


| LOC |    | DIST |     | REVISIONS             |           |     |      |
|-----|----|------|-----|-----------------------|-----------|-----|------|
| ES  | 00 | P    | LTH | DESCRIPTION           | DATE      | DWN | APVD |
|     |    | J9   |     | REV PER ECR-12-020199 | 22NOV2012 | CZ  | SZ   |
|     |    |      |     |                       |           |     |      |
|     |    |      |     |                       |           |     |      |



|  |  |                  |           |   |
|--|--|------------------|-----------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>D. ZHU    | Z0DEC2007 |  TE Connectivity |
| DIMENSIONS:<br>INCHES                  |  | CHK<br>S. ZHAO   | Z0DEC2007 |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD<br>S. ZHAO  | NAME      | VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE                                       |
| 0 PLC ± .01                            |  | PRODUCT SPEC     | 108-2292  |   |
| 1 PLC ± .01                            |  | APPLICATION SPEC | 114-13251 | SIZE CAGE CODE DRAWING NO   |
| 2 PLC ± .005                           |  | WEIGHT           | -         | A100779C=6450860  |
| 3 PLC ± .0020                          |  | FINISH           | -         | SCALE N/A SHEET 1 OF 28 REV K2  |
| ANGLES ± .7°                           |  | CUSTOMER DRAWING |           |   |

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTN | DESCRIPTION | DATE | OWN | APVD |
| ES  | 00   | -         | -   | SEE SHEET 1 | -    | -   | -    |

- ① "AMP", PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES
- ② MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-O, BLACK.  
 SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY  
 POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY  
 LP CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- ③ CONTACT PLATING - NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS
- ④ MECHANICAL CONNECTOR KEEP OUT ZONE
- ⑤ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
- ⑥ PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES
- ⑦ PCB - 0.0453 ±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 HOLE
- ⑧ FOR P/S/LP CONFIGURATION, PLEASE REFER TO SHEET 3.
- ⑨ FOR LP/S/P CONFIGURATION, PLEASE REFER TO SHEET 3.
- ⑩ VARIABLE DIMENSIONS SHOW ON TABLE.
- ⑪ FOR LP/S/LP CONFIGURATION, PLEASE REFER TO SHEET 3.
- ⑫ SPECIAL DIMENSIONS SEE SHEET 3
- ⑬ RECOMMEND USING CUSTOMER SUPPLIED SCREWS TO SECURE TO BOARD TYCO P/N: 19024-2. RECOMMEND TORQUE IS TBD. ASSUMING A CARD THICKNESS OF TBD, FINAL SCREW LENGTH AND CARD THICKNESS ARE FACTORS TO BE CONSIDERED IF APPLYING A SCREW FOR AN APPLICATION AND MAY VARY FOR EACH APPLICATION.

| D     | T     | S     | K     | U     | W      | R      | L     | DESCRIPTION          | PART NUMBER |
|-------|-------|-------|-------|-------|--------|--------|-------|----------------------|-------------|
| 1.850 | .250  | .250  | .170  | 1.690 | .425   | 1.100  | 2.040 | 2P + 24S + 2P        | 5-6450860-2 |
| 1.185 | -     | -     | .1025 | 1.025 | .2725  | .705   | 1.375 | 2LP + 16S + 2LP      | 4-6450860-8 |
| 2.850 | .250  | .250  | .170  | 2.690 | .925   | 1.600  | 3.040 | 4P + 24S + 4P        | 4-6450860-7 |
| 2.150 | .250  | .250  | .170  | 1.990 | .475   | 1.400  | 2.340 | 2P + 32S + 2P        | 4-6450860-6 |
| 2.705 | .115  | .170  | .170  | 2.545 | 1.800  | 2.1575 | 2.895 | 3ACP+3P+12S+2LP      | 4-6450860-5 |
| 4.450 | .250  | .250  | .170  | 4.290 | 1.925  | 2.200  | 4.640 | 8P + 8S + 8P         | 4-6450860-4 |
| 1.400 | .250  | .250  | .145  | 1.240 | .425   | .700   | 1.590 | 2P + 8S + 2P         | 4-6450860-3 |
| 1.330 | .250  | -     | .1275 | 1.170 | .2725  | .5725  | 1.520 | 2LP + 8S + 2P        | 4-6450860-2 |
| 2.400 | .200  | .200  | .145  | 2.240 | .775   | 1.350  | 2.590 | 4HDP + 20S + 4HDP    | 4-6450860-1 |
| 1.350 | -     | -     | .170  | 1.190 | .175   | .850   | 1.540 | 1P + 24S + 1P        | 4-6450860-0 |
| 1.360 | -     | .230  | .1275 | 1.200 | .4775  | .8525  | 1.550 | 4LP + 12S + 1P       | 3-6450860-9 |
| 2.550 | .250  | .250  | .170  | 2.390 | .475   | 1.800  | 2.740 | 2P + 48S + 2P        | 3-6450860-6 |
| 3.850 | .250  | .250  | .170  | 3.690 | 1.425  | 2.100  | 4.040 | 6P + 24S + 6P        | 3-6450860-5 |
| 1.075 | -     | -     | .1025 | .915  | .2725  | .480   | 1.265 | 2LP + 8S + 3LP       | 3-6450860-4 |
| 1.330 | .250  | -     | .1275 | 1.170 | .2725  | .5725  | 1.520 | 2LP + 8S + 2P        | 3-6450860-3 |
| 1.800 | .250  | .250  | .220  | 1.640 | .450   | .950   | 1.990 | 2P + 16S + 2P        | 3-6450860-2 |
| 2.870 | .230  | .230  | .1525 | 2.710 | .6550  | 2.2125 | 3.060 | 4LP + 60S + 4LP      | 3-6450860-1 |
| .975  | -     | -     | .1025 | .815  | .2725  | .380   | 1.165 | 2LP + 4S + 3LP       | 3-6450860-0 |
| 1.950 | .250  | .250  | .170  | 1.790 | .475   | 1.200  | 2.140 | 2P + 24S + 2P        | 2-6450860-9 |
| 2.550 | .250  | .250  | .170  | 2.390 | .925   | 1.300  | 2.740 | 4P + 12S + 4P        | 2-6450860-8 |
| 5.635 | .250  | .250  | .170  | 5.475 | .475   | 1.885  | 5.825 | 2P + 32S + 4LP + 14P | 2-6450860-6 |
| 3.570 | .250  | .230  | .1525 | 3.410 | 2.1125 | 2.8375 | 3.760 | 18LP + 24S + 2P      | 2-6450860-5 |
| 6.050 | .250  | .250  | .145  | 5.890 | 1.950  | 3.850  | 6.240 | 8P + 72S + 8P        | 2-6450860-1 |
| 1.950 | .250  | .250  | .170  | 1.790 | .475   | 1.200  | 2.140 | 2P + 24S + 2P        | 2-6450860-0 |
| 3.350 | .200  | .200  | .170  | 3.190 | 1.175  | 1.850  | 3.540 | 6HDP + 24S + 6HDP    | 1-6450860-7 |
| -     | .250  | .230  | .1275 | 2.205 | .7325  | 1.4075 | 2.555 | 6LP + 24S + 3P       | 1-6450860-6 |
| 2.450 | .200  | .200  | .170  | 2.290 | .775   | 1.350  | 2.640 | 4HDP + 20S + 4HDP    | 1-6450860-5 |
| 2.150 | .200  | .200  | .170  | 1.990 | .775   | 1.050  | 2.340 | 4HDP + 8S + 4HDP     | 1-6450860-4 |
| 2.450 | -.170 | .250  | .170  | 2.290 | .925   | 1.200  | 2.640 | 4P + 8S + 4P         | 1-6450860-3 |
| 3.450 | -.170 | .250  | .170  | 3.290 | 1.425  | 1.700  | 3.640 | 6P + 8S + 6P         | 1-6450860-2 |
| 2.800 | .300  | .250  | .170  | 2.640 | .925   | 1.700  | 2.990 | 4P + 28S + 3ACP      | 1-6450860-0 |
| 2.510 | -     | -     | .170  | 2.350 | .455   | 1.6875 | 2.700 | 1P+2LP+48S+2LP+1P    | 6450860-9   |
| 2.800 | .300  | .250  | .170  | 2.640 | .925   | 1.700  | 2.990 | 4P + 28S + 3ACP      | 6450860-7   |
| 2.425 | .250  | .300  | .170  | 2.265 | .500   | 1.175  | 2.615 | 2ACP + 24S + 4P      | 6450860-6   |
| 3.665 | -.230 | .1025 | .170  | 3.505 | .7325  | 1.4075 | 3.855 | 6LP + 24S + 10P      | 6450860-5   |
| 2.530 | -.170 | .250  | .170  | 2.370 | 1.175  | 1.9825 | 2.720 | 5P + 32S + 2LP       | 6450860-4   |
| 5.545 | .230  | .250  | .195  | 5.385 | 2.975  | 4.2325 | 5.735 | 12P + 48S + 8LP      | 6450860-3   |
| 5.200 | .200  | .300  | .195  | 5.040 | 1.150  | 2.475  | 5.390 | 4ACP + 48S + 12HDP   | 6450860-2   |
| .985  | -     | -     | .1025 | .825  | .2725  | .505   | 1.175 | 2LP + 8S + 2LP       | 6450860-1   |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

|        |        |
|--------|--------|
| 0 PLC  | ±.01   |
| 1 PLC  | ±.01   |
| 2 PLC  | ±.01   |
| 3 PLC  | ±.005  |
| 4 PLC  | ±.0020 |
| ANGLES | ±.0020 |
| FINISH | ±.0020 |

MATERIAL: - FINISH: -

OWN: D. ZHU ZODEC2007  
 CH: S. ZHAO ZODEC2007  
 APVD: S. ZHAO

PRODUCT SPEC: 108-2292  
 APPLICATION SPEC: 114-13251

SIZE: A1 CAGE CODE: 100779 DRAWING NO: 6450860

RESTRICTED TO: -

CUSTOMER DRAWING SCALE: N/A SHEET: 2 OF 28 REV: K2

**STE** TE Connectivity  
 VER RECP ASSEMBLY  
 SHORT GUIDES, PRESS FIT  
 MULTI-BEAM XLE

| LOC |    | DIST |     | REVISIONS   |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| ES  | 00 | P    | LTM | DESCRIPTION | DATE | DWN | APVD |
|     |    | -    |     | SEE SHEET 1 |      |     |      |



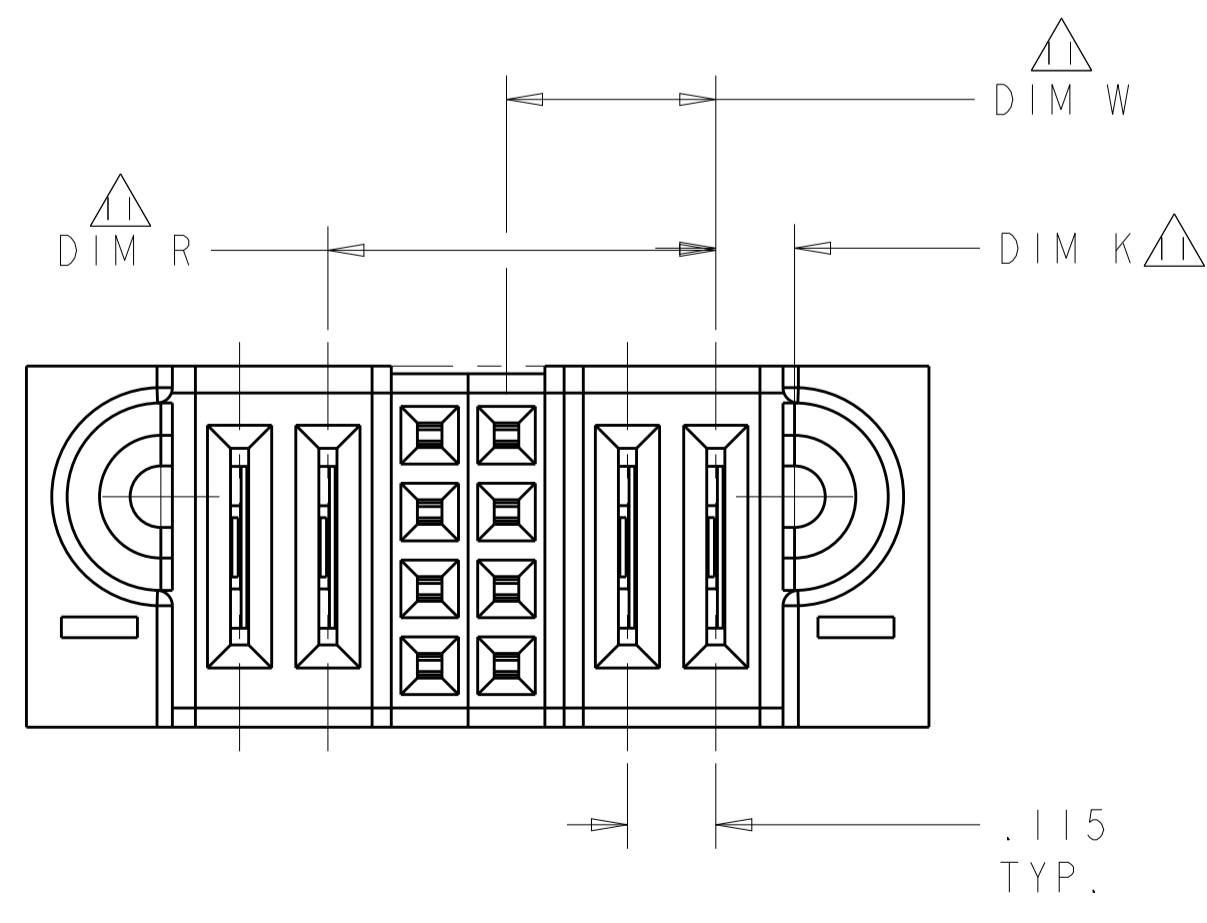
FOR P/S/LP CONFIGURATION  
 UNSPECIFIED DIMENSION REFER TO SHEET 1



FOR LP/S/P CONFIGURATION  
 UNSPECIFIED DIMENSION REFER TO SHEET 1



FOR PART 2-6450860-6

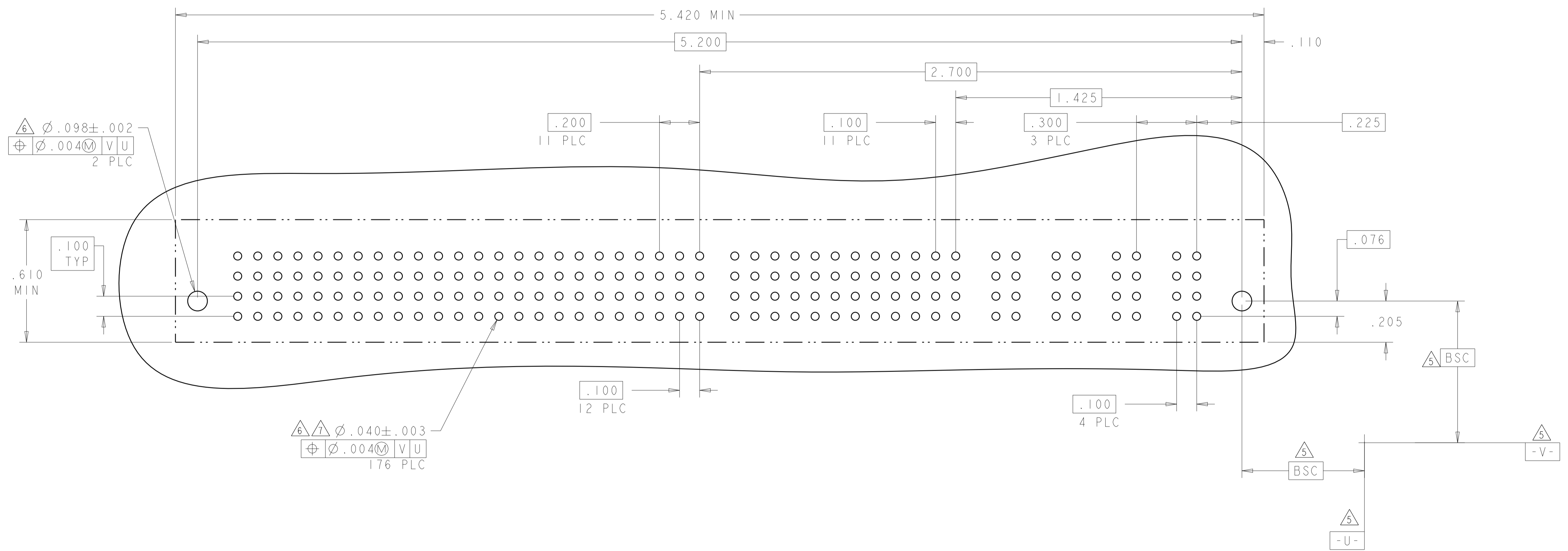


FOR LP/S/LP(6450860-1 AND 3-6450860-0) CONFIGURATION  
 UNSPECIFIED DIM REFER TO SHEET 1

|  |  |                  |           |                             |   |
|--|--|------------------|-----------|-----------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN: D. ZHU      | 20DEC2007 |                             | TE Connectivity   |
| DIMENSIONS: INCHES                     |  | CHK: S. ZHAO     | 20DEC2007 |                             | NAME: VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD: S. ZHAO    |           | PRODUCT SPEC: 108-2292      |   |
| 0 PLC ±.01                             |  |                  |           | APPLICATION SPEC: 114-13251 |   |
| 1 PLC ±.01                             |  |                  |           | SIZE: A1                    |   |
| 2 PLC ±.005                            |  |                  |           | CAGE CODE: 6450860          |   |
| 3 PLC ±.002                            |  |                  |           | DRAWING NO: 100779          |   |
| 4 PLC ±.0020                           |  |                  |           | SCALE: N/A                  |   |
| ANGLES: ±.7°                           |  |                  |           | SHEET 3 OF 28               |   |
| FINISH: -                              |  |                  |           | REV: K2                     |   |
| MATERIAL: -                            |  | CUSTOMER DRAWING |           | RESTRICTED TO: -            |   |

| LOC |    | DIST |     | REVISIONS   |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| ES  | 00 | P    | LTH | DESCRIPTION | DATE | DWN | APVD |
| -   | -  | -    | -   | SEE SHEET 1 | -    | -   | -    |
|     |    |      |     |             |      |     |      |
|     |    |      |     |             |      |     |      |

| PART NUMBER        | ROWS             | POWER |     |     |     |     |     |     |    |    |    |    |    | SIGNAL |    |    |    |    |    |    |    |    |    |    |    | POWER |    |    |    |
|--------------------|------------------|-------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|----|-------|----|----|----|
|                    |                  | P16   | P15 | P14 | P13 | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | 12     | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P4    | P3 | P2 | P1 |
| 6450860-2          | D<br>C<br>B<br>A | GS    | GS  | GS  | GS  | GS  | GS  | GS  | GS | GS | GS | GS | GS | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | GS    | GS | GS | GS |
|                    |                  | GS    | GS  | GS  | GS  | GS  | GS  | GS  | GS | GS | GS | GS | GS | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | GS    | GS | GS | GS |
|                    |                  | GS    | GS  | GS  | GS  | GS  | GS  | GS  | GS | GS | GS | GS | GS | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | GS    | GS | GS | GS |
|                    |                  | GS    | GS  | GS  | GS  | GS  | GS  | GS  | GS | GS | GS | GS | GS | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | GS    | GS | GS | GS |
| 4ACP + 48S + 12HDP |                  |       |     |     |     |     |     |     |    |    |    |    |    |        |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |



|               |                                |
|---------------|--------------------------------|
| LSI           | STD LP POWER PRESS FIT CONTACT |
| GP            | MFBL POWER PRESS FIT CONTACTS  |
| GS            | STD POWER PRESS FIT CONTACTS   |
| AP            | SIGNAL PRESS FIT CONTACT       |
| CODE          | DESCRIPTION                    |
| CONTACT TABLE |                                |

|  |        |                         |                  |               |
|--|--------|-------------------------|------------------|---------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |        | DWN                     | D. ZHU           | 20DEC2007     |
| DIMENSIONS:                            |        | CHK                     | S. ZHAO          | 20DEC2007     |
| INCHES                                 |        | APVD                    | S. ZHAO          | -             |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |        | NAME                    |                  |               |
| 0 PLC                                  | ±      | VER RECEP ASSEMBLY      |                  |               |
| 2 PLC                                  | ±.01   | SHORT GUIDES, PRESS FIT |                  |               |
| 3 PLC                                  | ±.01   | MULTI-BEAM XLE          |                  |               |
| 4 PLC                                  | ±.005  | PRODUCT SPEC            | 108-2292         |               |
| ANGLES                                 | ±.0020 | APPLICATION SPEC        | 114-13251        |               |
| FINISH                                 | μm     | SIZE                    | CAGE CODE        | DRAWING NO    |
| -                                      | -      | 114-13251               | -                | -             |
| MATERIAL                               | -      | WEIGHT                  | A100779C=6450860 |               |
| -                                      | -      | -                       | -                |               |
| CUSTOMER DRAWING                       |        | SCALE                   | N/A              | SHEET 4 OF 28 |

| LOC | DIST | REVISIONS   |      |    |      |
|-----|------|-------------|------|----|------|
|     |      | REV         | DATE | BY | APPV |
| ES  | 00   | -           | -    | -  | -    |
|     |      | SEE SHEET 1 |      |    |      |

| PART NUMBER | ROWS | SIGNAL |     |     |     |     |     |     |     |    |    |    |    |    |    | POWER |    |    |    |    |    |     |     |     |    |    |    |    |    |    |    |    |
|-------------|------|--------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|-------|----|----|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|----|
|             |      | LP8    | LP7 | LP6 | LP5 | LP4 | LP3 | LP2 | LPI | I2 | I1 | I0 | 9  | 8  | 7  | 6     | 5  | 4  | 3  | 2  | 1  | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 |
| 6450860-3   | D    |        |     |     |     |     |     |     |     | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | GS | GS  | GS  | GS  | GS | GS | GS | GS | GS | GS | GS | GS |
|             | C    |        |     |     |     |     |     |     |     | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | GS | GS  | GS  | GS  | GS | GS | GS | GS | GS | GS | GS | GS |
|             | B    | LSI    | LSI | LSI | LSI | LSI | LSI | LSI |     | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | GS | GS | GS  | GS  | GS  | GS | GS | GS | GS | GS | GS | GS |    |
|             | A    |        |     |     |     |     |     |     |     | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | GS | GS  | GS  | GS  | GS | GS | GS | GS | GS | GS | GS | GS |

12P + 48S + 8LP



|  |  |                  |           |   |
|--|--|------------------|-----------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | OWN: D. ZHU      | 20DEC2007 | TE Connectivity   |
| DIMENSIONS: INCHES   |  | CHK: S. ZHAO     | 20DEC2007 |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2°<br>FINISH |  | APVD: S. ZHAO    |           | NAME: VER RECEP ASSEMBLY<br>PRODUCT SPEC: 108-2292<br>APPLICATION SPEC:<br>SIZE: 114-13251<br>WEIGHT: |
| MATERIAL:  |  | CUSTOMER DRAWING |           | RESTRICTED TO:<br>A100779C=6450860<br>SCALE: N/A SHEET 5 OF 28 REV: K2                                |

| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | OWN | APVD |
| ES  | 00   | SEE SHEET 1 |      |     |      |

| PART NUMBER | ROWS | POWER |    |    |    | SIGNAL |    |    |    |    | POWER |    | HD |
|-------------|------|-------|----|----|----|--------|----|----|----|----|-------|----|----|
|             |      | P6    | P5 | P4 | P3 | 6      | 5  | 4  | 3  | 2  | 1     | P2 |    |
| 6450860-6   | D    | GS    | GS | GS | GS | AP     | AP | AP | AP | AP | AP    | GS | GS |
|             | C    |       |    |    |    | AP     | AP | AP | AP | AP | AP    |    |    |
|             | B    |       |    |    |    | AP     | AP | AP | AP | AP | AP    |    |    |
|             | A    |       |    |    |    | AP     | AP | AP | AP | AP | AP    |    |    |

2ACP + 24S + 4P

| PART NUMBER | ROWS | LP2 | LPI | SIGNAL |    |    |    |    |    |    |    | POWER |    |    |    |    | HD |
|-------------|------|-----|-----|--------|----|----|----|----|----|----|----|-------|----|----|----|----|----|
|             |      |     |     | 8      | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P5    | P4 | P3 | P2 | P1 |    |
| 6450860-4   | D    | LSI |     | AP     | AP | AP | AP | AP | AP | AP | AP | AP    | GS | GP | GS | GP | GP |
|             | C    |     |     | AP     | AP | AP | AP | AP | AP | AP | AP |       |    |    |    |    |    |
|             | B    |     |     | AP     | AP | AP | AP | AP | AP | AP | AP |       |    |    |    |    |    |
|             | A    |     |     | AP     | AP | AP | AP | AP | AP | AP | AP |       |    |    |    |    |    |

5P + 32S + 2LP

NO CONTACT LOADED



THIS DRAWING IS A CONTROLLED DOCUMENT.

|                       |  |        |        |
|-----------------------|--|--------|--------|
| DIMENSIONS:<br>INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° | FINISH | FINISH |
|-----------------------|--|--------|--------|

|                  |            |  |
|------------------|------------|--|
| OWN: D. ZHU      | 20DEC2007  | <br>TE Connectivity  |
| CHK: S. ZHAO     | 20DEC2007  |  |
| APVD: S. ZHAO    |            |  |
| NAME:            |            |  |
| PRODUCT SPEC     | 108-2292   | VER RECEPT ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| APPLICATION SPEC | 114-13251  | SIZE: CAGE CODE: DRAWING NO: RESTRICTED TO                       |
| WEIGHT:          |            | A100779C=6450860   |
| CUSTOMER DRAWING | SCALE: N/A | SHEET 6 OF 28 REV: K2  |

| LOC |    | DIST |     | REVISIONS   |      |     |      |  |
|-----|----|------|-----|-------------|------|-----|------|--|
| ES  | 00 | P    | LTN | DESCRIPTION | DATE | DMN | APVD |  |
| -   | -  | -    | -   | SEE SHEET 1 | -    | -   | -    |  |

| PART NUMBER | ROWS             | POWER |    |    |    |    |    |    |    |    |    | SIGNAL |    |    |    |    |    | POWER |     |     |     |     |     |
|-------------|------------------|-------|----|----|----|----|----|----|----|----|----|--------|----|----|----|----|----|-------|-----|-----|-----|-----|-----|
|             |                  | P10   | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 | 6      | 5  | 4  | 3  | 2  | 1  | LP6   | LP5 | LP4 | LP3 | LP2 | LP1 |
| 6450860-5   | D<br>C<br>B<br>A | GS    | GS | GS | GS | GS | GS | GS | GS | GS | GS | AP     | AP | AP | AP | AP | AP | LSI   | LSI | LSI | LSI | LSI | LSI |
|             |                  | GS    | GS | GS | GS | GS | GS | GS | GS | GS | GS | AP     | AP | AP | AP | AP | AP | LSI   | LSI | LSI | LSI | LSI | LSI |
|             |                  | GS    | GS | GS | GS | GS | GS | GS | GS | GS | GS | AP     | AP | AP | AP | AP | AP | LSI   | LSI | LSI | LSI | LSI | LSI |
|             |                  | GS    | GS | GS | GS | GS | GS | GS | GS | GS | GS | AP     | AP | AP | AP | AP | AP | LSI   | LSI | LSI | LSI | LSI | LSI |



|  |  |   |                        |   |
|--|--|---|------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DMN: D.ZHU  | 20DEC2007              | TE Connectivity   |
| DIMENSIONS: INCHES                     |  | CHK: S.ZHAO   | 20DEC2007              |   |
|  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° |                        | NAME: VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| MATERIAL: -                            |  | APVD: S.ZHAO  | PRODUCT SPEC: 108-2292 | SIZE: A100779   |
| FINISH: -                              |  | APPLICATION SPEC: 114-13251   | WEIGHT: -              | CAGE CODE: 6450860  |
| CUSTOMER DRAWING                       |  | SCALE: N/A  |                        | SHEET 7 OF 28   |

| LOC         | DIST | REV | DATE | BY | APPV |
|-------------|------|-----|------|----|------|
| ES          | 00   |     |      |    |      |
| REVISIONS   |      |     | DATE | BY | APPV |
| DESCRIPTION |      |     |      |    |      |
| SEE SHEET 1 |      |     |      |    |      |

| PART NUMBER     | ROWS             | POWER |    |    |  | SIGNAL |    |    |    |    |    | POWER |    |    |    |    |
|-----------------|------------------|-------|----|----|--|--------|----|----|----|----|----|-------|----|----|----|----|
|                 |                  | P7    | P6 | P5 |  | 7      | 6  | 5  | 4  | 3  | 2  | 1     | P4 | P3 | P2 | P1 |
| 6450860-7       | D<br>C<br>B<br>A | HD    | GS | GS |  |        | AP | AP | AP | AP | AP |       | GS | GS | GS | GS |
|                 |                  |       |    |    |  |        | AP | AP | AP | AP | AP |       |    |    |    |    |
|                 |                  |       |    |    |  |        | AP | AP | AP | AP | AP |       |    |    |    |    |
|                 |                  |       |    |    |  |        | AP | AP | AP | AP | AP |       |    |    |    |    |
| 4P + 28S + 3ACP |                  |       |    |    |  |        |    |    |    |    |    |       |    |    |    |    |

NO CONTACTS LOADED

| PART NUMBER    | ROWS             | POWER |     | SIGNAL |    | POWER |     |
|----------------|------------------|-------|-----|--------|----|-------|-----|
|                |                  | P4    | P3  | 2      | 1  | P2    | P1  |
| 6450860-1      | D<br>C<br>B<br>A | LSI   | LSI | AP     | AP | LSI   | LSI |
|                |                  |       |     | AP     | AP |       |     |
|                |                  |       |     | AP     | AP |       |     |
|                |                  |       |     | AP     | AP |       |     |
| 2LP + 8S + 2LP |                  |       |     |        |    |       |     |



THIS DRAWING IS A CONTROLLED DOCUMENT.

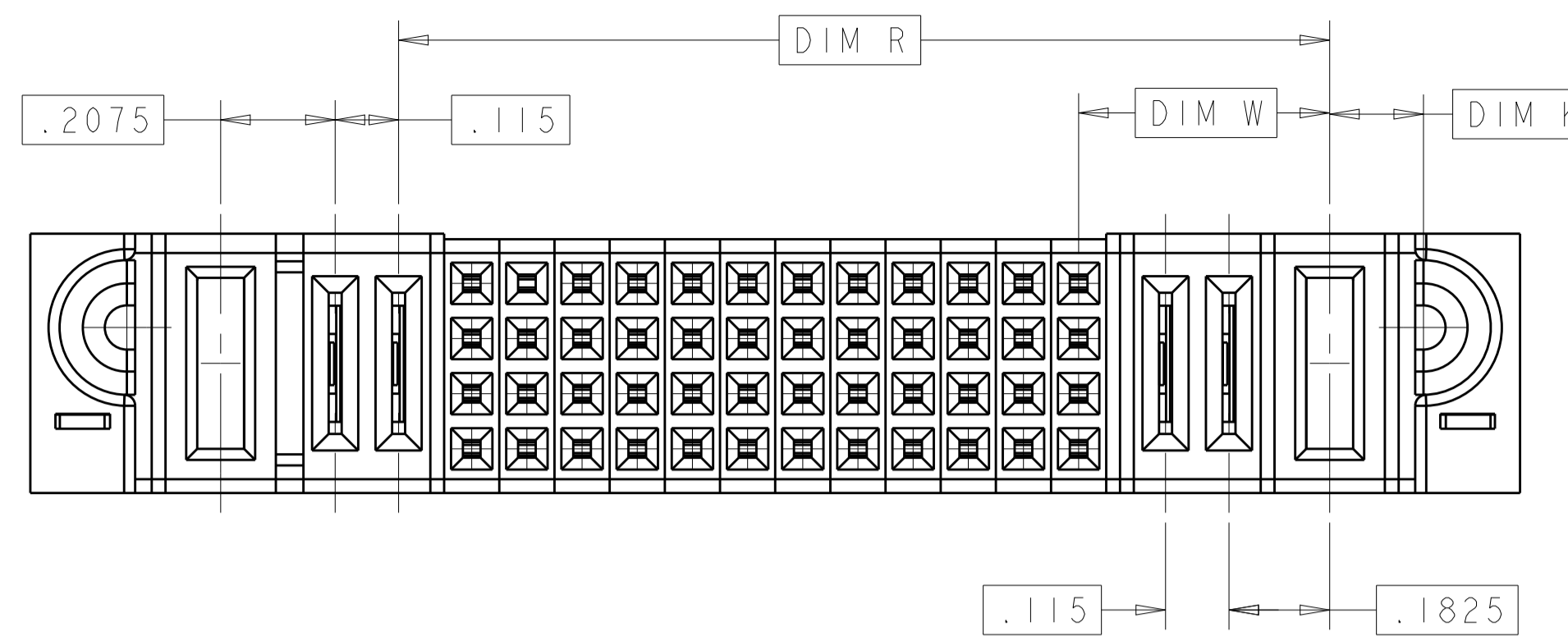
|                       |  |        |        |
|-----------------------|--|--------|--------|
| DIMENSIONS:<br>INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° | FINISH | FINISH |
|-----------------------|--|--------|--------|

|                        |                             |   |                      |             |                |
|------------------------|-----------------------------|---|----------------------|-------------|----------------|
| OWN: D. ZHU            | 20DEC2007                   | TE Connectivity<br>VER RECEPT ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |                      |             |                |
| CHK: S. ZHAO           | 20DEC2007                   |   |                      |             |                |
| APPV: S. ZHAO          |                             |   |                      |             |                |
| PRODUCT SPEC: 108-2292 | APPLICATION SPEC: 114-13251 |   |                      |             |                |
| MATERIAL:              | WEIGHT:                     | SIZE: A100779   | CAGE CODE: C=6450860 | DRAWING NO: | RESTRICTED TO: |
| CUSTOMER DRAWING       |                             | SCALE: N/A  | SHEET: 8             | OF: 28      | REV: K2        |

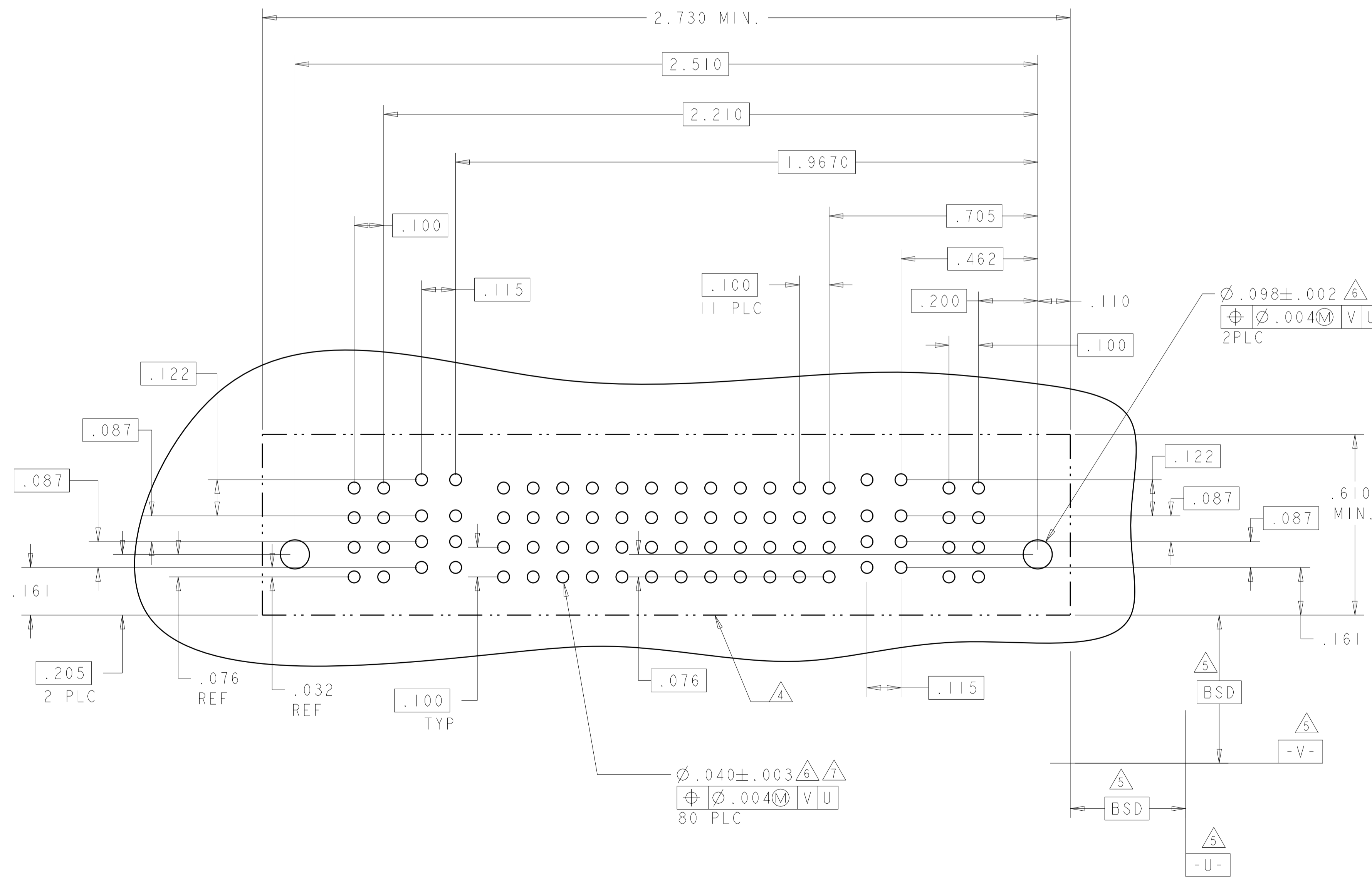


| LOC | DIST | REVISIONS |             |    |      |
|-----|------|-----------|-------------|----|------|
| ES  | 00   | REV       | DATE        | BY | APPV |
|     |      | 1         | SEE SHEET 1 |    |      |

| PART NUMBER               | ROWS | POWER |     |     | SIGNAL |    |    |    |    |    |    |    |    |    | POWER |    |     |     |     |    |
|---------------------------|------|-------|-----|-----|--------|----|----|----|----|----|----|----|----|----|-------|----|-----|-----|-----|----|
|                           |      | P2    | LP4 | LP3 | 12     | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2     | 1  | LP2 | LPI | PI  |    |
| 6450860-9                 | D    | GP    | LSI | LSI | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP  | LSI | LSI | GP |
|                           | C    |       |     |     | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP  | LSI | LSI | GP |
|                           | B    |       |     |     | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP  | LSI | LSI | GP |
|                           | A    |       |     |     | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP  | LSI | LSI | GP |
| 1P + 2LP + 48S + 2LP + 1P |      |       |     |     |        |    |    |    |    |    |    |    |    |    |       |    |     |     |     |    |



P/N: 6450860-9 CONFIGURATION  
 UNSPECIFIED DIMENSION REFER TO SHEET 1



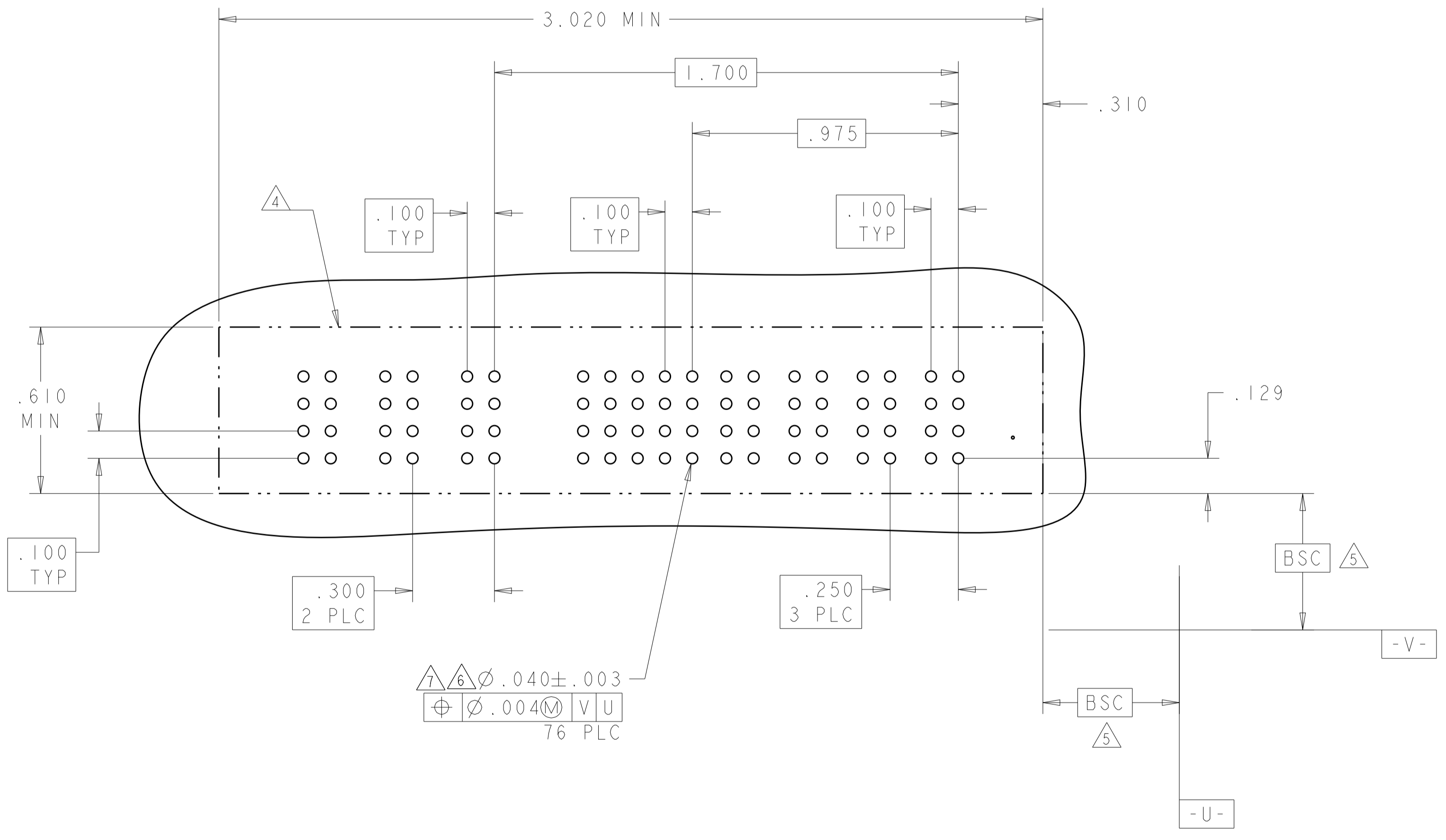
|  |  |   |                        |  |
|--|--|---|------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | OWN: D. ZHU<br>CHK: S. ZHAO<br>APPV: S. ZHAO  | 20DEC2007<br>20DEC2007 | TE Connectivity<br>VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| DIMENSIONS:<br>INCHES  | TOLERANCES UNLESS OTHERWISE SPECIFIED:   | PRODUCT SPEC: 108-2292<br>APPLICATION SPEC: 114-13251<br>WEIGHT: -<br>CUSTOMER DRAWING          |                        |  |
| 0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° | 0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° | SIZE: A1<br>CAGE CODE: 100779<br>DRAWING NO: 6450860<br>SCALE: N/A<br>SHEET: 9 of 28<br>REV: K2 |                        |  |

| LOC | DIST | REVISIONS     |      |     |      |
|-----|------|---------------|------|-----|------|
| P   | LTN  | DESCRIPTION   | DATE | DMN | APVD |
| ES  | 00   | - SEE SHEET 1 | -    | -   | -    |
|     |      |               |      |     |      |
|     |      |               |      |     |      |

| PART NUMBER | ROWS | POWER |    |    | SIGNAL |    |    |    |    |    |    | POWER |    |    |    |
|-------------|------|-------|----|----|--------|----|----|----|----|----|----|-------|----|----|----|
|             |      | P7    | P6 | P5 | 7      | 6  | 5  | 4  | 3  | 2  | 1  | P4    | P3 | P2 | P1 |
| 1-6450860-0 | D    | GS    | GS | GS |        | AP | AP | AP | AP | AP | AP | GS    | GS | GS | GS |
|             | C    |       |    |    |        | AP | AP | AP | AP | AP |    |       |    |    |    |
|             | B    |       |    |    |        | AP | AP | AP | AP | AP |    |       |    |    |    |
|             | A    |       |    |    |        | AP | AP | AP | AP | AP |    |       |    |    |    |

4P + 28S + 3ACP

NO CONTACTS LOADED

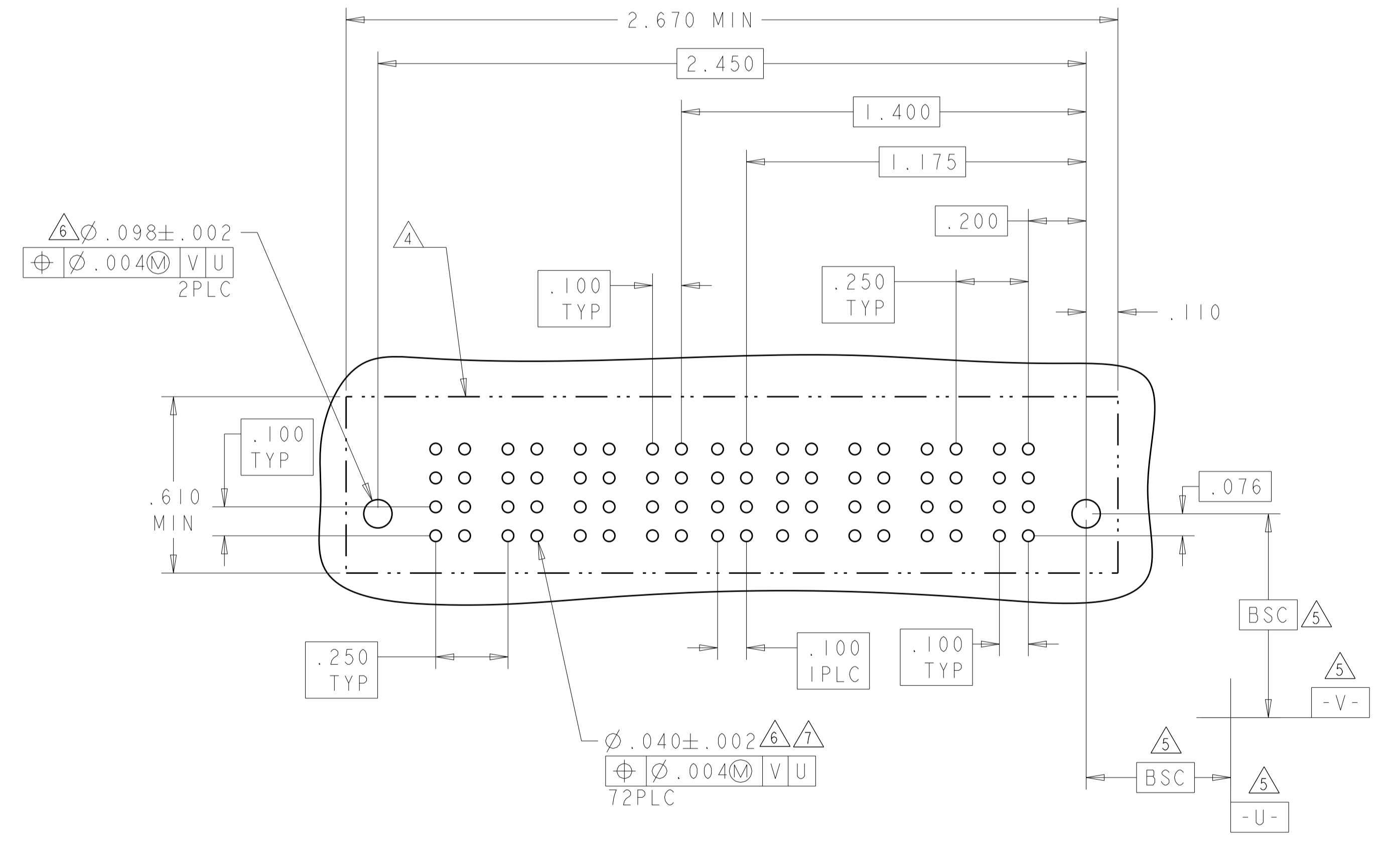


|  |  |  |   |  |
|--|--|--|---|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DMN<br>D. ZHU  | Z0DEC2007   | TE Connectivity  |
| DIMENSIONS:<br>INCHES                  |  | CHK<br>S. ZHAO   | Z0DEC2007   |  |
|  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° |   | NAME<br>VER RECEPT ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| MATERIAL                               |  | APVD<br>S. ZHAO  | PRODUCT SPEC<br>108-2292<br>APPLICATION SPEC<br>114-13251 | SIZE<br>A100779C=6450860   |
| FINISH                                 |  | WEIGHT   |   | RESTRICTED TO<br>CUSTOMER DRAWING  |
|  |  | SCALE N/A  |   | SHEET 10 OF 28<br>REV K2   |

| LOC |    | DIST |     | REVISIONS   |      |     |      |  |
|-----|----|------|-----|-------------|------|-----|------|--|
| ES  | 00 | P    | LTN | DESCRIPTION | DATE | OWN | APVD |  |
|     |    | -    |     | SEE SHEET 1 |      |     |      |  |

| PART NUMBER | ROWS             | POWER        |     |     |    |    |    | SIGNAL               |                      | POWER |    |    |    |    |    |
|-------------|------------------|--------------|-----|-----|----|----|----|----------------------|----------------------|-------|----|----|----|----|----|
|             |                  | P12          | P11 | P10 | P9 | P8 | P7 | 2                    | 1                    | P6    | P5 | P4 | P3 | P2 | P1 |
| 1-6450860-2 | D<br>C<br>B<br>A | GS           | GS  | GS  | GS | GS | GS | AP<br>AP<br>AP<br>AP | AP<br>AP<br>AP<br>AP | GS    | GS | GS | GS | GS | GS |
|             |                  | 6P + 8S + 6P |     |     |    |    |    |                      |                      |       |    |    |    |    |    |

| PART NUMBER | ROWS             | POWER        |    |    |    | SIGNAL               |                      | POWER |    |    |    |
|-------------|------------------|--------------|----|----|----|----------------------|----------------------|-------|----|----|----|
|             |                  | P8           | P7 | P6 | P5 | 2                    | 1                    | P4    | P3 | P2 | P1 |
| 1-6450860-3 | D<br>C<br>B<br>A | GS           | GS | GS | GS | AP<br>AP<br>AP<br>AP | AP<br>AP<br>AP<br>AP | GS    | GS | GS | GS |
|             |                  | 4P + 8S + 4P |    |    |    |                      |                      |       |    |    |    |



THIS DRAWING IS A CONTROLLED DOCUMENT.

|             |   |                        |                             |  |
|-------------|---|------------------------|-----------------------------|--|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                      | OWN: D. ZHU            | 20DEC2007                   | TE Connectivity  |
| INCHES      | 0 PLC ± .01<br>2 PLC ± .01<br>3 PLC ± .01<br>4 PLC ± .005<br>ANGLES ± .0020 | CHK: S. ZHAO           | 20DEC2007                   |  |
| MATERIAL:   | FINISH:   | APVD: S. ZHAO          | NAME:                       | VER RECEPT ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
|             |   | PRODUCT SPEC: 108-2292 | APPLICATION SPEC: 114-13251 | SIZE: A1   |
|             |   | WEIGHT:                | CAGE CODE: 6450860          | RESTRICTED TO:   |
|             |   | CUSTOMER DRAWING       |                             | SCALE: N/A SHEET 11 OF 28 REV: K2                                |

| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | DMN | APVD |
| ES  | 00   | SEE SHEET 1 | -    | -   | -    |

| PART NUMBER      | ROWS             | POWER |    |    |    | SIGNAL |    | POWER |    |    |    |
|------------------|------------------|-------|----|----|----|--------|----|-------|----|----|----|
|                  |                  | P8    | P7 | P6 | P5 | 2      | 1  | P4    | P3 | P2 | P1 |
| I-6450860-4      | D<br>C<br>B<br>A | GS    | GS | GS | GS | AP     | AP | GS    | GS | GS | GS |
|                  |                  |       |    |    |    | AP     | AP |       |    |    |    |
|                  |                  |       |    |    |    | AP     | AP |       |    |    |    |
|                  |                  |       |    |    |    | AP     | AP |       |    |    |    |
| 4HDP + 8S + 4HDP |                  |       |    |    |    |        |    |       |    |    |    |

| PART NUMBER       | ROWS             | POWER |    |    |    | SIGNAL |    |    |    |    | POWER |    |    |    |
|-------------------|------------------|-------|----|----|----|--------|----|----|----|----|-------|----|----|----|
|                   |                  | P8    | P7 | P6 | P5 | 5      | 4  | 3  | 2  | 1  | P4    | P3 | P2 | P1 |
| I-6450860-5       | D<br>C<br>B<br>A | GS    | GS | GS | GS | AP     | AP | AP | AP | AP | GS    | GS | GS | GS |
|                   |                  |       |    |    |    | AP     | AP | AP | AP | AP |       |    |    |    |
|                   |                  |       |    |    |    | AP     | AP | AP | AP | AP |       |    |    |    |
|                   |                  |       |    |    |    | AP     | AP | AP | AP | AP |       |    |    |    |
| 4HDP + 20S + 4HDP |                  |       |    |    |    |        |    |    |    |    |       |    |    |    |



|  |        |                  |           |   |
|--|--------|------------------|-----------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |        | DMN: D. ZHU      | ZODEC2007 | TE Connectivity   |
| DIMENSIONS: INCHES   |        | CHK: S. ZHAO     | ZODEC2007 |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:   |        | APVD: S. ZHAO    |           | VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| 0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.7° |        | PRODUCT SPEC     | 108-2292  |   |
| MATERIAL   | FINISH | APPLICATION SPEC | 114-13251 | RESTRICTED TO   |
| CUSTOMER DRAWING   |        | WEIGHT           |           | SCALE N/A   |
| SHEET 12 OF 28   |        | REV K2           |           |   |

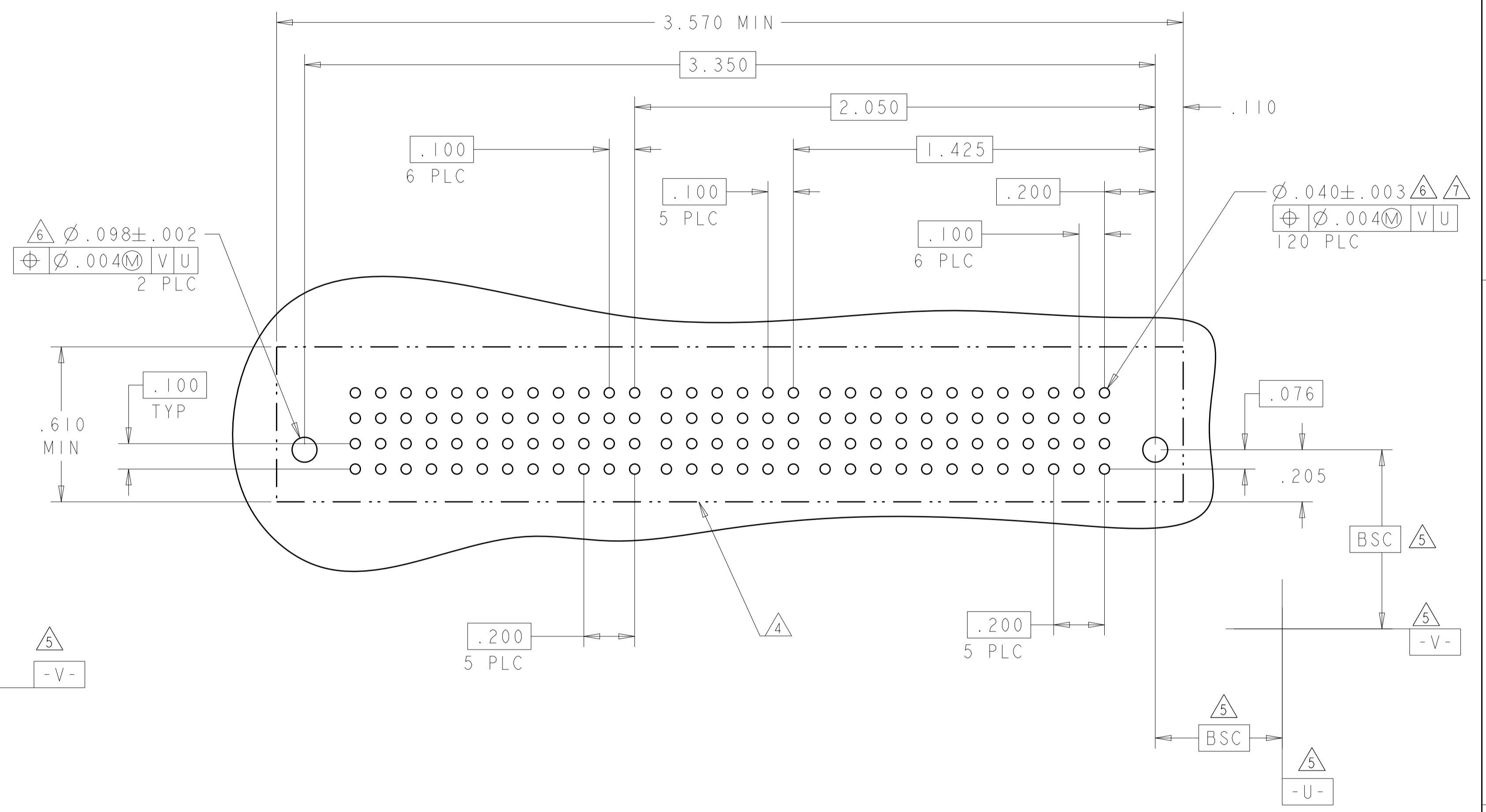
| LOC | DIST | REV | DATE | BY | APP'D |
|-----|------|-----|------|----|-------|
| ES  | 00   |     |      |    |       |

| REVISIONS |             | DATE | BY | APP'D |
|-----------|-------------|------|----|-------|
| 1         | SEE SHEET 1 |      |    |       |

| PART NUMBER    | ROWS             | POWER |    |    | SIGNAL |    |    |    |    |    | POWER |     |     |     |     |     |     |
|----------------|------------------|-------|----|----|--------|----|----|----|----|----|-------|-----|-----|-----|-----|-----|-----|
|                |                  | P3    | P2 | P1 | 6      | 5  | 4  | 3  | 2  | 1  | LP6   | LP5 | LP4 | LP3 | LP2 | LP1 |     |
| I-6450860-6    | D<br>C<br>B<br>A | GS    | GS | GS | AP     | AP | AP | AP | AP | AP | LSI   | LSI | LSI | LSI | LSI | LSI | LSI |
|                |                  |       |    |    | AP     | AP | AP | AP | AP | AP |       |     |     |     |     |     |     |
|                |                  |       |    |    | AP     | AP | AP | AP | AP | AP |       |     |     |     |     |     |     |
| 6LP + 24S + 3P |                  |       |    |    |        |    |    |    |    |    |       |     |     |     |     |     |     |

| PART NUMBER       | ROWS             | POWER |     |     |    |    |    | SIGNAL |    |    |    |    |    | POWER |    |    |    |    |    |
|-------------------|------------------|-------|-----|-----|----|----|----|--------|----|----|----|----|----|-------|----|----|----|----|----|
|                   |                  | P12   | P11 | P10 | P9 | P8 | P7 | 6      | 5  | 4  | 3  | 2  | 1  | P6    | P5 | P4 | P3 | P2 | P1 |
| I-6450860-7       | D<br>C<br>B<br>A | GS    | GS  | GS  | GS | GS | GS | AP     | AP | AP | AP | AP | AP | GS    | GS | GS | GS | GS | GS |
|                   |                  |       |     |     |    |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |    |    |    |
|                   |                  |       |     |     |    |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |    |    |    |
| 6HDP + 24S + 6HDP |                  |       |     |     |    |    |    |        |    |    |    |    |    |       |    |    |    |    |    |



THIS DRAWING IS A CONTROLLED DOCUMENT.

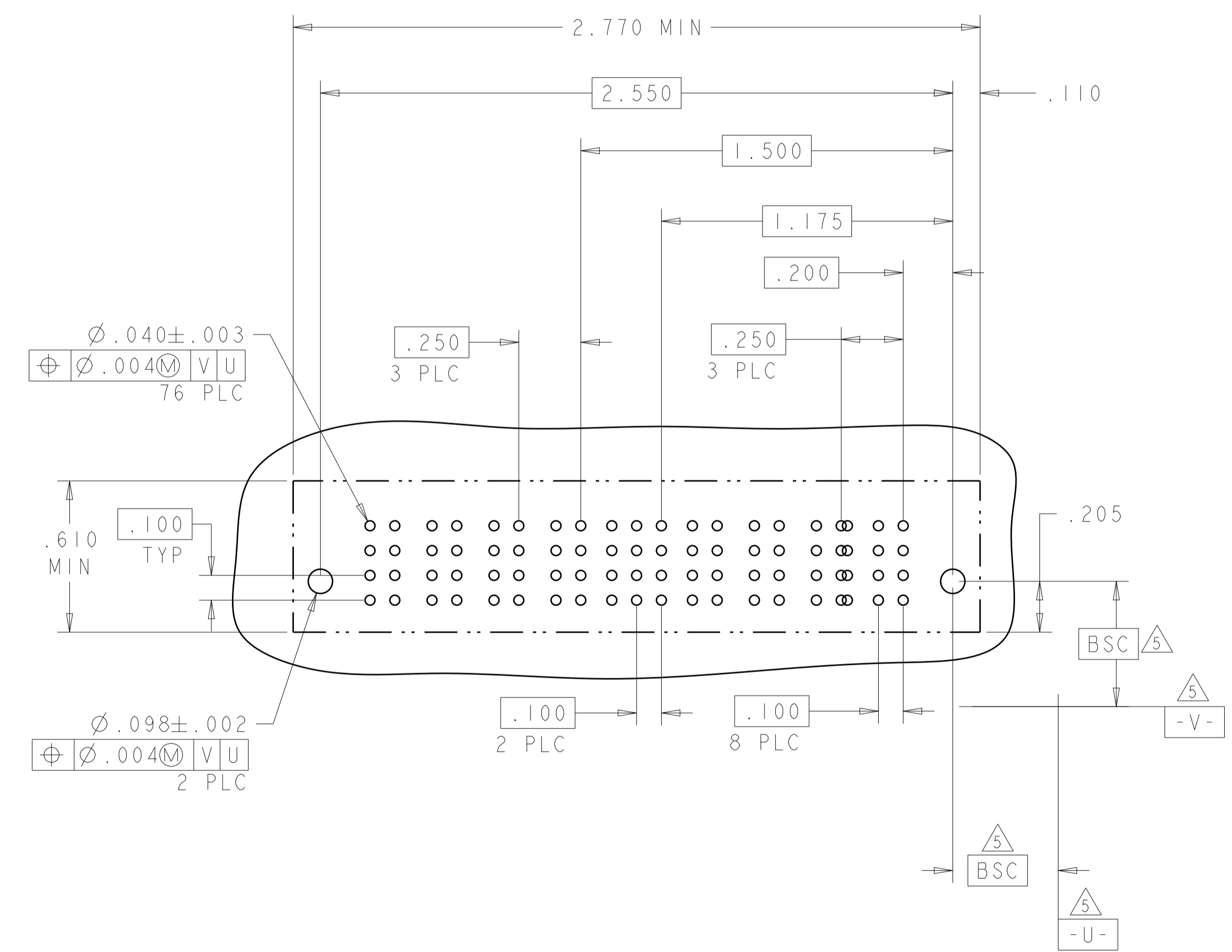
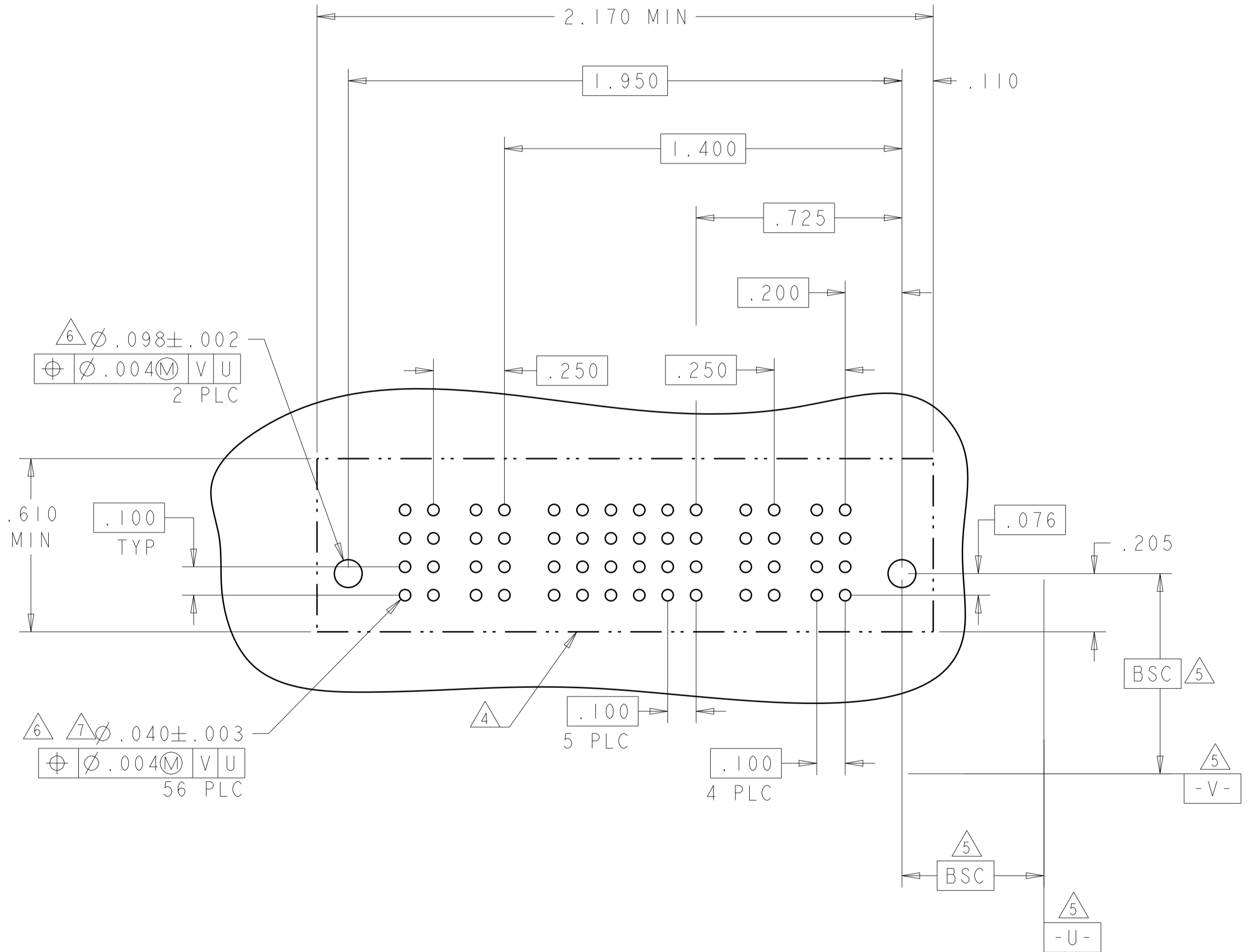
|                       |  |        |        |
|-----------------------|--|--------|--------|
| DIMENSIONS:<br>INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.7° | FINISH | FINISH |
|-----------------------|--|--------|--------|

|                  |           |   |
|------------------|-----------|---|
| OWN: D. ZHU      | 20DEC2007 | <br>TE Connectivity   |
| CHK: S. ZHAO     | 20DEC2007 |   |
| APP'D: S. ZHAO   |           |   |
| NAME             |           |   |
| PRODUCT SPEC     | 108-2292  | VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| APPLICATION SPEC | 114-13251 | SIZE: CAGE CODE: DRAWING NO: RESTRICTED TO                      |
| WEIGHT           |           | A100779C=6450860  |
| CUSTOMER DRAWING |           | SCALE: N/A SHEET 13 OF 28 REV: K2                               |

| LOC |    | DIST |     | REVISIONS   |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| ES  | 00 | P    | LTN | DESCRIPTION | DATE | DWN | APVD |
| -   | -  | -    | -   | SEE SHEET 1 | -    | -   | -    |

| PART NUMBER | ROWS | POWER         |    | SIGNAL |    |    |    |    |    | POWER |    |  |  |
|-------------|------|---------------|----|--------|----|----|----|----|----|-------|----|--|--|
|             |      | P4            | P3 | 6      | 5  | 4  | 3  | 2  | 1  | P2    | P1 |  |  |
| 2-6450860-0 | D    | GS            | GS | AP     | AP | AP | AP | AP | AP | GS    | GS |  |  |
|             | C    |               |    | AP     | AP | AP | AP | AP | AP |       |    |  |  |
|             | B    |               |    | AP     | AP | AP | AP | AP | AP |       |    |  |  |
|             | A    |               |    | AP     | AP | AP | AP | AP | AP |       |    |  |  |
|             |      | 2P + 24S + 2P |    |        |    |    |    |    |    |       |    |  |  |

| PART NUMBER | ROWS | POWER         |    |    |    | SIGNAL |    |    | POWER |    |    |    |  |
|-------------|------|---------------|----|----|----|--------|----|----|-------|----|----|----|--|
|             |      | P8            | P7 | P6 | P5 | 3      | 2  | 1  | P4    | P3 | P2 | P1 |  |
| 2-6450860-8 | D    | GS            | GS | GS | GS | AP     | AP | AP | GS    | GS | GS | GS |  |
|             | C    |               |    |    |    | AP     | AP | AP |       |    |    |    |  |
|             | B    |               |    |    |    | AP     | AP | AP |       |    |    |    |  |
|             | A    |               |    |    |    | AP     | AP | AP |       |    |    |    |  |
|             |      | 4P + 12S + 4P |    |    |    |        |    |    |       |    |    |    |  |



THIS DRAWING IS A CONTROLLED DOCUMENT.

|   |  |                     |
|---|--|---------------------|
| DWN: D. ZHU   | 20DEC2007                              | <br>TE Connectivity |
| CHK: S. ZHAO  | 20DEC2007                              |                     |
| APVD: S. ZHAO   |  |                     |
| NAME: VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |  |                     |
| DIMENSIONS: INCHES  | TOLERANCES UNLESS OTHERWISE SPECIFIED: | PRODUCT SPEC        |
| 0 PLC ± .01   | 1 PLC ± .01                            | 108-2292            |
| 2 PLC ± .01   | 2 PLC ± .01                            | APPLICATION SPEC    |
| 3 PLC ± .005  | 3 PLC ± .005                           | 114-13251           |
| 4 PLC ± .002  | 4 PLC ± .002                           | WEIGHT              |
| ANGLES ± .020   | ANGLES ± .020                          | SCALE N/A           |
| MATERIAL  | FINISH                                 | SHEET 14 OF 28      |
|   |  | REV K2              |

CUSTOMER DRAWING



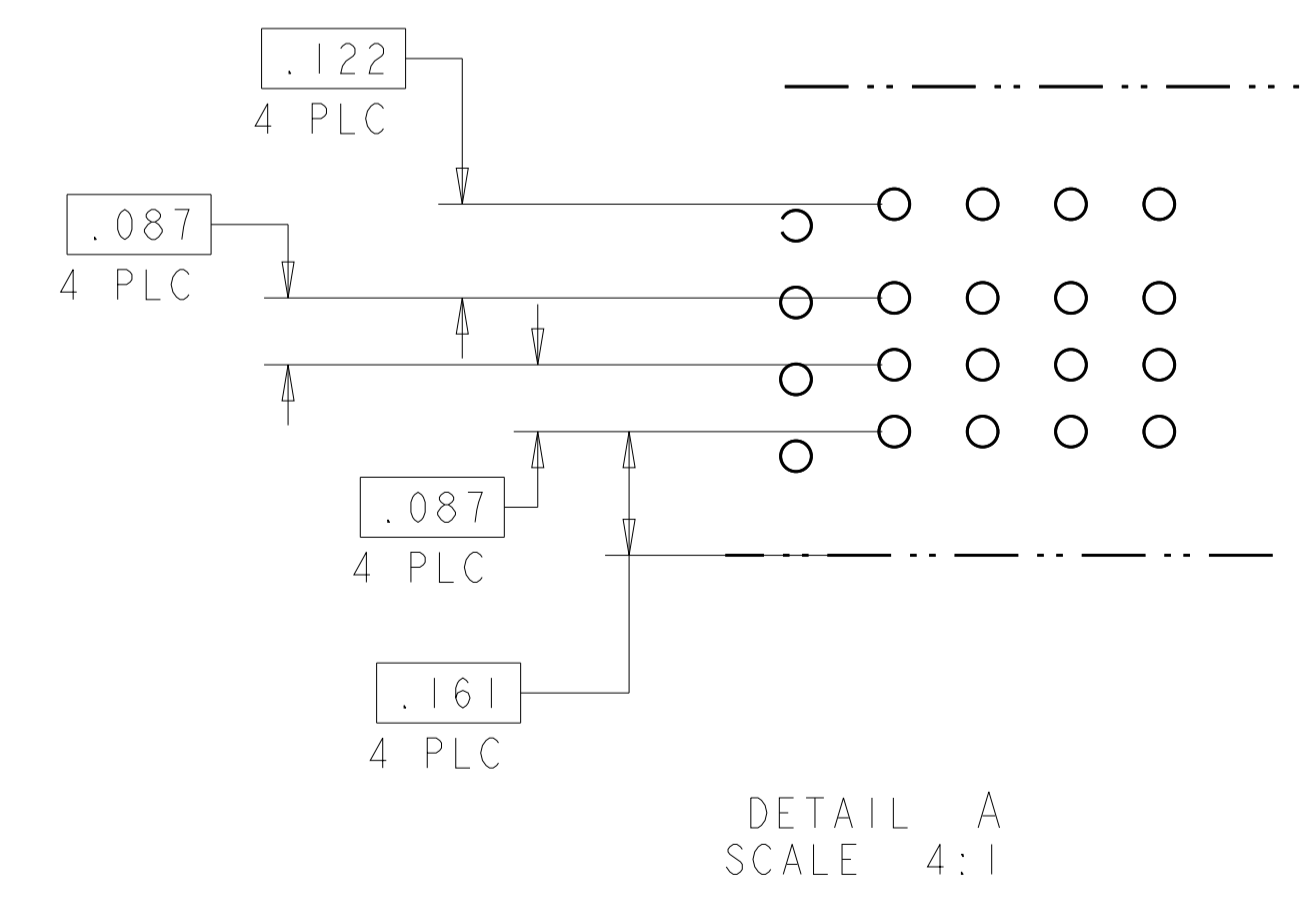
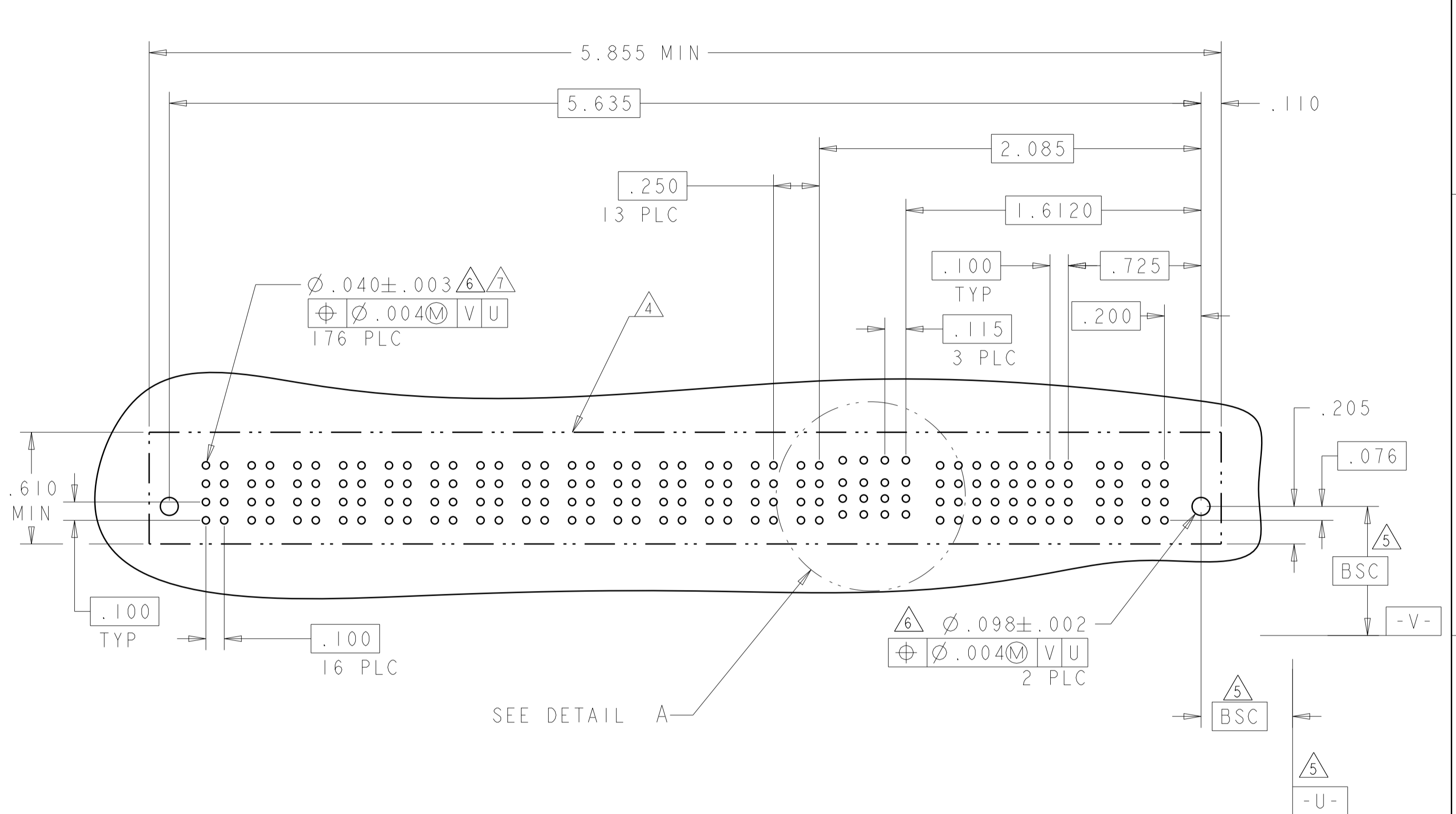
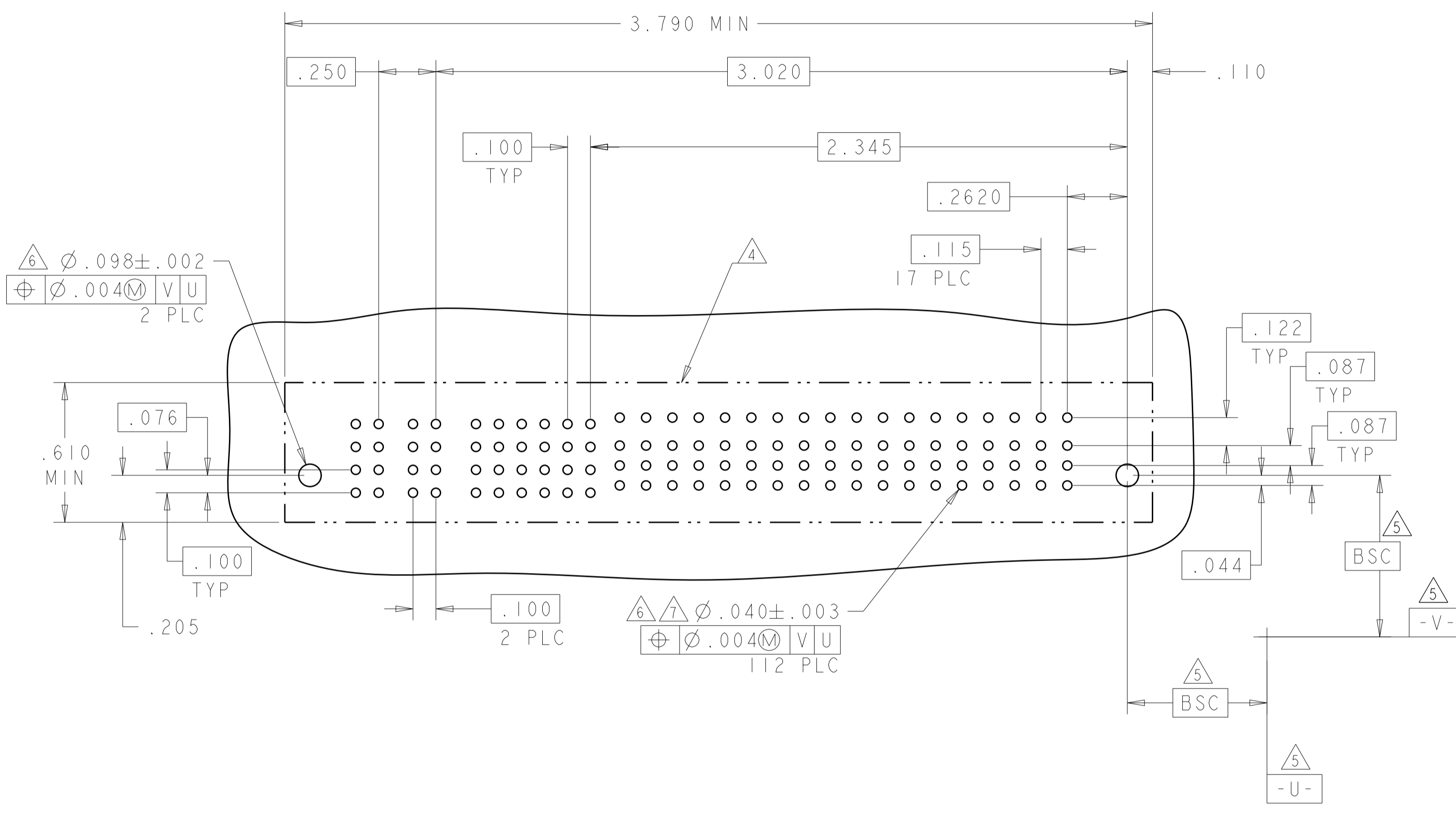
| LOC | DIST | REV | DATE | APP'D |
|-----|------|-----|------|-------|
| ES  | 00   |     |      |       |

| PART NUMBER | ROWS | POWER |    | SIGNAL |    |    |    |    |    |      |      | POWER |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |  |  |
|-------------|------|-------|----|--------|----|----|----|----|----|------|------|-------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
|             |      | P2    | P1 | 6      | 5  | 4  | 3  | 2  | 1  | LP18 | LP17 | LP16  | LP15 | LP14 | LP13 | LP12 | LP11 | LP10 | LP9 | LP8 | LP7 | LP6 | LP5 | LP4 | LP3 | LP2 | LP1 |     |  |  |
| 2-6450860-5 | D    | GS    | GS | AP     | AP | AP | AP | AP | AP | LSI  | LSI  | LSI   | LSI  | LSI  | LSI  | LSI  | LSI  | LSI  | LSI | LSI | LSI | LSI | LSI | LSI | LSI | LSI | LSI | LSI |  |  |
|             | C    |       |    | AP     | AP | AP | AP | AP | AP |      |      |       |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |  |  |
|             | B    |       |    | AP     | AP | AP | AP | AP | AP |      |      |       |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |  |  |
|             | A    |       |    | AP     | AP | AP | AP | AP | AP |      |      |       |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |  |  |

18LP + 24S + 2P

| PART NUMBER | ROWS | POWER |     |     |     |     |     |     |    |    |    |    | LOW POWER |    |     | SIGNAL |     |     |     |    |    |    |    | POWER |    |    |    |    |    |    |    |    |
|-------------|------|-------|-----|-----|-----|-----|-----|-----|----|----|----|----|-----------|----|-----|--------|-----|-----|-----|----|----|----|----|-------|----|----|----|----|----|----|----|----|
|             |      | PI6   | PI5 | PI4 | PI3 | PI2 | PI1 | PI0 | P9 | P8 | P7 | P6 | P5        | P4 | P3  | LP4    | LP3 | LP2 | LP1 | 8  | 7  | 6  | 5  | 4     | 3  | 2  | 1  | P2 | P1 |    |    |    |
| 2-6450860-6 | D    | GS    | GS  | GS  | GS  | GS  | GS  | GS  | GS | GS | GS | GS | GS        | GS | LSI | LSI    | LSI | LSI | AP  | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | GS | GS |
|             | C    |       |     |     |     |     |     |     |    |    |    |    |           |    |     |        |     |     | AP  | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP |    |    |
|             | B    |       |     |     |     |     |     |     |    |    |    |    |           |    |     |        |     |     | AP  | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP |    |    |
|             | A    |       |     |     |     |     |     |     |    |    |    |    |           |    |     |        |     |     | AP  | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP |    |    |

2P + 32S + 4LP + 14P



|  |  |   |                               |   |
|--|--|---|-------------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | OWN: D. ZHU<br>CHK: S. ZHAO<br>APP'D: S. ZHAO | 20DEC2007<br>20DEC2007<br>-   | TE Connectivity<br>VER RECEPT ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| DIMENSIONS:<br>INCHES                  | TOLERANCES UNLESS OTHERWISE SPECIFIED: | PRODUCT SPEC<br>108-2292                      | APPLICATION SPEC<br>114-13251 |   |
| MATERIAL                               | FINISH                                 | WEIGHT  | 114-13251                     | RESTRICTED TO   |
| CUSTOMER DRAWING                       |  | SCALE: N/A                                    | SHEET 16 OF 28                | REV: K2   |



| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | OWN | APVD |
| ES  | 00   | SEE SHEET 1 |      |     |      |

| PART NUMBER   | ROWS | POWER |    | SIGNAL |    |    |    |    |    | POWER |    |
|---------------|------|-------|----|--------|----|----|----|----|----|-------|----|
|               |      | P4    | P3 | 6      | 5  | 4  | 3  | 2  | 1  | P2    | P1 |
| 2-6450860-9   | D    | GS    | GS | AP     | AP | AP | AP | AP | AP | GS    | GS |
|               | C    |       |    | AP     | AP | AP | AP | AP |    |       |    |
|               | B    |       |    | AP     | AP | AP | AP | AP |    |       |    |
|               | A    |       |    | AP     | AP | AP | AP | AP |    |       |    |
| 2P + 24S + 2P |      | HD    |    |        |    |    |    |    |    | HD    |    |

| PART NUMBER    | ROWS | POWER |     |     | SIGNAL | POWER |     |
|----------------|------|-------|-----|-----|--------|-------|-----|
|                |      | P5    | P4  | P3  | 1      | P2    | P1  |
| 3-6450860-0    | D    | LSI   | LSI | LSI | AP     | LSI   | LSI |
|                | C    |       |     |     | AP     |       |     |
|                | B    |       |     |     | AP     |       |     |
|                | A    |       |     |     | AP     |       |     |
| 2LP + 4S + 3LP |      |       |     |     |        |       |     |



THIS DRAWING IS A CONTROLLED DOCUMENT.

|                       |  |  |  |                     |
|-----------------------|--|--|--|---------------------|
| DIMENSIONS:<br>INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.020<br>FINISH | OWN: D. ZHU<br>CHK: S. ZHAO<br>APVD: S. ZHAO                           | 20DEC2007<br>20DEC2007   | <br>TE Connectivity |
| MATERIAL              |  | NAME: VER RECEPT ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE | PRODUCT SPEC: 108-2292<br>APPLICATION SPEC: 114-13251<br>WEIGHT: - |                     |
| CUSTOMER DRAWING      |  | SCALE: N/A   | SHEET 17 OF 28   | REV: K2             |

| LOC |    | DIST |     | REVISIONS   |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| ES  | 00 | P    | LTN | DESCRIPTION | DATE | DWN | APVD |
|     |    | -    |     | SEE SHEET 1 | -    | -   | -    |
|     |    |      |     |             |      |     |      |
|     |    |      |     |             |      |     |      |

G4

| PART NUMBER     | ROWS | POWER |     |     |     | SIGNAL |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | POWER |     |     |     |     |     |     |
|-----------------|------|-------|-----|-----|-----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----|-----|-----|-----|-----|-----|
|                 |      | P8    | P7  | P6  | P5  | 15     | 14 | 13 | 12 | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P4 | P3    | P2  | P1  |     |     |     |     |
| 3-6450860-1     | D    | LSI   | LSI | LSI | LSI | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | LSI | LSI | LSI | LSI |     |     |
|                 | C    |       |     |     |     | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP  | LSI | LSI | LSI | LSI |     |
|                 | B    |       |     |     |     | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP  | AP  | LSI | LSI | LSI | LSI |
|                 | A    |       |     |     |     | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP  | AP  | LSI | LSI | LSI | LSI |
|                 |      |       |     |     |     |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |     |     |     |     |     |     |
| 4LP + 60S + 4LP |      |       |     |     |     |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |       |     |     |     |     |     |     |

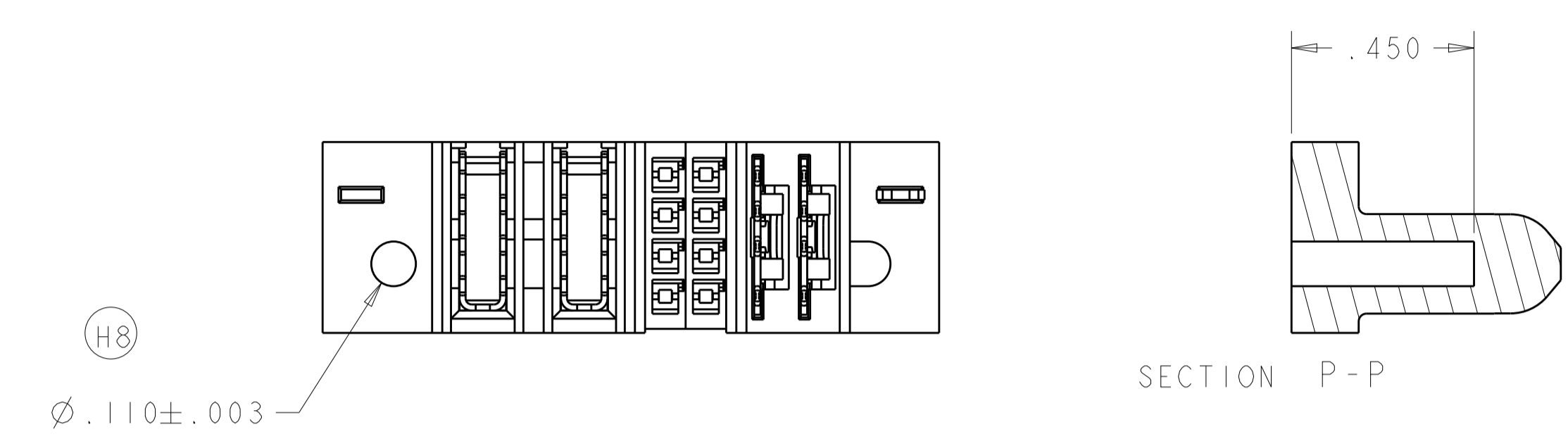


|  |  |   |           |   |
|--|--|---|-----------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | DWN: D. ZHU   | 20DEC2007 | TE Connectivity   |
| DIMENSIONS: INCHES   |  | CHK: S. ZHAO  | 20DEC2007 |   |
| DIMENSIONS: INCHES<br>TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° |  | APVD: S. ZHAO<br>PRODUCT SPEC: 108-2292<br>APPLICATION SPEC: 114-13251<br>WEIGHT: - |           | NAME: VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE<br>SIZE: A1<br>CAGE CODE: 100779<br>DRAWING NO: 6450860 |
| MATERIAL: -  |  | CUSTOMER DRAWING  |           | RESTRICTED TO: -<br>SCALE: N/A<br>SHEET: 18 OF 28<br>REV: K2  |

| LOC       | DIST | REV | DATE        | BY   | APPV |
|-----------|------|-----|-------------|------|------|
| ES        | 00   |     |             |      |      |
| REVISIONS |      |     | DESCRIPTION | DATE | BY   |
|           |      |     | SEE SHEET 1 |      |      |



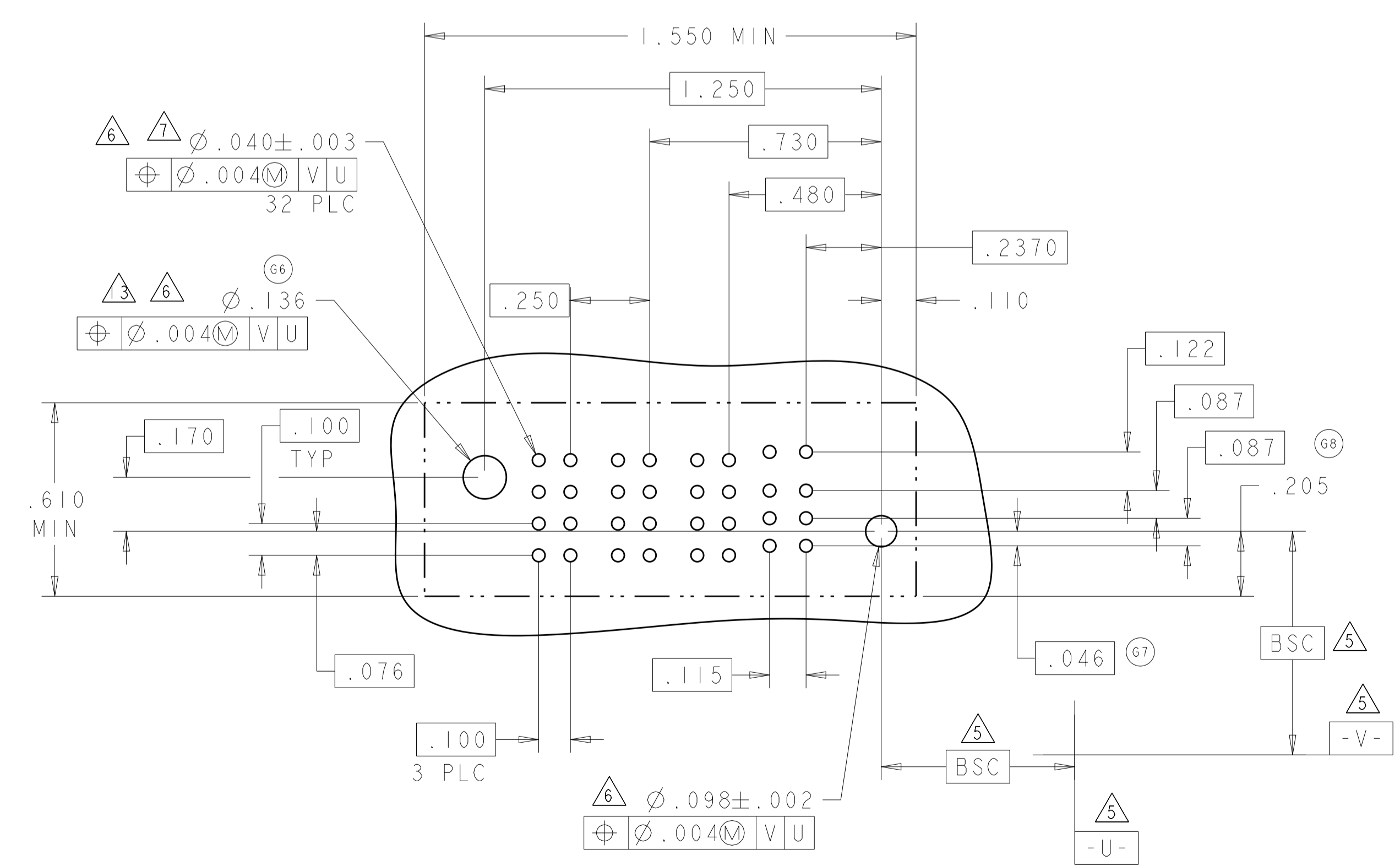
3-6450860-2



3-6450860-3

| PART NUMBER | ROWS             | POWER         |    | SIGNAL |    |    |    | POWER |    |
|-------------|------------------|---------------|----|--------|----|----|----|-------|----|
|             |                  | P4            | P3 | 3      | 2  | 1  | 2  | P2    | P1 |
| 3-6450860-2 | D<br>C<br>B<br>A | GS            | GS | AP     | AP | AP | AP | GS    | GS |
|             |                  | 2P + 16S + 2P |    |        |    |    |    |       |    |

| PART NUMBER | ROWS             | POWER         |    | SIGNAL |    | POWER |     |
|-------------|------------------|---------------|----|--------|----|-------|-----|
|             |                  | P4            | P3 | 2      | 1  | P2    | P1  |
| 3-6450860-3 | D<br>C<br>B<br>A | GS            | GS | AP     | AP | LSI   | LSI |
|             |                  | 2LP + 8S + 2P |    |        |    |       |     |

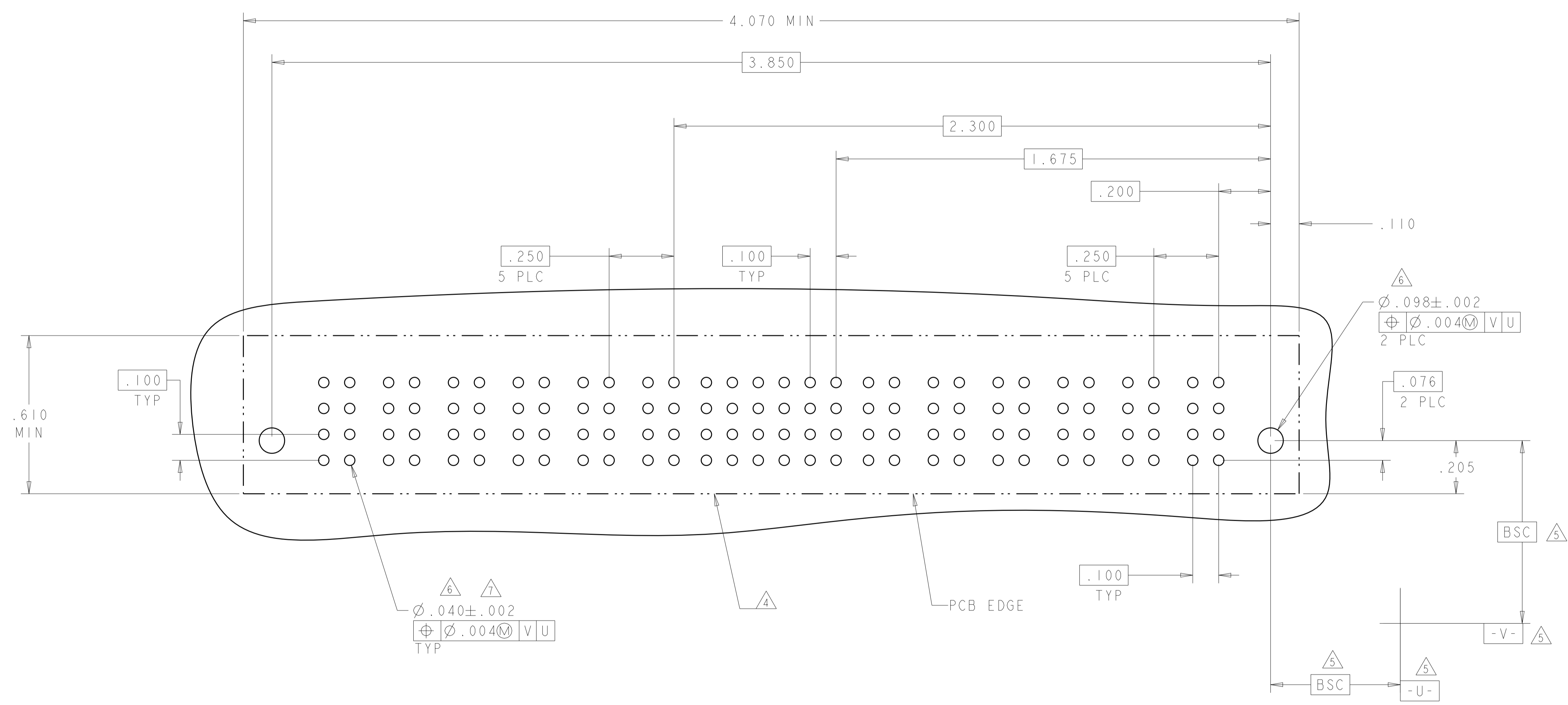


THIS DRAWING IS A CONTROLLED DOCUMENT.

|             |  |                             |                        |            |  |
|-------------|--|-----------------------------|------------------------|------------|--|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED:   | DRN: D. ZHU                 | 20DEC2007              |            | TE Connectivity  |
| INCHES:     | 0 PLC ±.01<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.020 | CHK: S. ZHAO                | 20DEC2007              |            | NAME: VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE |
| MATERIAL:   | FINISH:  | APVD: S. ZHAO               | PRODUCT SPEC: 108-2292 | SIZE: A1   | CAGE CODE: 6450860   |
|             |  | APPLICATION SPEC: 114-13251 | WEIGHT:                | SCALE: N/A | SHEET 19 OF 28   |
|             |  | CUSTOMER DRAWING            | REV: K2                |            |  |

| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | DMN | APVD |
| ES  | 00   | SEE SHEET 1 |      |     |      |
|     |      |             |      |     |      |
|     |      |             |      |     |      |

| PART NUMBER   | ROWS | POWER |     |     |    |    |    | SIGNAL |    |    |    |    |    | POWER |    |    |    |    |    |
|---------------|------|-------|-----|-----|----|----|----|--------|----|----|----|----|----|-------|----|----|----|----|----|
|               |      | P12   | P11 | P10 | P9 | P8 | P7 | 6      | 5  | 4  | 3  | 2  | 1  | P6    | P5 | P4 | P3 | P2 | P1 |
| 3-6450860-5   | D    |       |     |     |    |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |    |    |    |
|               | C    |       |     |     |    |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |    |    |    |
|               | B    | GS    | GS  | GS  | GS | GS | GS | AP     | AP | AP | AP | AP | AP | GS    | GS | GS | GS | GS | GS |
|               | A    | HD    |     |     |    |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |    |    |    |
| 6P + 24S + 6P |      |       |     |     |    |    |    |        |    |    |    |    |    |       |    |    |    |    |    |



|  |  |                  |           |  |   |
|--|--|------------------|-----------|--|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DMN: D. ZHU      | ZODEC2007 |  | TE Connectivity   |
| DIMENSIONS: INCHES                     |  | CHK: S. ZHAO     | ZODEC2007 |  | VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD: S. ZHAO    |           | NAME                                       |   |
| 0 PLC ±                                |  | PRODUCT SPEC     |           | SIZE: CAGE CODE: DRAWING NO: RESTRICTED TO |   |
| 1 PLC ±.01                             |  | 108-2292         |           | A100779C=6450860                           |   |
| 2 PLC ±.01                             |  | APPLICATION SPEC |           | SCALE: N/A SHEET 20 OF 28 REV: K2          |   |
| 3 PLC ±.005                            |  | 114-13251        |           |  |   |
| 4 PLC ±.0020                           |  | WEIGHT           |           |  |   |
| ANGLES ±.75°                           |  | FINISH           |           |  |   |
| MATERIAL                               |  | CUSTOMER DRAWING |           |  |   |

| LOC | DIST | REV | DATE | BY | APPV |
|-----|------|-----|------|----|------|
| ES  | 00   |     |      |    |      |

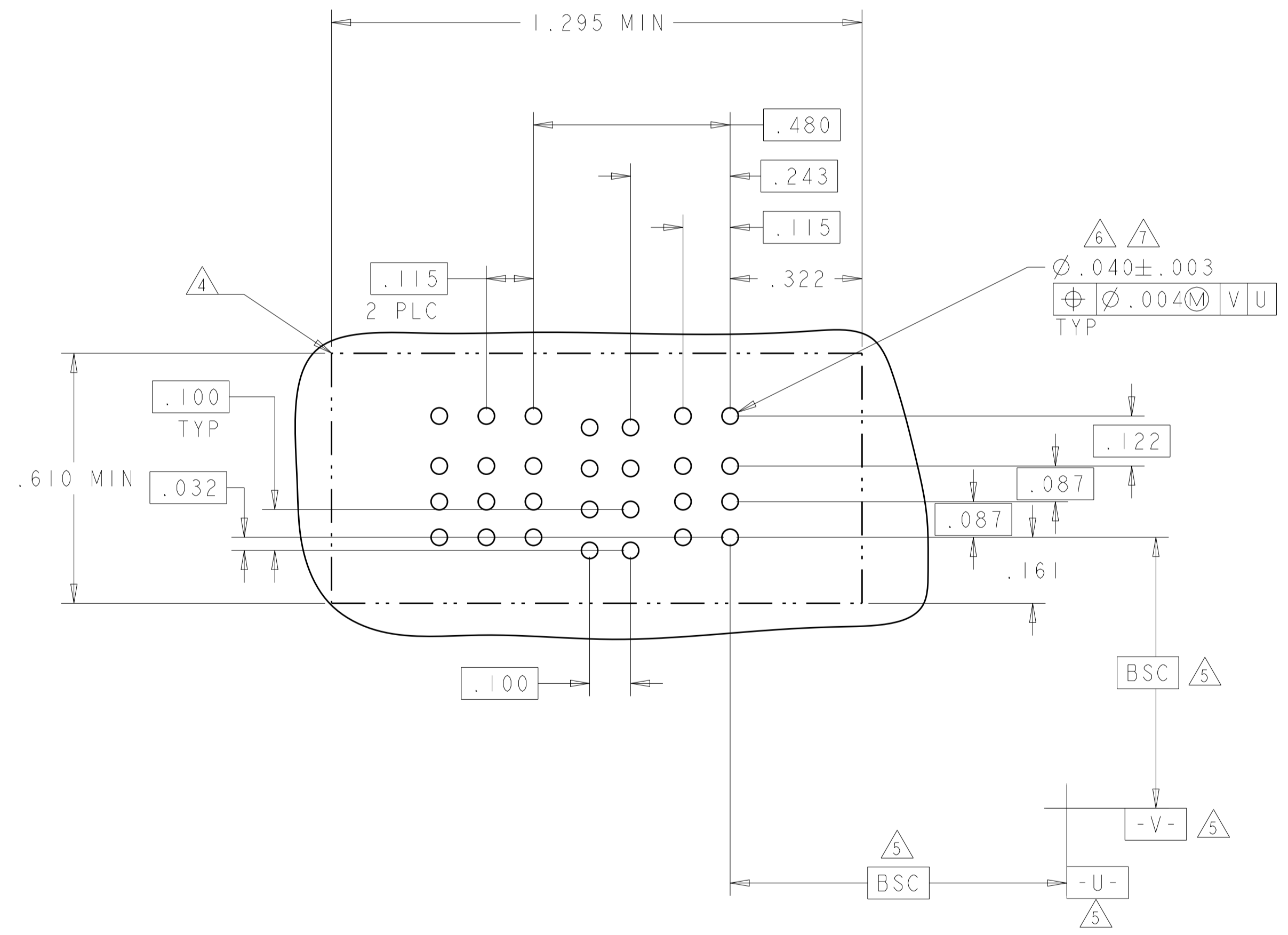
  

| REVISIONS |             | DATE | BY | APPV |
|-----------|-------------|------|----|------|
| 1         | SEE SHEET 1 |      |    |      |

| PART NUMBER | ROWS | POWER |     |     | SIGNAL |    | POWER |     |
|-------------|------|-------|-----|-----|--------|----|-------|-----|
|             |      | P5    | P4  | P3  | 2      | 1  | P2    | P1  |
| 3-6450860-4 | D    | LSI   | LSI | LSI | AP     | AP | LSI   | LSI |
|             | C    |       |     |     | AP     | AP |       |     |
|             | B    |       |     |     | AP     | AP |       |     |
|             | A    |       |     |     | AP     | AP |       |     |

2LP + 8S + 3LP

G3



| PART NUMBER | ROWS | POWER |    | SIGNAL |    |    |    |    |    |    |    |    |    |    |    | POWER |    |    |
|-------------|------|-------|----|--------|----|----|----|----|----|----|----|----|----|----|----|-------|----|----|
|             |      | P4    | P3 | 12     | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P2    | P1 |    |
| 3-6450860-6 | D    | GS    | GS | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP |
|             | C    |       |    | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP |
|             | A    |       |    | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP |

2P + 48S + 2P



THIS DRAWING IS A CONTROLLED DOCUMENT.

|             |  |                  |                         |               |
|-------------|--|------------------|-------------------------|---------------|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED: | OWN              | D. ZHU                  | 20DEC2007     |
| INCHES      | 0 PLC ± .01                            | CHK              | S. ZHAO                 | 20DEC2007     |
|             | 1 PLC ± .01                            | APVD             | S. ZHAO                 |               |
|             | 2 PLC ± .01                            | NAME             | VER RECEP ASSEMBLY      |               |
|             | 3 PLC ± .005                           | PRODUCT SPEC     | SHORT GUIDES, PRESS FIT |               |
|             | 4 PLC ± .0020                          | APPLICATION SPEC | MULTI-BEAM XLE          |               |
| MATERIAL    | FINISH                                 | SIZE             | CAGE CODE               | DRAWING NO    |
|             |  | A100779          | C=6450860               |               |
|             |  | WEIGHT           |                         | RESTRICTED TO |
|             |  | CUSTOMER DRAWING | SCALE                   | N/A           |
|             |  |                  | SHEET                   | 21            |
|             |  |                  | OF                      | 28            |
|             |  |                  | REV                     | K2            |

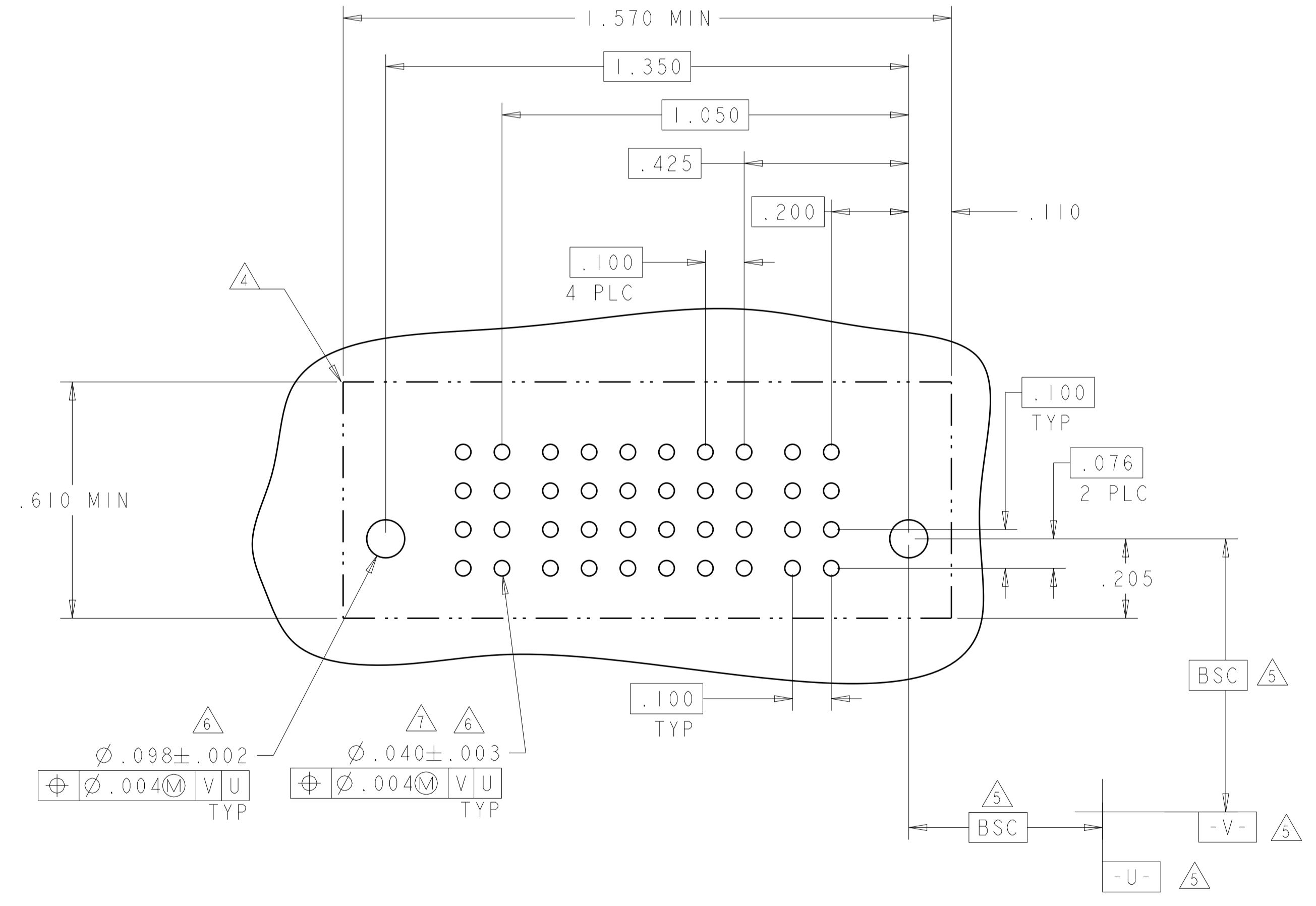
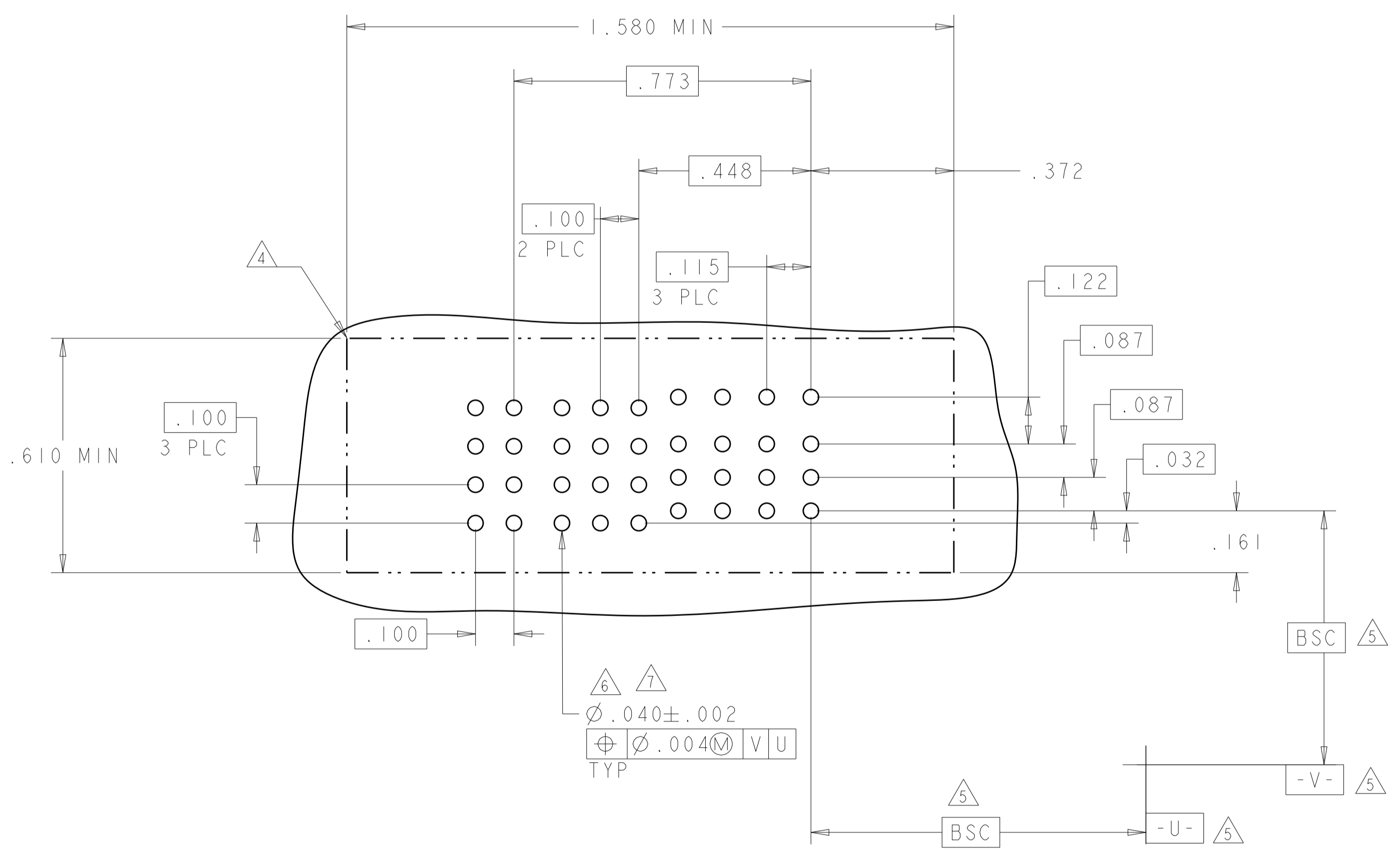
4805 (3/11)

| LOC |    | DIST |     | REVISIONS   |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| ES  | 00 | P    | LTN | DESCRIPTION | DATE | DMN | APVD |
|     |    | -    |     | SEE SHEET 1 |      |     |      |

| PART NUMBER    | ROWS             |    | POWER |    |    | SIGNAL |     |     |     | POWER |  |  |  |  |
|----------------|------------------|----|-------|----|----|--------|-----|-----|-----|-------|--|--|--|--|
|                |                  |    | PI    | 3  | 2  | 1      | LP4 | LP3 | LP2 | LP1   |  |  |  |  |
| 3-6450860-9    | D<br>C<br>B<br>A | GS | AP    | AP | AP |        | LSI | LSI | LSI | LSI   |  |  |  |  |
|                |                  |    | AP    | AP | AP |        |     |     |     |       |  |  |  |  |
|                |                  |    | AP    | AP | AP |        |     |     |     |       |  |  |  |  |
|                |                  |    | AP    | AP | AP |        |     |     |     |       |  |  |  |  |
| 4LP + 12S + IP |                  |    |       |    |    |        |     |     |     |       |  |  |  |  |

| PART NUMBER   | ROWS             |    | POWER |    | SIGNAL |    |    |    |    |    | POWER |    |    |    |
|---------------|------------------|----|-------|----|--------|----|----|----|----|----|-------|----|----|----|
|               |                  |    | P2    | P1 | 6      | 5  | 4  | 3  | 2  | 1  | PI    |    |    |    |
| 4-6450860-0   | D<br>C<br>B<br>A | GS | AP    | AP | AP     | AP | AP | AP | AP | AP | AP    | AP | AP | AP |
|               |                  |    | AP    | AP | AP     | AP | AP | AP | AP | AP | AP    | AP | AP | AP |
|               |                  |    | AP    | AP | AP     | AP | AP | AP | AP | AP | AP    | AP | AP | AP |
|               |                  |    | AP    | AP | AP     | AP | AP | AP | AP | AP | AP    | AP | AP | AP |
| IP + 24S + IP |                  |    |       |    |        |    |    |    |    |    |       |    |    |    |

H5



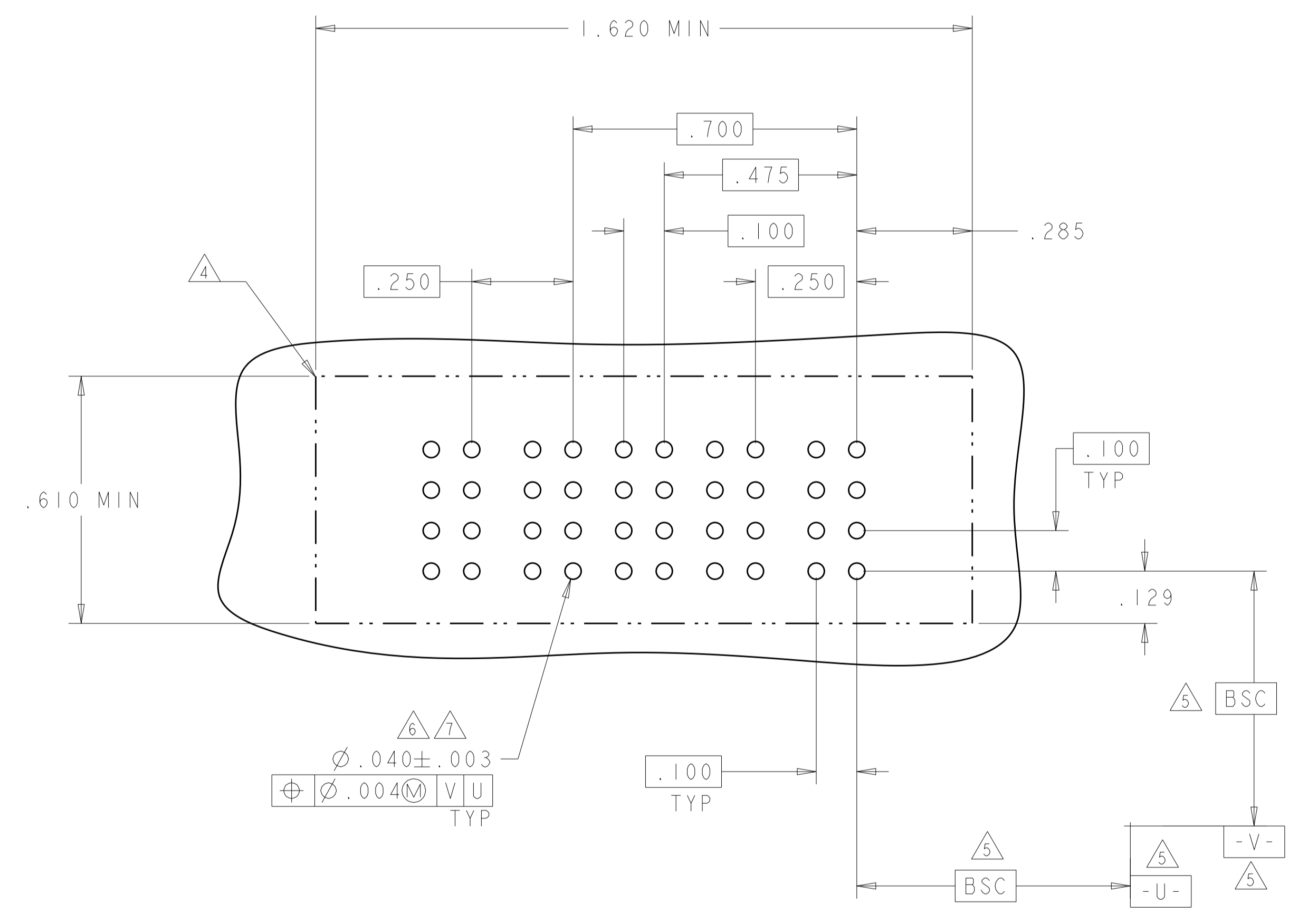
THIS DRAWING IS A CONTROLLED DOCUMENT.

|                       |   |  |  |                     |
|-----------------------|---|--|--|---------------------|
| DIMENSIONS:<br>INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.2° | DMN: D. ZHU<br>CHK: S. ZHAO<br>APVD: S. ZHAO                     | 20DEC2007<br>20DEC2007   | <br>TE Connectivity |
| MATERIAL:             | FINISH:   | PRODUCT SPEC: 108-2292<br>APPLICATION SPEC: 114-13251<br>WEIGHT: | NAME: VER RECEPT ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |                     |
| CUSTOMER DRAWING      |   | SCALE: N/A   | SHEET 22 OF 28   | REV: K2             |

| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | DMN | APVD |
| ES  | 00   | SEE SHEET 1 |      |     |      |

| PART NUMBER       | ROWS             | POWER |    |    |    | SIGNAL |    |    |    |    | POWER |    |    |    |  |  |  |  |  |
|-------------------|------------------|-------|----|----|----|--------|----|----|----|----|-------|----|----|----|--|--|--|--|--|
|                   |                  | P8    | P7 | P6 | P5 | 5      | 4  | 3  | 2  | 1  | P4    | P3 | P2 | P1 |  |  |  |  |  |
| 4-6450860-1       | D<br>C<br>B<br>A | GS    | GS | GS | GS | AP     | AP | AP | AP | AP | GS    | GS | GS | GS |  |  |  |  |  |
|                   |                  |       |    |    |    | AP     | AP | AP | AP | AP |       |    |    |    |  |  |  |  |  |
|                   |                  |       |    |    |    | AP     | AP | AP | AP | AP |       |    |    |    |  |  |  |  |  |
| 4HDP + 20S + 4HDP |                  | HD    |    | HD |    |        |    |    |    |    |       |    |    |    |  |  |  |  |  |

| PART NUMBER  | ROWS             | POWER |    | SIGNAL |    | POWER |    |
|--------------|------------------|-------|----|--------|----|-------|----|
|              |                  | P4    | P3 | 2      | 1  | P2    | P1 |
| 4-6450860-3  | D<br>C<br>B<br>A | GS    | GS | AP     | AP | GS    | GS |
|              |                  |       |    | AP     | AP |       |    |
|              |                  |       |    | AP     | AP |       |    |
| 2P + 8S + 2P |                  | HD    |    | HD     |    | HD    |    |



THIS DRAWING IS A CONTROLLED DOCUMENT.

|             |   |                  |         |           |                         |
|-------------|---|------------------|---------|-----------|-------------------------|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED:  | DMN              | D. ZHU  | 20DEC2007 | <br>TE Connectivity     |
| INCHES      | 0 PLC ±<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.020 | CHK              | S. ZHAO | 20DEC2007 |                         |
| MATERIAL    | FINISH  | APVD             | S. ZHAO | -         | NAME                    |
|             |   | PRODUCT SPEC     |         | 108-2292  | VER RECEPT ASSEMBLY     |
|             |   | APPLICATION SPEC |         | 114-13251 | SHORT GUIDES, PRESS FIT |
|             |   | WEIGHT           |         | -         | MULTI-BEAM XLE          |
|             |   | CUSTOMER DRAWING |         | SCALE     | N/A                     |
|             |   | SIZE             |         | A1        | 100779                  |
|             |   | CAGE CODE        |         | 6450860   | REV                     |
|             |   | DRAWING NO       |         | 23        | K2                      |
|             |   | RESTRICTED TO    |         | 28        |                         |

| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | DWN | APVD |
| ES  | 00   | SEE SHEET 1 | -    | -   | -    |
|     |      |             |      |     |      |
|     |      |             |      |     |      |



4-6450860-2

| PART NUMBER   | ROWS             | POWER |    | SIGNAL |    | POWER |     |
|---------------|------------------|-------|----|--------|----|-------|-----|
|               |                  | P4    | P3 | 2      | 1  | P2    | P1  |
| 4-6450860-2   | D<br>C<br>B<br>A | GS    | GP | AP     | AP | LSI   | LSI |
| 2LP + 8S + 2P |                  |       |    |        |    | HD    |     |



RECOMMENDED PCB LAYOUT

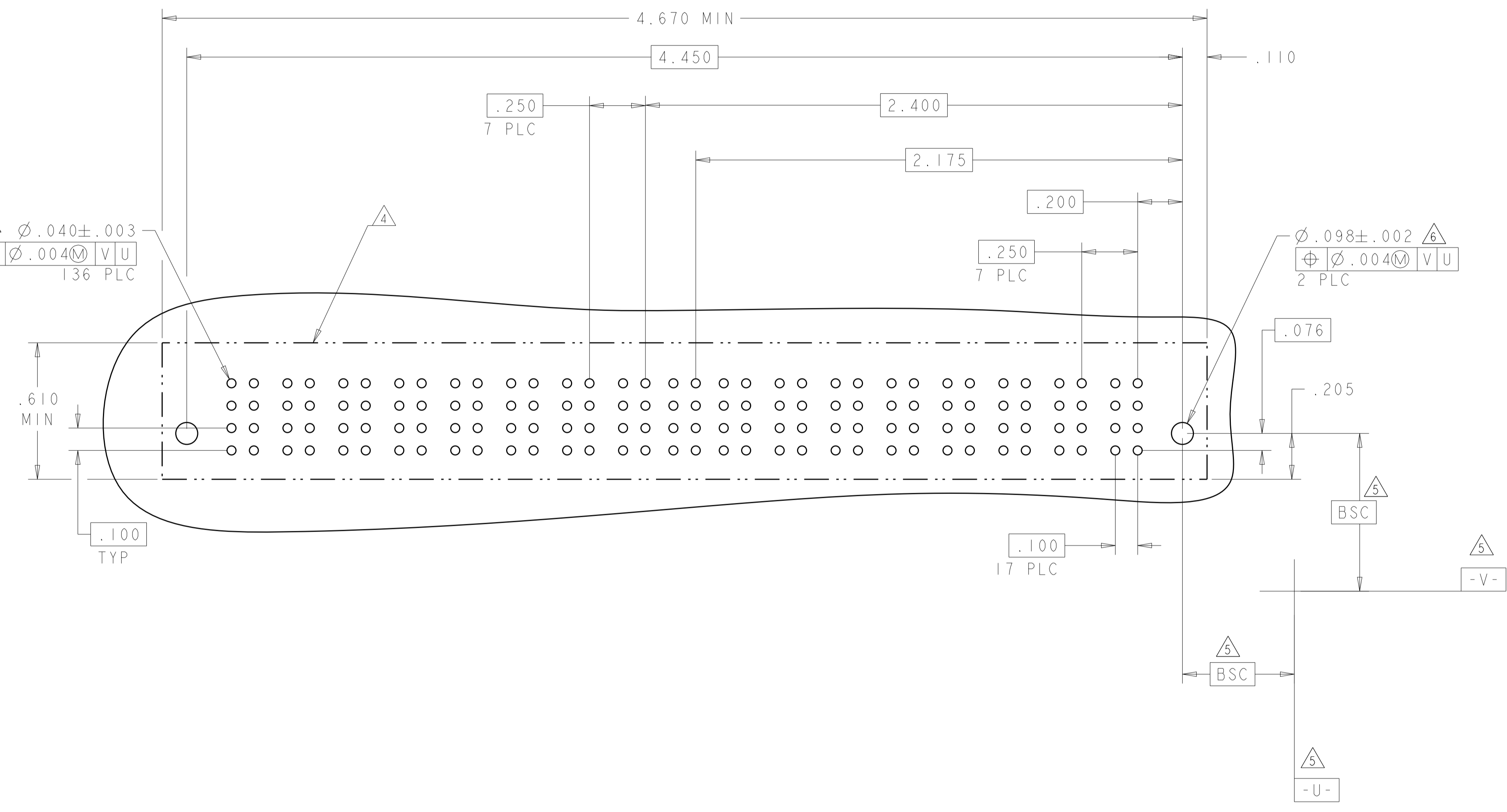
|  |  |  |           |                                 |
|--|--|--|-----------|---------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>D. ZHU                          | 20DEC2007 | TE Connectivity                 |
| DIMENSIONS:<br>INCHES                  |  | CHK<br>S. ZHAO                         | 20DEC2007 |                                 |
|  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |           | NAME                            |
| 0 PLC ±                                |  | APVD<br>S. ZHAO                        |           | VER RECEP ASSEMBLY              |
| 1 PLC ±.01                             |  | PRODUCT SPEC                           |           | SHORT GUIDES, PRESS FIT         |
| 2 PLC ±.01                             |  | APPLICATION SPEC                       |           | MULTI-BEAM XLE                  |
| 3 PLC ±.005                            |  | 114-13251                              |           | SIZE CAGE CODE DRAWING NO       |
| 4 PLC ±.0020                           |  | WEIGHT                                 |           | A100779C=6450860                |
| ANGLES ±.2°                            |  | FINISH                                 |           | RESTRICTED TO                   |
| MATERIAL                               |  | CUSTOMER DRAWING                       |           | SCALE N/A SHEET 24 OF 28 REV K2 |



| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | DMN | APVD |
| -   | -    | SEE SHEET 1 | -    | -   | -    |
|     |      |             |      |     |      |
|     |      |             |      |     |      |
|     |      |             |      |     |      |

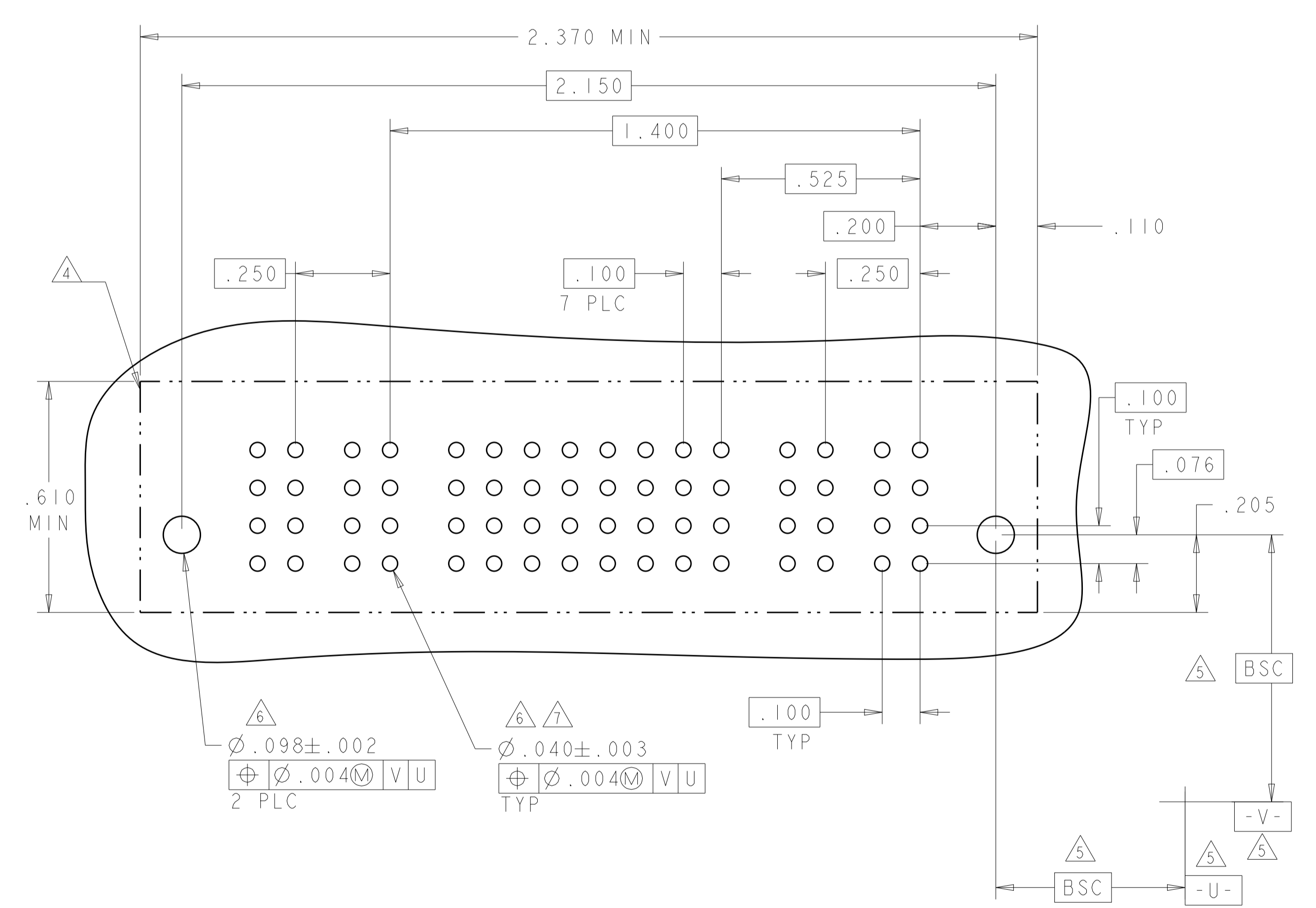
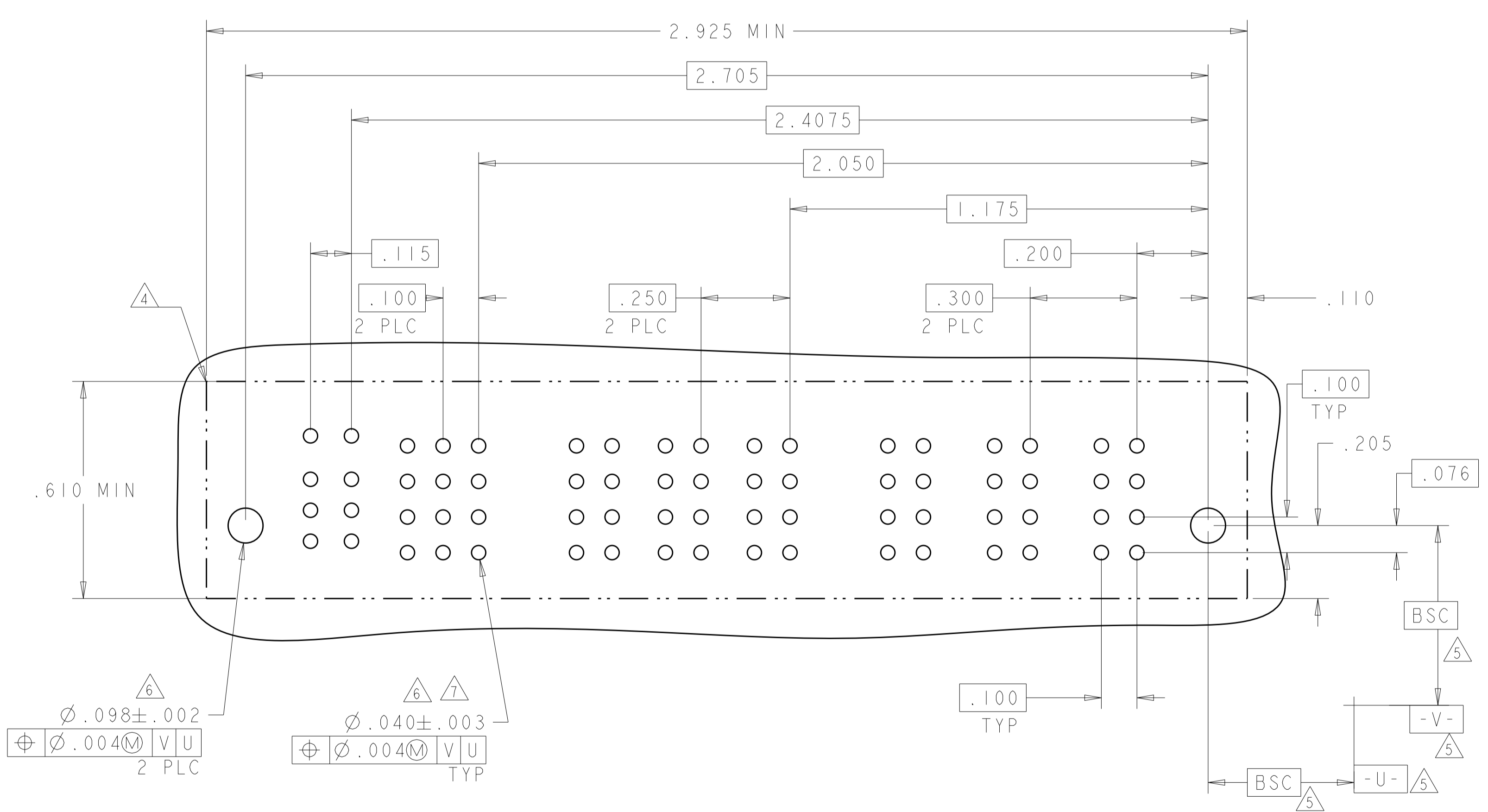
| PART NUMBER  | ROWS             | POWER |     |     |     |     |     |     |    | SIGNAL |    | POWER |    |    |    |    |    |    |    |
|--------------|------------------|-------|-----|-----|-----|-----|-----|-----|----|--------|----|-------|----|----|----|----|----|----|----|
|              |                  | P16   | P15 | P14 | P13 | P12 | P11 | P10 | P9 | 2      | 1  | P8    | P7 | P6 | P5 | P4 | P3 | P2 | P1 |
| 4-6450860-4  | D<br>C<br>B<br>A | GS    | GS  | GS  | GS  | GS  | GS  | GS  | GS | AP     | AP | GS    | GS | GS | GS | GS | GS | GS | GS |
| 8P + 8S + 8P |                  |       |     |     |     |     |     |     |    |        |    |       |    |    |    |    |    |    |    |

J2



|  |  |                  |           |   |
|--|--|------------------|-----------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DMN<br>D. ZHU    | 20DEC2007 | TE Connectivity   |
| DIMENSIONS: INCHES                     |  | CHK<br>S. ZHAO   | 20DEC2007 |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD<br>S. ZHAO  | -         | NAME  |
| 0 PLC ±                                |  | PRODUCT SPEC     |           | VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE |
| 1 PLC ±.01                             |  | 108-2292         |           |   |
| 2 PLC ±.01                             |  | APPLICATION SPEC |           |   |
| 3 PLC ±.005                            |  | 114-13251        |           |   |
| 4 PLC ±.0020                           |  | WEIGHT           |           | SIZE CAGE CODE DRAWING NO                                       |
| ANGLES ±.2°                            |  | CUSTOMER DRAWING |           | A100779C=6450860  |
| FINISH                                 |  | SCALE            |           | RESTRICTED TO   |
| -                                      |  | N/A              |           | -   |
| -                                      |  | SHEET 25 OF 28   |           | REV K2  |

| LOC |    | DIST |     | REVISIONS   |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| ES  | 00 | P    | LTN | DESCRIPTION | DATE | DMN | APVD |
|     |    | -    |     | SEE SHEET 1 |      |     |      |



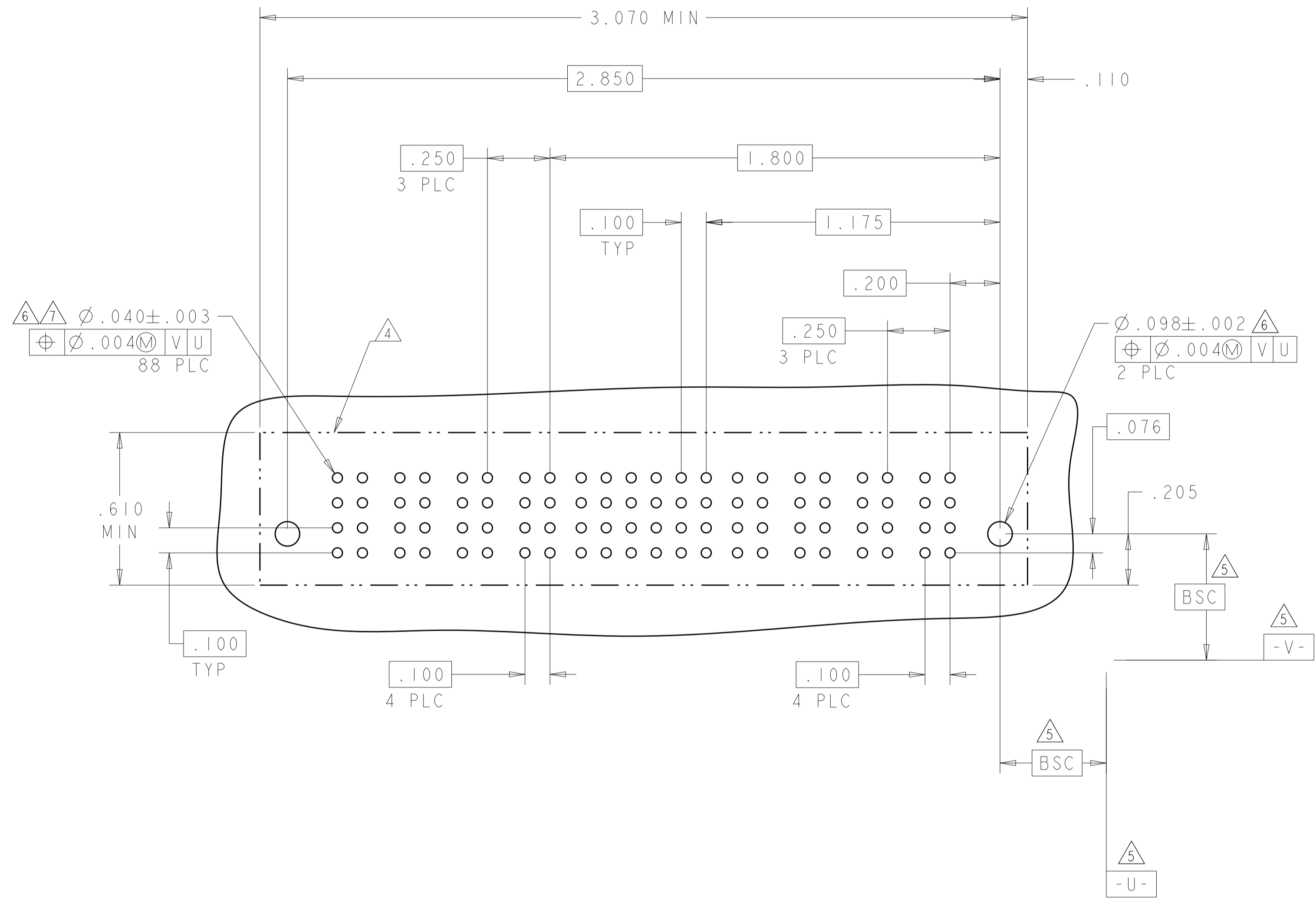
THIS DRAWING IS A CONTROLLED DOCUMENT.

|             |  |               |           |                             |
|-------------|--|---------------|-----------|-----------------------------|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED: | OWN: D. ZHU   | 20DEC2007 | <br>TE Connectivity         |
| INCHES      | 0 PLC ±.01                             | CHK: S. ZHAO  | 20DEC2007 |                             |
|             | 1 PLC ±.01                             | APVD: S. ZHAO |           |                             |
|             | 2 PLC ±.01                             |               |           |                             |
|             | 3 PLC ±.01                             |               |           | NAME: VER RECEPT ASSEMBLY   |
|             | 4 PLC ±.005                            |               |           | PRODUCT SPEC: 108-2292      |
|             | 5 PLC ±.005                            |               |           | APPLICATION SPEC: 114-13251 |
|             | 6 PLC ±.0020                           |               |           | SIZE: A100779               |
|             | ANGLES ±.020                           |               |           | CAGE CODE: 6450860          |
| MATERIAL:   | FINISH:                                | WEIGHT:       |           | RESTRICTED TO:              |
|             |  |               |           | SCALE: N/A                  |
|             |  |               |           | SHEET 26 OF 28              |
|             |  |               |           | REV: K2                     |

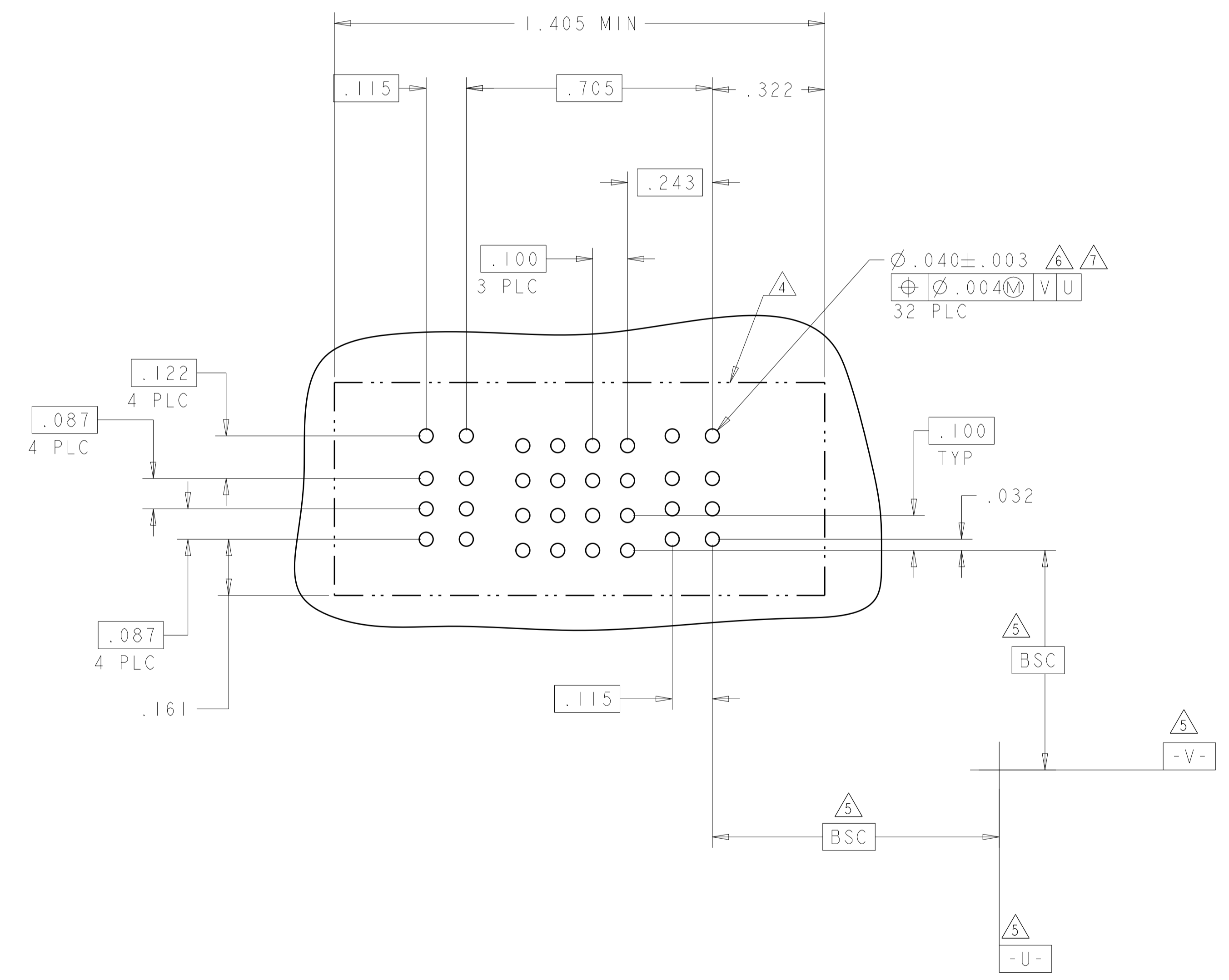
| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | OWN | APVD |
| -   | -    | SEE SHEET 1 | -    | -   | -    |

| PART NUMBER   | ROWS | POWER |    |    |    | SIGNAL |    |    |    |    | POWER |    |    |    |    |    |
|---------------|------|-------|----|----|----|--------|----|----|----|----|-------|----|----|----|----|----|
|               |      | P8    | P7 | P6 | P5 | 6      | 5  | 4  | 3  | 2  | 1     | P4 | P3 | P2 | P1 |    |
| 4-6450860-7   | D    | GS    | GS | GS | GS | AP     | AP | AP | AP | AP | AP    | GS | GS | GS | GS |    |
|               | C    |       |    |    |    | AP     | AP | AP | AP | AP |       |    |    |    |    |    |
|               | B    |       |    |    |    | AP     | AP | AP | AP | AP |       |    |    |    |    |    |
|               | A    |       |    |    |    | AP     | AP | AP | AP | AP |       |    |    |    |    |    |
| 4P + 24S + 4P |      | HD    |    |    |    |        |    |    |    |    |       |    |    |    |    | HD |

| PART NUMBER     | ROWS | LOW POWER |     | SIGNAL |    |    |    | LOW POWER |     |
|-----------------|------|-----------|-----|--------|----|----|----|-----------|-----|
|                 |      | P4        | P3  | 4      | 3  | 2  | 1  | P2        | P1  |
| 4-6450860-8     | D    | LS1       | LS1 | AP     | AP | AP | AP | LS1       | LS1 |
|                 | C    |           |     | AP     | AP | AP | AP |           |     |
|                 | B    |           |     | AP     | AP | AP | AP |           |     |
|                 | A    |           |     | AP     | AP | AP | AP |           |     |
| 2LP + 16S + 2LP |      |           |     |        |    |    |    |           |     |



J9




THIS DRAWING IS A CONTROLLED DOCUMENT.

|             |   |                             |           |  |                 |
|-------------|---|-----------------------------|-----------|--|-----------------|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED:  | OWN: D. ZHU                 | 20DEC2007 |  | TE Connectivity |
| INCHES      | 0 PLC ±.01<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.2°<br>FINISH | CHK: S. ZHAO                | 20DEC2007 |  |                 |
| MATERIAL:   |   | APVD: S. ZHAO               |           | NAME: VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE |                 |
|             |   | PRODUCT SPEC: 108-2292      |           | SIZE: CAGE CODE: DRAWING NO: 114-13251                           |                 |
|             |   | APPLICATION SPEC: 114-13251 |           | RESTRICTED TO: A100779C=6450860                                  |                 |
|             |   | WEIGHT:                     |           | SCALE: N/A SHEET 27 OF 28 REV: K2                                |                 |
|             |   | CUSTOMER DRAWING            |           |  |                 |

| LOC |    | DIST |     | REVISIONS   |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| ES  | 00 | P    | LTH | DESCRIPTION | DATE | DWN | APVD |
|     |    | -    |     | SEE SHEET 1 |      |     |      |
|     |    |      |     |             |      |     |      |
|     |    |      |     |             |      |     |      |

| PART NUMBER   | ROWS | POWER |    | SIGNAL |    |    |    |    |    | POWER |    |    |
|---------------|------|-------|----|--------|----|----|----|----|----|-------|----|----|
|               |      | P4    | P3 | 6      | 5  | 4  | 3  | 2  | 1  | P2    | P1 |    |
| 5-6450860-2   | D    | GS    | GS | AP     | AP | AP | AP | AP | AP | AP    | GS | GS |
|               | C    |       |    | AP     | AP | AP | AP | AP | AP |       |    |    |
|               | B    |       |    | AP     | AP | AP | AP | AP | AP |       |    |    |
|               | A    |       |    | AP     | AP | AP | AP | AP | AP |       |    |    |
| 2P + 24S + 2P |      |       |    |        |    |    |    |    |    |       |    |    |



|   |        |                  |              |   |      |       |      |       |        |        |      |                          |                               |            |
|---|--------|------------------|--------------|---|------|-------|------|-------|--------|--------|------|--------------------------|-------------------------------|------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |        | DWN<br>D. ZHU    | Z0DEC2007    |  TE Connectivity |      |       |      |       |        |        |      |                          |                               |            |
| DIMENSIONS:<br>INCHES   |        | CHK<br>S. ZHAO   | Z0DEC2007    |   |      |       |      |       |        |        |      |                          |                               |            |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:  |        | APVD<br>S. ZHAO  |              | NAME<br>VER RECEP ASSEMBLY<br>SHORT GUIDES, PRESS FIT<br>MULTI-BEAM XLE                               |      |       |      |       |        |        |      |                          |                               |            |
| <table border="1"> <tr> <td>0 PLC</td> <td>±</td> </tr> <tr> <td>2 PLC</td> <td>±.01</td> </tr> <tr> <td>3 PLC</td> <td>±.05</td> </tr> <tr> <td>4 PLC</td> <td>±.0020</td> </tr> <tr> <td>ANGLES</td> <td>±.2°</td> </tr> </table> |        | 0 PLC            | ±            | 2 PLC   | ±.01 | 3 PLC | ±.05 | 4 PLC | ±.0020 | ANGLES | ±.2° | PRODUCT SPEC<br>108-2292 | APPLICATION SPEC<br>114-13251 | SIZE<br>A1 |
| 0 PLC   | ±      |                  |              |   |      |       |      |       |        |        |      |                          |                               |            |
| 2 PLC   | ±.01   |                  |              |   |      |       |      |       |        |        |      |                          |                               |            |
| 3 PLC   | ±.05   |                  |              |   |      |       |      |       |        |        |      |                          |                               |            |
| 4 PLC   | ±.0020 |                  |              |   |      |       |      |       |        |        |      |                          |                               |            |
| ANGLES  | ±.2°   |                  |              |   |      |       |      |       |        |        |      |                          |                               |            |
| MATERIAL  |        | WEIGHT           | 114-13251    | CAGE CODE<br>6450860  |      |       |      |       |        |        |      |                          |                               |            |
| FINISH  |        | CUSTOMER DRAWING | SCALE<br>N/A | SHEET<br>28 OF 28   |      |       |      |       |        |        |      |                          |                               |            |
| 4805 (3/11)   |        | REV<br>K2        |              |   |      |       |      |       |        |        |      |                          |                               |            |

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

Наши преимущества:

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

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



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

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

«FORSTAR» (основан в 1998 г.)

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

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



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Электронная почта: [ocean@oceanchips.ru](mailto:ocean@oceanchips.ru)

Web: <http://oceanchips.ru/>

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А