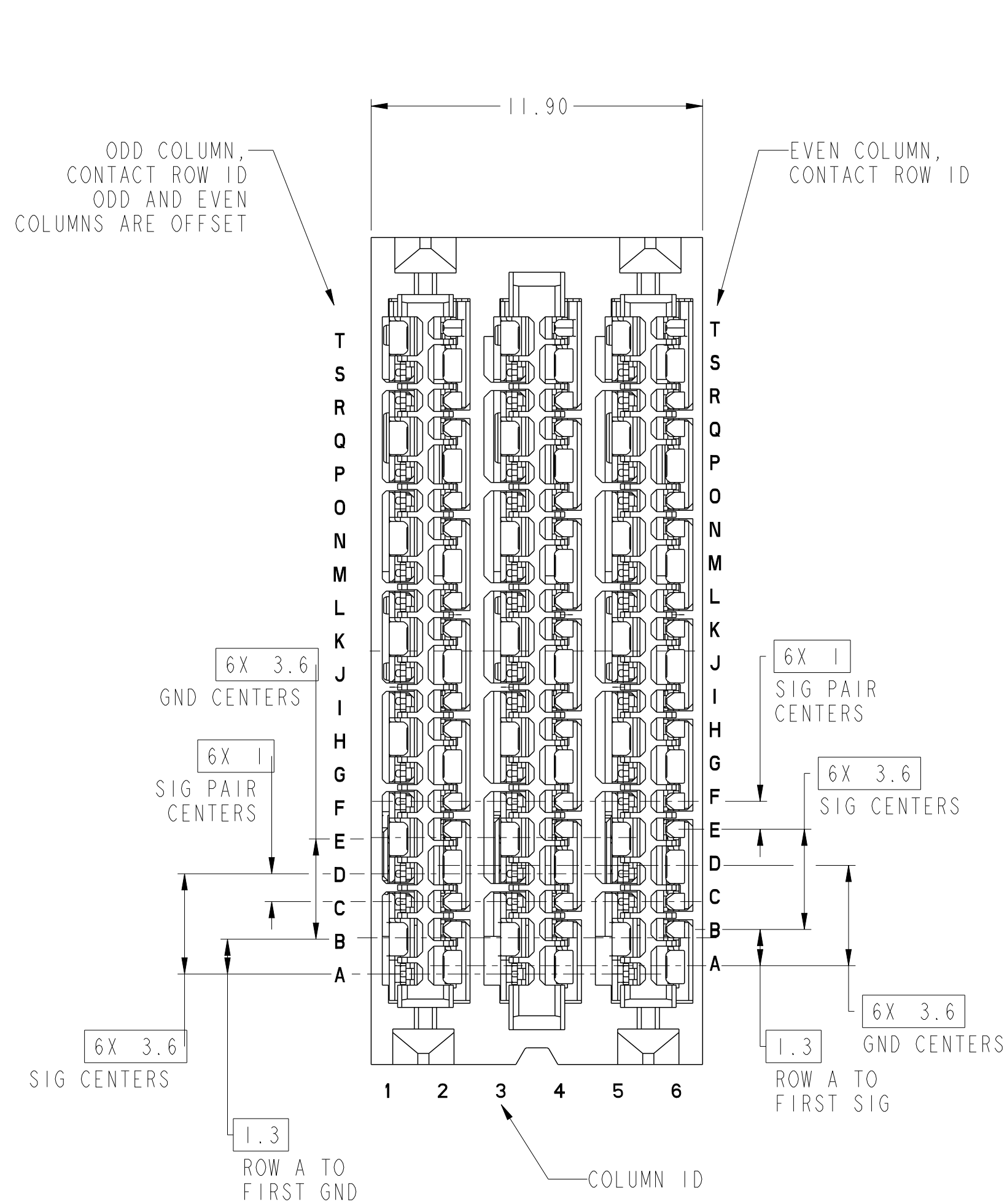
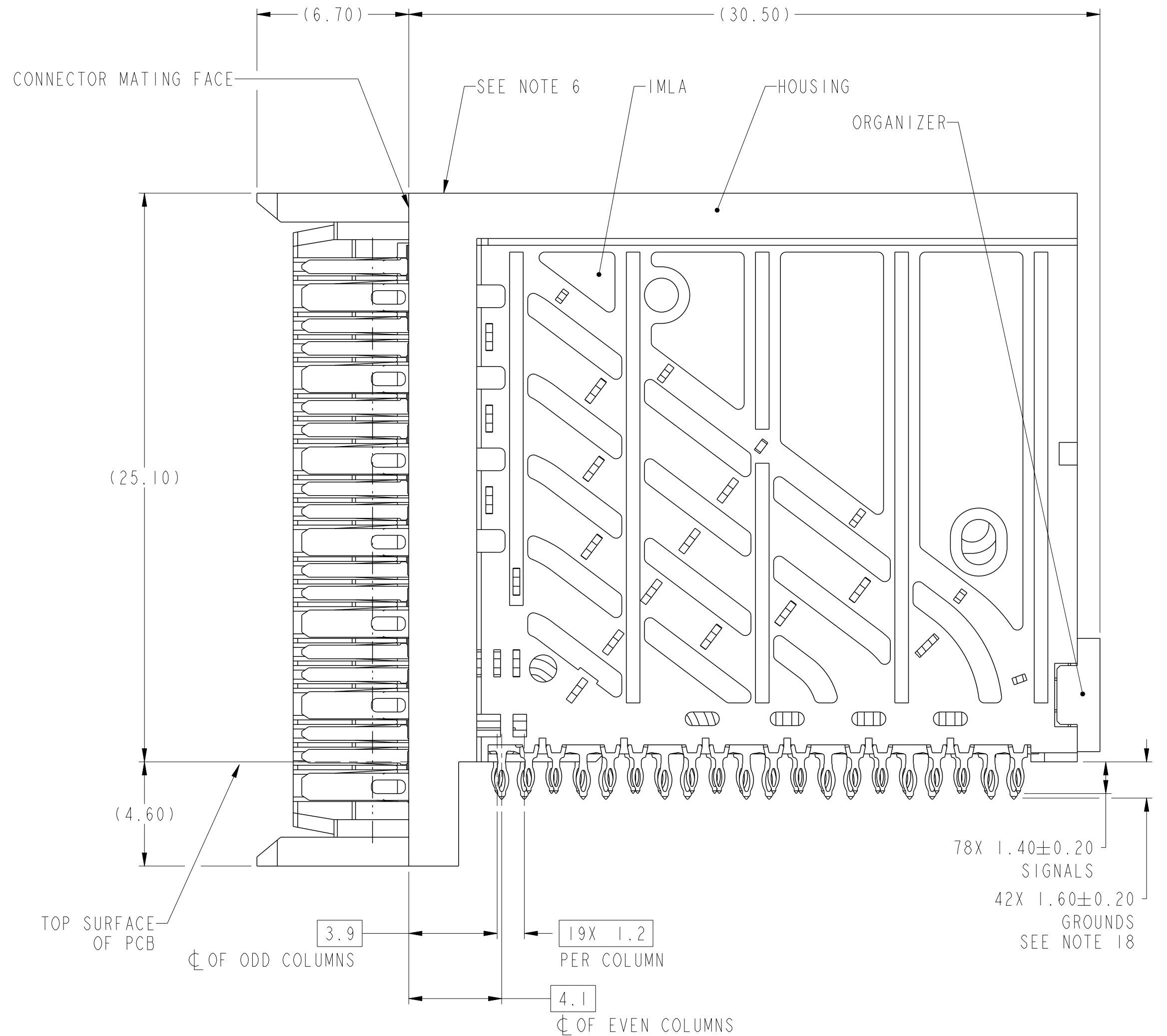
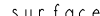


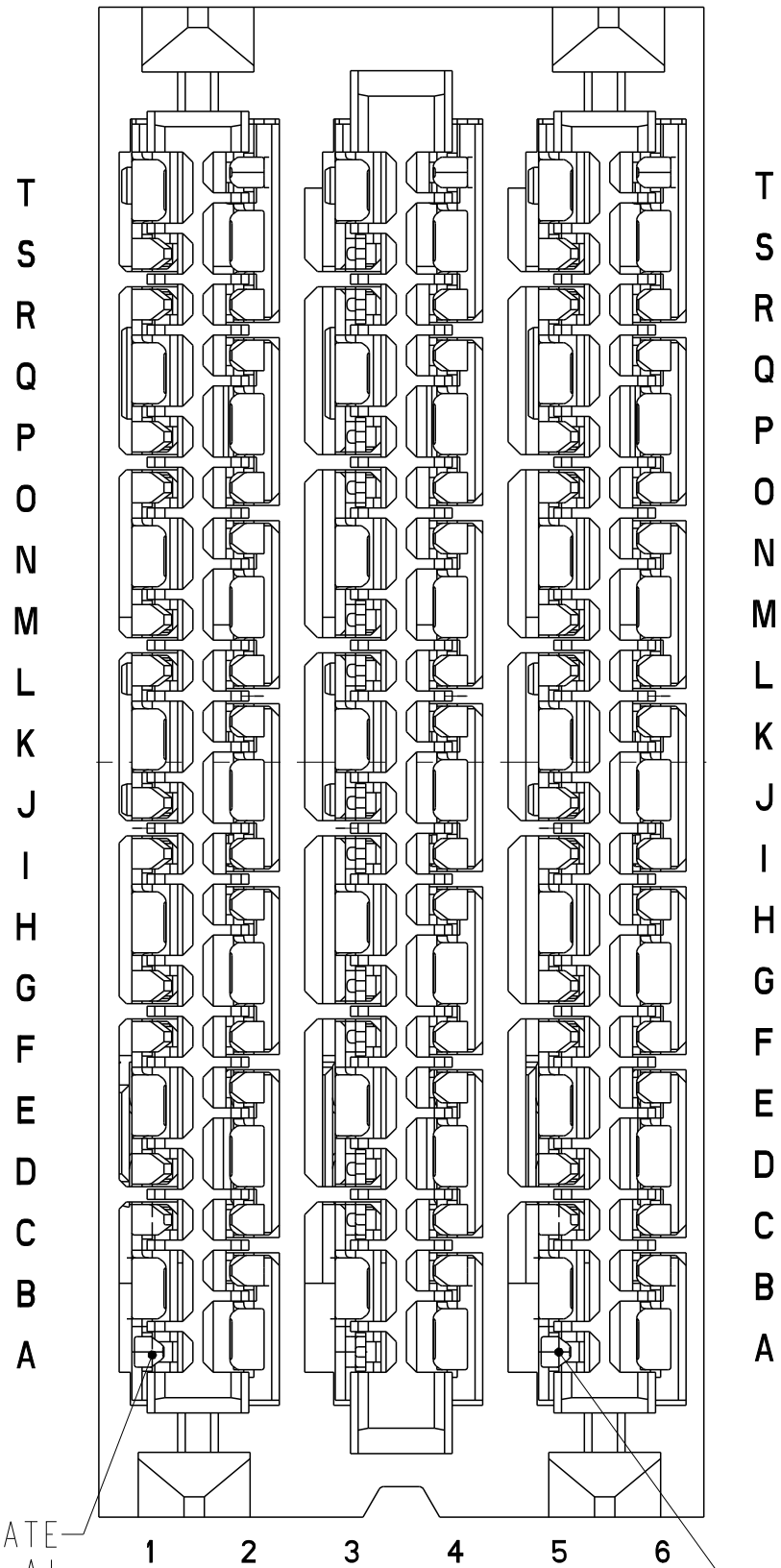
PRODUCT NUMBER  
SEE SHEET 10



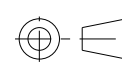
10125350-101LF  
STANDARD MATE CONNECTOR



|                                                                                                    |  |                                       |  |            |     |            |              |                 |            |       |                                                                                       |                        |                                                                                       |                        |           |  |                |        |       |               |     |        |  |          |  |  |  |  |  |     |  |   |  |
|----------------------------------------------------------------------------------------------------|--|---------------------------------------|--|------------|-----|------------|--------------|-----------------|------------|-------|---------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------|------------------------|-----------|--|----------------|--------|-------|---------------|-----|--------|--|----------|--|--|--|--|--|-----|--|---|--|
| spec ref                                                                                           |  | SEE NOTES                             |  |            | dr  |            | N Eppley     |                 | 2013/04/29 |       | projection                                                                            |                        | MM                                                                                    |                        | size      |  | A2             |        | scale |               | 7:1 |        |  |          |  |  |  |  |  |     |  |   |  |
| tolerance std                                                                                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |            | eng |            | Peng-Bing Fu |                 | 2017/10/24 |       |  |                        |  |                        | ecn no    |  | ELX-DG-28236-1 |        |       |               |     |        |  |          |  |  |  |  |  |     |  |   |  |
| 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 RIGHT-ANGLE HDR |                                                                                       |                        |           |  |                |        |       |               |     | dwg no |  | 10125350 |  |  |  |  |  | rev |  | B |  |
|                                                                                                    |  |                                       |  | 0.XX       |     | ±.10       |              |                 |            |       |                                                                                       |                        |                                                                                       |                        |           |  |                |        |       |               |     |        |  |          |  |  |  |  |  |     |  |   |  |
|                                                                                                    |  | angular                               |  | 0°         |     | ±°         |              |                 |            |       |                                                                                       | cat. no.               |                                                                                       | Product - Customer Drw |           |  |                |        |       | sheet 1 of 11 |     |        |  |          |  |  |  |  |  |     |  |   |  |

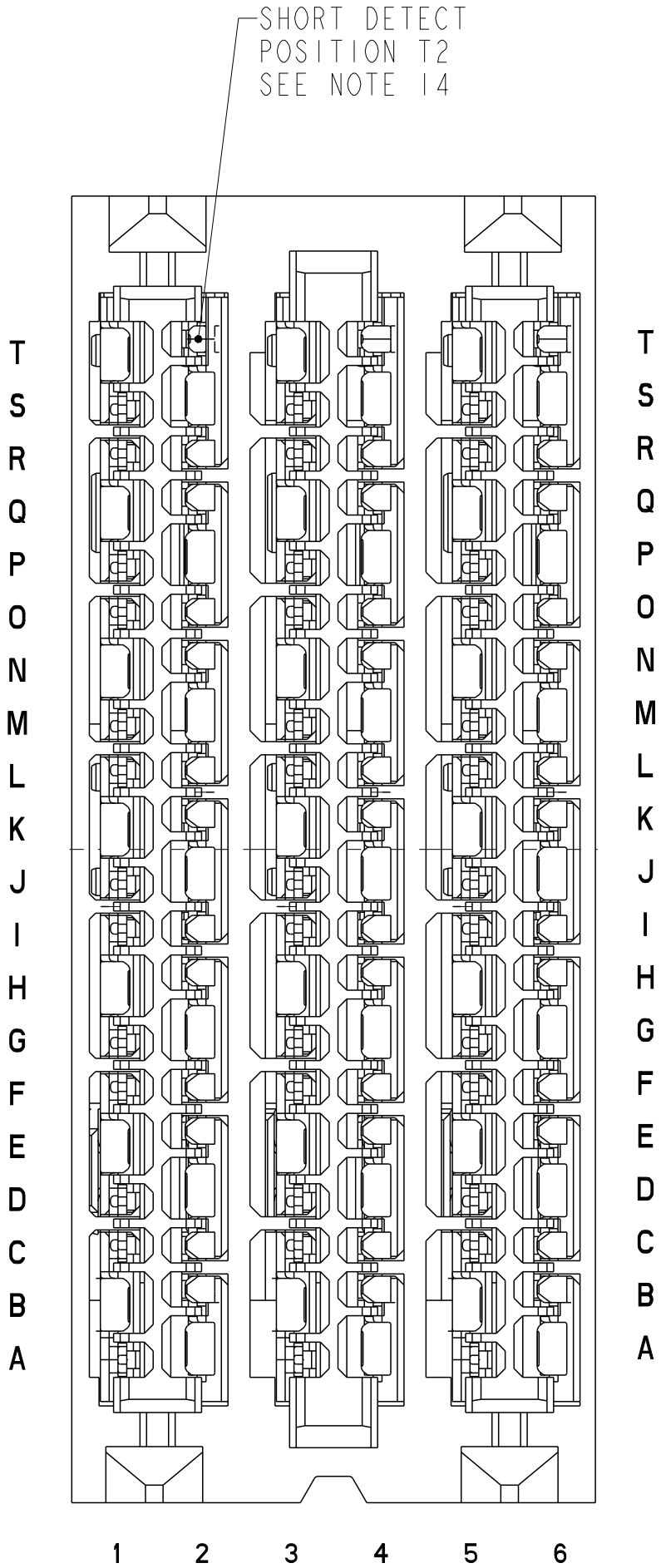


10125350-201LF  
ADVANCED MATE CONNECTOR  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY  
FOR ALL DIMENSIONS SEE 10125350-101LF ON SHEET 1

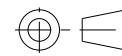
|                                                                                                                                  |                                       |         |       |                               |                                                                    |              |            |                                                                                                                                                  |        |                |       |               |          |  |
|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------|-------|-------------------------------|--------------------------------------------------------------------|--------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------|-------|---------------|----------|--|
| spec ref                                                                                                                         | SEE NOTES                             |         |       |                               | dr                                                                 | N Eppley     | 2013/04/29 | <div>projection</div> <div></div> <div>product family</div> | size   | A2             | scale | 6:1           |          |  |
| tolerance std                                                                                                                    | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       |                               | eng                                                                | Peng-Bing Fu | 2017/10/24 |                                                                                                                                                  | ecn no | ELX-DG-28236-1 |       |               |          |  |
| ASME Y14.5M                                                                                                                      |                                       |         |       |                               | chr                                                                | Justin Chen  | 2017/11/29 |                                                                                                                                                  |        |                |       |               |          |  |
|                                                                                                                                  |                                       |         |       |                               | appr                                                               | Heaven Cen   | 2017/11/30 |                                                                                                                                                  |        |                |       | rel level     | Released |  |
| <div>surface</div> <div>-</div> <div></div> | linear                                | 0.X     | ±.3   | <b>Amphenol</b><br><b>FCI</b> | title<br>ExdMAX RIGHT-ANGLE HDR<br>ASSY 6 PR, 120 POS, 6 IMLA, 2MM |              |            |                                                                                                                                                  | dwg no | 10125350       |       | rev           | B        |  |
|                                                                                                                                  |                                       | 0.XX    | ±.10  |                               |                                                                    |              |            |                                                                                                                                                  |        |                |       |               |          |  |
|                                                                                                                                  |                                       | 0.XXX   | ±.050 |                               |                                                                    |              |            |                                                                                                                                                  |        |                |       |               |          |  |
|                                                                                                                                  |                                       | angular | 0°    |                               |                                                                    |              |            |                                                                                                                                                  |        |                |       |               |          |  |
|                                                                                                                                  |                                       |         |       |                               |                                                                    | cat. no.     |            | Product - Customer Drw                                                                                                                           |        |                |       | sheet 2 of 11 |          |  |

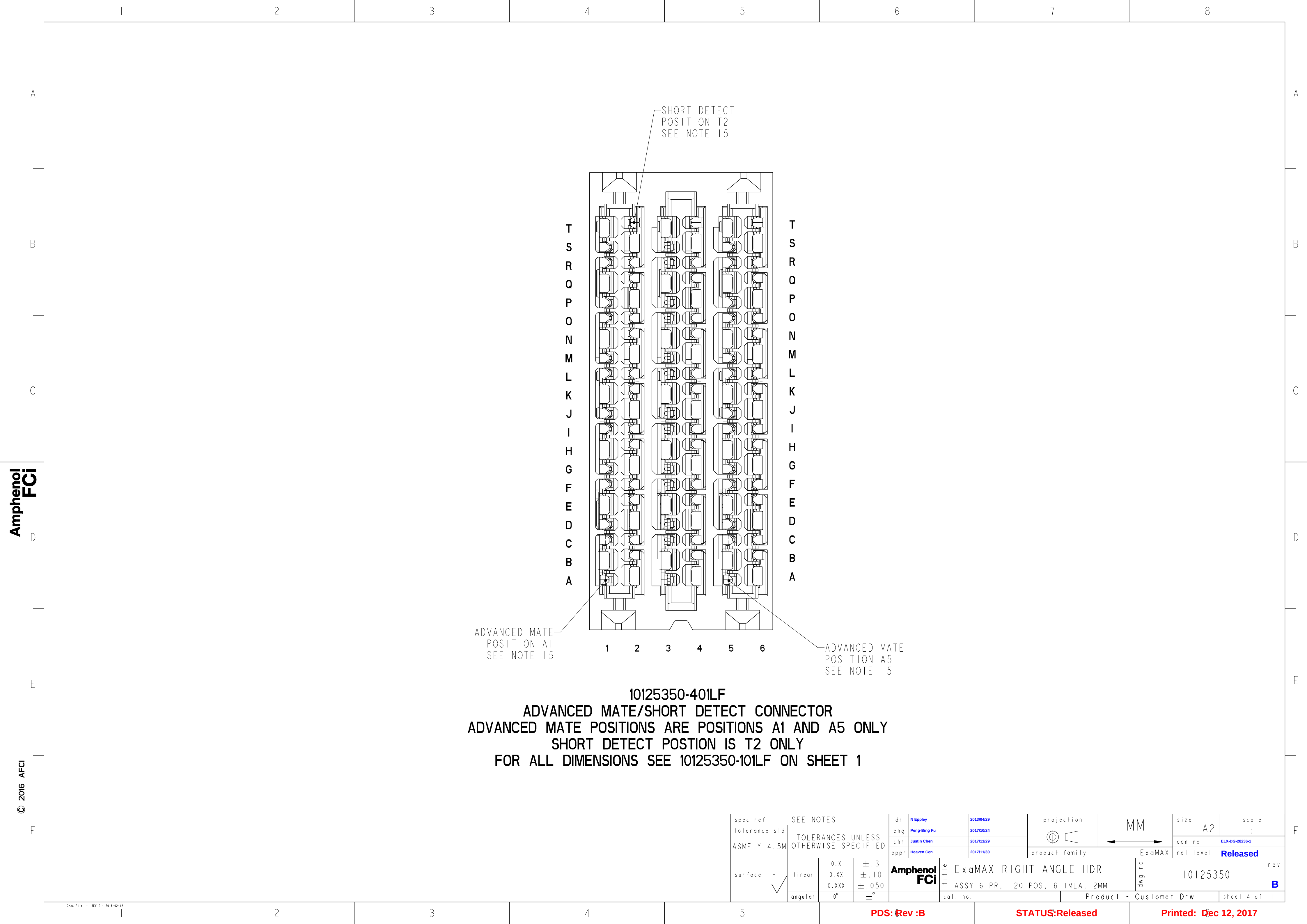
Amphenol  
FCi

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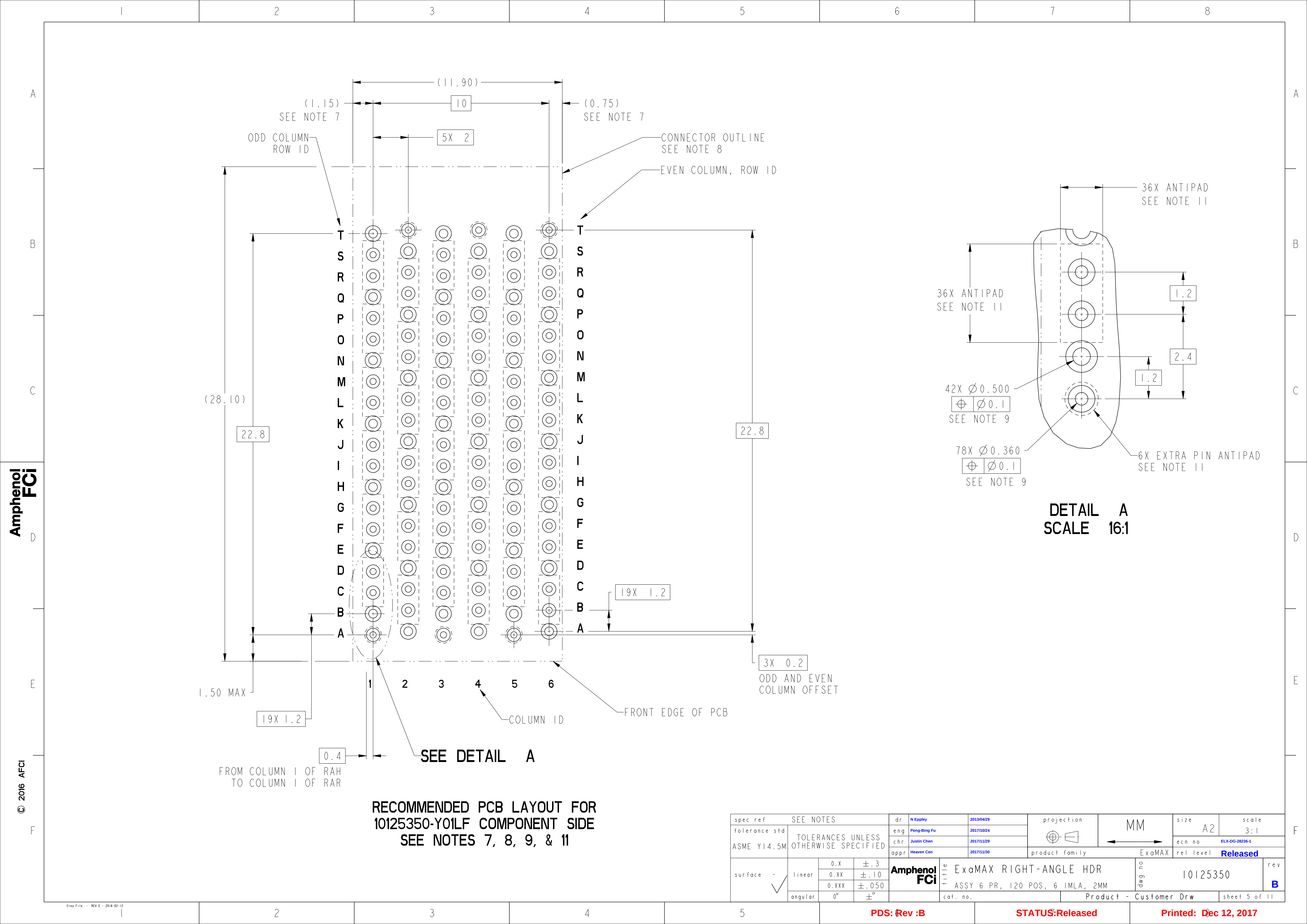
10125350-301LF  
SHORT DETECT CONNECTOR  
SHORT DETECT POSITION IS T2 ONLY  
FOR ALL DIMENSIONS SEE 10125350-101LF ON SHEET 1

|                                              |                                       |         |       |                               |                                                                    |            |                                                                                                                        |                                                                                                                |                |                |               |          |
|----------------------------------------------|---------------------------------------|---------|-------|-------------------------------|--------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------|----------------|---------------|----------|
| spec ref                                     | SEE NOTES                             |         |       | dr                            | N Eppley                                                           | 2013/04/29 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size           | A2             | scale         | 6:1      |
| tolerance std                                | TOLERANCES UNLESS OTHERWISE SPECIFIED |         |       | eng                           | Peng-Bing Fu                                                       | 2017/10/24 |                                                                                                                        |                                                                                                                | ecn no         | ELX-DG-28236-1 |               |          |
| ASME Y14.5M                                  |                                       |         |       | chr                           | Justin Chen                                                        | 2017/11/29 |                                                                                                                        |                                                                                                                | rel level      | Released       |               |          |
|                                              |                                       |         |       | appr                          | Heaven Cen                                                         | 2017/11/30 |                                                                                                                        |                                                                                                                | product family |                |               | ExaMAX   |
| <div>surface</div> <div>-</div> <div>✓</div> | linear                                | 0.X     | ±.3   | <b>Amphenol</b><br><b>FCi</b> | title<br>ExaMAX RIGHT-ANGLE HDR<br>ASSY 6 PR, 120 POS, 6 IMLA, 2MM |            |                                                                                                                        |                                                                                                                | dwg no         | 10125350       |               | rev<br>B |
|                                              |                                       | 0.XX    | ±.10  |                               |                                                                    |            |                                                                                                                        |                                                                                                                |                |                |               |          |
|                                              |                                       | 0.XXX   | ±.050 |                               |                                                                    |            |                                                                                                                        |                                                                                                                |                |                |               |          |
|                                              |                                       | angular | 0°    |                               |                                                                    |            |                                                                                                                        |                                                                                                                |                |                |               |          |
|                                              |                                       |         |       |                               | cat. no.                                                           |            | Product - Customer Drw                                                                                                 |                                                                                                                |                |                | sheet 3 of 11 |          |



10125350-401LF  
ADVANCED MATE/SHORT DETECT CONNECTOR  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY  
SHORT DETECT POSTION IS T2 ONLY  
FOR ALL DIMENSIONS SEE 10125350-101LF ON SHEET 1

|                                             |                                       |       |       |                     |              |            |                                   |                           |                |                |        |               |  |     |   |
|---------------------------------------------|---------------------------------------|-------|-------|---------------------|--------------|------------|-----------------------------------|---------------------------|----------------|----------------|--------|---------------|--|-----|---|
| spec ref                                    | SEE NOTES                             |       |       | dr                  | N Eppley     | 2013/04/29 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size           | A2             | scale  | 1:1           |  |     |   |
| tolerance std                               | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng                 | Peng-Bing Fu | 2017/10/24 |                                   |                           | ecn no         | ELX-DG-28236-1 |        |               |  |     |   |
| ASME Y14.5M                                 |                                       |       |       | chr                 | Justin Chen  | 2017/11/29 |                                   |                           | rel level      | Released       |        |               |  |     |   |
|                                             |                                       |       |       | appr                | Heaven Cen   | 2017/11/30 |                                   |                           | product family |                | ExaMAX |               |  |     |   |
| <div>surface</div> <div>-</div> <div></div> | linear                                | 0.X   | ±.3   | <b>Amphenol FCI</b> | title        |            |                                   | ExaMAX RIGHT-ANGLE HDR    |                |                | dwg no | 10125350      |  | rev | B |
|                                             |                                       | 0.XX  | ±.10  |                     |              |            |                                   |                           |                |                |        |               |  |     |   |
|                                             |                                       | 0.XXX | ±.050 |                     |              |            |                                   |                           |                |                |        |               |  |     |   |
|                                             | angular                               | 0°    | ±°    |                     | cat. no.     |            | Product - Customer Drw            |                           |                |                |        | sheet 4 of 11 |  |     |   |

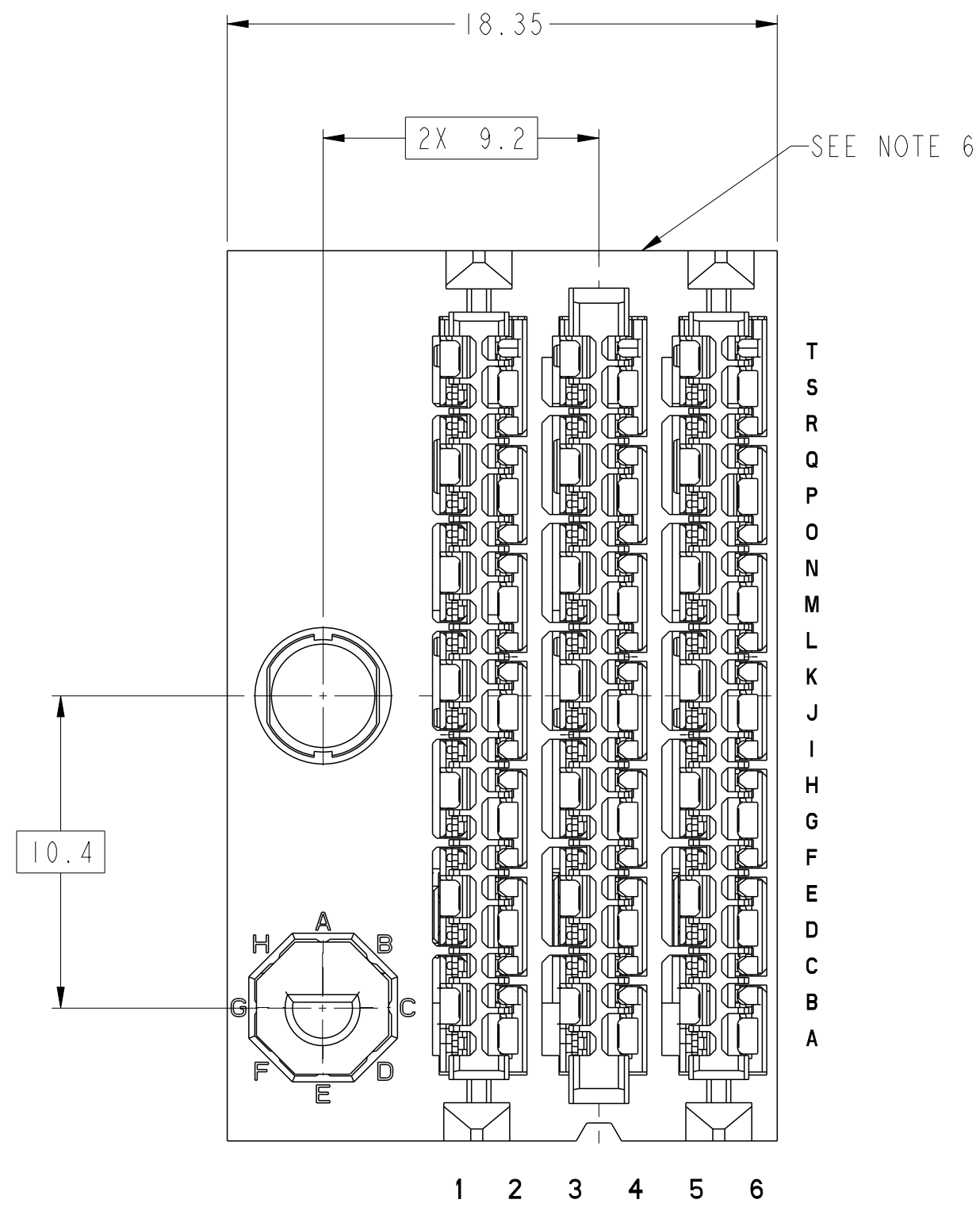
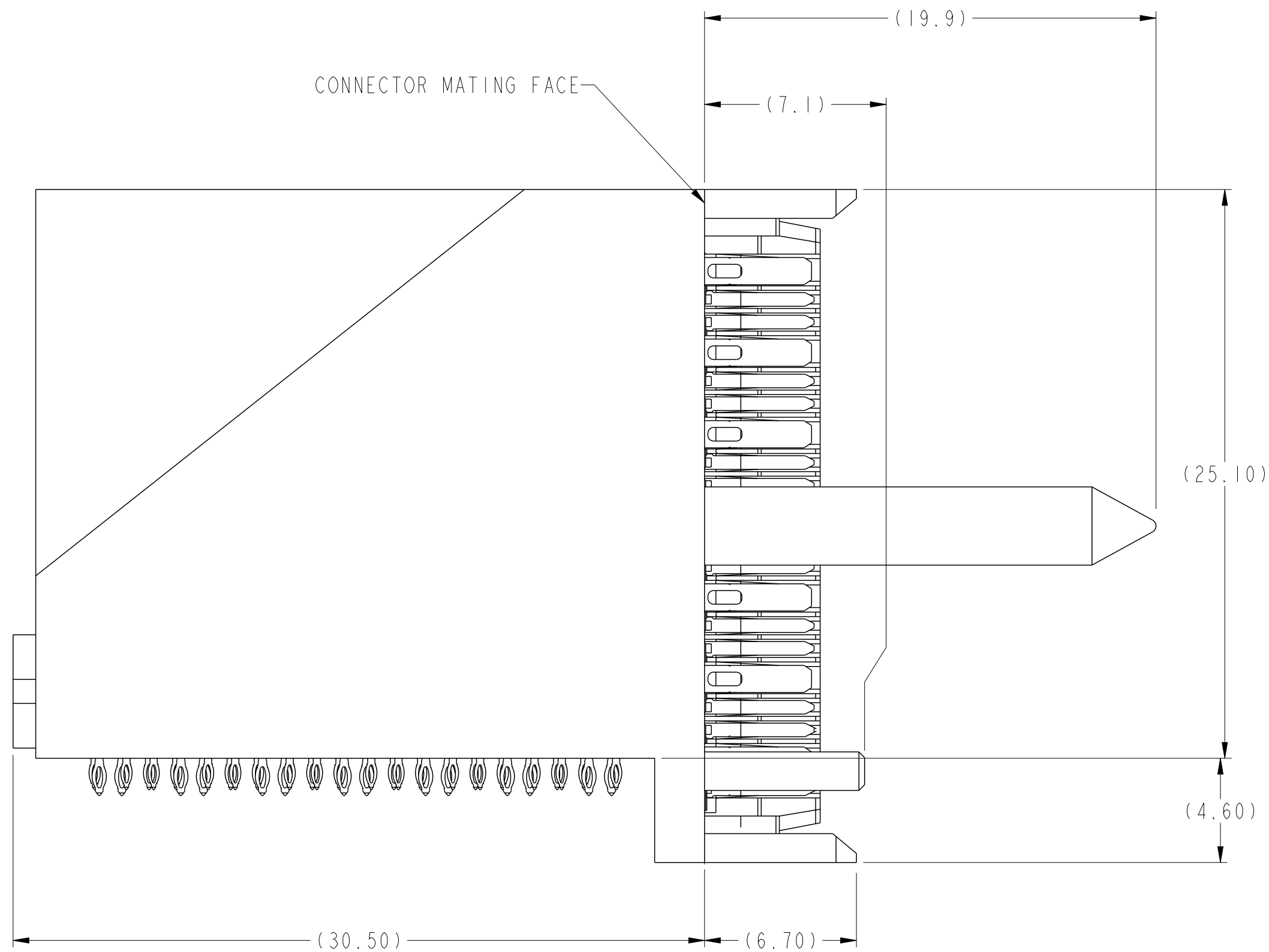


Amphenol  
FCi

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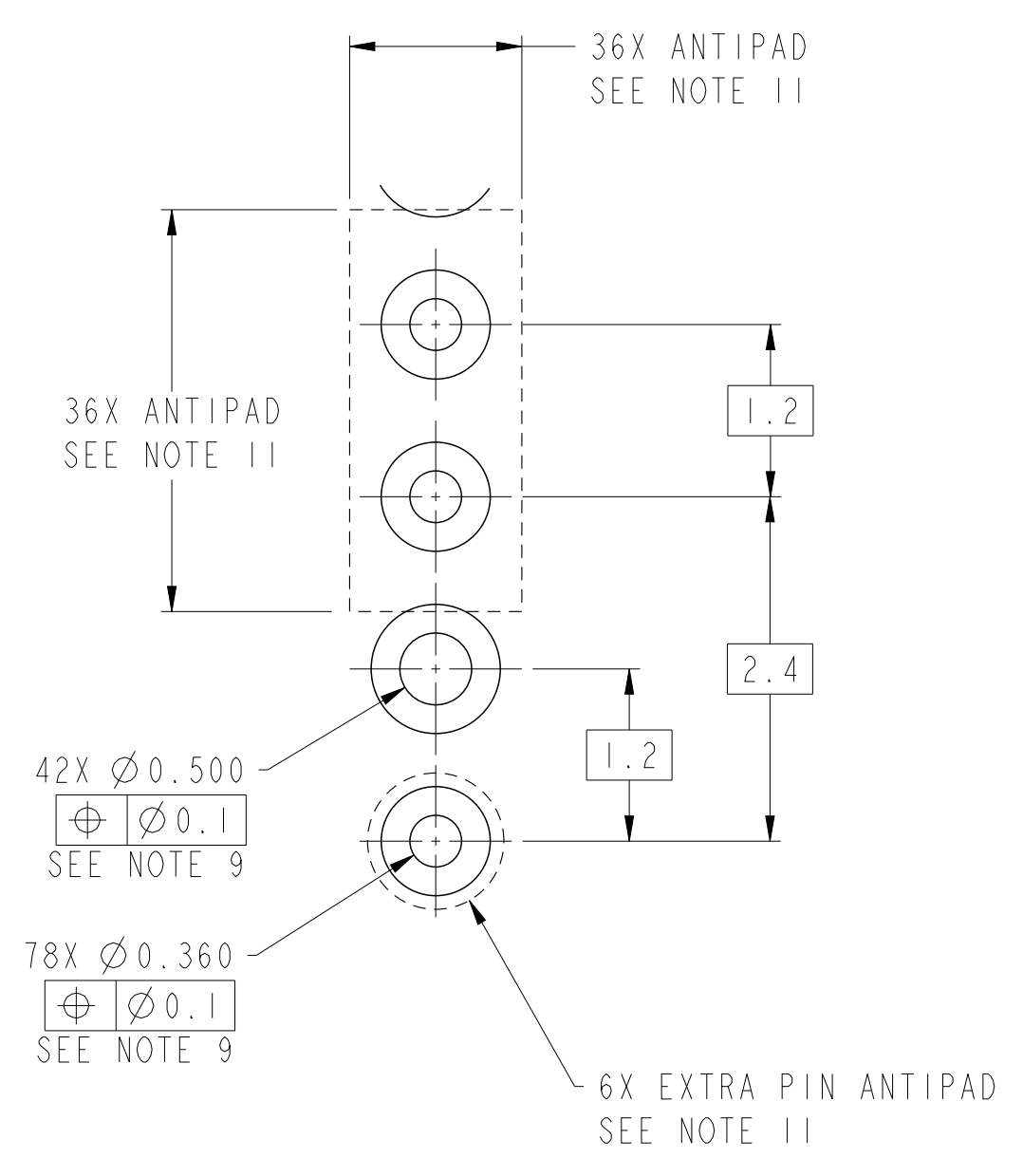
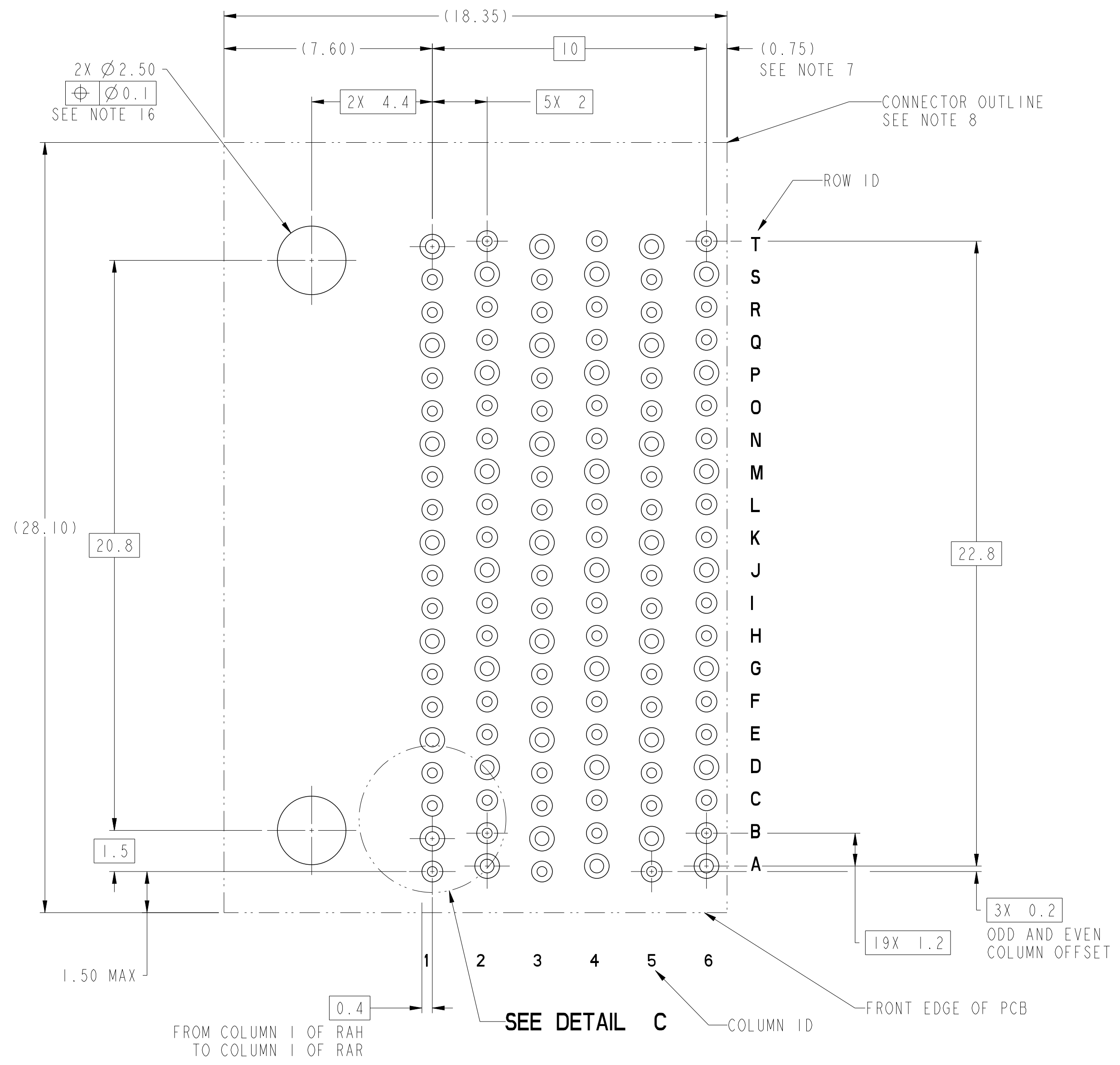
RECOMMENDED PCB LAYOUT FOR  
10125350-Y01LF COMPONENT SIDE  
SEE NOTES 7, 8, 9, & 11

|               |  |                                       |  |       |      |       |              |              |            |       |                |                        |        |                       |           |  |                |  |       |  |     |        |  |               |  |  |  |  |  |     |  |   |  |
|---------------|--|---------------------------------------|--|-------|------|-------|--------------|--------------|------------|-------|----------------|------------------------|--------|-----------------------|-----------|--|----------------|--|-------|--|-----|--------|--|---------------|--|--|--|--|--|-----|--|---|--|
| spec ref      |  | SEE NOTES                             |  |       | dr   |       | N Eppley     |              | 2013/04/29 |       | projection     |                        | MM     |                       | size      |  | A2             |  | scale |  | 3:1 |        |  |               |  |  |  |  |  |     |  |   |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       | eng  |       | Peng-Bing Fu |              | 2017/10/24 |       |                |                        |        |                       | ecn no    |  | ELX-DG-28236-1 |  |       |  |     |        |  |               |  |  |  |  |  |     |  |   |  |
| 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 RIGHT-ANGLE HDR |        |                       |           |  |                |  |       |  |     | dwg no |  | 10125350      |  |  |  |  |  | rev |  | B |  |
|               |  |                                       |  | 0.XX  |      | ±.10  |              |              |            |       |                |                        |        |                       |           |  |                |  |       |  |     |        |  |               |  |  |  |  |  |     |  |   |  |
|               |  |                                       |  | 0.XXX |      | ±.050 |              |              |            |       |                |                        |        |                       |           |  |                |  |       |  |     |        |  |               |  |  |  |  |  |     |  |   |  |
|               |  | angular                               |  | 0°    |      | ±°    |              |              |            |       |                | cat. no.               |        | Product- Customer Drw |           |  |                |  |       |  |     |        |  | sheet 5 of 11 |  |  |  |  |  |     |  |   |  |



10125350-Y1ALF THRU -Y1JLF  
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE SHEET 1

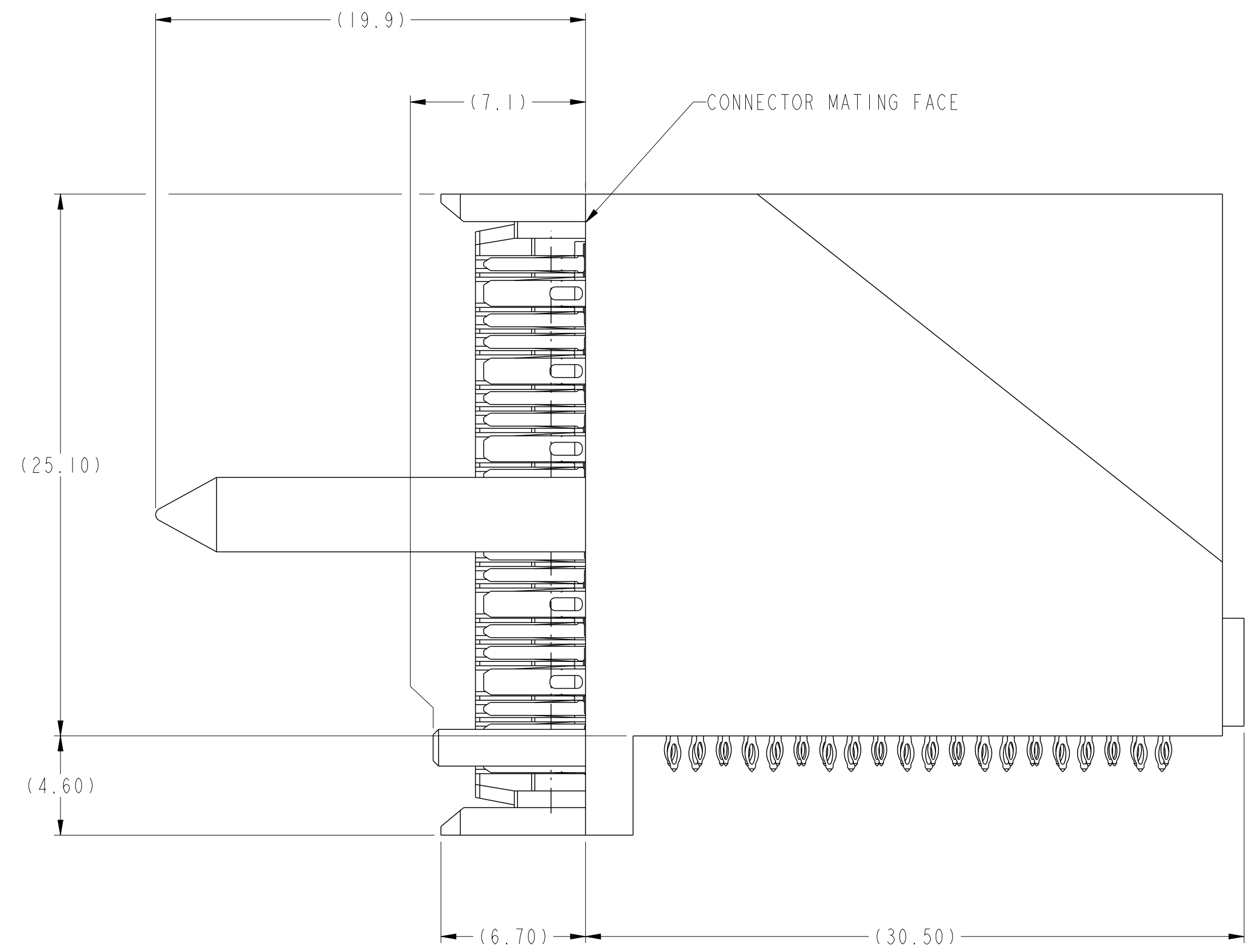
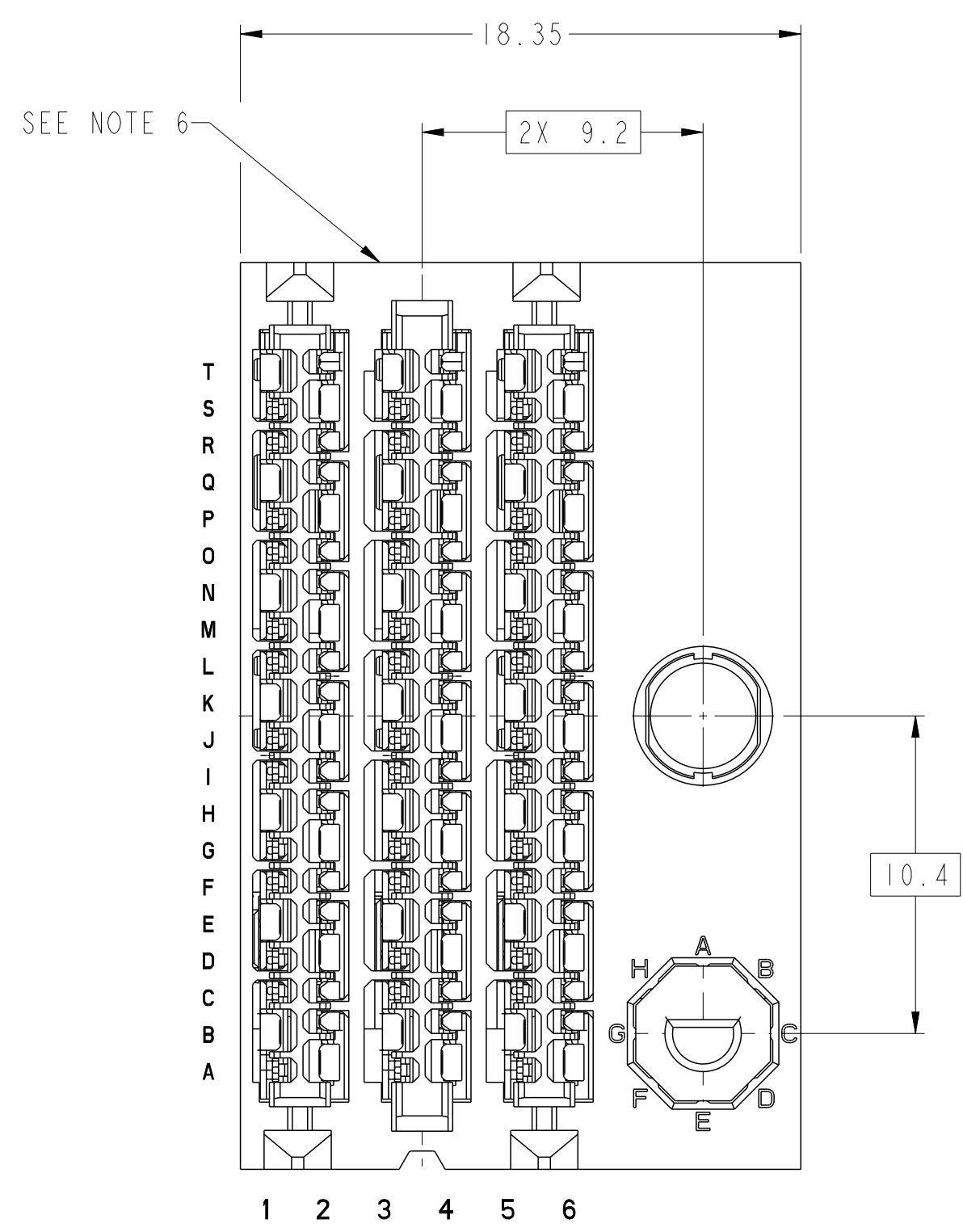
|               |  |                                       |  |       |      |       |              |                 |            |          |            |                                                           |    |  |                |  |                |  |       |  |     |               |  |          |  |     |  |   |  |
|---------------|--|---------------------------------------|--|-------|------|-------|--------------|-----------------|------------|----------|------------|-----------------------------------------------------------|----|--|----------------|--|----------------|--|-------|--|-----|---------------|--|----------|--|-----|--|---|--|
| spec ref      |  | SEE NOTES                             |  |       | dr   |       | N Eppley     |                 | 2013/04/29 |          | projection |                                                           | MM |  | size           |  | A2             |  | scale |  | 6:1 |               |  |          |  |     |  |   |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       | eng  |       | Peng-Bing Fu |                 | 2017/10/24 |          |            |                                                           |    |  | ecn no         |  | ELX-DG-28236-1 |  |       |  |     |               |  |          |  |     |  |   |  |
| 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 RIGHT-ANGLE HDR<br>ASSY 6 PR, 120 POS, 6 IMLA, 2MM |    |  |                |  |                |  |       |  |     | dwg no        |  | 10125350 |  | rev |  | B |  |
|               |  |                                       |  | 0.XX  |      | ±.10  |              |                 |            |          |            |                                                           |    |  |                |  |                |  |       |  |     |               |  |          |  |     |  |   |  |
|               |  |                                       |  | 0.XXX |      | ±.050 |              |                 |            |          |            |                                                           |    |  |                |  |                |  |       |  |     |               |  |          |  |     |  |   |  |
|               |  | angular                               |  | 0°    |      | ±°    |              |                 |            | cat. no. |            | Product - Customer Drw                                    |    |  |                |  |                |  |       |  |     | sheet 6 of 11 |  |          |  |     |  |   |  |



DETAIL C  
SCALE 20:1

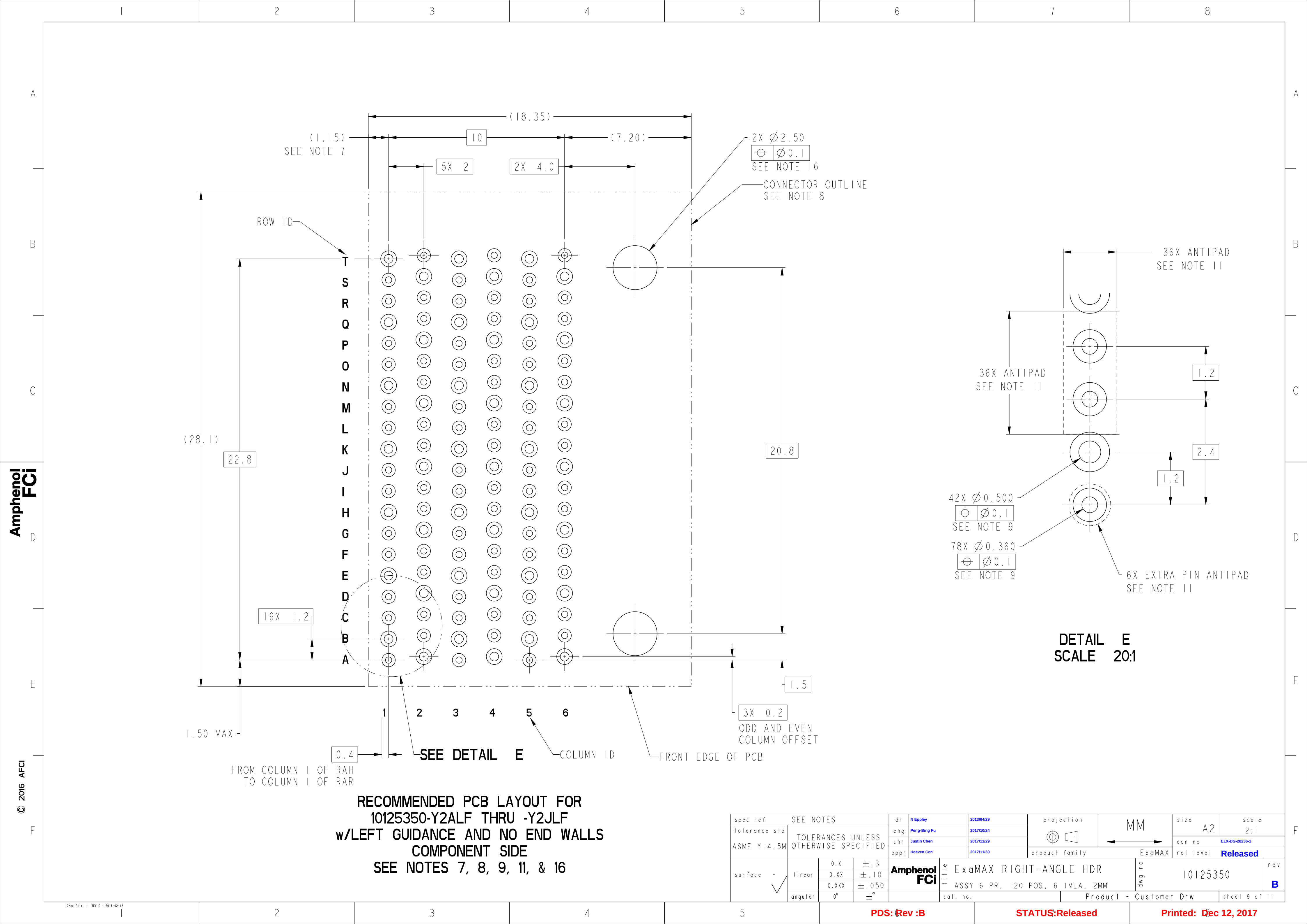
RECOMMENDED PCB LAYOUT FOR  
10125350-Y1ALF THRU -Y1JLF  
w/RIGHT GUIDANCE AND NO END WALLS  
COMPONENT SIDE  
SEE NOTES 7, 8, 9, 11, & 16

|               |  |                                       |  |       |      |       |              |                 |            |       |            |                        |    |        |                |          |                |     |       |   |     |          |
|---------------|--|---------------------------------------|--|-------|------|-------|--------------|-----------------|------------|-------|------------|------------------------|----|--------|----------------|----------|----------------|-----|-------|---|-----|----------|
| spec ref      |  | SEE NOTES                             |  |       | dr   |       | N Eppley     |                 | 2013/04/29 |       | projection |                        | MM |        | size           |          | A2             |     | scale |   | 2:1 |          |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       | eng  |       | Peng-Bing Fu |                 | 2017/10/24 |       |            |                        |    |        | ecn no         |          | ELX-DG-28236-1 |     |       |   |     |          |
| 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 RIGHT-ANGLE HDR |    | dwg no |                | 10125350 |                | rev |       | B |     |          |
|               |  |                                       |  | 0.XX  |      | ±.10  |              |                 |            |       |            |                        |    |        |                |          |                |     |       |   |     |          |
|               |  |                                       |  | 0.XXX |      | ±.050 |              |                 |            |       |            |                        |    |        |                |          |                |     |       |   |     |          |
|               |  | angular                               |  | 0°    |      | ±°    |              |                 |            |       |            |                        |    |        |                |          |                |     |       |   |     | cat. no. |



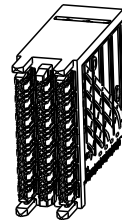
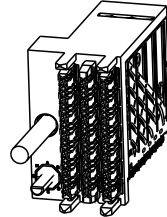
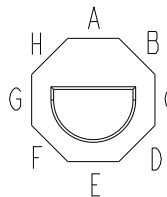
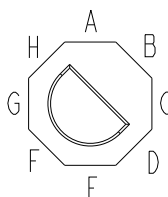
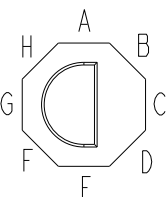
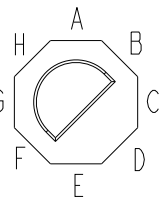
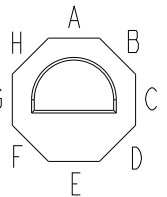
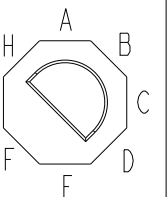
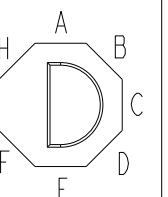
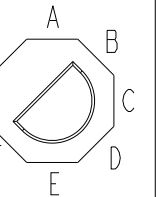
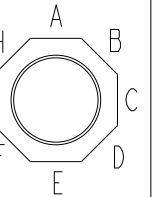
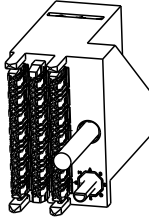
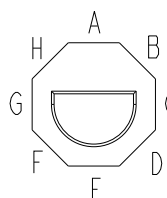
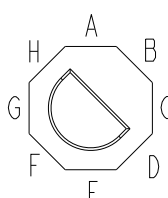
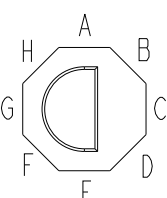
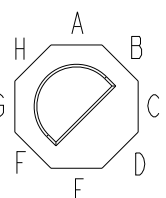
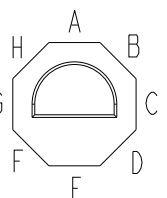
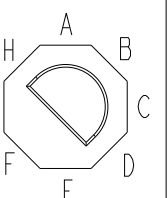
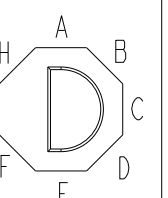
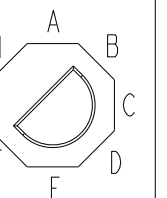
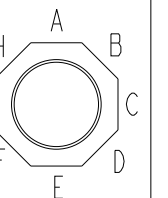
10125350-Y2ALF THRU -Y2JLF  
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE SHEET 1

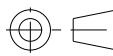
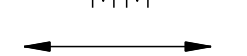
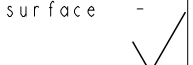
|               |  |                                       |  |        |      |      |              |     |            |          |            |                        |    |                                                           |                |  |                |  |       |               |     |        |  |          |  |  |  |  |  |     |  |
|---------------|--|---------------------------------------|--|--------|------|------|--------------|-----|------------|----------|------------|------------------------|----|-----------------------------------------------------------|----------------|--|----------------|--|-------|---------------|-----|--------|--|----------|--|--|--|--|--|-----|--|
| spec ref      |  | SEE NOTES                             |  |        | dr   |      | N Eppley     |     | 2013/04/29 |          | projection |                        | MM |                                                           | size           |  | A2             |  | scale |               | 6:1 |        |  |          |  |  |  |  |  |     |  |
| tolerance std |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |        | eng  |      | Peng-Bing Fu |     | 2017/10/24 |          |            |                        |    |                                                           | ecn no         |  | ELX-DG-28236-1 |  |       |               |     |        |  |          |  |  |  |  |  |     |  |
| 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 |            |          |            | title                  |    | ExaMAX RIGHT-ANGLE HDR<br>ASSY 6 PR, 120 POS, 6 IMLA, 2MM |                |  |                |  |       |               |     | dwg no |  | 10125350 |  |  |  |  |  | rev |  |
|               |  |                                       |  | 0.XX   |      | ±.10 |              | B   |            |          |            |                        |    |                                                           |                |  |                |  |       |               |     |        |  |          |  |  |  |  |  |     |  |
|               |  | 0.XXX                                 |  | ±.050  |      |      |              |     |            |          |            |                        |    |                                                           |                |  |                |  |       |               |     |        |  |          |  |  |  |  |  |     |  |
|               |  | angular                               |  | 0°     |      | ±°   |              |     |            | cat. no. |            | Product - Customer Drw |    |                                                           |                |  |                |  |       | sheet 8 of 11 |     |        |  |          |  |  |  |  |  |     |  |



10125350 - Y Y Y L F

| ASSEMBLY<br>PART<br>NUMBER | DESCRIPTION                  |
|----------------------------|------------------------------|
| 10125350-1YYLF             | STANDARD MATE                |
| 10125350-2YYLF             | ADVANCED MATE                |
| 10125350-3YYLF             | SHORT DETECT                 |
| 10125350-4YYLF             | ADVANCED MATE & SHORT DETECT |

| MODULE<br>DESCRIPTION                        | DESIGNATION REPRESENTED IN DASH NUMBER                                               |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | BASE<br>MODULE                                                                       |
|----------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| STANDARD<br>NO GUIDANCE<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)                                                                       |  |
|                                              |  |  |  |  |  |  |  |  |  |                                                                                      |

|                                                                                       |  |         |  |                                       |  |       |  |                                                                                       |  |              |  |                                                           |  |                                                                                       |  |                                                                                       |  |            |  |                |  |          |  |        |  |   |  |
|---------------------------------------------------------------------------------------|--|---------|--|---------------------------------------|--|-------|--|---------------------------------------------------------------------------------------|--|--------------|--|-----------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------------|--|----------------|--|----------|--|--------|--|---|--|
| spec ref                                                                              |  |         |  | SEE NOTES                             |  |       |  | dr                                                                                    |  | N Eppley     |  | 2013/04/29                                                |  |  |  |  |  | size       |  | A2             |  | scale    |  | 1:1    |  |   |  |
| tolerance std                                                                         |  |         |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |       |  | eng                                                                                   |  | Peng-Bing Fu |  | 2017/10/24                                                |  |                                                                                       |  |                                                                                       |  | ecn no     |  | ELX-DG-28236-1 |  |          |  |        |  |   |  |
| ASME Y14.5M                                                                           |  |         |  |                                       |  |       |  | chr                                                                                   |  | Justin Chen  |  | 2017/11/29                                                |  | appr                                                                                  |  | Heaven Cen                                                                            |  | 2017/11/30 |  | product family |  |          |  | ExaMAX |  |   |  |
|  |  | linear  |  | 0.X                                   |  | ±.3   |  |  |  | title        |  | ExaMAX RIGHT-ANGLE HDR<br>ASSY 6 PR, 120 POS, 6 IMLA, 2MM |  |                                                                                       |  |                                                                                       |  |            |  | dwg no         |  | 10125350 |  | rev    |  | B |  |
|                                                                                       |  |         |  | 0.XX                                  |  | ±.10  |  |                                                                                       |  |              |  |                                                           |  |                                                                                       |  |                                                                                       |  |            |  |                |  |          |  |        |  |   |  |
|                                                                                       |  |         |  | 0.XXX                                 |  | ±.050 |  |                                                                                       |  |              |  |                                                           |  |                                                                                       |  |                                                                                       |  |            |  |                |  |          |  |        |  |   |  |
|                                                                                       |  | angular |  | 0°                                    |  | ±°    |  |                                                                                       |  | cat. no.     |  | Product - Customer Drw                                    |  |                                                                                       |  | sheet 10 of 11                                                                        |  |            |  |                |  |          |  |        |  |   |  |

- ①- CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
CONTACT: COPPER ALLOY  
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE  
REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096  
INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995)  
CENTRAL OFFICE TEST SEQUENCE  
  
PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE)
- 3 - PRODUCT SPECIFICATION: GS-12-1096
- 4 - APPLICATION SPECIFICATION: GS-20-0361
- 5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
- ⑥- PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦- THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS WILL BE 2.0 mm  
OR 3.0 mm AS DEFINED BY NOTE 7 ON THE MATING RECEPTACLE CUSTOMER  
DRAWING. 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 HEADER, 10125350-2YYLF, WHEN MATED  
WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS  
OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE  
REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑭- THE SHORT DETECT HEADER, 10125350-3YYLF, WHEN MATED  
WITH A STANDARD MATE RECEPTACLE WILL PROVIDE 1 PAIR  
OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE  
REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮- THE ADVANCED MATE/SHORT DETECT HEADER, 10125350-4YYLF, WHEN MATED  
WITH AN ADVANCED MATE RECEPTACLE 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 1.00 MM  
AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑯- FOR CONNECTORS WITH EITHER A RIGHT OF 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 PCB BOARD. SCREWS ARE NOT PROVIDED WITH THE 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 RIGHT ANGLE HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE).
- ⑱- ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED

|   |             |                 |                       |
|---|-------------|-----------------|-----------------------|
| 5 | PDS: Rev :B | STATUS:Released | Printed: Dec 12, 2017 |
|---|-------------|-----------------|-----------------------|