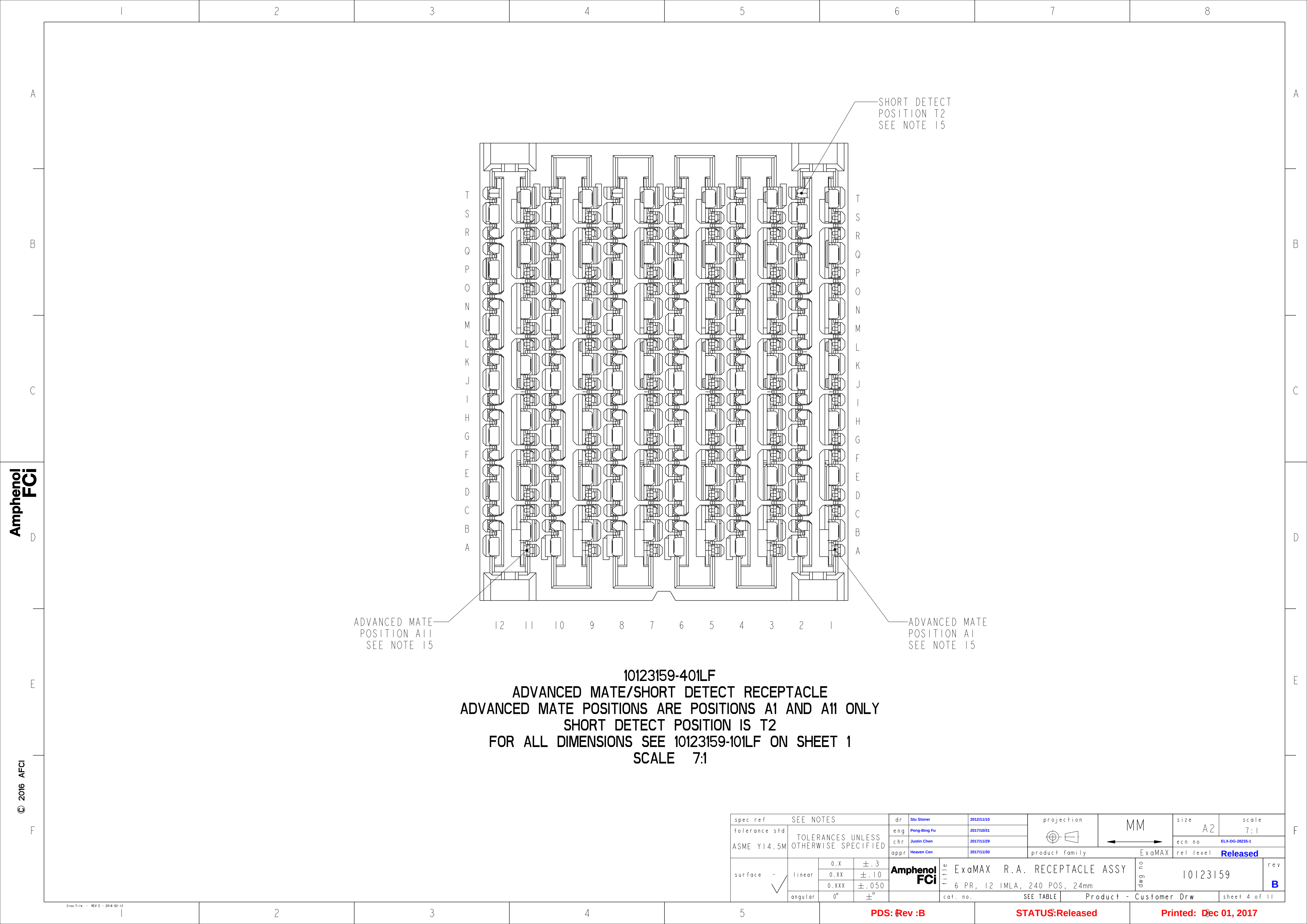
10123159-201LF  
ADVANCED MATE RECEPTACLE  
ADVANCED MATE POSITIONS ARE A1 AND A11 ONLY  
FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1  
SCALE 7:1

|               |  |                                       |  |         |      |       |              |       |            |              |                                                                                       |          |                                                                                       |                             |                |                        |                |          |       |               |     |   |  |
|---------------|--|---------------------------------------|--|---------|------|-------|--------------|-------|------------|--------------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|-----------------------------|----------------|------------------------|----------------|----------|-------|---------------|-----|---|--|
| spec ref      |  | SEE NOTES                             |  |         | dr   |       | Stu Stoner   |       | 2012/11/10 |              | projection                                                                            |          | <div>MM</div>                                                                         |                             | size           |                        | A2             |          | scale |               | 7:1 |   |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |         | eng  |       | Peng-Bing Fu |       | 2017/10/31 |              |  |          |  |                             | ecn no         |                        | ELX-DG-28235-1 |          |       |               |     |   |  |
| ASME Y14.5M   |  |                                       |  |         | chr  |       | Justin Chen  |       | 2017/11/29 |              |                                                                                       |          |                                                                                       |                             | rel level      |                        | Released       |          |       |               |     |   |  |
|               |  |                                       |  |         | appr |       | Heaven Cen   |       | 2017/11/30 |              |                                                                                       |          |                                                                                       |                             | product family |                        | ExaMAX         |          |       |               |     |   |  |
|               |  |                                       |  |         |      |       |              |       |            |              |                                                                                       |          |                                                                                       |                             |                |                        |                |          |       |               |     |   |  |
| surface       |  | -                                     |  | linear  |      | 0.X   |              | ±.3   |            | Amphenol FCI |                                                                                       | title    |                                                                                       | ExaMAX R.A. RECEPTACLE ASSY |                | dwg no                 |                | 10123159 |       | rev           |     | B |  |
|               |  | ✓                                     |  |         |      | 0.XX  |              | ±.10  |            |              |                                                                                       |          |                                                                                       |                             |                |                        |                |          |       |               |     |   |  |
|               |  |                                       |  |         |      | 0.XXX |              | ±.050 |            |              |                                                                                       |          |                                                                                       |                             |                |                        |                |          |       |               |     |   |  |
|               |  |                                       |  |         |      |       |              |       |            |              |                                                                                       |          |                                                                                       |                             |                |                        |                |          |       |               |     |   |  |
|               |  |                                       |  | angular |      | 0°    |              | ±°    |            |              |                                                                                       | cat. no. |                                                                                       | SEE TABLE                   |                | Product - Customer Drw |                |          |       | sheet 2 of 11 |     |   |  |



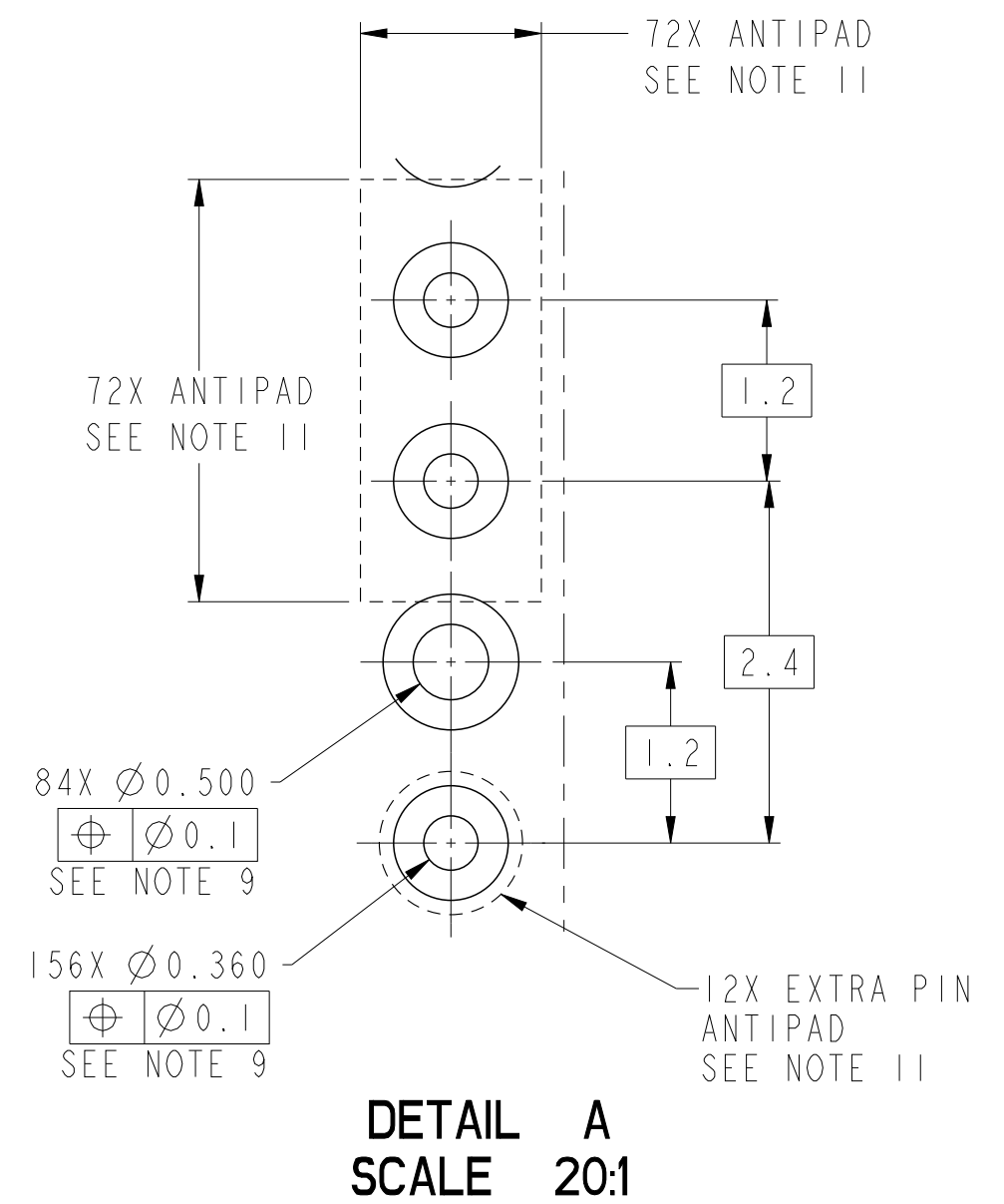
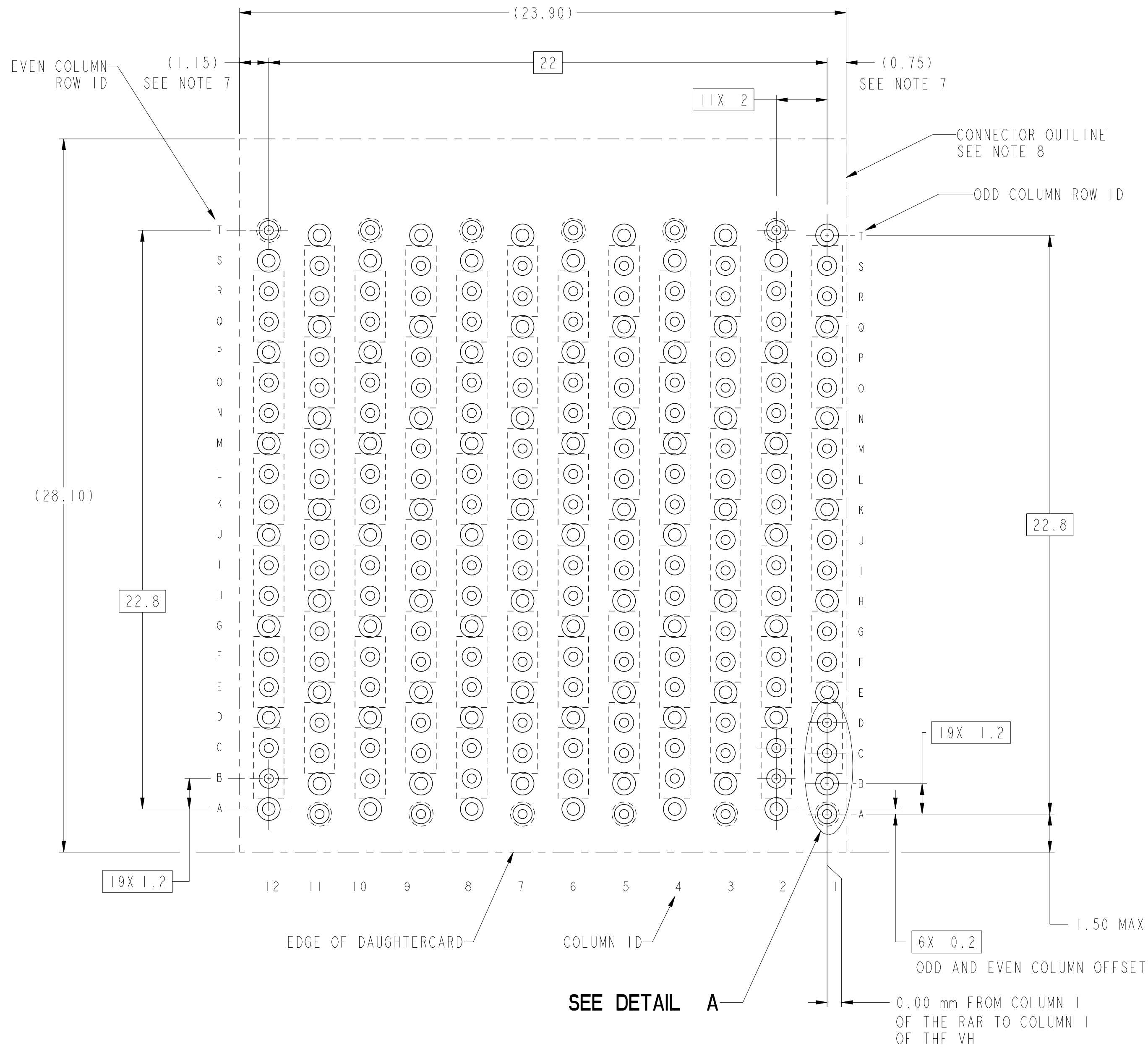
10123159-301LF  
SHORT DETECT RECEPTACLE  
SHORT DETECT POSITION IS T2  
FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1  
SCALE 7:1

|               |  |                                       |  |        |      |       |              |     |            |                 |            |          |               |                             |                |                        |                |               |       |     |     |   |  |
|---------------|--|---------------------------------------|--|--------|------|-------|--------------|-----|------------|-----------------|------------|----------|---------------|-----------------------------|----------------|------------------------|----------------|---------------|-------|-----|-----|---|--|
| spec ref      |  | SEE NOTES                             |  |        | dr   |       | Stu Stoner   |     | 2012/11/10 |                 | projection |          | <div>MM</div> |                             | size           |                        | A2             |               | scale |     | 7:1 |   |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |        | eng  |       | Peng-Bing Fu |     | 2017/10/31 |                 |            |          |               |                             | ecn no         |                        | ELX-DG-28235-1 |               |       |     |     |   |  |
| ASME Y14.5M   |  |                                       |  |        | chr  |       | Justin Chen  |     | 2017/11/29 |                 |            |          |               |                             | rel level      |                        | Released       |               |       |     |     |   |  |
|               |  |                                       |  |        | appr |       | Heaven Cen   |     | 2017/11/30 |                 |            |          |               |                             | product family |                        | ExaMAX         |               |       |     |     |   |  |
|               |  |                                       |  |        |      |       |              |     |            |                 |            |          |               |                             |                |                        |                |               |       |     |     |   |  |
| surface       |  | -                                     |  | linear |      | 0.X   |              | ±.3 |            | Amphenol<br>FCi |            | title    |               | ExaMAX R.A. RECEPTACLE ASSY |                | dwg no                 |                | 10123159      |       | rev |     | B |  |
|               |  | ✓                                     |  | 0.XX   |      | ±.10  |              |     |            |                 |            |          |               |                             |                |                        |                |               |       |     |     |   |  |
|               |  |                                       |  | 0.XXX  |      | ±.050 |              |     |            |                 |            |          |               |                             |                |                        |                |               |       |     |     |   |  |
|               |  | angular                               |  | 0°     |      | ±°    |              |     |            |                 |            |          |               |                             |                |                        |                |               |       |     |     |   |  |
|               |  |                                       |  |        |      |       |              |     |            |                 |            | cat. no. |               | SEE TABLE                   |                | Product - Customer Drw |                | sheet 3 of 11 |       |     |     |   |  |



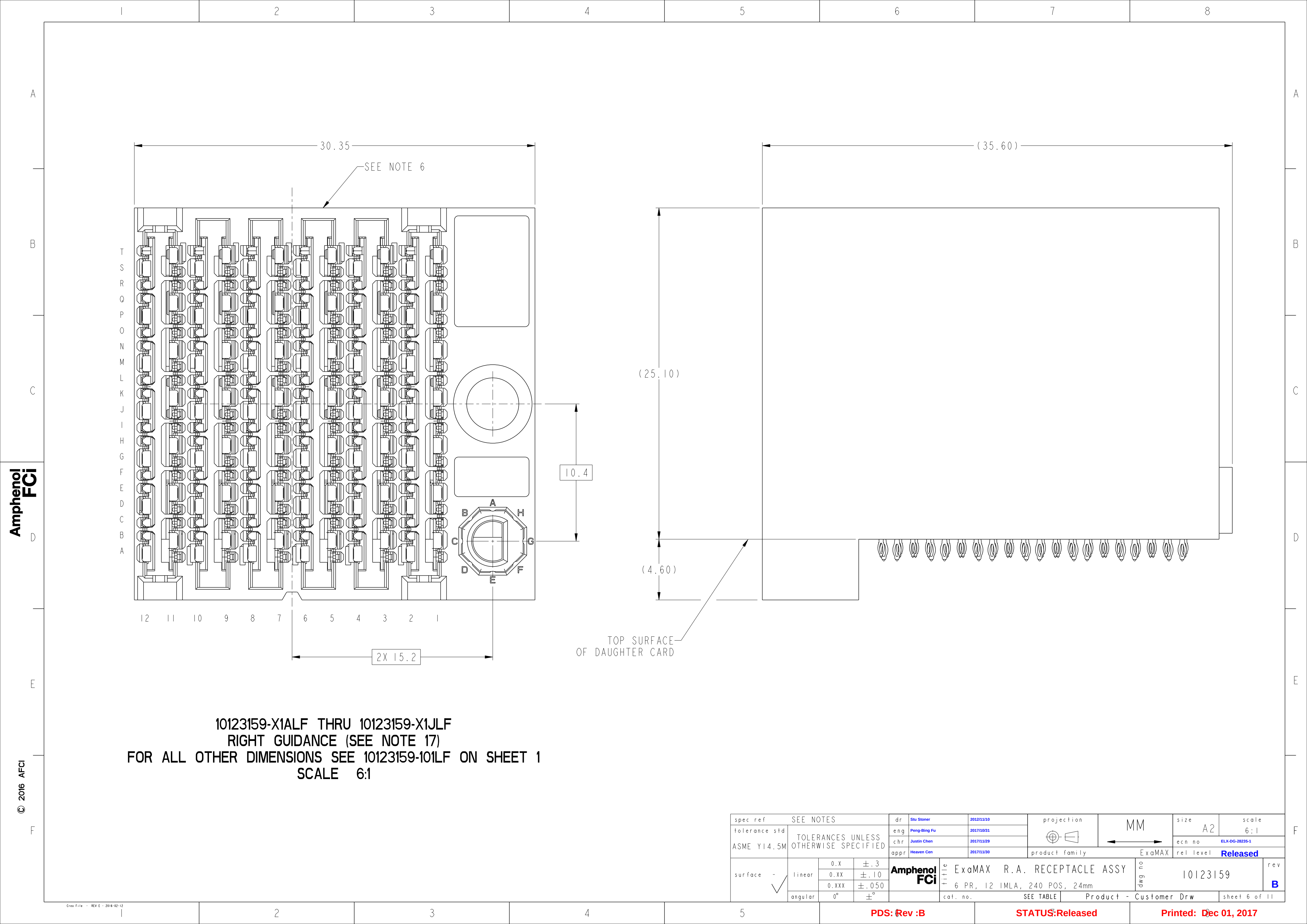
10123159-401LF  
ADVANCED MATE/SHORT DETECT RECEPTACLE  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY  
SHORT DETECT POSITION IS T2  
FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1  
SCALE 7:1

|               |                                       |       |       |          |              |                                                             |                        |  |            |              |                |           |          |     |   |
|---------------|---------------------------------------|-------|-------|----------|--------------|-------------------------------------------------------------|------------------------|--|------------|--------------|----------------|-----------|----------|-----|---|
| spec ref      | SEE NOTES                             |       |       | dr       | Stu Stoner   | 2012/11/10                                                  |                        |  | size<br>A2 | scale<br>7:1 |                |           |          |     |   |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng      | Peng-Bing Fu | 2017/10/31                                                  |                        |  |            |              |                |           |          |     |   |
| ASME Y14.5M   |                                       |       |       | chr      | Justin Chen  | 2017/11/29                                                  |                        |  |            |              |                |           |          |     |   |
|               |                                       |       |       | appr     | Heaven Cen   | 2017/11/30                                                  | product family         |  | ExaMAX     | ecn no       | ELX-DG-28235-1 | rel level | Released |     |   |
| surface -<br> | linear                                | 0.X   | ±.3   |          | title        | ExaMAX R.A. RECEPTACLE ASSY<br>6 PR, 12 IMLA, 240 POS, 24mm |                        |  |            |              | dwg no         | 10123159  |          | rev | B |
|               |                                       | 0.XX  | ±.10  |          |              |                                                             |                        |  |            |              |                |           |          |     |   |
|               |                                       | 0.XXX | ±.050 |          |              |                                                             |                        |  |            |              |                |           |          |     |   |
|               | angular                               | 0°    | ±°    | cat. no. |              | SEE TABLE                                                   | Product - Customer Drw |  |            |              | sheet 4 of 11  |           |          |     |   |



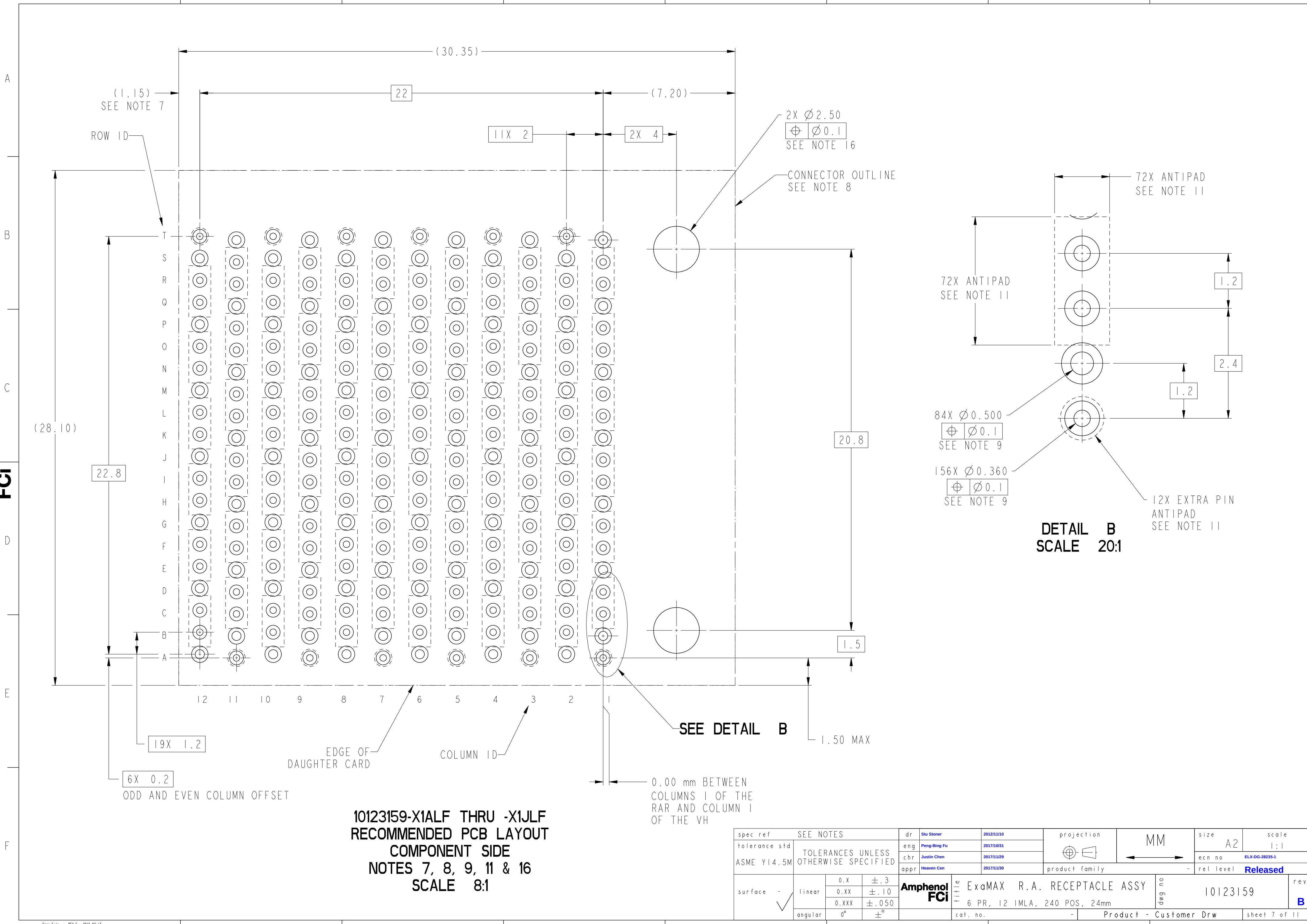
10123159-X01  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, & 11  
SCALE 8:1

|                                                                                                       |                                       |       |       |                 |            |                                                                                                     |                                                                                             |              |                |       |          |
|-------------------------------------------------------------------------------------------------------|---------------------------------------|-------|-------|-----------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------|----------------|-------|----------|
| spec ref                                                                                              | SEE NOTES                             |       | dr    | Stu Stoner      | 2012/11/10 | projection<br> | MM<br> | size         | A2             | scale | 8:1      |
| tolerance std                                                                                         | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng   | Peng-Bing Fu    | 2017/10/01 |                                                                                                     |                                                                                             | ecn no       | ELX-DG-28235-1 |       |          |
| ASME Y14.5M                                                                                           |                                       |       | chr   | Justin Chen     | 2017/11/29 |                                                                                                     |                                                                                             | rel level    | Released       |       |          |
| surface<br>-<br> | linear                                | 0.X   | ±.3   | Amphenol<br>FCI | title      | ExaMAX R.A. RECEPTACLE ASSY<br>6 PR, 12 IMLA, 240 POS, 24mm                                         |                                                                                             | dwg no       | 10123159       |       | rev<br>B |
|                                                                                                       |                                       | 0.XX  | ±.10  |                 |            |                                                                                                     |                                                                                             |              |                |       |          |
|                                                                                                       |                                       | 0.XXX | ±.050 |                 |            |                                                                                                     |                                                                                             |              |                |       |          |
|                                                                                                       | angular                               | 0°    | ±     |                 | 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      |  | 2012/11/10 |  | projection                                                  |  | <div>MM</div>          |  | size           |  | A2             |  | scale  |  | 6:1           |  |     |  |   |  |
| tolerance std             |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |         |  | eng   |  | Peng-Bing Fu    |  | 2017/10/31 |  |                                                             |  |                        |  | ecn no         |  | ELX-DG-28235-1 |  |        |  |               |  |     |  |   |  |
| ASME Y14.5M               |  |                                       |  |         |  | chr   |  | Justin Chen     |  | 2017/11/29 |  |                                                             |  |                        |  | rel level      |  | Released       |  |        |  |               |  |     |  |   |  |
|                           |  |                                       |  |         |  | appr  |  | Heaven Cen      |  | 2017/11/30 |  |                                                             |  |                        |  | product family |  | ExaMAX         |  |        |  |               |  |     |  |   |  |
| surface -<br><div>✓</div> |  | linear                                |  | 0.X     |  | ±.3   |  | Amphenol<br>FCI |  | title      |  | ExaMAX R.A. RECEPTACLE ASSY<br>6 PR, 12 IMLA, 240 POS, 24mm |  |                        |  |                |  |                |  | dwg no |  | 10123159      |  | rev |  | B |  |
|                           |  |                                       |  | 0.XX    |  | ±.10  |  |                 |  |            |  |                                                             |  |                        |  |                |  |                |  |        |  |               |  |     |  |   |  |
|                           |  |                                       |  | 0.XXX   |  | ±.050 |  |                 |  |            |  |                                                             |  |                        |  |                |  |                |  |        |  |               |  |     |  |   |  |
|                           |  |                                       |  | angular |  | 0°    |  |                 |  |            |  |                                                             |  |                        |  |                |  |                |  |        |  |               |  |     |  |   |  |
|                           |  |                                       |  |         |  |       |  |                 |  | cat. no.   |  | SEE TABLE                                                   |  | Product - Customer Drw |  |                |  |                |  |        |  | sheet 6 of 11 |  |     |  |   |  |



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   |     | 2012/11/10 |                 | projection |          | MM |                             | size           |                        | A2             |          | scale |               | 1:1 |   |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |        | eng  |       | Peng-Bing Fu |     | 2017/10/31 |                 |            |          |    |                             | ecn no         |                        | ELX-DG-28235-1 |          |       |               |     |   |  |
| ASME Y14.5M   |  |                                       |  |        | chr  |       | Justin Chen  |     | 2017/11/29 |                 |            |          |    |                             | rel level      |                        | Released       |          |       |               |     |   |  |
|               |  |                                       |  |        | appr |       | Heaven Cen   |     | 2017/11/30 |                 |            |          |    |                             | product family |                        |                |          |       |               |     |   |  |
| surface       |  | -<br>                                 |  | linear |      | 0.X   |              | ±.3 |            | Amphenol<br>FCI |            | title    |    | ExaMAX R.A. RECEPTACLE ASSY |                | dwg no                 |                | 10123159 |       | rev           |     | B |  |
|               |  |                                       |  | 0.XX   |      | ±.10  |              |     |            |                 |            |          |    |                             |                |                        |                |          |       |               |     |   |  |
|               |  |                                       |  | 0.XXX  |      | ±.050 |              |     |            |                 |            |          |    |                             |                |                        |                |          |       |               |     |   |  |
|               |  | angular                               |  | 0°     |      | ±°    |              |     |            |                 |            | cat. no. |    | -                           |                | Product - Customer Drw |                |          |       | sheet 7 of 11 |     |   |  |

Amphenol  
FCi

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F

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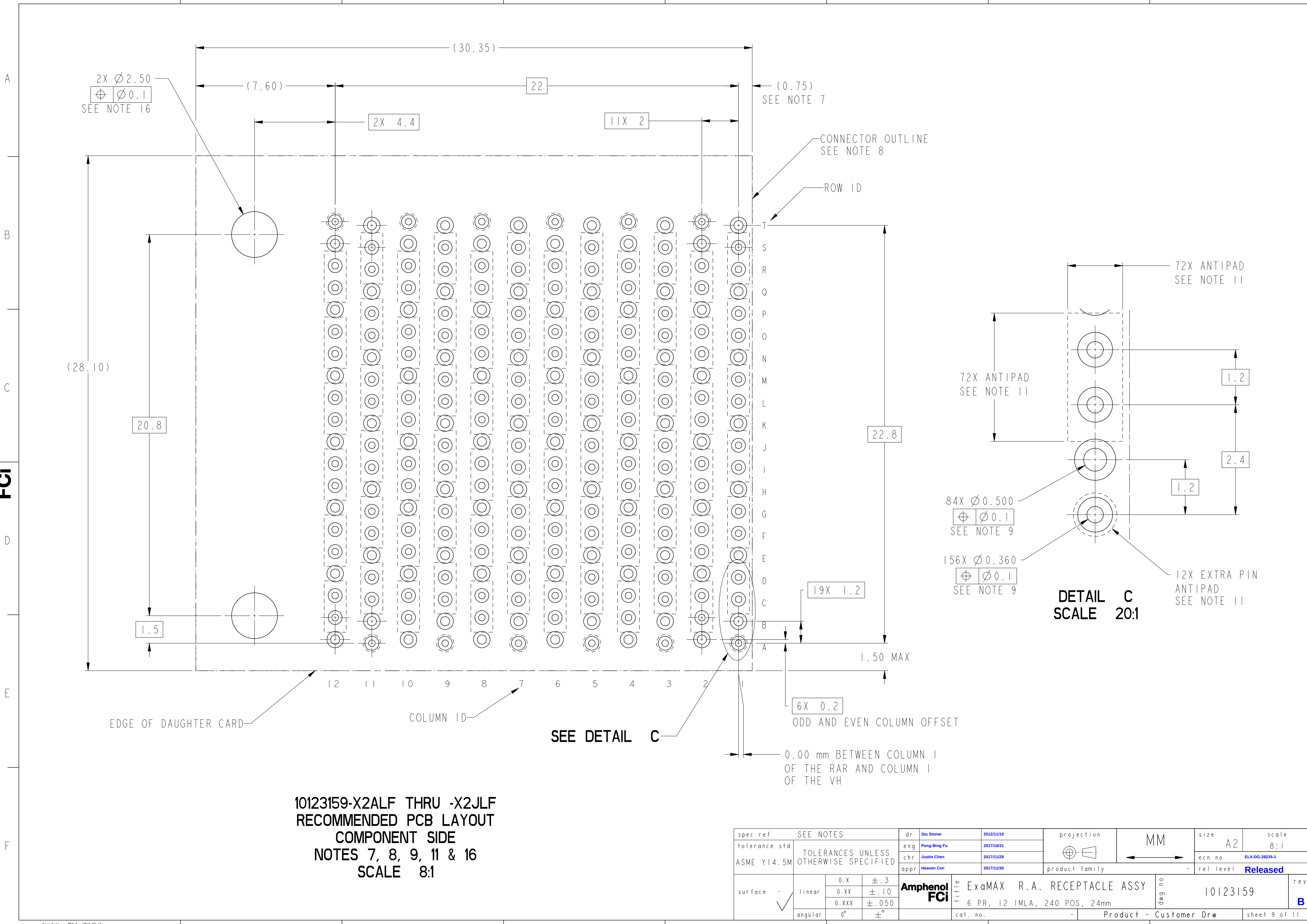
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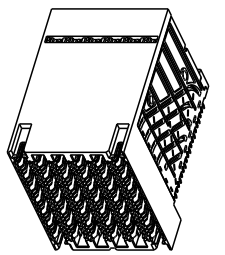
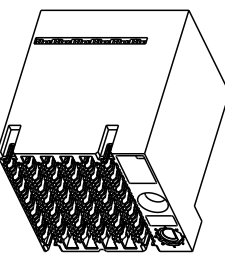
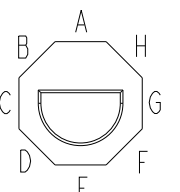
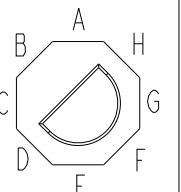
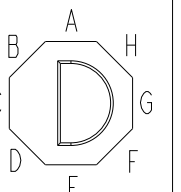
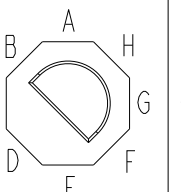
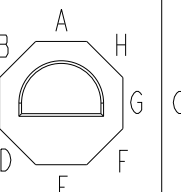
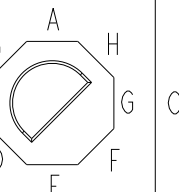
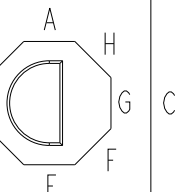
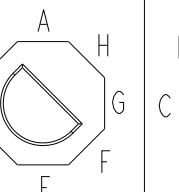
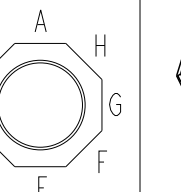
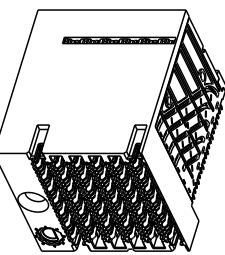
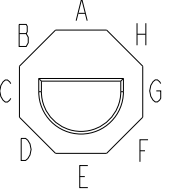
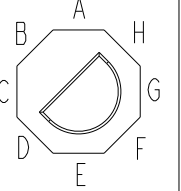
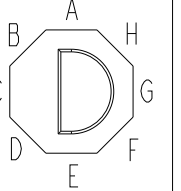
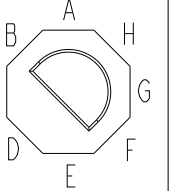
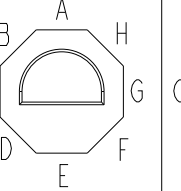
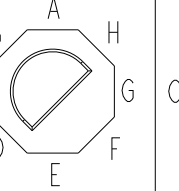
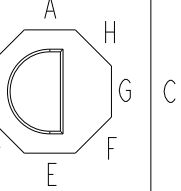
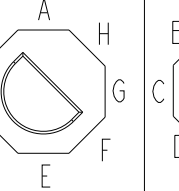
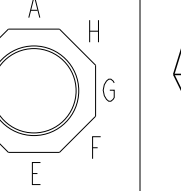


10123159-X2ALF THRU -X2JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 8:1

|                                                                                                       |                                       |       |       |                 |              |                                                             |                                                                                                     |                                                                                             |           |                |               |          |
|-------------------------------------------------------------------------------------------------------|---------------------------------------|-------|-------|-----------------|--------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|----------------|---------------|----------|
| spec ref                                                                                              | SEE NOTES                             |       |       | dr              | Stu Stoner   | 2012/11/10                                                  | projection<br> | MM<br> | size      | A2             | scale         | 8:1      |
| tolerance std                                                                                         | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng             | Peng-Bing Fu | 2017/10/31                                                  |                                                                                                     |                                                                                             | ecn no    | ELX-DG-28235-1 |               |          |
| ASME Y14.5M                                                                                           |                                       |       |       | chr             | Justin Chen  | 2017/11/29                                                  |                                                                                                     |                                                                                             | rel level | Released       |               |          |
|                                                                                                       |                                       |       |       | appr            | Heaven Cen   | 2017/11/30                                                  | product family                                                                                      |                                                                                             | -         |                |               |          |
| surface<br>-<br> | linear                                | 0.X   | ±.3   | Amphenol<br>FCI | title        | ExaMAX R.A. RECEPTACLE ASSY<br>6 PR, 12 IMLA, 240 POS, 24mm |                                                                                                     |                                                                                             | dwg no    | 10123159       |               | rev<br>B |
|                                                                                                       |                                       | 0.XX  | ±.10  |                 |              |                                                             |                                                                                                     |                                                                                             |           |                |               |          |
|                                                                                                       |                                       | 0.XXX | ±.050 |                 |              |                                                             |                                                                                                     |                                                                                             |           |                |               |          |
|                                                                                                       | angular                               | 0°    | ±°    |                 |              | cat. no.                                                    | -                                                                                                   | Product - Customer Drw                                                                      |           |                | sheet 9 of 11 |          |

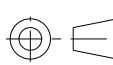
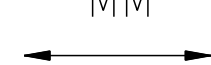
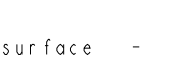
10123159 - Y Y Y L F

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

| MODULE<br>DESCRIPTION                         | DESIGNATION REPRESENTED IN DASH NUMBER                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | BASE<br>MODEL                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| WITHOUT END<br>GUIDES MODULE<br>(SEE SHEET 1) | 01                                                                                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |
| RIGHT<br>GUIDANCE<br>MODULE<br>(SEE SHEET 6)  | 1A                                                                                  | 1B                                                                                  | 1C                                                                                  | 1D                                                                                  | 1E                                                                                  | 1F                                                                                  | 1G                                                                                  | 1H                                                                                  | 1J<br>(NO KEY)                                                                      |  |
|                                               |  |  |  |  |  |  |  |  |  |                                                                                     |
| LEFT<br>GUIDANCE<br>MODULE<br>(SEE SHEET 8)   | 2A                                                                                  | 2B                                                                                  | 2C                                                                                  | 2D                                                                                  | 2E                                                                                  | 2F                                                                                  | 2G                                                                                  | 2H                                                                                  | 2J<br>(NO KEY)                                                                      |  |
|                                               |  |  |  |  |  |  |  |  |  |                                                                                     |

Amphenol  
FCi

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|                                                                                       |                                       |       |       |                                                                                       |       |                             |            |                                                                                       |                                                                                       |        |                |                |     |                |
|---------------------------------------------------------------------------------------|---------------------------------------|-------|-------|---------------------------------------------------------------------------------------|-------|-----------------------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------|----------------|----------------|-----|----------------|
| spec ref                                                                              | SEE NOTES                             |       |       |                                                                                       | dr    | Stu Stoner                  | 2012/11/10 |  |  | size   | A2             | scale          | 1:1 |                |
| tolerance std                                                                         | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       |                                                                                       | eng   | Peng-Bing Fu                | 2017/10/31 |                                                                                       |                                                                                       | ecn no | ELX-DG-28235-1 |                |     |                |
| ASME Y14.5M                                                                           |                                       |       |       |                                                                                       | chr   | Justin Chen                 | 2017/11/29 |                                                                                       |                                                                                       |        |                |                |     |                |
|                                                                                       |                                       |       |       |                                                                                       | appr  | Heaven Cen                  | 2017/11/30 |                                                                                       |                                                                                       |        |                |                |     | product family |
|  | linear                                | 0.X   | ±.3   |  | title | ExaMAX R.A. RECEPTACLE ASSY |            |                                                                                       |                                                                                       | dwg no | 10123159       |                | rev | B              |
|                                                                                       |                                       | 0.XX  | ±.10  |                                                                                       |       |                             |            |                                                                                       |                                                                                       |        |                |                |     |                |
|                                                                                       |                                       | 0.XXX | ±.050 |                                                                                       |       |                             |            |                                                                                       |                                                                                       |        |                |                |     |                |
|                                                                                       | angular                               | 0°    | ±°    |                                                                                       |       | cat. no.                    | -          | Product - Customer Drw                                                                |                                                                                       |        |                | sheet 10 of 11 |     |                |

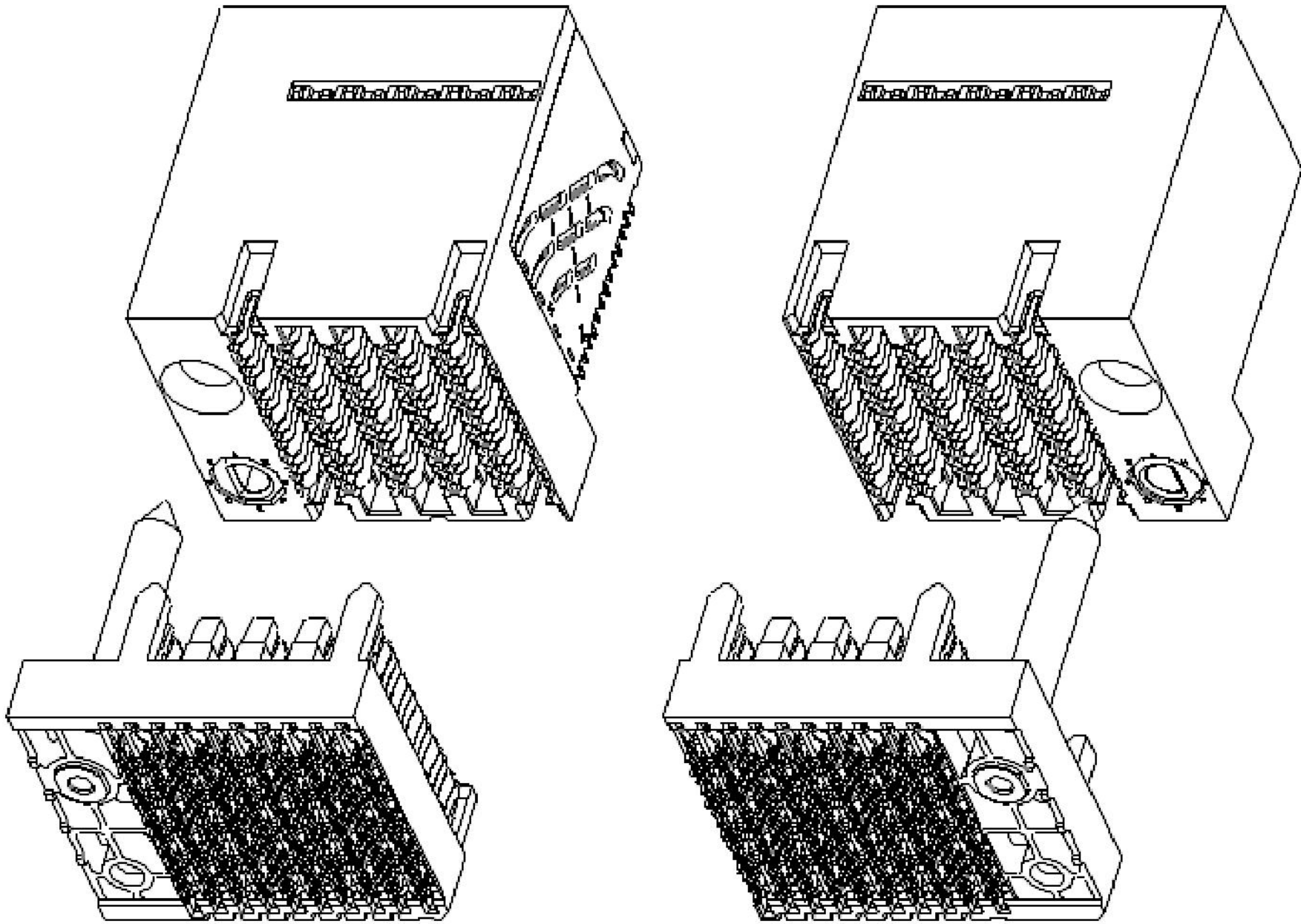
PDS: Rev :B

STATUS:Released

Printed: Dec 01, 2017

NOTES:

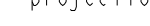
- ①- CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
CONTACT: COPPER ALLOY  
ORGANIZER: HIGH-TEMP THERMOPLASTIC, UL94-V0
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS 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 ROUTING GUIDE GS-20-0511 FOR RECOMMENDATIONS ON OPTIMIZATION OF FOOTPRINT AND TRACE ROUTING LAYOUT.
- 12 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE 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   |                 | 2012/11/10 |       | projection                                                                            |                             |  |                              | MM             |        | size      |          | A2       |     | scale |   | 6:1 |          |
| tolerance std                     |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |            | eng |            | Peng-Bing Fu |                 | 2017/10/31 |       |  |                             | ecn no                                                                                |                              | ELX-DG-28235-1 |        | rel level |          | Released |     |       |   |     |          |
| ASME Y14.5M                       |  |                                       |  |            | chr |            | Justin Chen  |                 | 2017/11/29 |       |                                                                                       |                             |                                                                                       |                              | product family |        |           |          | ExaMAX   |     |       |   |     |          |
|                                   |  | appr                                  |  | Heaven Cen |     | 2017/11/30 |              |                 |            |       |                                                                                       |                             |                                                                                       |                              |                |        |           |          |          |     |       |   |     |          |
| <div>surface -</div> <div>✓</div> |  | linear                                |  | 0.X        |     | ±.3        |              | Amphenol<br>FCi |            | title |                                                                                       | ExaMAX R.A. RECEPTACLE ASSY |                                                                                       | 6 PR, 12 IMLA, 240 POS, 24mm |                | dwg no |           | 10123159 |          | rev |       | B |     |          |
|                                   |  |                                       |  | 0.XX       |     | ±.10       |              |                 |            |       |                                                                                       |                             |                                                                                       |                              |                |        |           |          |          |     |       |   |     |          |
|                                   |  |                                       |  | 0.XXX      |     | ±.050      |              |                 |            |       |                                                                                       |                             |                                                                                       |                              |                |        |           |          |          |     |       |   |     |          |
|                                   |  | angular                               |  | 0°         |     | ±°         |              |                 |            |       |                                                                                       |                             |                                                                                       |                              |                |        |           |          |          |     |       |   |     | cat. no. |

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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