

| LOC |  | DIST |  | REVISIONS |     |                           |           |     |      |  |
|-----|--|------|--|-----------|-----|---------------------------|-----------|-----|------|--|
| AD  |  | 00   |  | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |  |
|     |  |      |  | C         |     | REVISED PER ECO-13-002771 | 19MAR2013 | KH  | RP   |  |
|     |  |      |  | D         |     | REVISED PER ECO-19-009248 | 09JUL2019 | AP  | SY   |  |
|     |  |      |  |           |     |                           |           |     |      |  |
|     |  |      |  |           |     |                           |           |     |      |  |

- 1

MATERIAL:  
CONTACT - PHOS BRONZE  
HOUSING - LCP, UL 94V-0, COLOR - BLACK
- 2

FINISH:  
CONTACT AREA FINISH CONFORMS TO THE REQUIREMENTS  
OF TE PRODUCT SPECIFICATION 108-2303; BASED ON  
TELCORDIA GR-1217-CORE FOR SYSTEM QUALITY  
LEVEL III,APPLICATIONS IN CONTROLLED  
ENVIRONMENTS (CENTRAL OFFICE).  
COMPLIANT PIN AREA- 0.5µm MIN MATTE TIN OVER 1.27µm MIN NICKEL.
- 3

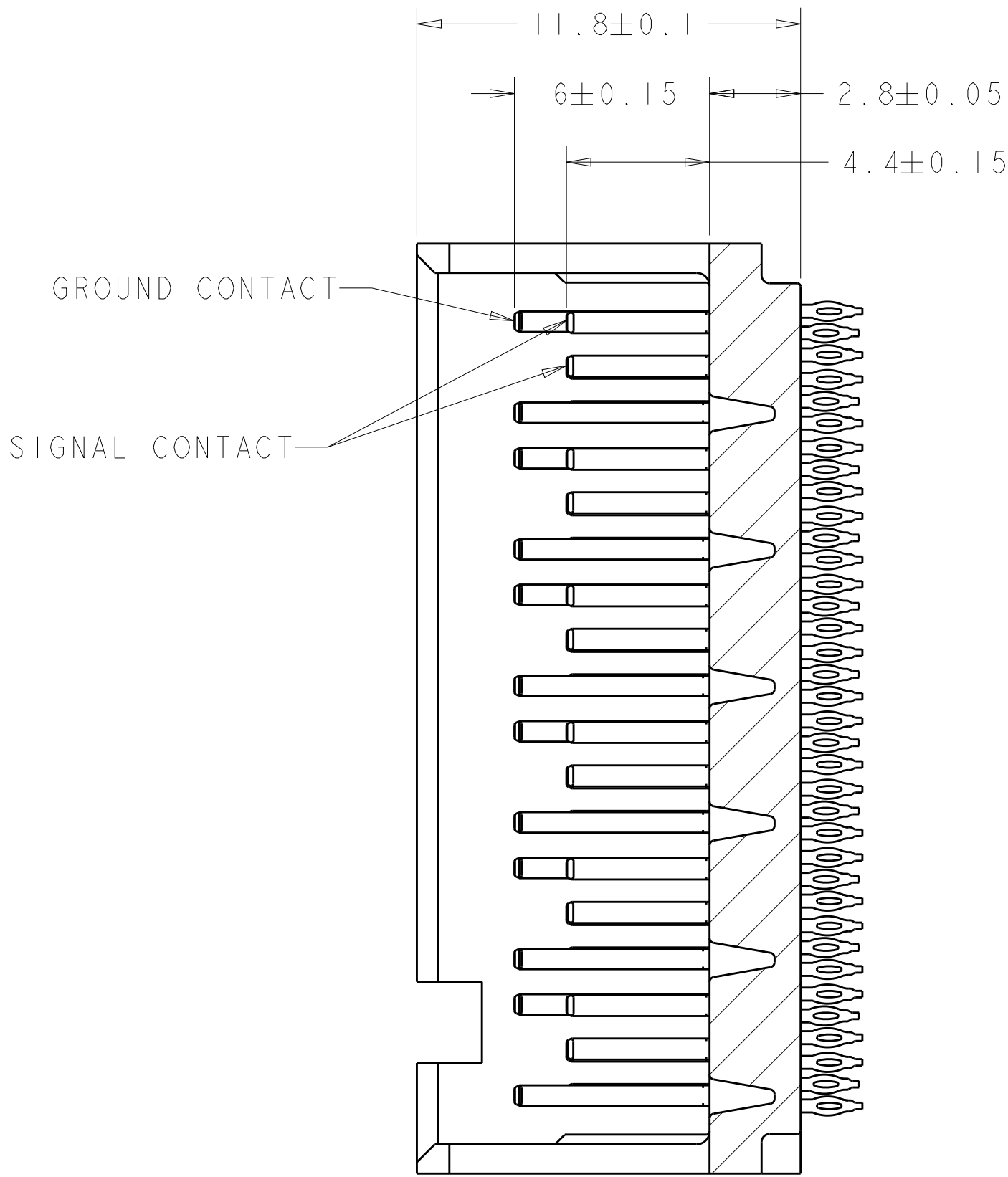
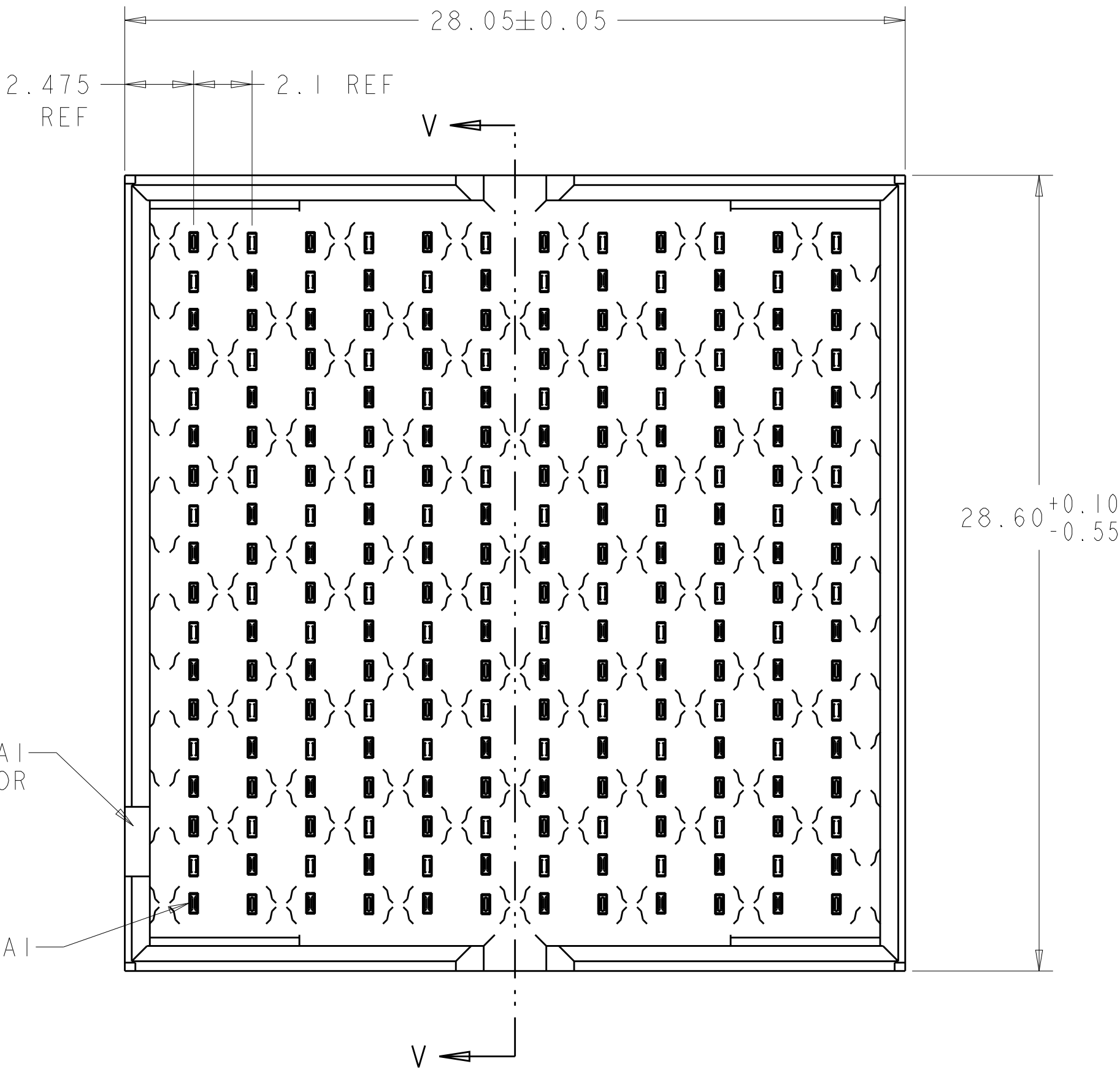
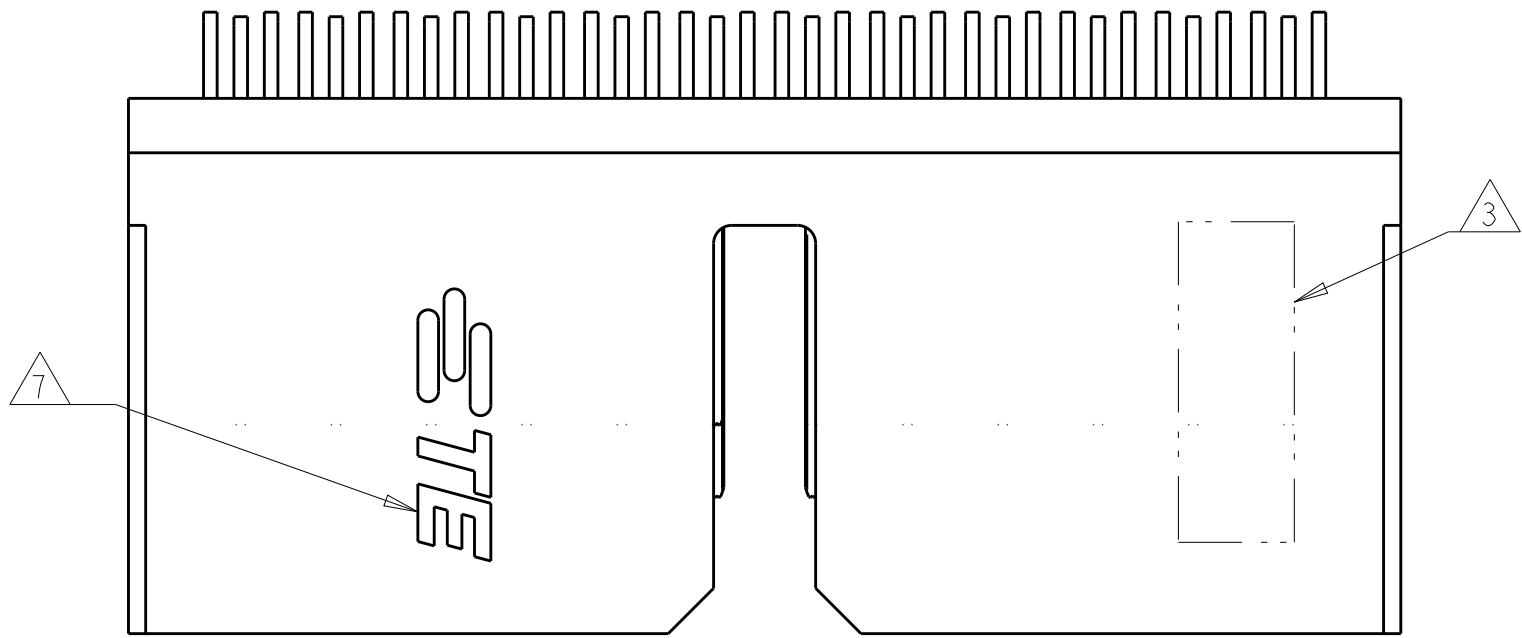
CONNECTOR MARKED WITH PART NUMBER AND DATE CODE  
IN APPROXIMATE AREA SHOWN.
- 4

DATUMS AND BASIC DIMENSIONS ESTABLISHED BY  
CUSTOMER.
- 5

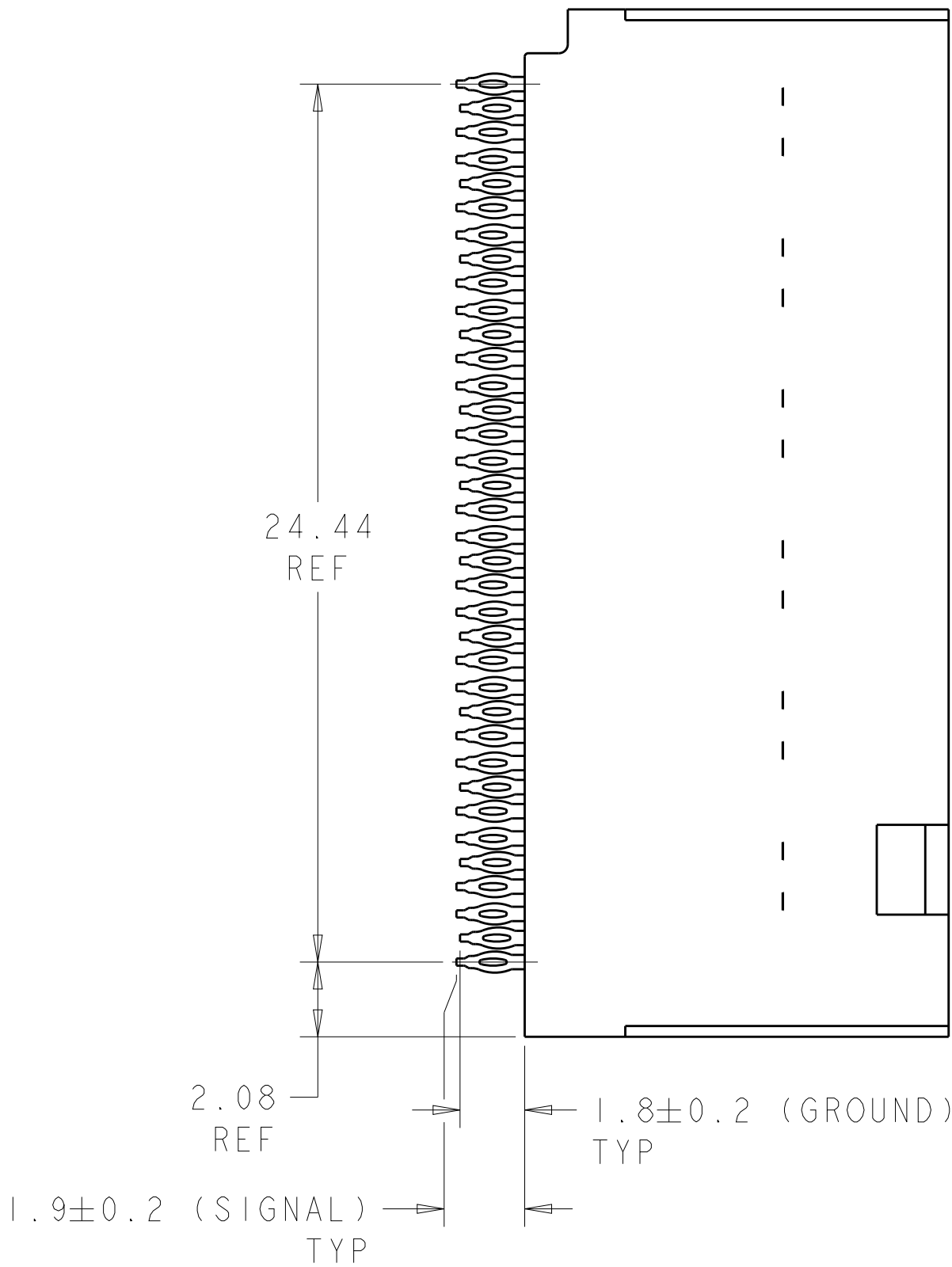
CONTACT AREA LUBRICATED WITH BELLCORE  
APPROVED LUBRICANT. TECHNICAL REFERENCE  
GR-1217-CORE, ISSUE 1, NOVEMBER 1995.
- 6

REFERENCE APPLICATION SPEC 114-13202 FOR RECOMMENDED  
PLATED THRU HOLE DIAMETER AND PLATING THICKNESSES.
- 7

SHOWN LOGO OR OTHER TE OWNED LOGOS IN APPROXIAMATE AREA.



SECTION V-V

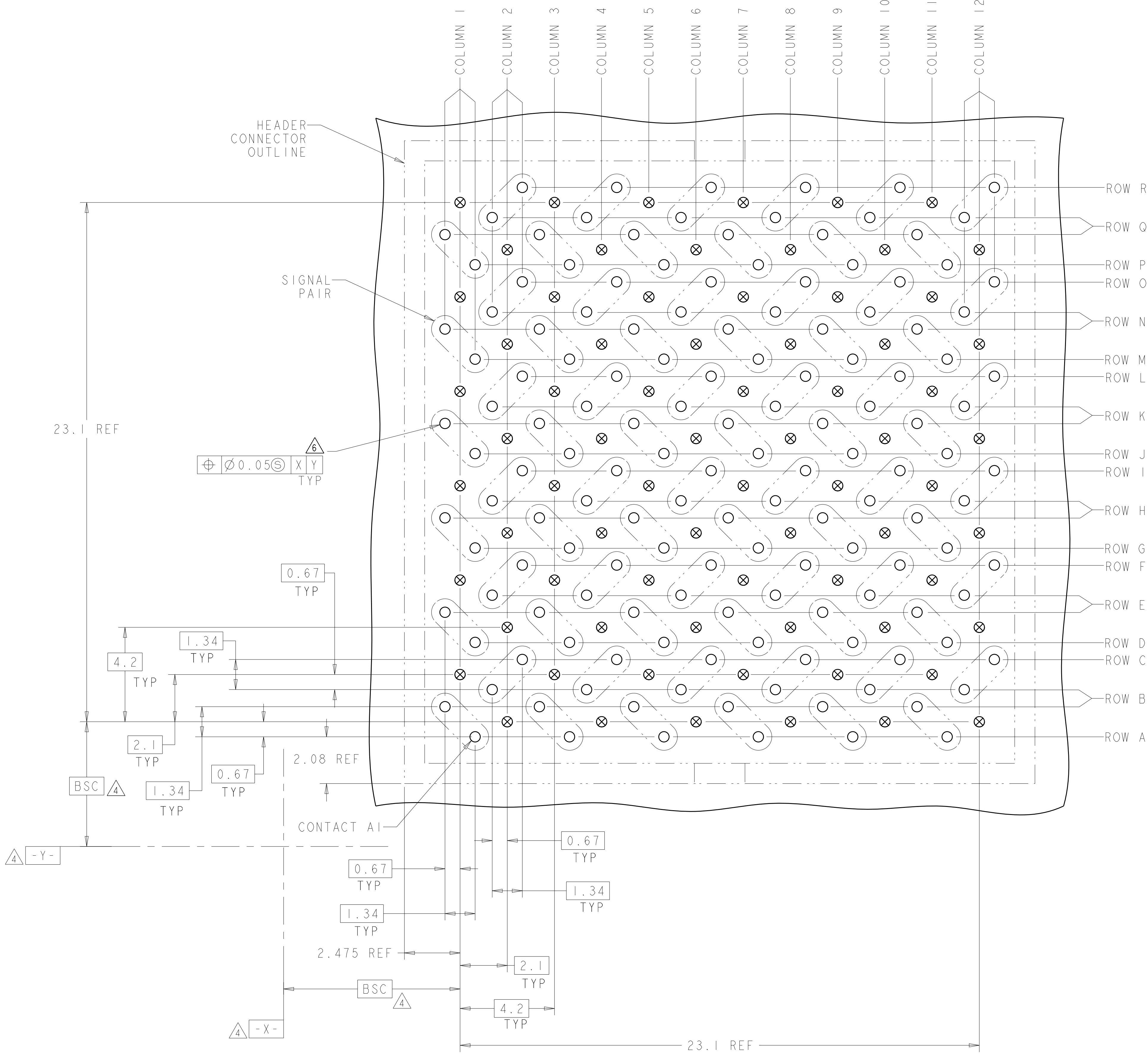


1934608-1  
PART  
NUMBER

|                                                                                       |  |                                                                                       |  |            |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>S. J. MAGARO<br>CHK<br>W. DAVIS<br>APVD<br>-                                   |  | 09JAN2008  |  |  TE Connectivity |  |
| DIMENSIONS:                                                                           |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                |  |            |  | NAME<br><br>HEADER ASSEMBLY,<br>6 PAIR 12 COLUMN, DOUBLE WALL,<br>Z-PACK TinMan ORTHOGONAL            |  |
| mm                                                                                    |  | 0 PLC ±.1<br>1 PLC ±.1<br>2 PLC ±.1<br>3 PLC ±.1<br>4 PLC ±.1<br>ANGLES ±.1<br>FINISH |  |            |  |                                                                                                       |  |
|  |  |                                                                                       |  |            |  | PRODUCT SPEC<br>-                                                                                     |  |
|                                                                                       |  |                                                                                       |  |            |  | APPLICATION SPEC<br>-                                                                                 |  |
| MATERIAL                                                                              |  | WEIGHT                                                                                |  | SIZE       |  | CAGE CODE                                                                                             |  |
|  |  |  |  | DRAWING NO |  | RESTRICTED TO                                                                                         |  |
|                                                                                       |  |                                                                                       |  | A100779    |  | C=1934608                                                                                             |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                       |  | SCALE      |  | SHEET                                                                                                 |  |
|                                                                                       |  |                                                                                       |  | 6:1        |  | 1 OF 5                                                                                                |  |
|                                                                                       |  |                                                                                       |  |            |  | REV D                                                                                                 |  |



| LOC | DIST | REVISIONS |     |             |      |     |
|-----|------|-----------|-----|-------------|------|-----|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN |
| AD  | 00   | -         | -   | SEE SHEET 1 | -    | -   |
|     |      |           |     |             |      |     |
|     |      |           |     |             |      |     |
|     |      |           |     |             |      |     |



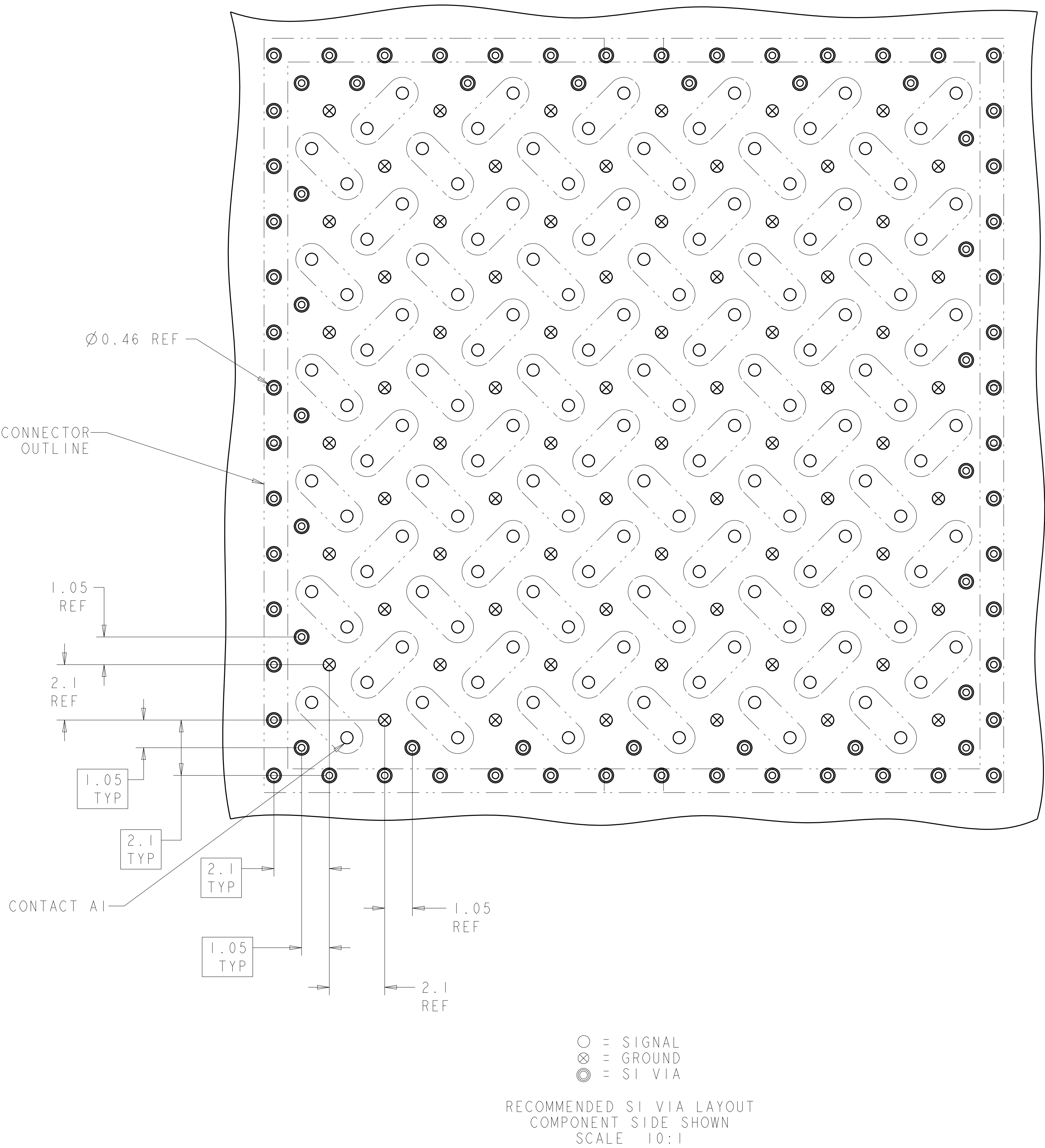
○ = SIGNAL  
⊗ = GROUND

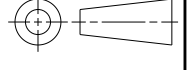
RECOMMENDED PC BOARD LAYOUT  
COMPONENT SIDE SHOWN  
SCALE 10:1  
(FOR RECOMMENDED SI VIAS  
SEE SHEET 3)

|                                        |                                        |                                  |                         |              |
|----------------------------------------|----------------------------------------|----------------------------------|-------------------------|--------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                        | DWN<br>S. J. MAGARO<br>09JAN2008 | NAME<br>TE Connectivity |              |
| DIMENSIONS:                            |                                        | CHK<br>W. DAVIS<br>09JAN2008     |                         |              |
| mm                                     | TOLERANCES UNLESS OTHERWISE SPECIFIED: | APVD                             | PRODUCT SPEC            |              |
|                                        | 0 PLC                                  | ±                                | APPLICATION SPEC        |              |
|                                        | 1 PLC                                  | ±                                |                         |              |
|                                        | 2 PLC                                  | ±                                |                         |              |
|                                        | 3 PLC                                  | ±                                |                         |              |
| MATERIAL                               | 4 PLC                                  | ±                                | SIZE                    | CAGE CODE    |
|                                        | ANGLES                                 | ±                                | 100779                  | 1934608      |
|                                        | FINISH                                 | -                                | WEIGHT                  | -            |
|                                        |                                        | -                                | CUSTOMER DRAWING        |              |
|                                        |                                        | SCALE                            | 6:1                     | SHEET 2 OF 5 |
|                                        |                                        | REV                              | D                       |              |



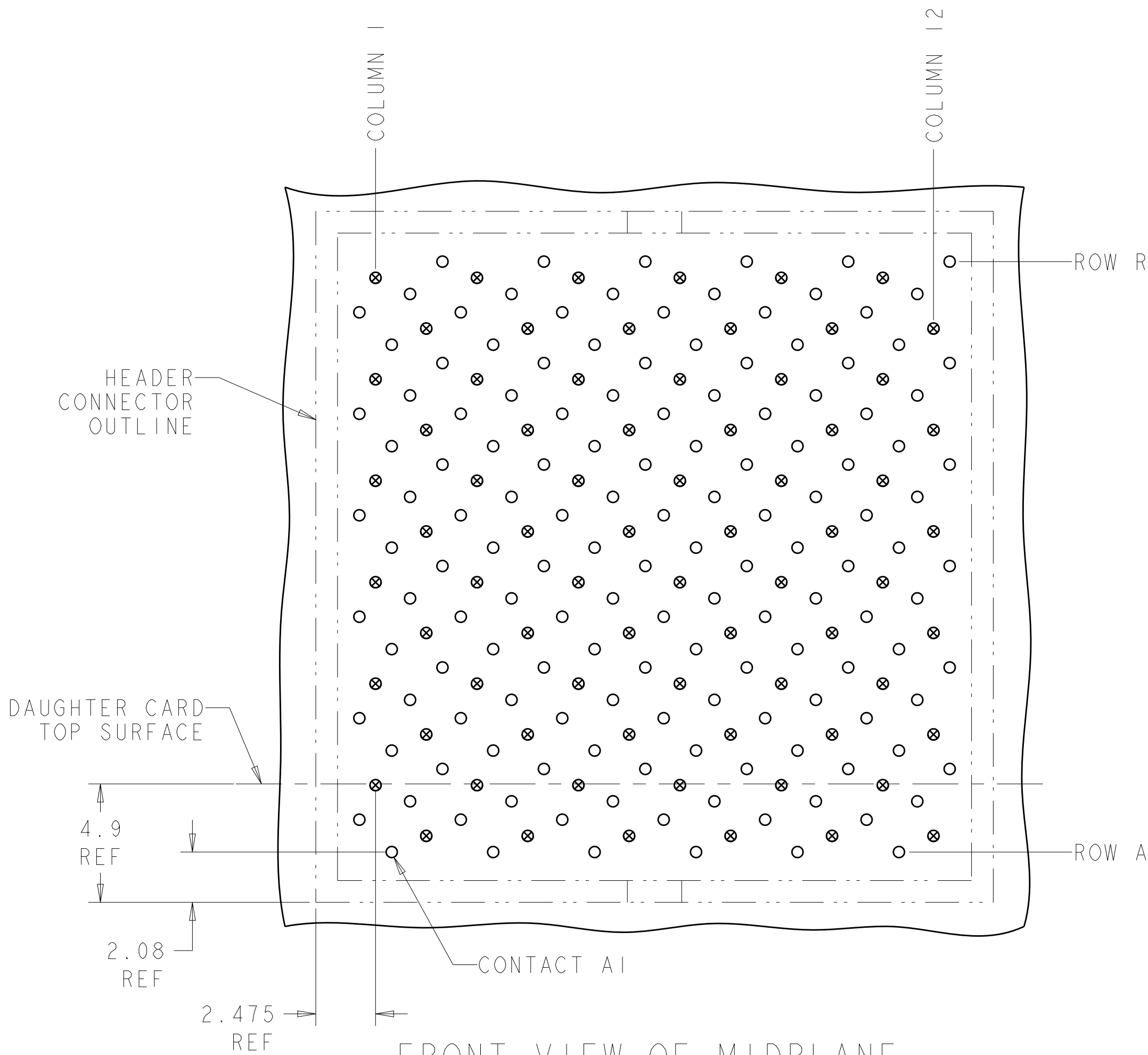
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| AD  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |



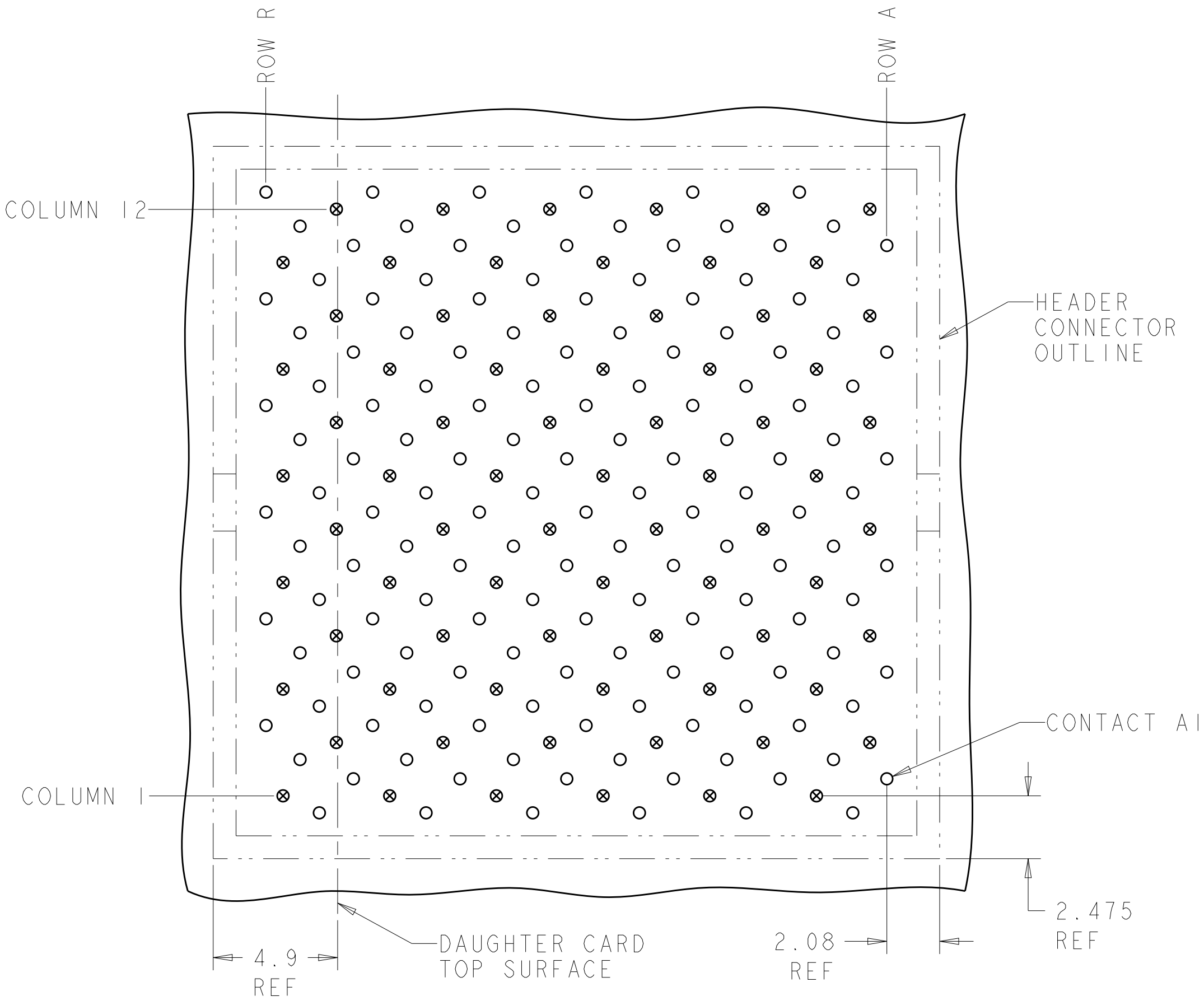
|                                                                                       |  |                                  |                                                                                                       |        |
|---------------------------------------------------------------------------------------|--|----------------------------------|-------------------------------------------------------------------------------------------------------|--------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>S. J. MAGARO<br>09JAN2008 |  TE Connectivity |        |
|                                                                                       |  | CHK<br>W. DAVIS<br>09JAN2008     |                                                                                                       |        |
| DIMENSIONS:                                                                           |  | APVD<br>-                        | NAME                                                                                                  |        |
| mm                                                                                    |  |                                  | PRODUCT SPEC                                                                                          |        |
|  |  |                                  | APPLICATION SPEC                                                                                      |        |
|                                                                                       |  | 0 PLC ±                          | SIZE                                                                                                  |        |
|                                                                                       |  | 1 PLC ±                          | CAGE CODE                                                                                             |        |
|                                                                                       |  | 2 PLC ±                          | DRAWING NO                                                                                            |        |
|                                                                                       |  | 3 PLC ±                          | RESTRICTED TO                                                                                         |        |
|                                                                                       |  | 4 PLC ±                          |                                                                                                       |        |
|                                                                                       |  | ANGLES ±                         |                                                                                                       |        |
|                                                                                       |  | FINISH ±                         |                                                                                                       |        |
| MATERIAL                                                                              |  |                                  | WEIGHT                                                                                                |        |
|                                                                                       |  |                                  | CUSTOMER DRAWING                                                                                      |        |
|                                                                                       |  |                                  | SCALE                                                                                                 | 6:1    |
|                                                                                       |  |                                  | SHEET                                                                                                 | 3 OF 5 |
|                                                                                       |  |                                  | REV                                                                                                   | D      |



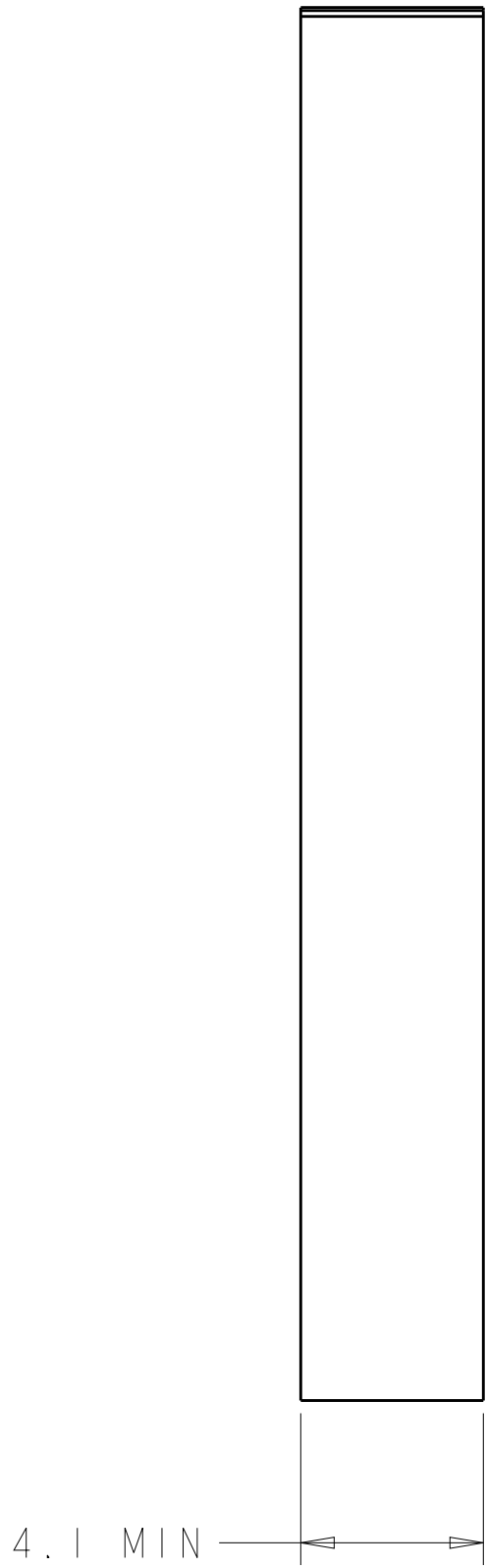
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| AD  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      |           | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |



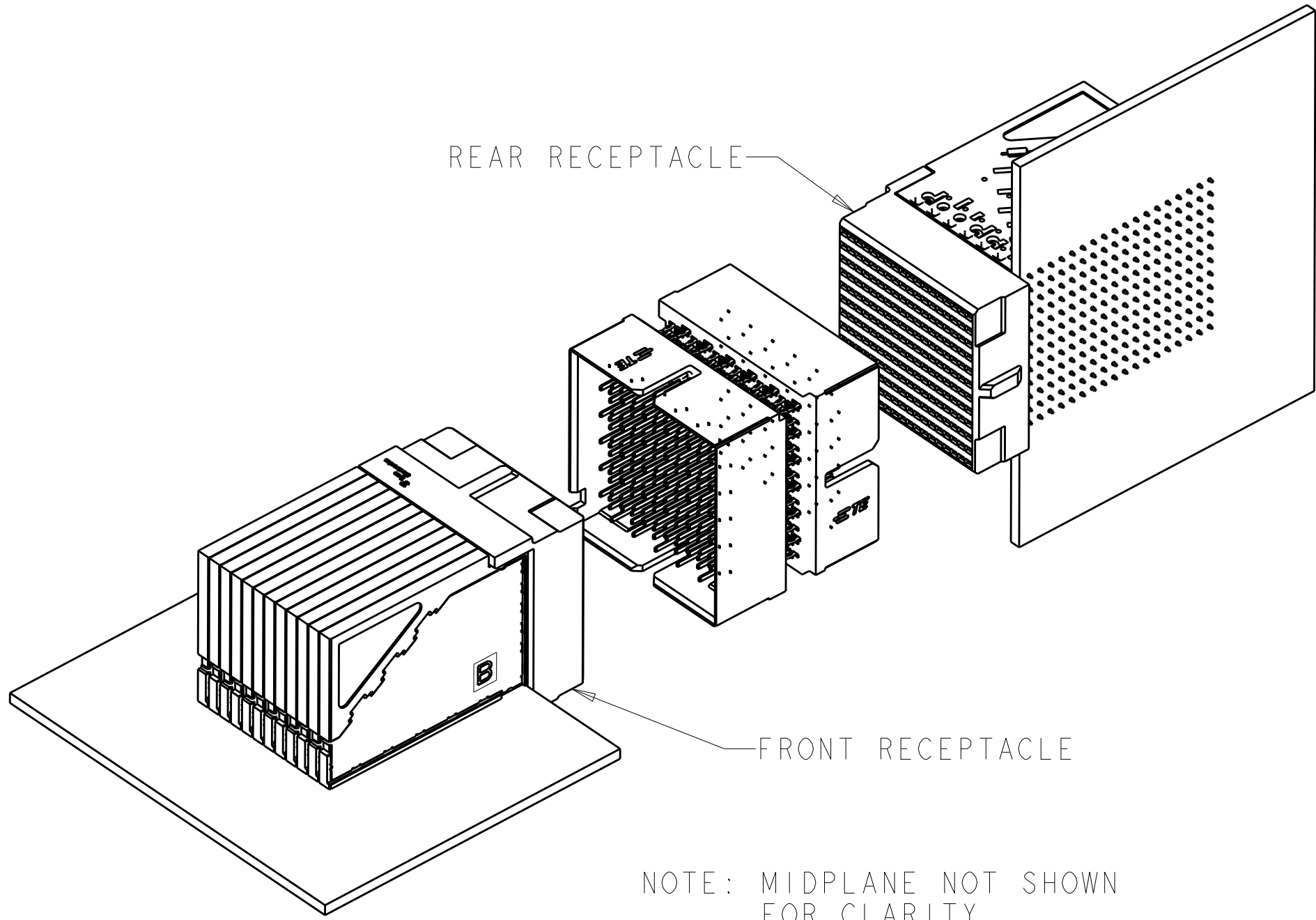
FRONT VIEW OF MIDPLANE  
(HEADER CONNECTOR ROW AND  
COLUMN DESIGNATION SHOWN)



REAR VIEW OF MIDPLANE  
(HEADER CONNECTOR ROW AND  
COLUMN DESIGNATION SHOWN)



4.1 MIN



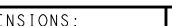
NOTE: MIDPLANE NOT SHOWN  
FOR CLARITY

FRONT SIDE

| 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |    |
|------|------|------|------|------|------|------|------|------|------|------|------|----|
| -    | QP1  | -    | NM1  | -    | KJ1  | -    | HG1  | -    | ED1  | -    | BA1  | QR |
| QR2  | -    | NO2  | -    | KL2  | -    | HI2  | -    | EF2  | -    | BC2  | -    | PQ |
| -    | QP3  | -    | NM3  | -    | KJ3  | -    | HG3  | -    | ED3  | -    | BA3  | NO |
| QR4  | -    | NO4  | -    | KL4  | -    | HI4  | -    | EF4  | -    | BC4  | -    | MN |
| -    | QP5  | -    | NM5  | -    | KJ5  | -    | HG5  | -    | ED5  | -    | BA5  | KL |
| QR6  | -    | NO6  | -    | KL6  | -    | HI6  | -    | EF6  | -    | BC6  | -    | JK |
| -    | QP7  | -    | NM7  | -    | KJ7  | -    | HG7  | -    | ED7  | -    | BA7  | HI |
| QR8  | -    | NO8  | -    | KL8  | -    | HI8  | -    | EF8  | -    | BC8  | -    | GH |
| -    | QP9  | -    | NM9  | -    | KJ9  | -    | HG9  | -    | ED9  | -    | BA9  | EF |
| QR10 | -    | NO10 | -    | KL10 | -    | HI10 | -    | EF10 | -    | BC10 | -    | DE |
| -    | QP11 | -    | NM11 | -    | KJ11 | -    | HG11 | -    | ED11 | -    | BA11 | BC |
| QR12 | -    | NO12 | -    | KL12 | -    | HI12 | -    | EF12 | -    | BC12 | -    | AB |

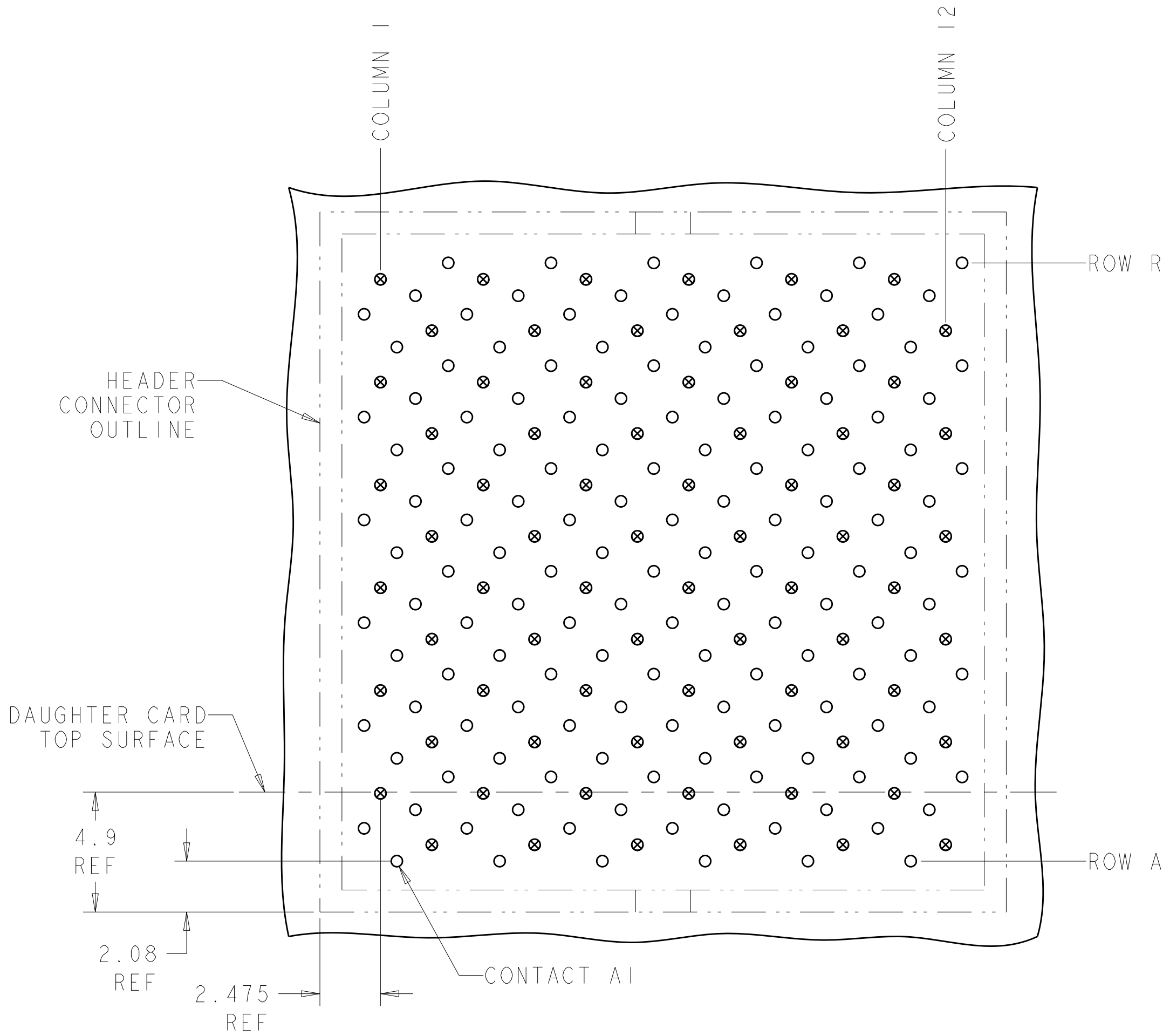
REAR SIDE

SIGNAL ROUTING TABLE  
(EXAMPLE: SIGNAL PAIR ABI ON FRONT RECEPTACLE  
MAPS TO SIGNAL PAIR QR12 ON REAR RECEPTACLE)

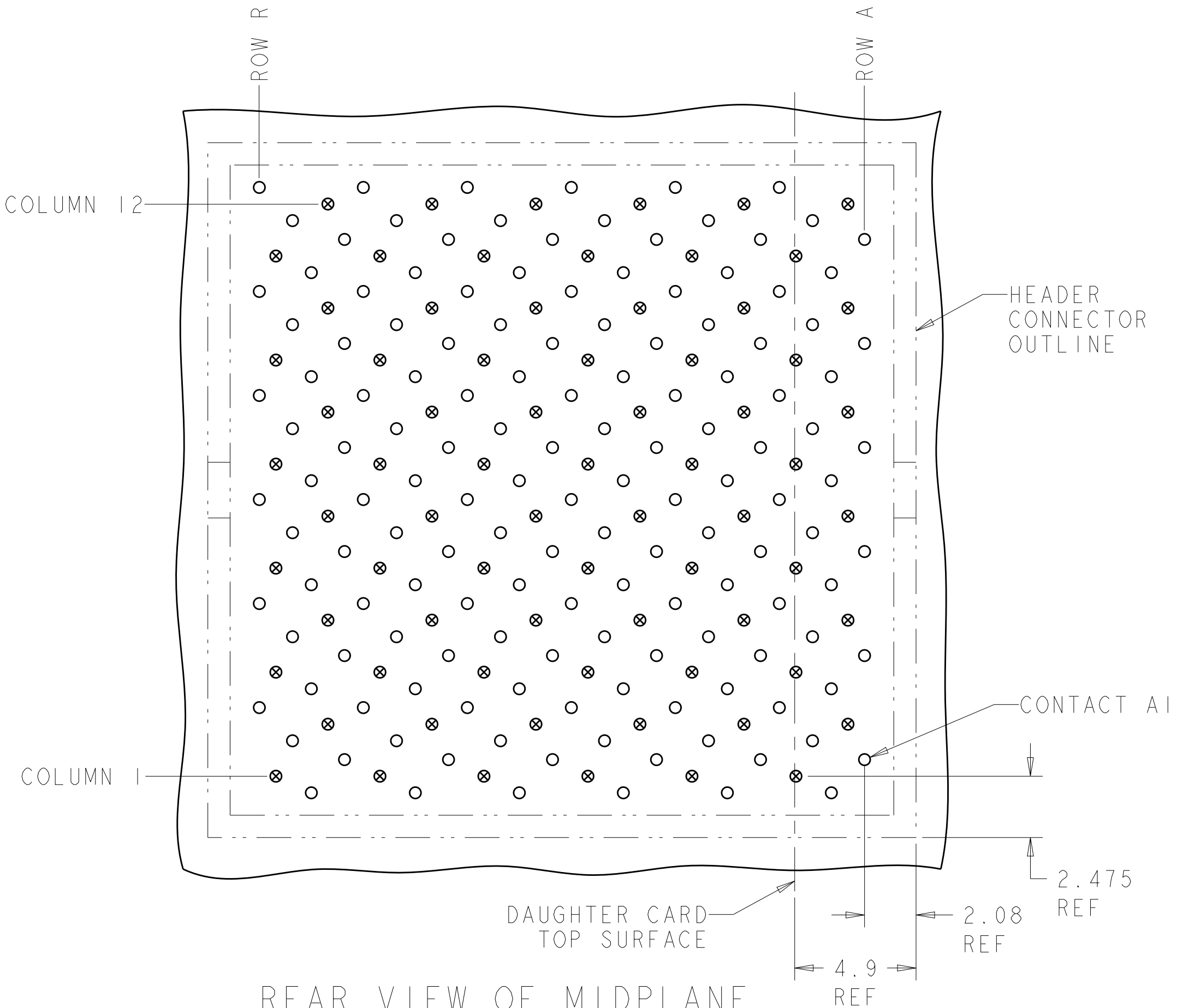
|                                        |                                                                                       |                                                               |                                 |                                                                                                       |  |
|----------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |                                                                                       | DWN<br>S. J. MAGARO<br>CHK<br>W. DAVIS                        | 09JAN2008<br>09JAN2008          |  TE Connectivity |  |
| DIMENSIONS:<br>mm                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                        |                                 | NAME                                                                                                  |  |
|                                        |                                                                                       | 0 PLC<br>1 PLC<br>2 PLC<br>3 PLC<br>4 PLC<br>ANGLES<br>FINISH | ±<br>±<br>±<br>±<br>±<br>±<br>± | PRODUCT SPEC<br>6 PAIR 12 COLUMN, DOUBLE WALL,<br>Z-PACK TinMan ORTHOGONAL                            |  |
| MATERIAL                               |  | APPLICATION SPEC                                              |                                 | SIZE                                                                                                  |  |
|                                        |                                                                                       | WEIGHT                                                        |                                 | CAGE CODE DRAWING NO                                                                                  |  |
| CUSTOMER DRAWING                       |                                                                                       | RESTRICTED TO                                                 |                                 |                                                                                                       |  |
|                                        |                                                                                       | A100779C=1934608                                              |                                 |                                                                                                       |  |
|                                        |                                                                                       | SCALE 6:1 SHEET 4 OF 5 REV D                                  |                                 |                                                                                                       |  |
|                                        |                                                                                       |                                                               |                                 |                                                                                                       |  |



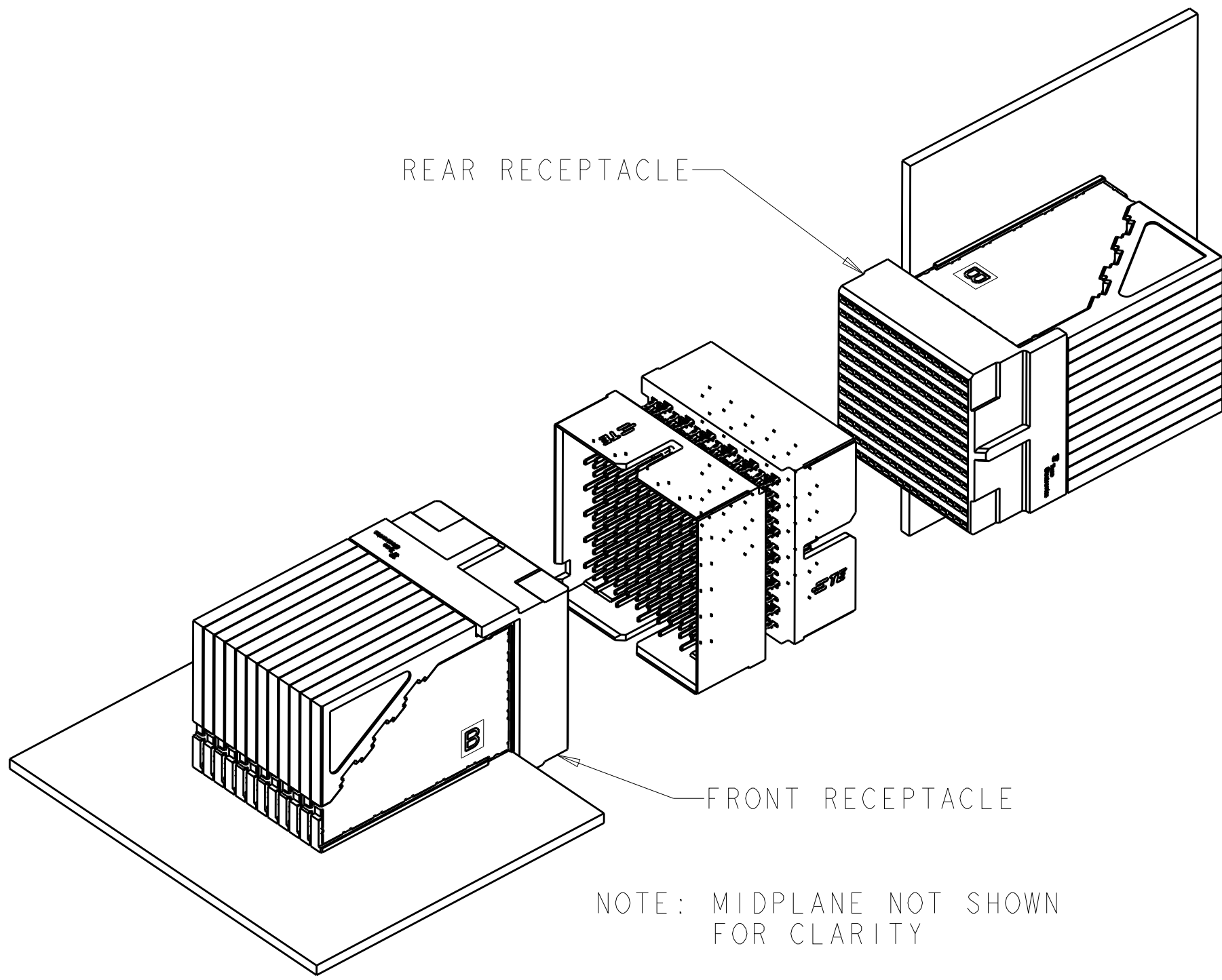
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| AD  | 00   | -         |     | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |
|     |      |           |     |             |      |     |      |



FRONT VIEW OF MIDPLANE  
(HEADER CONNECTOR ROW AND  
COLUMN DESIGNATION SHOWN)



REAR VIEW OF MIDPLANE  
(HEADER CONNECTOR ROW AND  
COLUMN DESIGNATION SHOWN)



NOTE: MIDPLANE NOT SHOWN  
FOR CLARITY

| FRONT SIDE |      |      |      |      |      |      |      |      |      |      |      |    |
|------------|------|------|------|------|------|------|------|------|------|------|------|----|
| 1          | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |    |
| -          | BC12 | -    | EF12 | -    | HI12 | -    | KL12 | -    | NO12 | -    | QR12 | QR |
| BA11       | -    | ED11 | -    | HG11 | -    | KJ11 | -    | NM11 | -    | QP11 | -    | PQ |
| -          | BC10 | -    | EF10 | -    | HI10 | -    | KL10 | -    | NO10 | -    | QR10 | NO |
| BA9        | -    | ED9  | -    | HG9  | -    | KJ9  | -    | NM9  | -    | QP9  | -    | MN |
| -          | BC8  | -    | EF8  | -    | HI8  | -    | KL8  | -    | NO8  | -    | QR8  | KL |
| BA7        | -    | ED7  | -    | HG7  | -    | KJ7  | -    | NM7  | -    | QP7  | -    | JK |
| -          | BC6  | -    | EF6  | -    | HI6  | -    | KL6  | -    | NO6  | -    | QR6  | HI |
| BA5        | -    | ED5  | -    | HG5  | -    | KJ5  | -    | NM5  | -    | QP5  | -    | GH |
| -          | BC4  | -    | EF4  | -    | HI4  | -    | KL4  | -    | NO4  | -    | QR4  | EF |
| BA3        | -    | ED3  | -    | HG3  | -    | KJ3  | -    | NM3  | -    | QP3  | -    | DE |
| -          | BC2  | -    | EF2  | -    | HI2  | -    | KL2  | -    | NO2  | -    | QR2  | BC |
| BA1        | -    | ED1  | -    | HG1  | -    | KJ1  | -    | NM1  | -    | QP1  | -    | AB |

| REAR SIDE |      |      |      |      |      |      |      |      |      |      |      |    |
|-----------|------|------|------|------|------|------|------|------|------|------|------|----|
| 1         | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   |    |
| -         | BC12 | -    | EF12 | -    | HI12 | -    | KL12 | -    | NO12 | -    | QR12 | QR |
| BA11      | -    | ED11 | -    | HG11 | -    | KJ11 | -    | NM11 | -    | QP11 | -    | PQ |
| -         | BC10 | -    | EF10 | -    | HI10 | -    | KL10 | -    | NO10 | -    | QR10 | NO |
| BA9       | -    | ED9  | -    | HG9  | -    | KJ9  | -    | NM9  | -    | QP9  | -    | MN |
| -         | BC8  | -    | EF8  | -    | HI8  | -    | KL8  | -    | NO8  | -    | QR8  | KL |
| BA7       | -    | ED7  | -    | HG7  | -    | KJ7  | -    | NM7  | -    | QP7  | -    | JK |
| -         | BC6  | -    | EF6  | -    | HI6  | -    | KL6  | -    | NO6  | -    | QR6  | HI |
| BA5       | -    | ED5  | -    | HG5  | -    | KJ5  | -    | NM5  | -    | QP5  | -    | GH |
| -         | BC4  | -    | EF4  | -    | HI4  | -    | KL4  | -    | NO4  | -    | QR4  | EF |
| BA3       | -    | ED3  | -    | HG3  | -    | KJ3  | -    | NM3  | -    | QP3  | -    | DE |
| -         | BC2  | -    | EF2  | -    | HI2  | -    | KL2  | -    | NO2  | -    | QR2  | BC |
| BA1       | -    | ED1  | -    | HG1  | -    | KJ1  | -    | NM1  | -    | QP1  | -    | AB |

REAR SIDE

SIGNAL ROUTING TABLE  
(EXAMPLE: SIGNAL PAIR ABI ON FRONT RECEPTACLE  
MAPS TO SIGNAL PAIR BAI ON REAR RECEPTACLE)

|                                        |  |                                                                             |                        |                  |  |  |  |
|----------------------------------------|--|-----------------------------------------------------------------------------|------------------------|------------------|--|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>S. J. MAGARO<br>CHK<br>W. DAVIS                                      | 09JAN2008<br>09JAN2008 | TE Connectivity  |  |  |  |
| DIMENSIONS:                            |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                      |                        | NAME             |  |  |  |
| mm                                     |  | 0 PLC ±<br>1 PLC ±<br>2 PLC ±<br>3 PLC ±<br>4 PLC ±<br>ANGLES ±<br>FINISH ± |                        | PRODUCT SPEC     |  |  |  |
| MATERIAL                               |  | -                                                                           |                        | APPLICATION SPEC |  |  |  |
| -                                      |  | -                                                                           |                        | WEIGHT           |  |  |  |
| -                                      |  | -                                                                           |                        | CUSTOMER DRAWING |  |  |  |
| -                                      |  | -                                                                           |                        | SIZE             |  |  |  |
| -                                      |  | -                                                                           |                        | CAGE CODE        |  |  |  |
| -                                      |  | -                                                                           |                        | DRAWING NO       |  |  |  |
| -                                      |  | -                                                                           |                        | RESTRICTED TO    |  |  |  |
| -                                      |  | -                                                                           |                        | A100779C=1934608 |  |  |  |
| -                                      |  | -                                                                           |                        | SCALE            |  |  |  |
| -                                      |  | -                                                                           |                        | 6:1              |  |  |  |
| -                                      |  | -                                                                           |                        | SHEET            |  |  |  |
| -                                      |  | -                                                                           |                        | 5 OF 5           |  |  |  |
| -                                      |  | -                                                                           |                        | REV              |  |  |  |
| -                                      |  | -                                                                           |                        | D                |  |  |  |