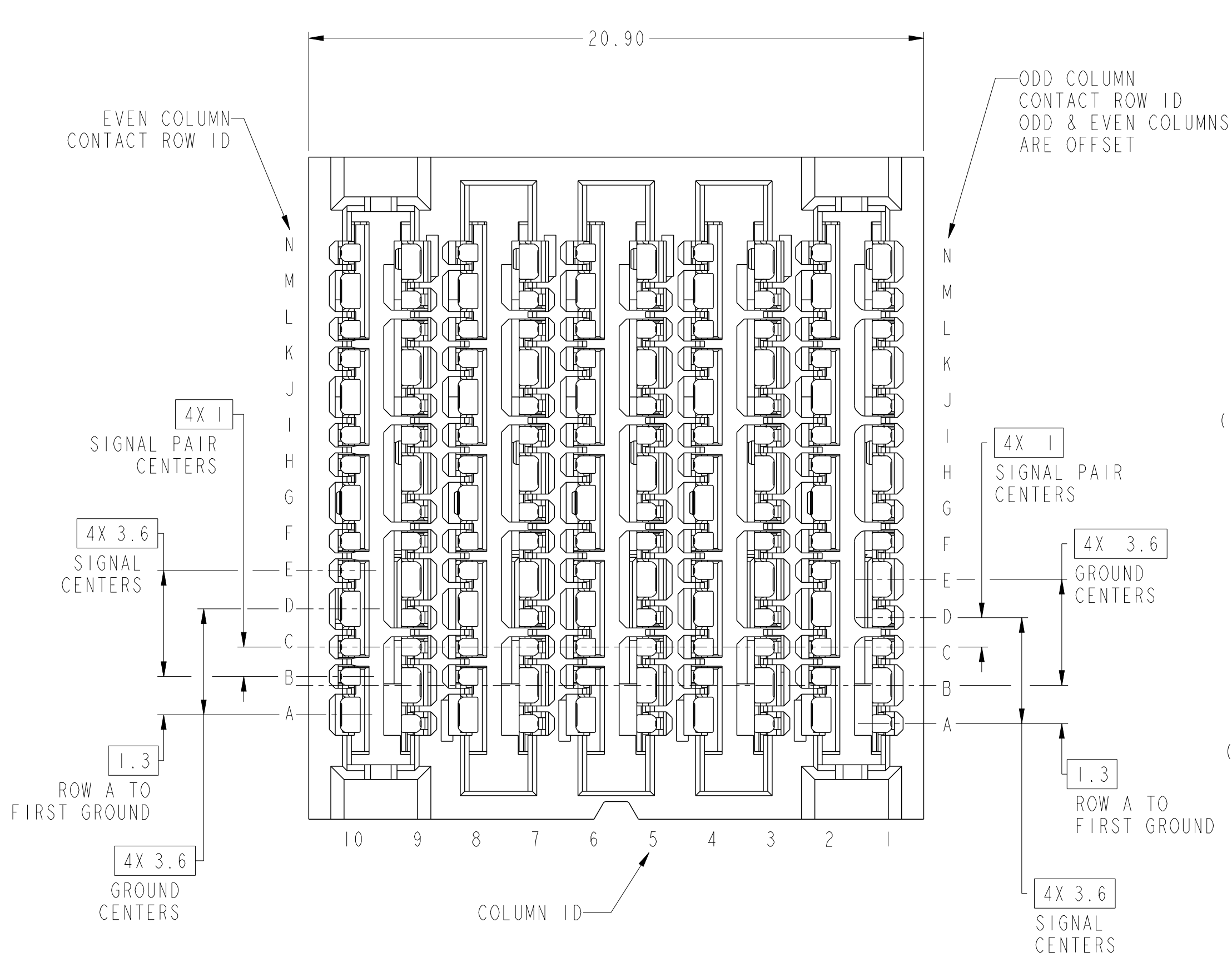
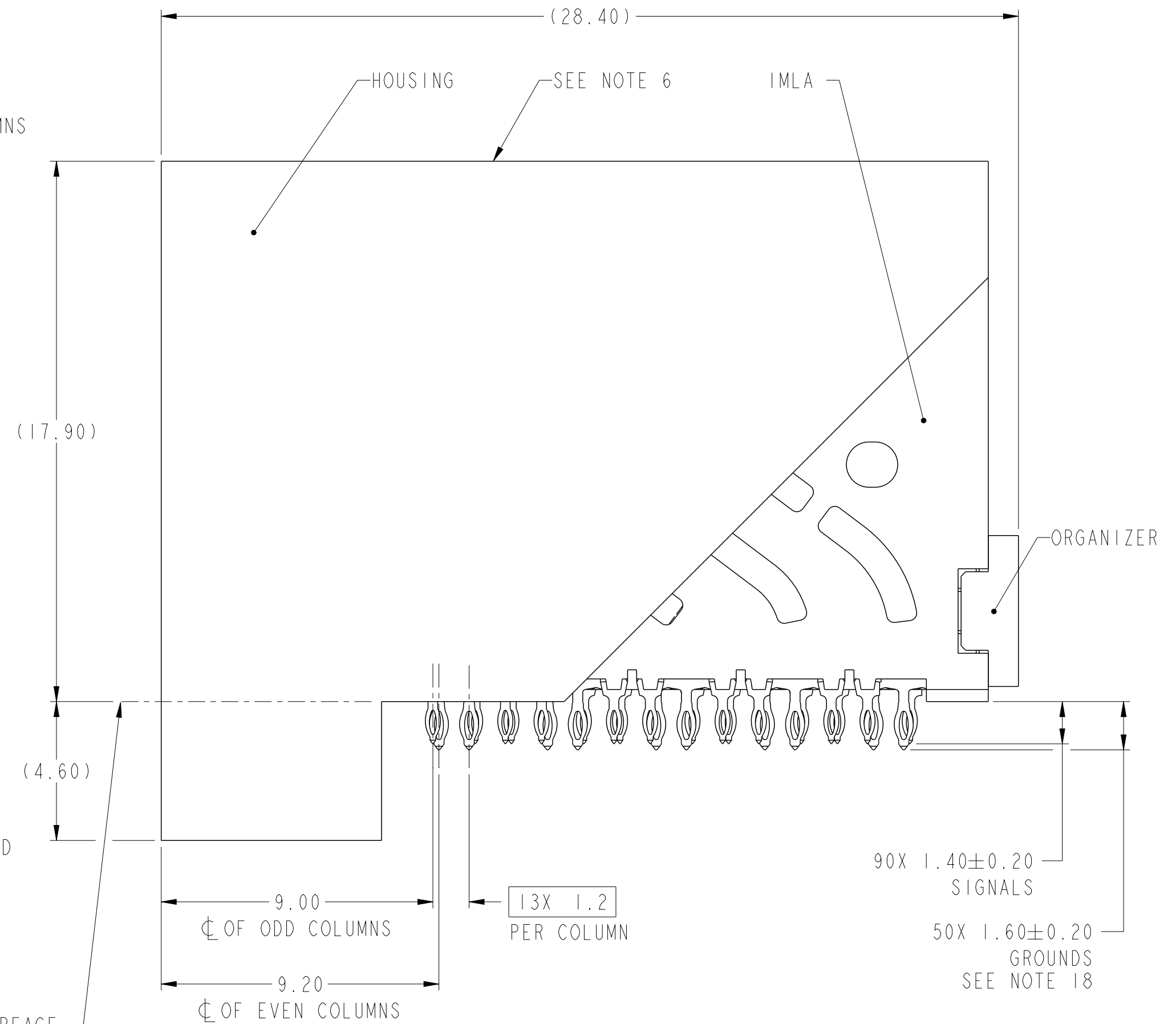


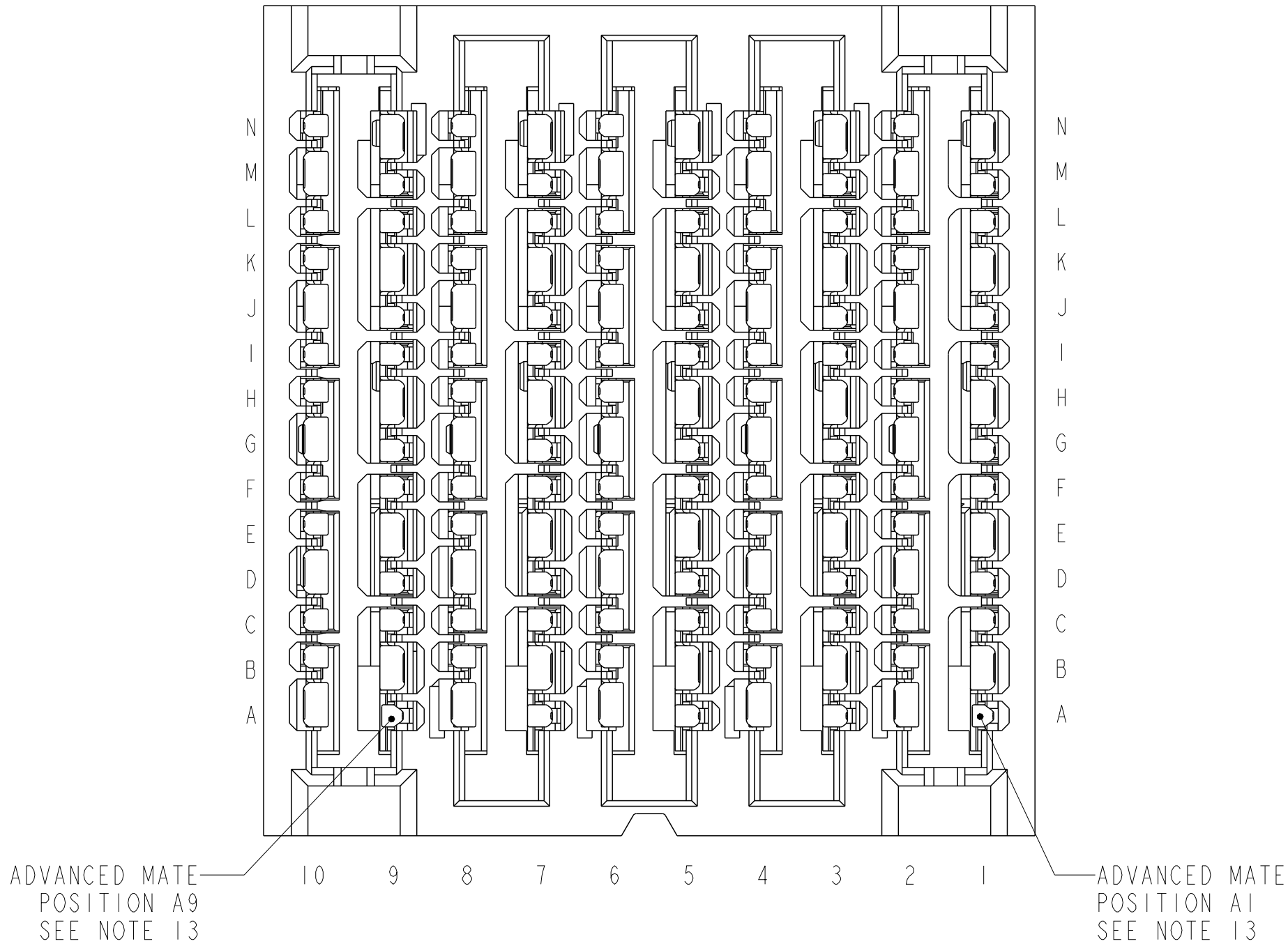
PRODUCT NUMBER  
SEE TABLE



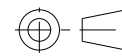
10137004-101LF  
STANDARD MATE RECEPTACLE

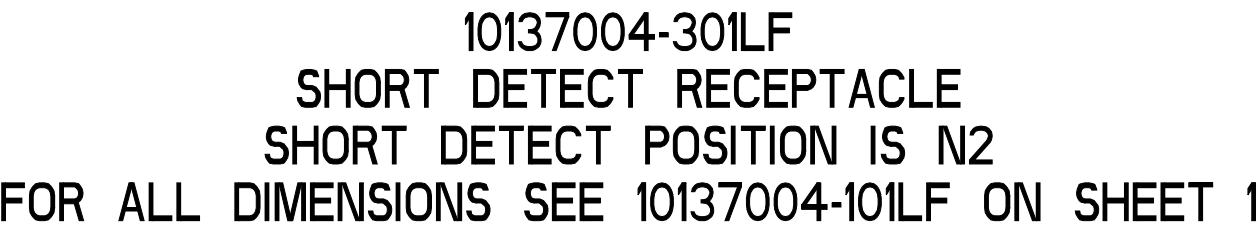


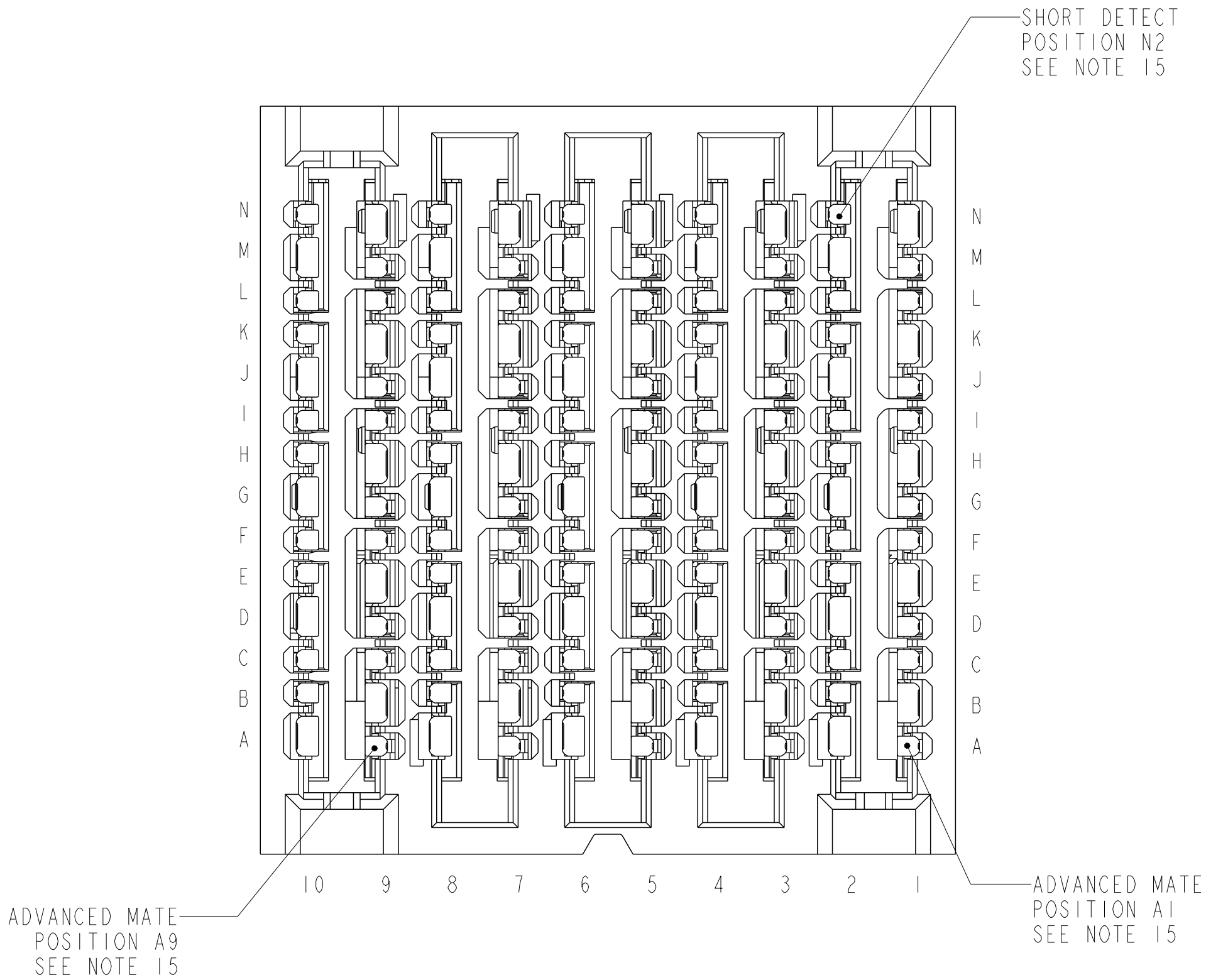
|                                                                                                 |         |                                       |       |                 |                              |            |                                                                                       |                                                                                       |           |                |       |          |
|-------------------------------------------------------------------------------------------------|---------|---------------------------------------|-------|-----------------|------------------------------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|----------------|-------|----------|
| spec ref                                                                                        |         | SEE NOTES                             |       | dr              | Terry Luo                    | 2015/10/08 |  |  | size      | A2             | scale | 7:1      |
| tolerance std                                                                                   |         | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng             | Peng-Bing Fu                 | 2017/11/08 |                                                                                       |                                                                                       | ecn no    | ELX-DG-28221-1 |       |          |
| 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 |            |                                                                                       |                                                                                       | dwg no    | 10137004       |       | rev<br>B |
|                                                                                                 |         | 0.XX                                  | ±.10  |                 |                              |            |                                                                                       |                                                                                       |           |                |       |          |
|                                                                                                 |         | 0.XXX                                 | ±.050 |                 |                              |            |                                                                                       |                                                                                       |           |                |       |          |
|                                                                                                 | angular | 0°                                    | ±°    |                 | cat. no.                     |            | Product - Customer Drw                                                                |                                                                                       |           | sheet 1 of 11  |       |          |



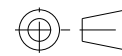
10137004-201LF  
ADVANCED MATE RECEPTACLE  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY  
FOR ALL DIMENSIONS SEE 10137004-101LF ON SHEET 1

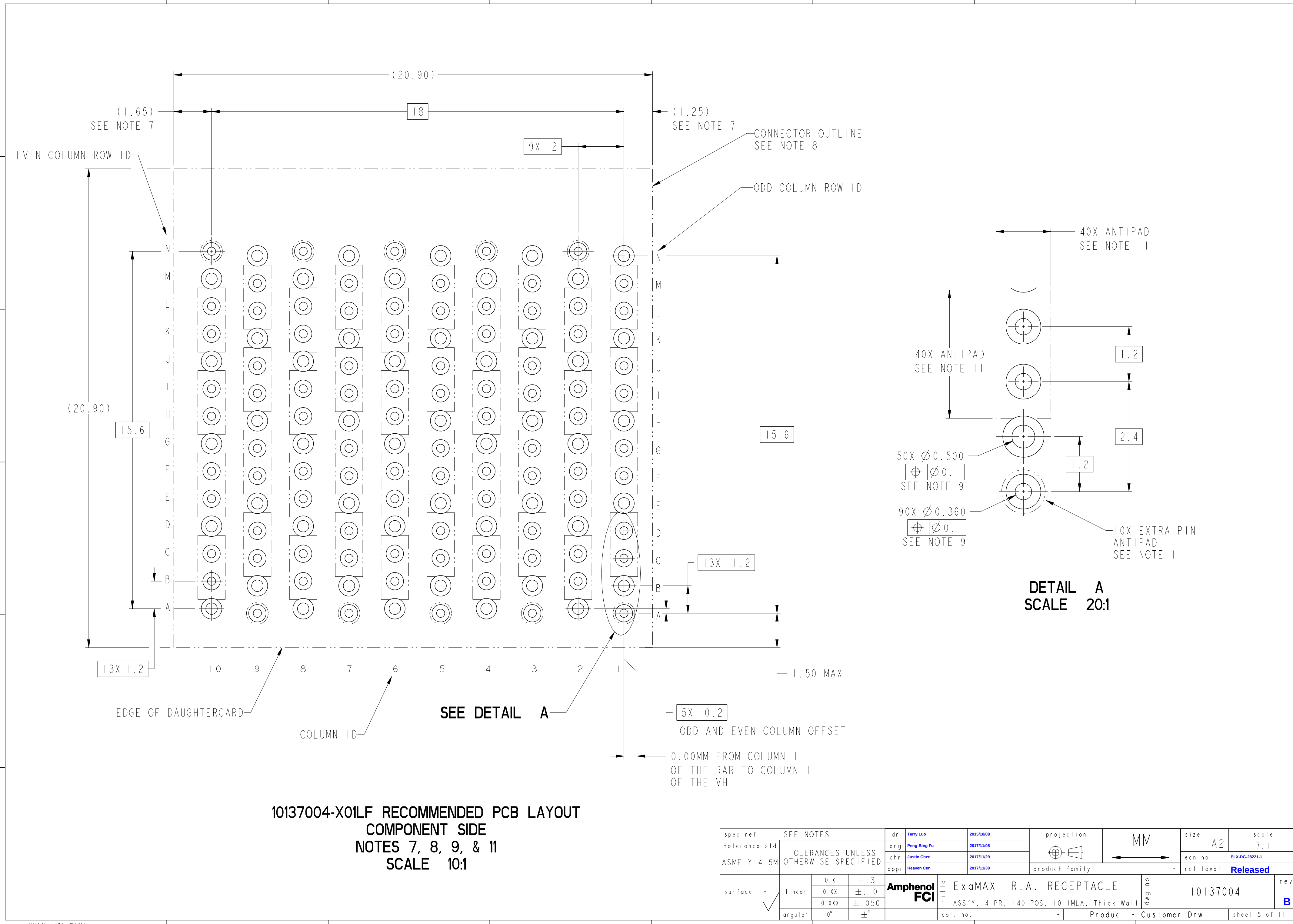
|               |                                       |         |                      |                                           |                         |            |                                                                                                                                      |        |                        |       |     |                |          |        |     |           |
|---------------|---------------------------------------|---------|----------------------|-------------------------------------------|-------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------|-------|-----|----------------|----------|--------|-----|-----------|
| spec ref      | SEE NOTES                             |         |                      | dr                                        | Terry Luo               | 2015/10/08 | <div>projection</div> <div></div> <div>MM</div> | size   | A2                     | scale | 7:1 |                |          |        |     |           |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |                      | eng                                       | Peng-Bing Fu            | 2017/11/08 |                                                                                                                                      | ecn no | ELX-DG-28221-1         |       |     |                |          |        |     |           |
| ASME Y14.5M   |                                       |         |                      | chr                                       | Justin Chen             | 2017/11/29 |                                                                                                                                      |        |                        |       |     |                |          |        |     |           |
|               |                                       |         |                      | appr                                      | Heaven Cen              | 2017/11/30 |                                                                                                                                      |        |                        |       |     | product family |          | ExaMax |     | rel level |
| surface       | -                                     | linear  | 0.X<br>0.XX<br>0.XXX | ±.3<br>±.10<br>±.050                      | <b>Amphenol<br/>FCi</b> | title      |                                                                                                                                      |        | ExaMAX R.A. RECEPTACLE |       |     | dwg no         | 10137004 |        | rev | B         |
|               | ✓                                     | angular | 0°<br>±°             | cat. no.                                  |                         |            |                                                                                                                                      |        |                        |       |     |                |          |        |     |           |
|               |                                       |         |                      | ASS'Y, 4 PR, 140 POS, 10 IMLA, Thick Wall |                         |            |                                                                                                                                      |        |                        |       |     |                |          |        |     |           |

Printed: Dec 01, 2017



10137004-401LF  
ADVANCED MATE/SHORT DETECT RECEPTACLE  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY  
SHORT DETECT POSITION IS N2  
FOR ALL DIMENSIONS SEE 10137004-101LF ON SHEET 1

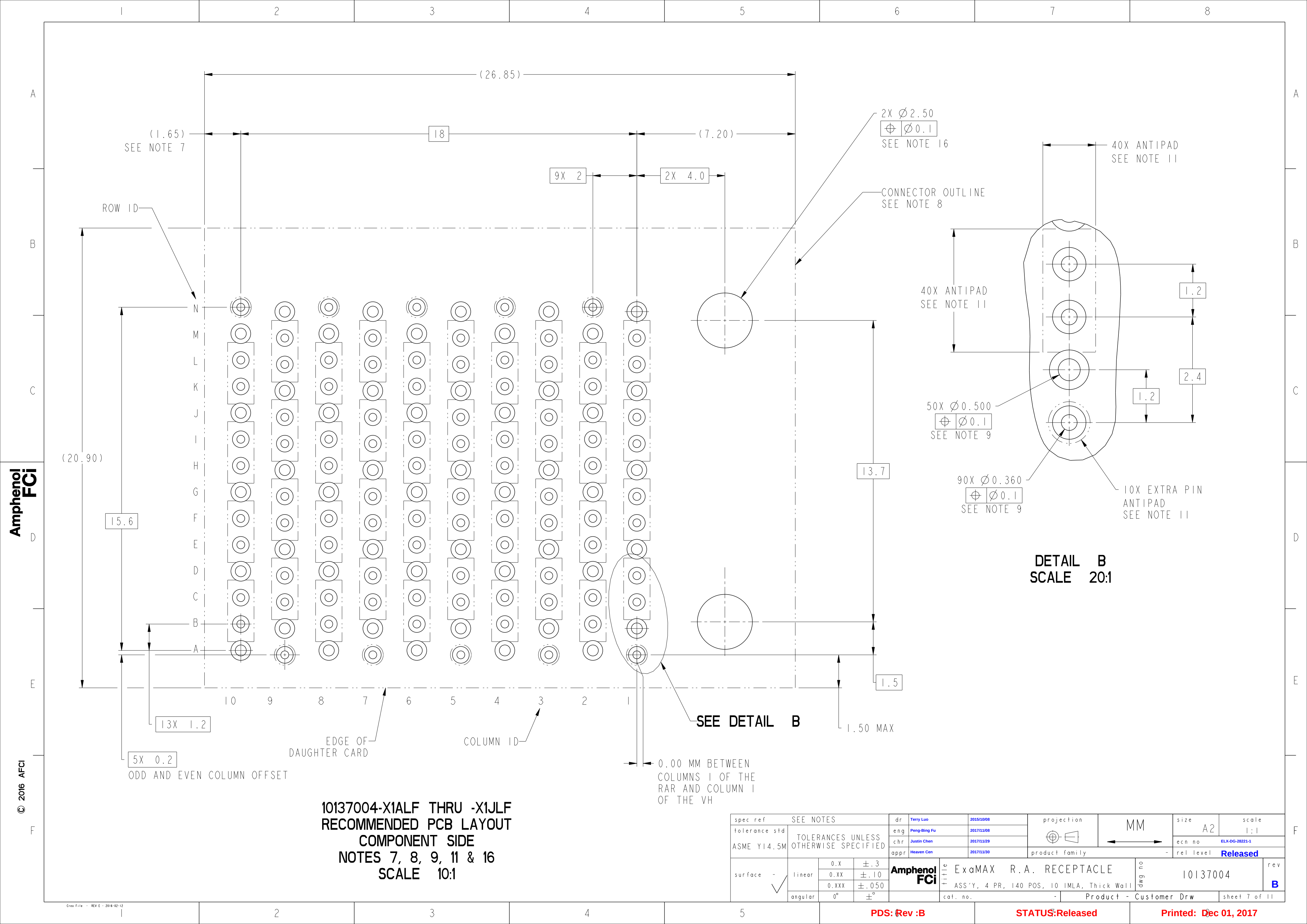
|                           |                                       |       |       |                 |              |                        |                                                                                                                                      |        |                |          |               |                |   |
|---------------------------|---------------------------------------|-------|-------|-----------------|--------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------|----------------|----------|---------------|----------------|---|
| spec ref                  | SEE NOTES                             |       |       | dr              | Terry Luo    | 2015/10/08             | <div>projection</div> <div></div> <div>MM</div> | size   | A2             | scale    | 7:1           |                |   |
| tolerance std             | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng             | Peng-Bing Fu | 2017/11/08             |                                                                                                                                      | ecn no | ELX-DG-28221-1 |          |               |                |   |
| ASME Y14.5M               |                                       |       |       | chr             | Justin Chen  | 2017/11/29             |                                                                                                                                      |        |                |          |               |                |   |
|                           |                                       |       |       | appr            | Heaven Cen   | 2017/11/30             |                                                                                                                                      |        |                |          |               | product family |   |
| surface -<br><div>✓</div> | linear                                | 0.X   | ±.3   | Amphenol<br>FCi | title        | ExaMAX R.A. RECEPTACLE |                                                                                                                                      |        | dwg no         | 10137004 |               | rev            | B |
|                           |                                       | 0.XX  | ±.10  |                 |              |                        |                                                                                                                                      |        |                |          |               |                |   |
|                           |                                       | 0.XXX | ±.050 |                 |              |                        |                                                                                                                                      |        |                |          |               |                |   |
|                           | angular                               | 0°    | ±°    |                 | cat. no.     | Product - Customer Drw |                                                                                                                                      |        |                |          | sheet 4 of 11 |                |   |



10137004-X01LF RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, & 11  
SCALE 10:1

|               |  |                                       |  |              |                  |                                                                           |            |        |            |                        |    |               |                |           |                |  |
|---------------|--|---------------------------------------|--|--------------|------------------|---------------------------------------------------------------------------|------------|--------|------------|------------------------|----|---------------|----------------|-----------|----------------|--|
| spec ref      |  | SEE NOTES                             |  |              | dr Terry Luo     |                                                                           | 2015/10/08 |        | projection |                        | MM |               | size A2        |           | scale 7:1      |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |              | eng Peng-Bing Fu |                                                                           | 2017/11/08 |        |            |                        |    |               | ecn no         |           | ELX-DG-28221-1 |  |
| ASME Y14.5M   |  |                                       |  |              | chr Justin Chen  |                                                                           | 2017/11/29 |        |            |                        |    |               | rel level      |           | Released       |  |
|               |  |                                       |  |              | appr Heaven Cen  |                                                                           | 2017/11/30 |        |            |                        |    |               | product family |           | -              |  |
| surface -     |  | linear                                |  | Amphenol FCI |                  | title ExaMAX R.A. RECEPTACLE<br>ASS'Y, 4 PR, 140 POS, 10 IMLA, Thick Wall |            | dwg no |            | 10137004               |    | rev B         |                |           |                |  |
|               |  |                                       |  |              |                  |                                                                           |            |        |            |                        |    |               |                | 0.X ±.3   |                |  |
|               |  |                                       |  |              |                  |                                                                           |            |        |            |                        |    |               |                | 0.XX ±.10 |                |  |
|               |  | 0.XXX ±.050                           |  |              |                  |                                                                           |            |        |            |                        |    |               |                |           |                |  |
|               |  | angular                               |  | 0° ±°        |                  | cat. no.                                                                  |            | -      |            | Product - Customer Drw |    | sheet 5 of 11 |                |           |                |  |





Amphenol  
FCi

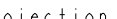
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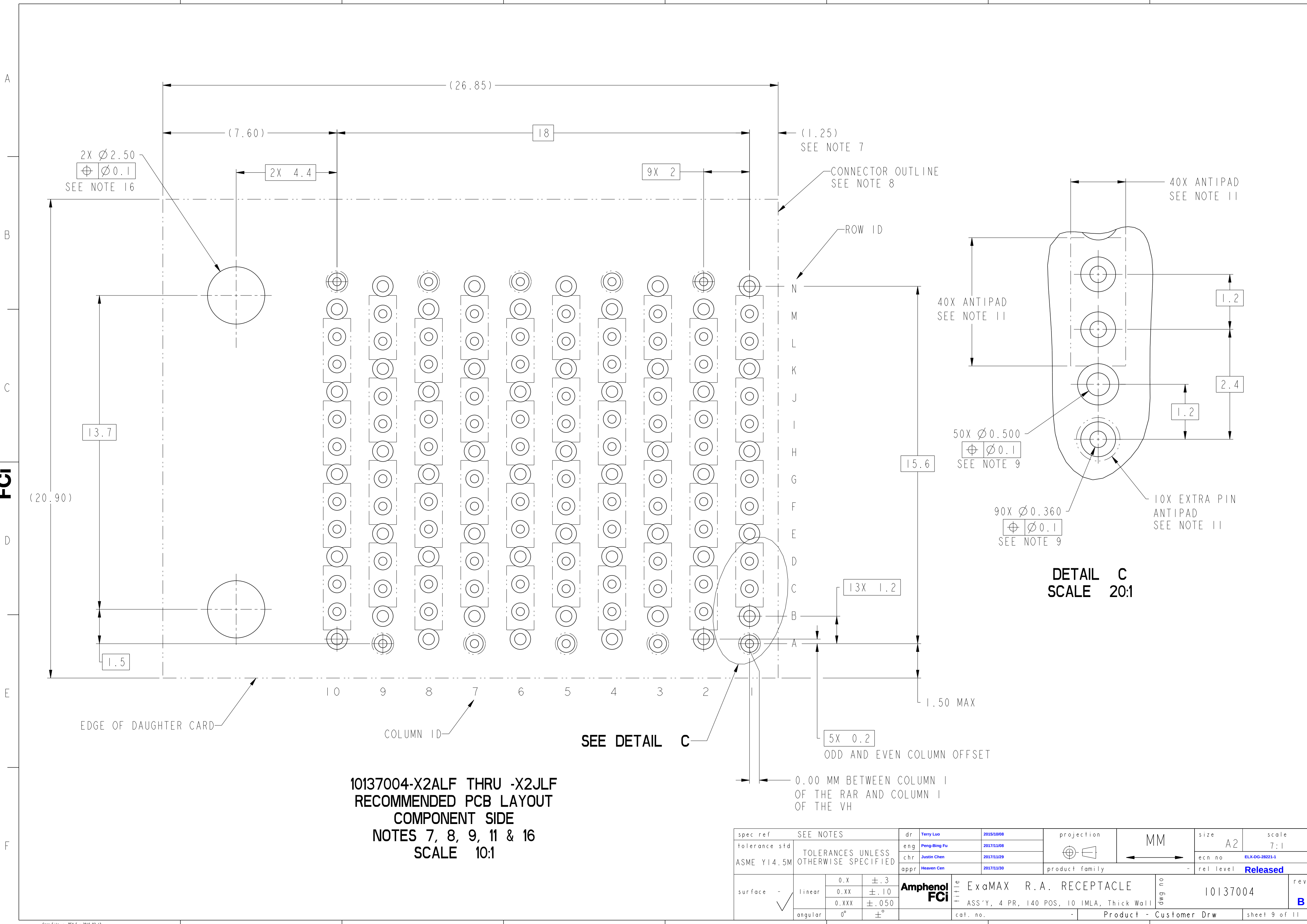
10137004-X1ALF THRU -X1JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 10:1

|                                                                                                 |  |                                       |  |         |                  |              |            |                              |                                                                                       |                       |                                                                                       |               |           |     |                |                                           |  |
|-------------------------------------------------------------------------------------------------|--|---------------------------------------|--|---------|------------------|--------------|------------|------------------------------|---------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------|---------------|-----------|-----|----------------|-------------------------------------------|--|
| spec ref                                                                                        |  | SEE NOTES                             |  |         | dr Terry Luo     |              | 2015/10/08 |                              | projection                                                                            |                       | MM                                                                                    |               | size A2   |     | scale 1:1      |                                           |  |
| tolerance std                                                                                   |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |         | eng Peng-Bing Fu |              | 2017/11/08 |                              |  |                       |  |               | ecn no    |     | ELX-DG-28221-1 |                                           |  |
| ASME Y14.5M                                                                                     |  |                                       |  |         | chr Justin Chen  |              | 2017/11/29 |                              |                                                                                       |                       |                                                                                       |               | rel level |     | Released       |                                           |  |
|                                                                                                 |  |                                       |  |         | appr Heaven Cen  |              | 2017/11/30 |                              | product family                                                                        |                       | -                                                                                     |               |           |     |                |                                           |  |
| surface -  |  | linear                                |  | 0.X ±.3 |                  | Amphenol FCI |            | title ExaMAX R.A. RECEPTACLE |                                                                                       | dwg no                |                                                                                       | 10137004      |           | rev |                |                                           |  |
|                                                                                                 |  |                                       |  |         |                  |              |            |                              |                                                                                       |                       |                                                                                       |               |           |     |                | ASS'Y, 4 PR, 140 POS, 10 IMLA, Thick Wall |  |
|                                                                                                 |  |                                       |  |         |                  |              |            |                              |                                                                                       |                       |                                                                                       |               |           |     |                | cat. no. -                                |  |
|                                                                                                 |  | angular                               |  | 0° ±°   |                  |              |            |                              |                                                                                       | Product- Customer Drw |                                                                                       | sheet 7 of 11 |           |     |                |                                           |  |

10137004-X2ALF THRU 10137004-X2JLF  
LEFT GUIDANCE (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE 10137004-101LF ON SHEET 1

TOP SURFACE  
OF DAUGHTER CARD

|                                                                                                 |  |                                       |  |       |                  |       |            |                 |                                                                                       |                              |            |                        |                                                                                          |               |           |  |           |  |
|-------------------------------------------------------------------------------------------------|--|---------------------------------------|--|-------|------------------|-------|------------|-----------------|---------------------------------------------------------------------------------------|------------------------------|------------|------------------------|------------------------------------------------------------------------------------------|---------------|-----------|--|-----------|--|
| spec ref                                                                                        |  | SEE NOTES                             |  |       | dr Terry Luo     |       | 2015/10/08 |                 |  |                              | projection |                        |  MM |               | size A2   |  | scale 7:1 |  |
| tolerance std                                                                                   |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       | eng Peng-Bing Fu |       | 2017/11/08 |                 |                                                                                       |                              | ecn no     |                        | ELX-DG-28221-1                                                                           |               | rel level |  | Released  |  |
| ASME Y14.5M                                                                                     |  |                                       |  |       | chr Justin Chen  |       | 2017/11/29 |                 | product family                                                                        |                              | ExaMax     |                        |                                                                                          |               |           |  |           |  |
|                                                                                                 |  |                                       |  |       | appr Heaven Cen  |       | 2017/11/30 |                 |                                                                                       |                              |            |                        |                                                                                          |               |           |  |           |  |
| surface -  |  | linear                                |  | 0.X   |                  | ±.3   |            | Amphenol<br>FCi |                                                                                       | title ExaMAX R.A. RECEPTACLE |            | drawing no 10137004    |                                                                                          | rev B         |           |  |           |  |
|                                                                                                 |  |                                       |  | 0.XX  |                  | ±.10  |            |                 |                                                                                       |                              |            |                        |                                                                                          |               |           |  |           |  |
|                                                                                                 |  |                                       |  | 0.XXX |                  | ±.050 |            |                 |                                                                                       |                              |            |                        |                                                                                          |               |           |  |           |  |
|                                                                                                 |  | angular                               |  | 0°    |                  | ±°    |            |                 |                                                                                       |                              |            |                        |                                                                                          |               |           |  |           |  |
|                                                                                                 |  |                                       |  |       |                  |       |            |                 |                                                                                       | cat. no.                     |            | Product - Customer Drw |                                                                                          | sheet 8 of 11 |           |  |           |  |

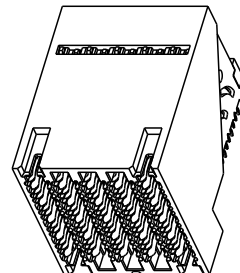
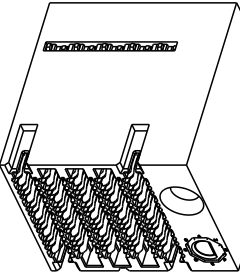
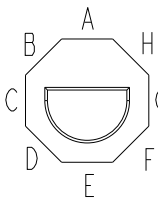
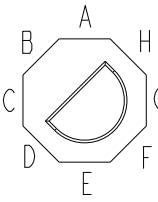
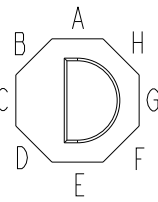
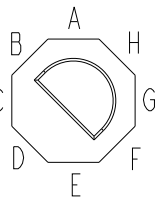
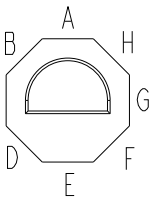
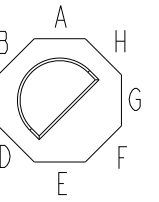
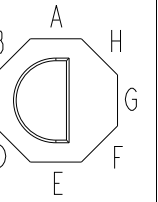
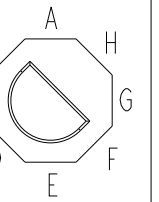
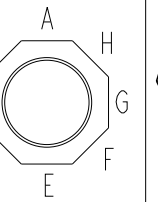
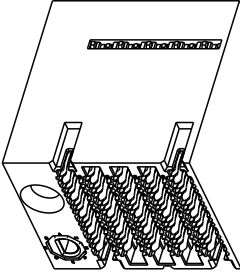
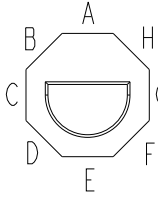
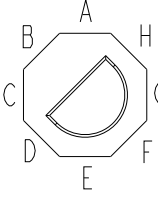
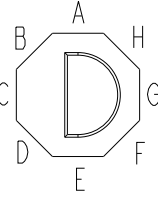
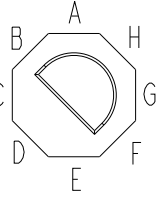
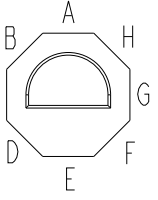
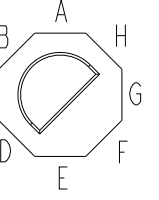
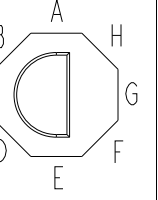
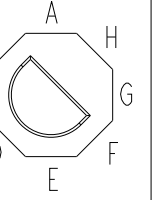
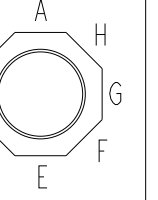


10137004-X2ALF THRU -X2JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 10:1

|               |  |                                       |  |              |                  |                                                                           |            |                       |            |               |    |           |                |  |                |  |
|---------------|--|---------------------------------------|--|--------------|------------------|---------------------------------------------------------------------------|------------|-----------------------|------------|---------------|----|-----------|----------------|--|----------------|--|
| spec ref      |  | SEE NOTES                             |  |              | dr Terry Luo     |                                                                           | 2015/10/08 |                       | projection |               | MM |           | size A2        |  | scale 7:1      |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |              | eng Peng-Bing Fu |                                                                           | 2017/11/08 |                       |            |               |    |           | ecn no         |  | ELX-DG-28221-1 |  |
| ASME Y14.5M   |  |                                       |  |              | chr Justin Chen  |                                                                           | 2017/11/29 |                       |            |               |    |           | rel level      |  | Released       |  |
|               |  |                                       |  |              | appr Heaven Cen  |                                                                           | 2017/11/30 |                       |            |               |    |           | product family |  | -              |  |
| surface -     |  | linear                                |  | Amphenol FCI |                  | title ExaMAX R.A. RECEPTACLE<br>ASS'Y, 4 PR, 140 POS, 10 IMLA, Thick Wall |            | dwg no 10137004       |            | rev B         |    |           |                |  |                |  |
|               |  |                                       |  |              |                  |                                                                           |            |                       |            |               |    | 0.X ±.3   |                |  |                |  |
|               |  |                                       |  |              |                  |                                                                           |            |                       |            |               |    | 0.XX ±.10 |                |  |                |  |
|               |  | 0.XXX ±.050                           |  |              |                  |                                                                           |            |                       |            |               |    |           |                |  |                |  |
|               |  | angular                               |  | 0° ±°        |                  | cat. no. -                                                                |            | Product- Customer Drw |            | sheet 9 of 11 |    |           |                |  |                |  |

10137004 - Y Y Y L F

| ASSEMBLY<br>PART<br>NUMBER | DESCRIPTION                  |
|----------------------------|------------------------------|
| 10137004-1YYLF             | STANDARD MATE                |
| 10137004-2YYLF             | ADVANCED MATE                |
| 10137004-3YYLF             | SHORT DETECT                 |
| 10137004-4YYLF             | ADVANCED MATE & SHORT DETECT |

| MODULE<br>DESCRIPTION                         | DESIGNATION REPRESENTED IN DASH NUMBER                                              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | BASE<br>MODULE                                                                      |
|-----------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 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)                                                                      |  |
|                                               |  |  |  |  |  |  |  |  |  |                                                                                     |

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|               |  |                                       |  |                                     |                  |              |            |       |            |                                           |    |  |                |  |                |          |  |          |  |     |  |   |  |  |  |  |  |                        |  |  |  |  |  |                |  |  |  |  |  |
|---------------|--|---------------------------------------|--|-------------------------------------|------------------|--------------|------------|-------|------------|-------------------------------------------|----|--|----------------|--|----------------|----------|--|----------|--|-----|--|---|--|--|--|--|--|------------------------|--|--|--|--|--|----------------|--|--|--|--|--|
| spec ref      |  | SEE NOTES                             |  |                                     | dr Terry Luo     |              | 2015/10/08 |       | projection |                                           | MM |  | size A2        |  | scale 1:1      |          |  |          |  |     |  |   |  |  |  |  |  |                        |  |  |  |  |  |                |  |  |  |  |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |                                     | eng Peng-Bing Fu |              | 2017/11/08 |       |            |                                           |    |  | ecn no         |  | ELX-DG-28221-1 |          |  |          |  |     |  |   |  |  |  |  |  |                        |  |  |  |  |  |                |  |  |  |  |  |
| 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<br>0.XX ±.10<br>0.XXX ±.050 |                  | Amphenol FCI |            | title |            | ExaMAX R.A. RECEPTACLE                    |    |  |                |  |                | dwg no   |  | 10137004 |  | rev |  | B |  |  |  |  |  |                        |  |  |  |  |  |                |  |  |  |  |  |
|               |  |                                       |  |                                     |                  |              |            |       |            |                                           |    |  |                |  |                |          |  |          |  |     |  |   |  |  |  |  |  |                        |  |  |  |  |  |                |  |  |  |  |  |
|               |  |                                       |  |                                     |                  |              |            |       |            | ASS'Y, 4 PR, 140 POS, 10 IMLA, Thick Wall |    |  |                |  |                | cat. no. |  |          |  |     |  | - |  |  |  |  |  | Product - Customer Drw |  |  |  |  |  | sheet 10 of 11 |  |  |  |  |  |
|               |  |                                       |  |                                     |                  |              |            |       |            |                                           |    |  |                |  |                |          |  |          |  |     |  |   |  |  |  |  |  |                        |  |  |  |  |  |                |  |  |  |  |  |



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