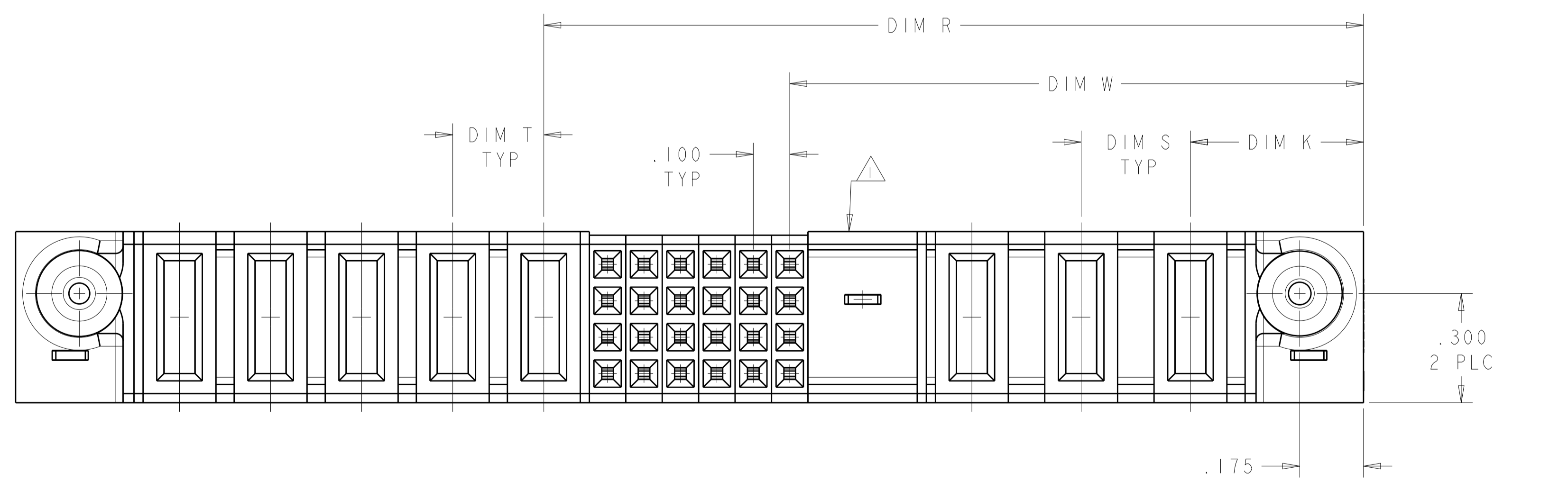
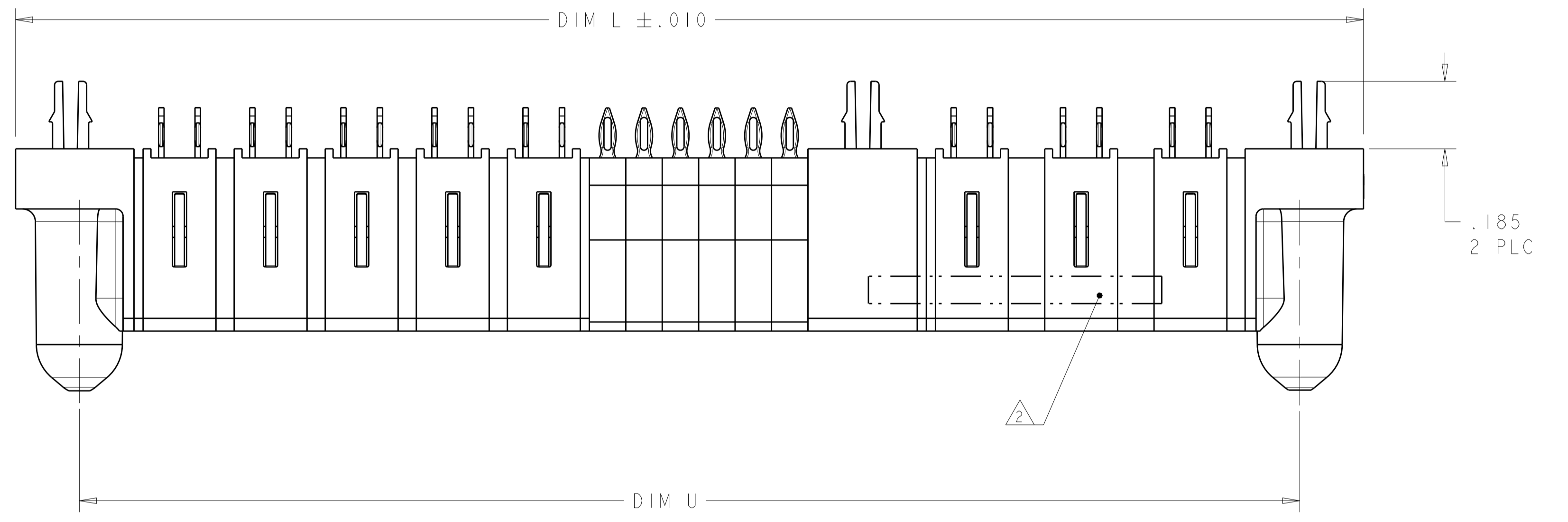
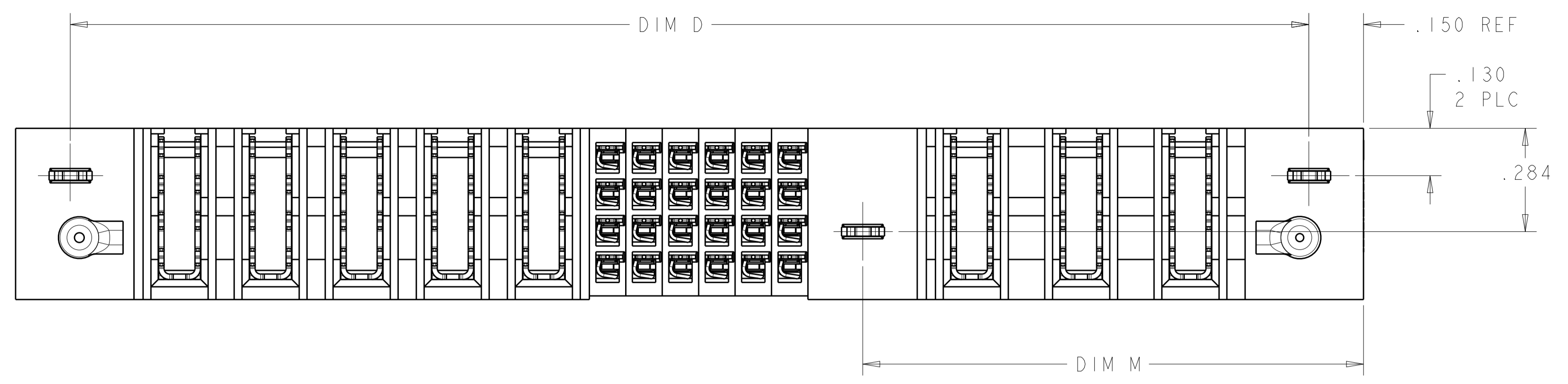
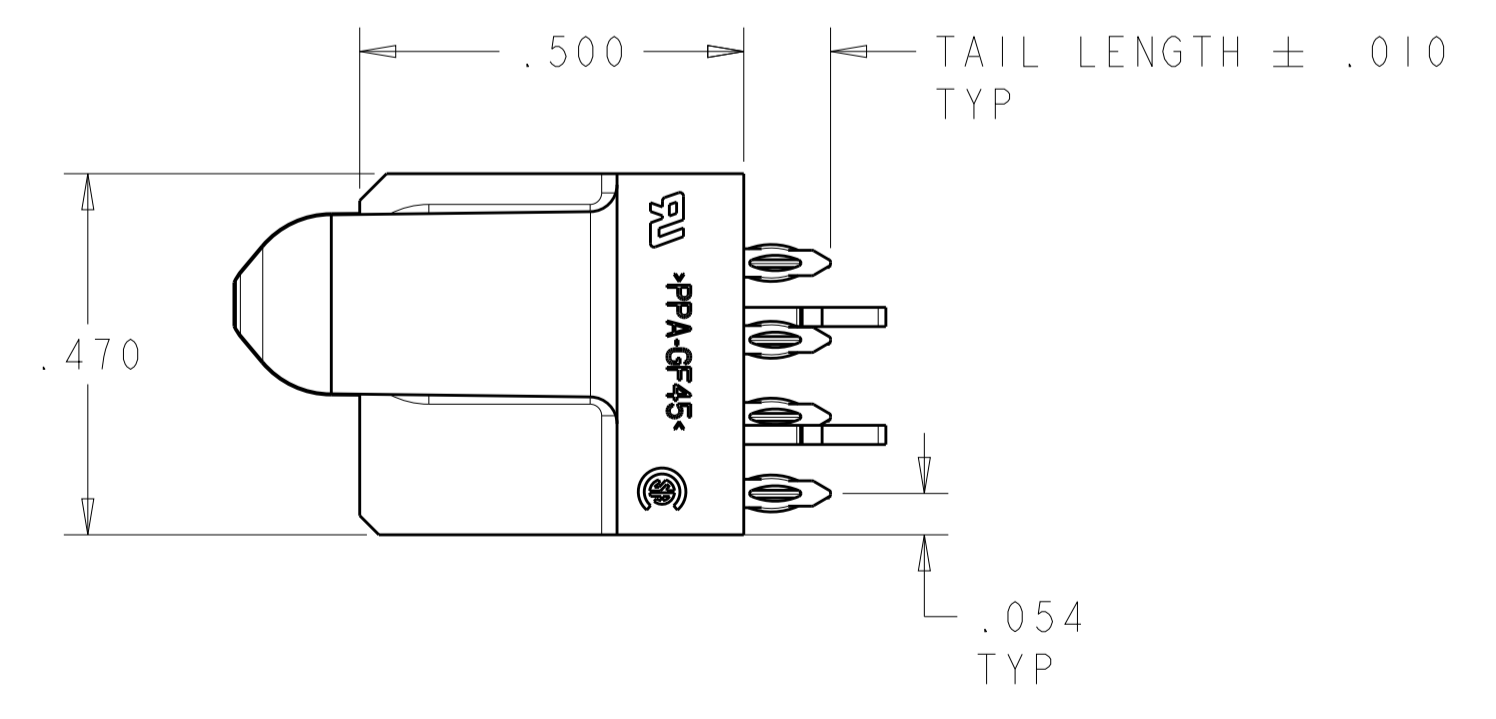


| LOC |    | DIST |     | REVISIONS             |           |     |      |
|-----|----|------|-----|-----------------------|-----------|-----|------|
| ES  | 00 | P    | LTN | DESCRIPTION           | DATE      | DWN | APVD |
|     |    | U3   |     | REV PER ECR-13-015977 | 14OCT2013 | CZ  | SZ   |



- 1 OPTIONAL CENTER MODULE, WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE
- 2 "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN MARKING ON BOTH SIDES PERMITTED FOR PARTS UNDER 2.00 LONG
- 3 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0, BLACK  
 SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY  
 POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 4 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS
- 5 MECHANICAL CONNECTOR KEEP OUT ZONE
- 6 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
- 7 PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES
- 8 PCB - .0453 ±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 PLATING TO ACHIEVE A .040 HOLE
- 9 VARIABLE DIMENSION SHOWN ON VIEW (SHEET 7, 10)


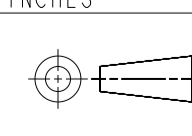


|  |  |                               |   |
|--|--|-------------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | DWN<br>R. GRZYBOWSKI 02MAY05  | TE Connectivity   |
| DIMENSIONS:<br>INCHES  |  | CHK<br>M. PERCHERKE 02MAY05   |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.0° |  | APVD<br>M. PERCHERKE          | NAME<br>VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |
| MATERIAL   |  | PRODUCT SPEC<br>108-1973      | SIZE<br>A1  |
| FINISH   |  | APPLICATION SPEC<br>114-13038 | CAGE CODE<br>6450550  |
| 3  |  | WEIGHT                        | RESTRICTED TO   |
| 4  |  | CUSTOMER DRAWING              | SCALE 4:1 SHEET 1 OF 23 REV U3                                  |

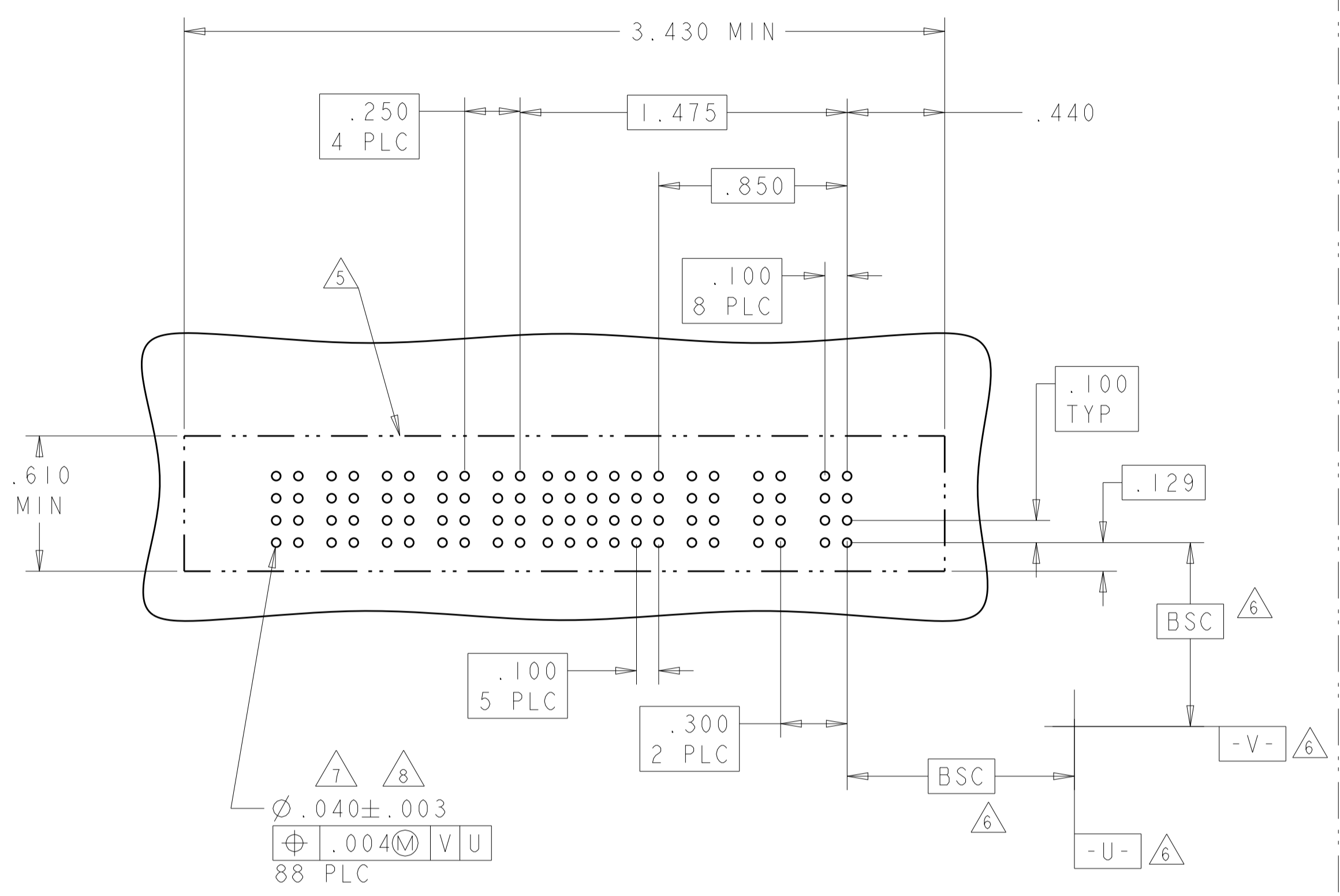
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| ES  | 00   | P         | LTN | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         |     | SEE SHEET 1 |      |     |      |
|     |      |           |     |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

|   |       |       |                |                |       |       |       |      |                      |             |
|---|-------|-------|----------------|----------------|-------|-------|-------|------|----------------------|-------------|
| - | 4.300 | 4.250 | .250           | .250           | 3.150 | 1.875 | 4.600 | .450 | 6P + 48S + 5P        | 7-6450550-3 |
| - | 3.850 | 3.800 | .250           | .250           | 2.950 | 1.375 | 4.150 | .450 | 4P + 60S + 4P        | 7-6450550-2 |
| - | 1.950 | 1.900 | .250           | .250           | 1.550 | .875  | 2.250 | .450 | 2P + 24S + 2P        | 7-6450550-1 |
| - | 2.350 | 2.300 | .250           | .250           | 1.700 | 1.175 | 2.650 | .450 | 3P + 16S + 3P        | 6-6450550-9 |
| - | 2.650 | 2.600 | .250           | .250           | 2.000 | 1.125 | 2.950 | .450 | 3P + 32S + 3P        | 6-6450550-7 |
| - | 2.050 | 2.000 | .250           | .250           | 1.650 | .925  | 2.350 | .450 | 2P + 24S + 2P        | 6-6450550-6 |
| - | 5.450 | 5.400 | .250           | .250           | 3.300 | 2.625 | 5.750 | .450 | 9P + 24S + 9P        | 6-6450550-5 |
| - | 2.250 | 2.20  | .250           | .250           | 1.350 | .875  | 2.550 | .450 | 2P + 16S + 4P        | 6-6450550-4 |
| - | 4.450 | 4.400 | .250           | .250           | 2.800 | 2.125 | 4.750 | .450 | 7P + 24S + 7P        | 6-6450550-3 |
| - | -     | 3.950 | .250           | .200           | 2.125 | 1.025 | 4.300 | .425 | 3P + 40S + 8P        | 6-6450550-2 |
| - | 5.450 | 5.400 | .250           | .250           | 3.300 | 2.625 | 5.750 | .450 | 9P + 24S + 9P        | 6-6450550-1 |
| - | 3.300 | 3.250 | .250           | .250           | 2.400 | 1.675 | 3.600 | .450 | 5P + 24S + 4P        | 6-6450550-0 |
| - | 3.300 | 3.250 | .250           | .250           | 2.150 | 1.425 | 3.600 | .450 | 4P + 24S + 5P        | 5-6450550-9 |
| - | 2.150 | 2.100 | -              | .250           | 1.750 | .875  | 2.450 | .450 | 2P + 32S + 2P        | 5-6450550-8 |
| - | 3.050 | 3.000 | .250           | .250           | 2.150 | 1.425 | 3.350 | .450 | 4P + 24S + 4P        | 5-6450550-7 |
| - | 2.250 | 2.200 | .200           | .200           | 1.725 | 1.025 | 2.550 | .425 | 3P + 24S + 3P        | 5-6450550-6 |
| - | 3.300 | 3.250 | .250           | .250           | 2.150 | 1.425 | 3.600 | .450 | 4P + 24S + 5P        | 5-6450550-5 |
| - | 2.250 | 2.200 | .250           | .250           | 1.350 | .875  | 2.550 | .450 | 2P + 16S + 4P        | 5-6450550-4 |
| - | -     | 3.050 | .250           | .300           | 1.950 | 1.275 | 3.400 | .475 | 3ACP + 24S + 5P      | 5-6450550-3 |
| - | 1.950 | 1.900 | .250           | .250           | 1.550 | .875  | 2.250 | .450 | 2P + 24S + 2P        | 5-6450550-0 |
| - | -     | 6.300 | △ <sub>9</sub> | △ <sub>9</sub> | 3.925 | 3.275 | 6.650 | .425 | 14P + 24S + 12P      | 4-6450550-9 |
| - | 1.950 | 1.900 | .250           | .250           | 1.550 | .875  | 2.250 | .450 | 2P + 24S + 2P        | 4-6450550-7 |
| - | 3.950 | 3.900 | .250           | .250           | 2.550 | 1.875 | 4.250 | .450 | 6P + 24S + 6P        | 4-6450550-5 |
| - | -     | 2.400 | .250           | .250           | 1.550 | 1.375 | 2.750 | .450 | 4P + 4S + 4P         | 4-6450550-2 |
| - | -     | 2.400 | .250           | .250           | 1.550 | .875  | 2.750 | .450 | 2P + 24S + 4P        | 4-6450550-0 |
| - | -     | 3.100 | .200           | .200           | 2.225 | 1.375 | 3.450 | .425 | 5P + 32S + 5P        | 3-6450550-5 |
| - | -     | 5.450 | △ <sub>9</sub> | △ <sub>9</sub> | 3.075 | 2.425 | 5.800 | .425 | 10P + 24S + 12P      | 3-6450550-2 |
| - | 3.350 | 3.300 | .250           | .250           | 2.450 | 1.375 | 3.650 | .450 | 4P + 40S + 4P        | 2-6450550-9 |
| - | -     | 3.100 | .200           | .200           | 2.225 | 1.375 | 3.450 | .425 | 5P + 32S + 5P        | 2-6450550-8 |
| - | -     | 2.100 | .250           | .300           | 1.750 | 1.275 | 2.450 | .475 | 3ACP + 16S + 2P      | 2-6450550-4 |
| - | -     | 2.250 | .250           | .200           | 1.900 | 1.225 | 2.600 | .450 | 4P + 24S + 2P        | 1-6450550-9 |
| - | 4.325 | 4.275 | .250           | △ <sub>9</sub> | 3.175 | 2.500 | 4.625 | .475 | 2ACP + 6P + 24S + 5P | 1-6450550-8 |
| - | -     | 1.575 | -              | -              | 1.425 | .700  | 1.925 | .475 | 1P + 24S + 1P        | 1-6450550-7 |
| - | -     | 2.500 | .250           | .250           | 2.150 | 1.425 | 2.850 | .450 | 4P + 24S + 2P        | 1-6450550-6 |
| - | 1.950 | 1.900 | .250           | .250           | 1.550 | .875  | 2.250 | .450 | 2P + 24S + 2P        | 1-6450550-5 |
| - | 2.850 | 2.800 | .300           | .250           | 2.075 | 1.375 | 3.150 | .450 | 4P + 24S + 3ACP      | 1-6450550-4 |
| - | 3.550 | 3.500 | .200           | .200           | 2.225 | 1.775 | 3.850 | .425 | 7P + 16S + 7P        | 1-6450550-3 |
| - | 4.450 | 4.400 | .250           | .250           | 4.050 | .875  | 4.750 | .450 | 2P + 124S + 2P       | 1-6450550-2 |
| - | 4.550 | 4.500 | .250           | .300           | 1.650 | .975  | 4.850 | .475 | 2ACP + 24S + 12P     | 1-6450550-1 |
| - | 2.550 | 2.500 | .250           | .250           | 2.150 | .875  | 2.850 | .450 | 2P + 48S + 2P        | 1-6450550-0 |
| - | -     | 4.050 | .300           | .250           | 3.350 | 2.875 | 4.400 | .450 | 10P + 16S + 3ACP     | 6450550-8   |
| - | -     | 3.950 | .250           | .200           | 2.125 | 1.025 | 4.300 | .425 | 3P + 40S + 8P        | 6450550-7   |
| - | -     | 4.050 | -              | .250           | 3.950 | .875  | 4.400 | .450 | 2P + 120S + 1P       | 6450550-6   |
| - | -     | 3.250 | -              | .250           | 3.150 | .875  | 3.600 | .450 | 2P + 88S + 1P        | 6450550-5   |
| - | -     | 1.400 | -              | -              | 1.300 | .625  | 1.750 | .450 | 1P + 24S + 1P        | 6450550-4   |
| - | -     | 2.900 | .250           | .250           | 2.550 | .875  | 3.250 | .450 | 2P + 64S + 2P        | 6450550-3   |
| - | -     | 2.550 | .300           | .250           | 1.825 | 1.125 | 2.900 | .450 | 3P + 24S + 3ACP      | 6450550-2   |
| - | -     | 3.050 | .250           | .300           | 1.950 | 1.275 | 3.400 | .475 | 3ACP + 24S + 5P      | 6450550-1   |
| M | D     | U     | T              | S              | R     | W     | L     | K    | DESCRIPTION          | PART NUMBER |

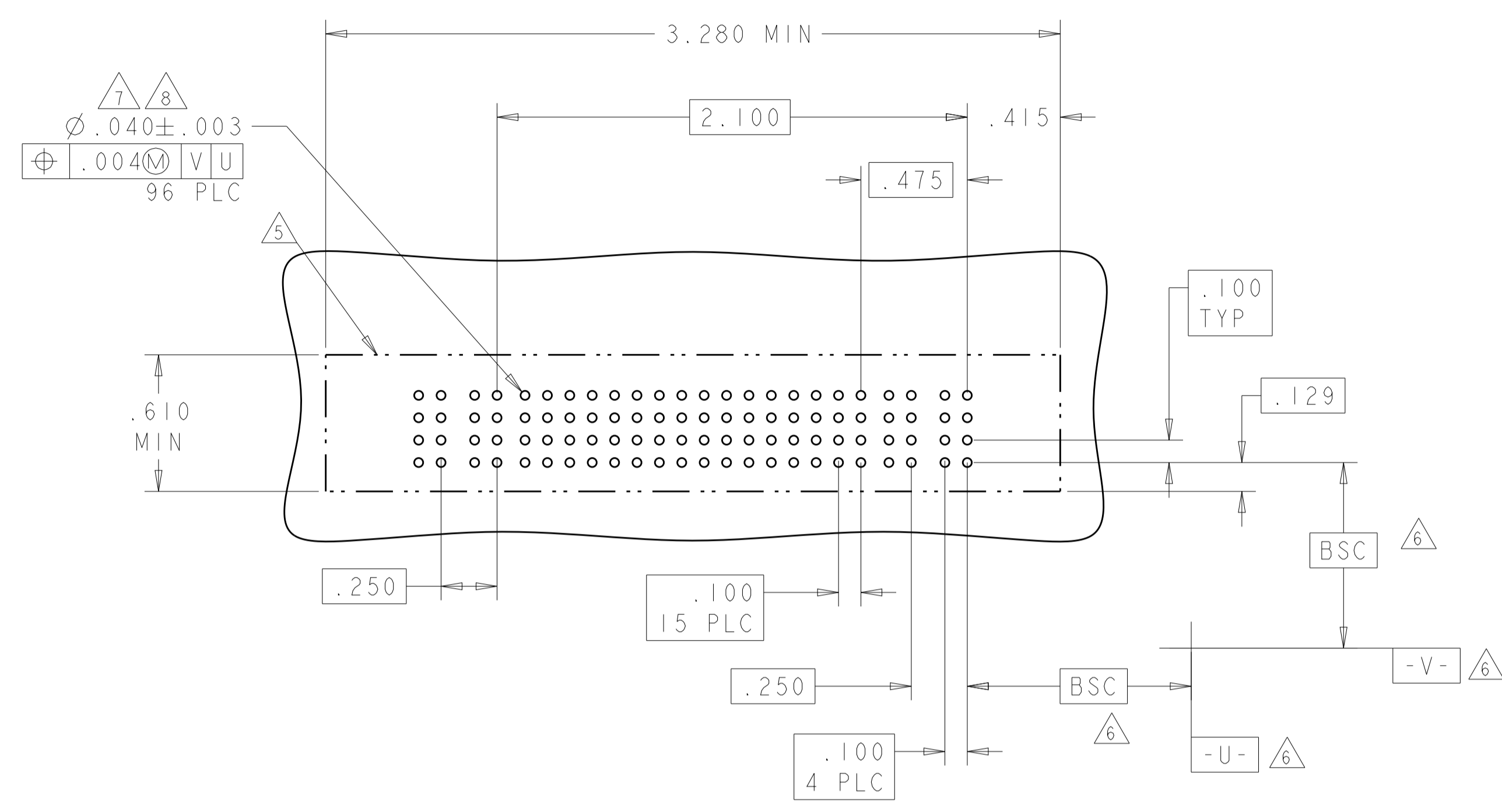
U

|  |  |   |   |   |
|--|--|---|---|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | DWN<br>R. GRZYBOWSKI<br>CHK<br>M. PERCHERKE | 02MAY05                                       |  TE Connectivity |
| DIMENSIONS:<br>INCHES  |  | APVD<br>M. PERCHERKE                        | NAME  |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.005<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.020<br>FINISH |  | PRODUCT SPEC<br>108-1973                    | APPLICATION SPEC                              | VERTICAL RECEPTACLE ASSEMBLY<br>WITH GUIDES, MULTI-BEAM XL  |
|   |  | RESTRICTED TO                               | SIZE CAGE CODE DRAWING NO<br>A100779C=6450550 |   |
| MATERIAL   |  | WEIGHT                                      | CUSTOMER DRAWING                              | SCALE 4:1 SHEET 2 OF 23 REV U3  |

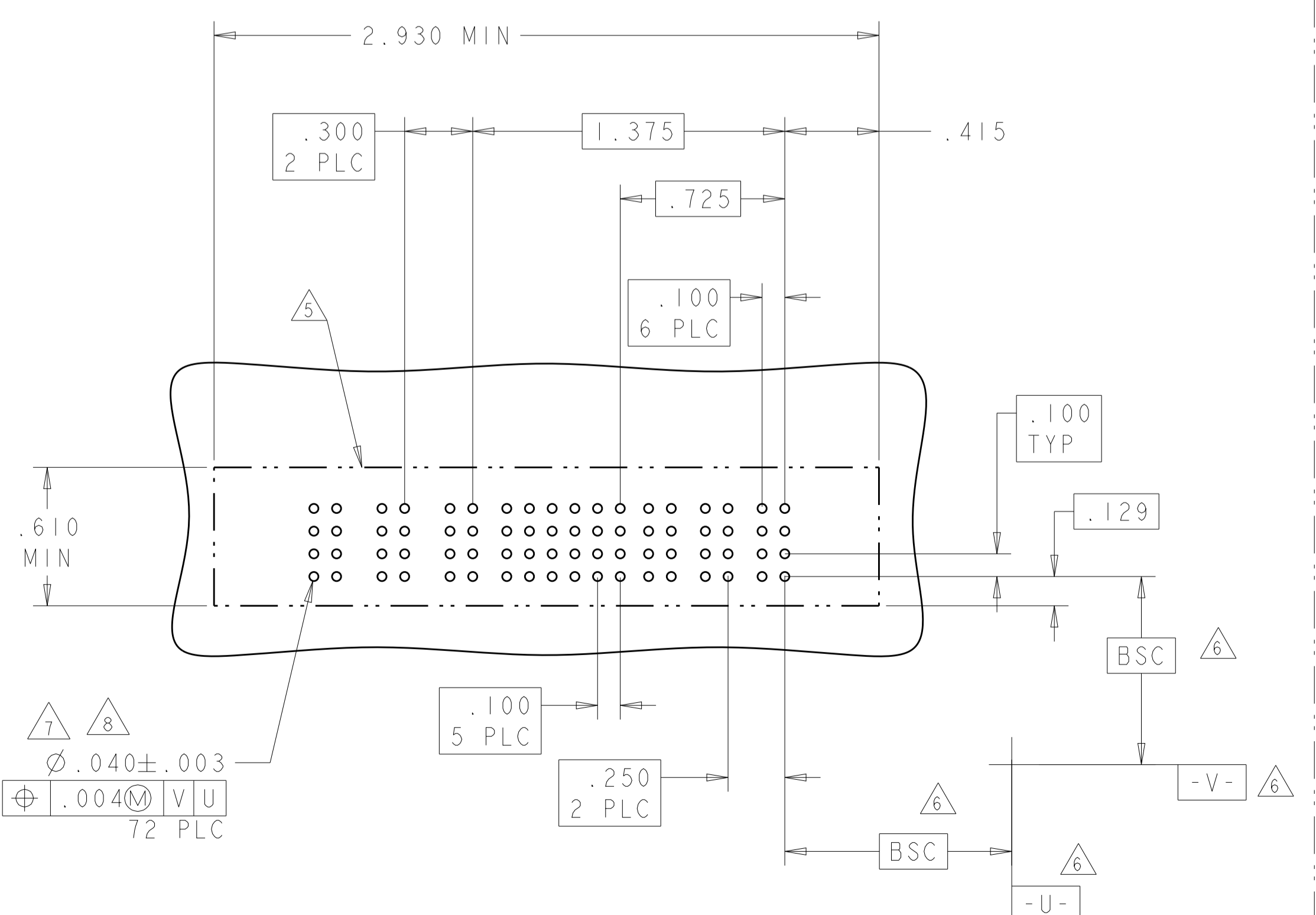
| PART NUMBER     | ROWS             | POWER (L) |    |    |    | SIGNAL |    |    |    |    |    |    | POWER (R) |    |    |    |    |    |    |
|-----------------|------------------|-----------|----|----|----|--------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|
|                 |                  | P8        | P7 | P6 | P5 | P4     | 6  | 5  | 4  | 3  | 2  | 1  | P3        | P2 | P1 |    |    |    |    |
| 6450550-1       | D<br>C<br>B<br>A | GS        | GS | GS | GS | AP     | AP | AP | AP | AP | AP | AP | AP        | AP | AP | GP | GS | GS | GS |
|                 |                  | AP        | AP | AP | AP | AP     | AP | AP | AP | AP | AP | AP | AP        | AP | AP | GP | GS | GS | GS |
|                 |                  | AP        | AP | AP | AP | AP     | AP | AP | AP | AP | AP | AP | AP        | AP | AP | GP | GS | GS | GS |
|                 |                  | AP        | AP | AP | AP | AP     | AP | AP | AP | AP | AP | AP | AP        | AP | AP | GP | GS | GS | GS |
| 3ACP + 24S + 5P |                  |           |    |    |    |        |    |    |    |    |    |    |           |    |    |    |    |    |    |



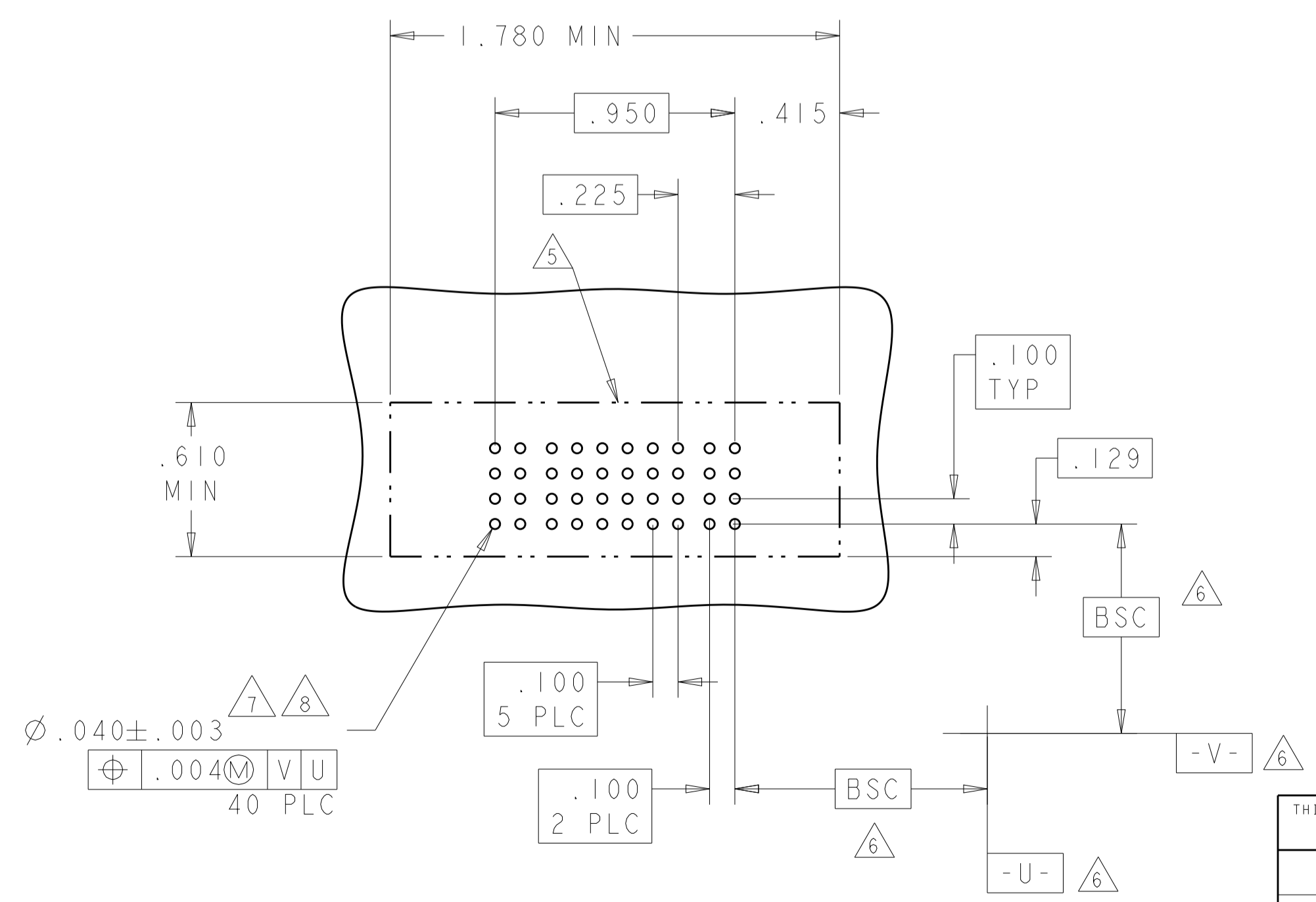
| PART NUMBER   | ROWS             | SIGNAL |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | POWER (R) |    |    |    |    |    |    |    |  |  |
|---------------|------------------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|--|--|
|               |                  | P4     | P3 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2         | 1  | P2 | P1 |    |    |    |    |  |  |
| 6450550-3     | D<br>C<br>B<br>A | GP     | GS | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP        | AP | AP | AP | AP | GP | GS | GS |  |  |
|               |                  | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP        | AP | AP | AP | AP | GP | GS | GS |  |  |
|               |                  | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP        | AP | AP | AP | AP | GP | GS | GS |  |  |
|               |                  | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP        | AP | AP | AP | AP | GP | GS | GS |  |  |
| 2P + 64S + 2P |                  |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |           |    |    |    |    |    |    |    |  |  |



| PART NUMBER     | ROWS             | POWER (L) |    |    | SIGNAL |    |    |    |    |    |    | POWER (R) |    |    |    |    |    |
|-----------------|------------------|-----------|----|----|--------|----|----|----|----|----|----|-----------|----|----|----|----|----|
|                 |                  | P6        | P5 | P4 | 6      | 5  | 4  | 3  | 2  | 1  | P3 | P2        | P1 |    |    |    |    |
| 6450550-2       | D<br>C<br>B<br>A | GP        | GS | GS | AP     | AP | AP | AP | AP | AP | AP | AP        | AP | GP | GS | GS | GS |
|                 |                  | AP        | AP | AP | AP     | AP | AP | AP | AP | AP | AP | AP        | AP | GP | GS | GS | GS |
|                 |                  | AP        | AP | AP | AP     | AP | AP | AP | AP | AP | AP | AP        | AP | GP | GS | GS | GS |
|                 |                  | AP        | AP | AP | AP     | AP | AP | AP | AP | AP | AP | AP        | AP | GP | GS | GS | GS |
| 3P + 24S + 3ACP |                  |           |    |    |        |    |    |    |    |    |    |           |    |    |    |    |    |



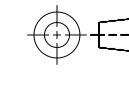
| PART NUMBER   | ROWS             | SIGNAL |    |    |    |    |    | POWER (R) |    |    |
|---------------|------------------|--------|----|----|----|----|----|-----------|----|----|
|               |                  | P2     | 6  | 5  | 4  | 3  | 2  | 1         | P1 |    |
| 6450550-4     | D<br>C<br>B<br>A | GP     | AP | AP | AP | AP | AP | AP        | GP | GS |
|               |                  | AP     | AP | AP | AP | AP | AP | AP        | GP | GS |
|               |                  | AP     | AP | AP | AP | AP | AP | AP        | GP | GS |
|               |                  | AP     | AP | AP | AP | AP | AP | AP        | GP | GS |
| IP + 24S + IP |                  |        |    |    |    |    |    |           |    |    |



| CODE | DESCRIPTION         | TAIL LENGTH |
|------|---------------------|-------------|
| VP   | POWER CONTACT MFBL  | .115        |
| VS   | POWER CONTACT STD   | .115        |
| P    | SINGAL CONTACT      | .115        |
| AT   | SIGNAL CONTACT      | .135        |
| PT   | POWER CONTACT MFBL  | .135        |
| ST   | POWER CONTACT STD   | .135        |
| BP   | SIGNAL CONTACT      | .165        |
| HS   | POWER CONTACT, STD  | .165        |
| HP   | POWER CONTACT, MFBL | .165        |
| AP   | SIGNAL CONTACT      | .135        |
| GS   | POWER CONTACT, STD  | .135        |
| GP   | POWER CONTACT, MFBL | .135        |

CONTACT TALE

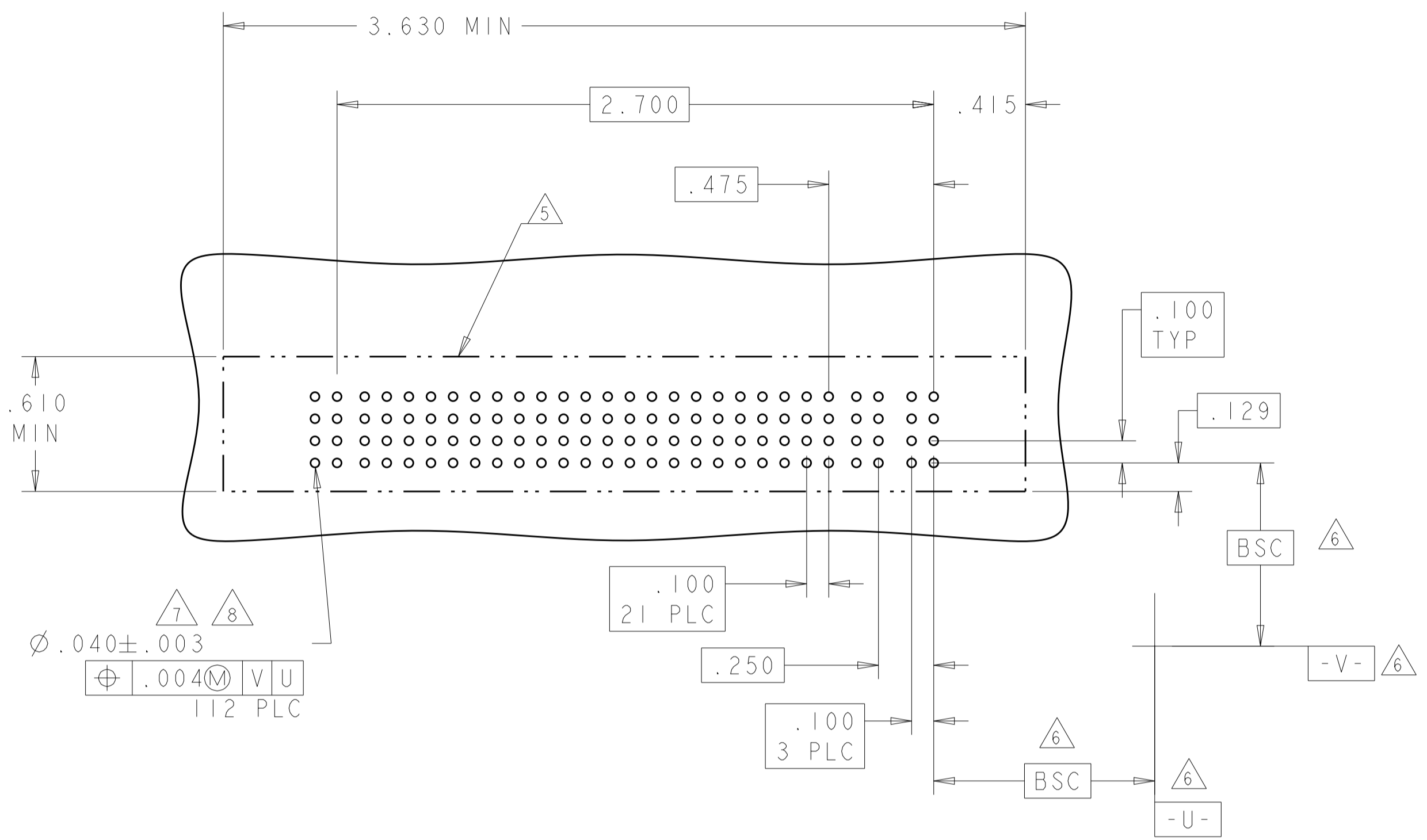
THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R. GRZYBOWSKI 02MAY05  
 CHK: M. PERCHERKE 02MAY05  
 APVD: M. PERCHERKE

|   |  |
|---|--|
| DIMENSIONS:   | TOLERANCES UNLESS OTHERWISE SPECIFIED: |
|   | INCHES                                 |
|  | 0 PLC ± .01                            |
|   | 1 PLC ± .01                            |
|   | 2 PLC ± .01                            |
|   | 3 PLC ± .005                           |
|   | 4 PLC ± .002                           |
| ANGLES  | ± .020                                 |
| MATERIAL  | FINISH                                 |

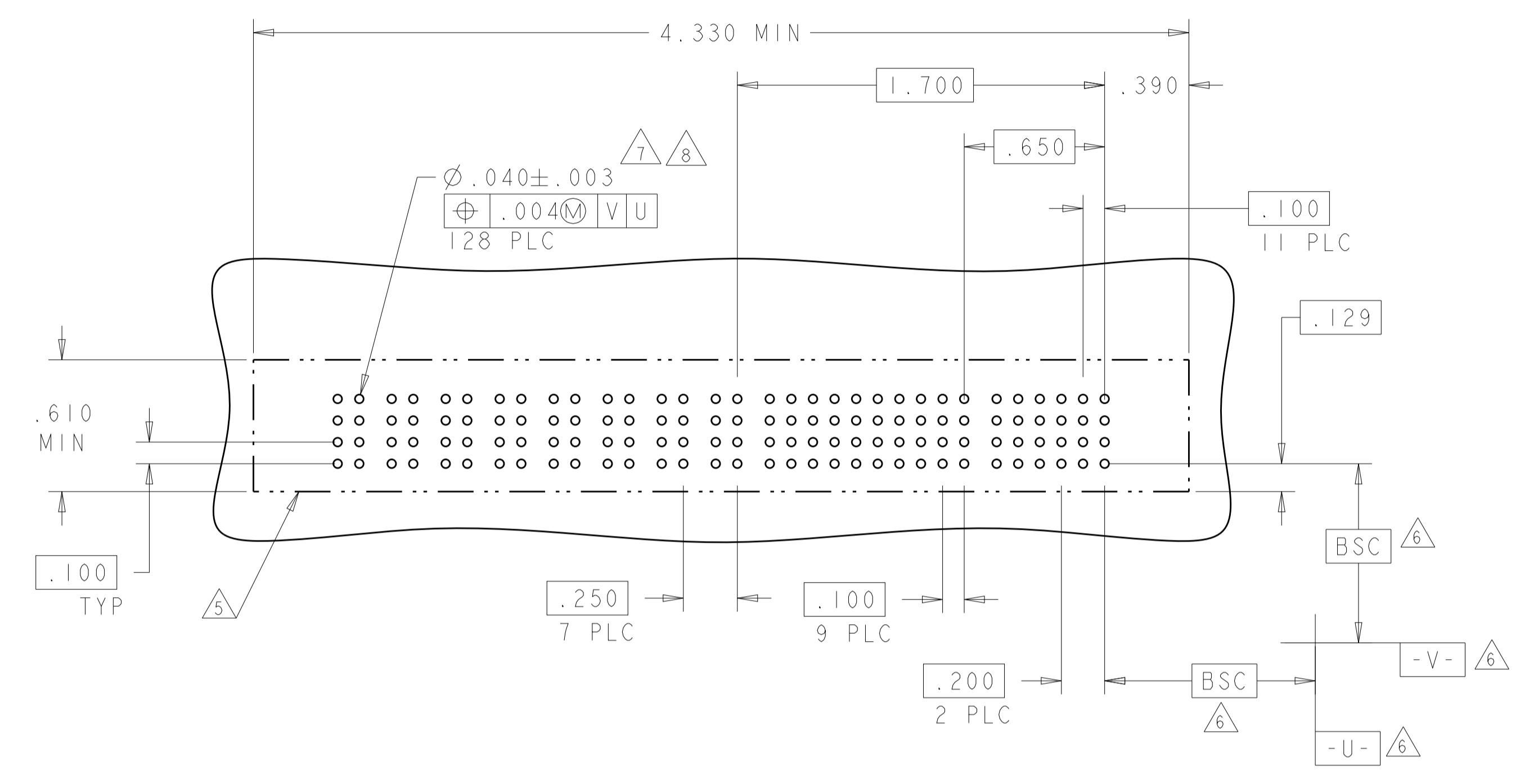
NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL  
 PRODUCT SPEC: 108-1973  
 APPLICATION SPEC: 114-13038  
 WEIGHT: 114-13038  
 CUSTOMER DRAWING: A100779 C=6450550  
 SCALE: 4:1 SHEET 3 OF 23 REV: U3

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

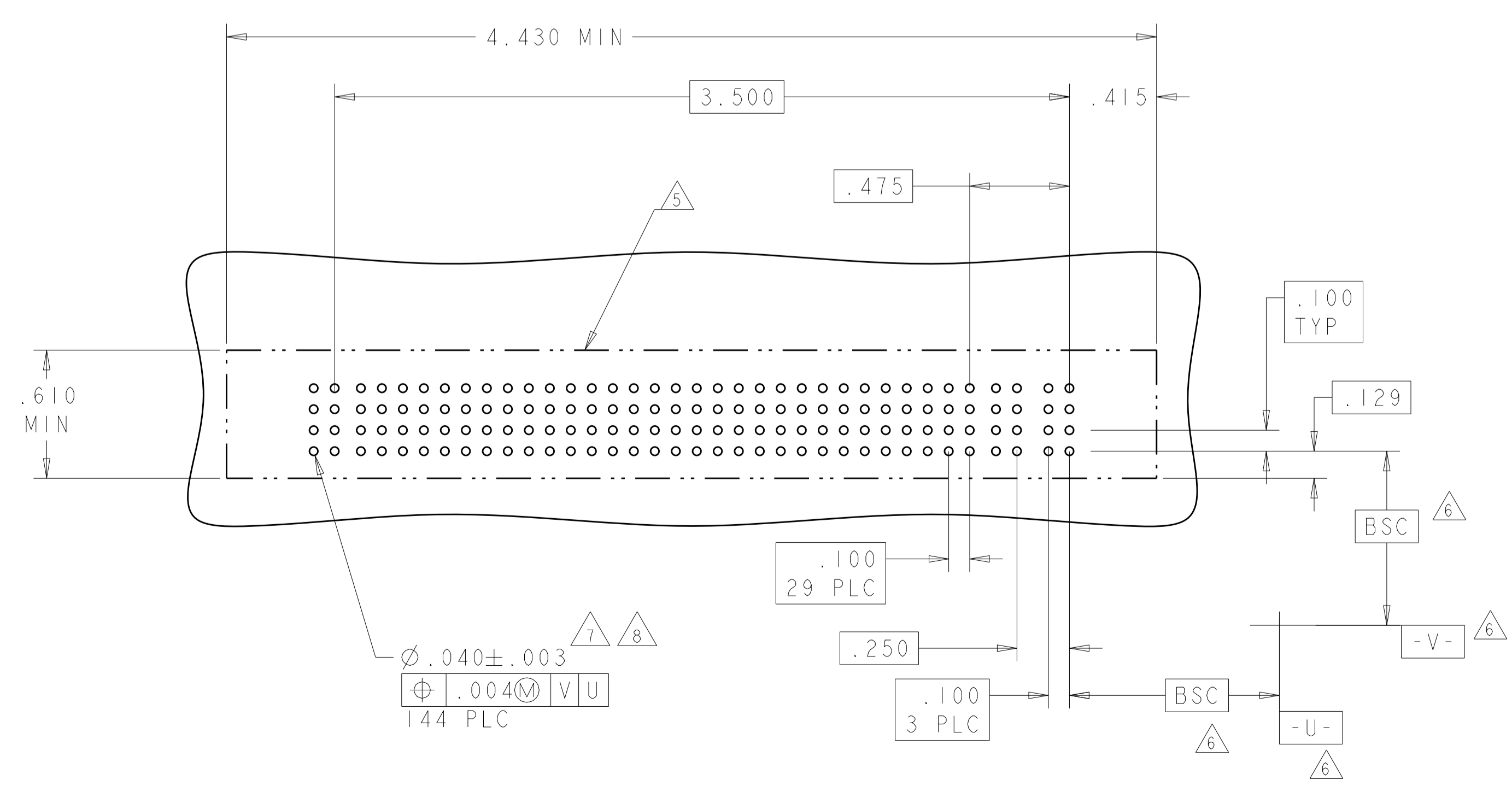
| PART NUMBER  | ROWS             | SIGNAL |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | POWER (R) |    |    |    |    |    |    |
|--------------|------------------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|
|              |                  | P3     | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3         | 2  | 1  | P2 | P1 |    |    |
| 6450550-5    | D<br>C<br>B<br>A | GP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP        | AP | AP | AP | GS | GP |    |
|              |                  | GP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP        | AP | AP | AP | GS | GP |    |
|              |                  | GP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP        | AP | AP | AP | AP | GS | GP |
| 2P + 8S + 1P |                  |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |           |    |    |    |    |    |    |



| PART NUMBER   | ROWS             | POWER |     |    |    |    |    |    |    | SIGNAL |    |    |    |    |    |    |    |    |    |    | POWER |    |    |    |    |    |    |    |
|---------------|------------------|-------|-----|----|----|----|----|----|----|--------|----|----|----|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|
|               |                  | P11   | P10 | P9 | P8 | P7 | P6 | P5 | P4 | 10     | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P3 | P2    | P1 |    |    |    |    |    |    |
| 6450550-7     | D<br>C<br>B<br>A | GS    | GS  | GP | GP | GS | GS | GP | GP | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | GS | GP | GS |
|               |                  | GS    | GS  | GP | GP | GS | GS | GP | GP | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | GS | GP | GS |
|               |                  | GS    | GS  | GP | GP | GS | GS | GP | GP | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | GS | GP | GS |
| 3P + 40S + 8P |                  |       |     |    |    |    |    |    |    |        |    |    |    |    |    |    |    |    |    |    |       |    |    |    |    |    |    |    |



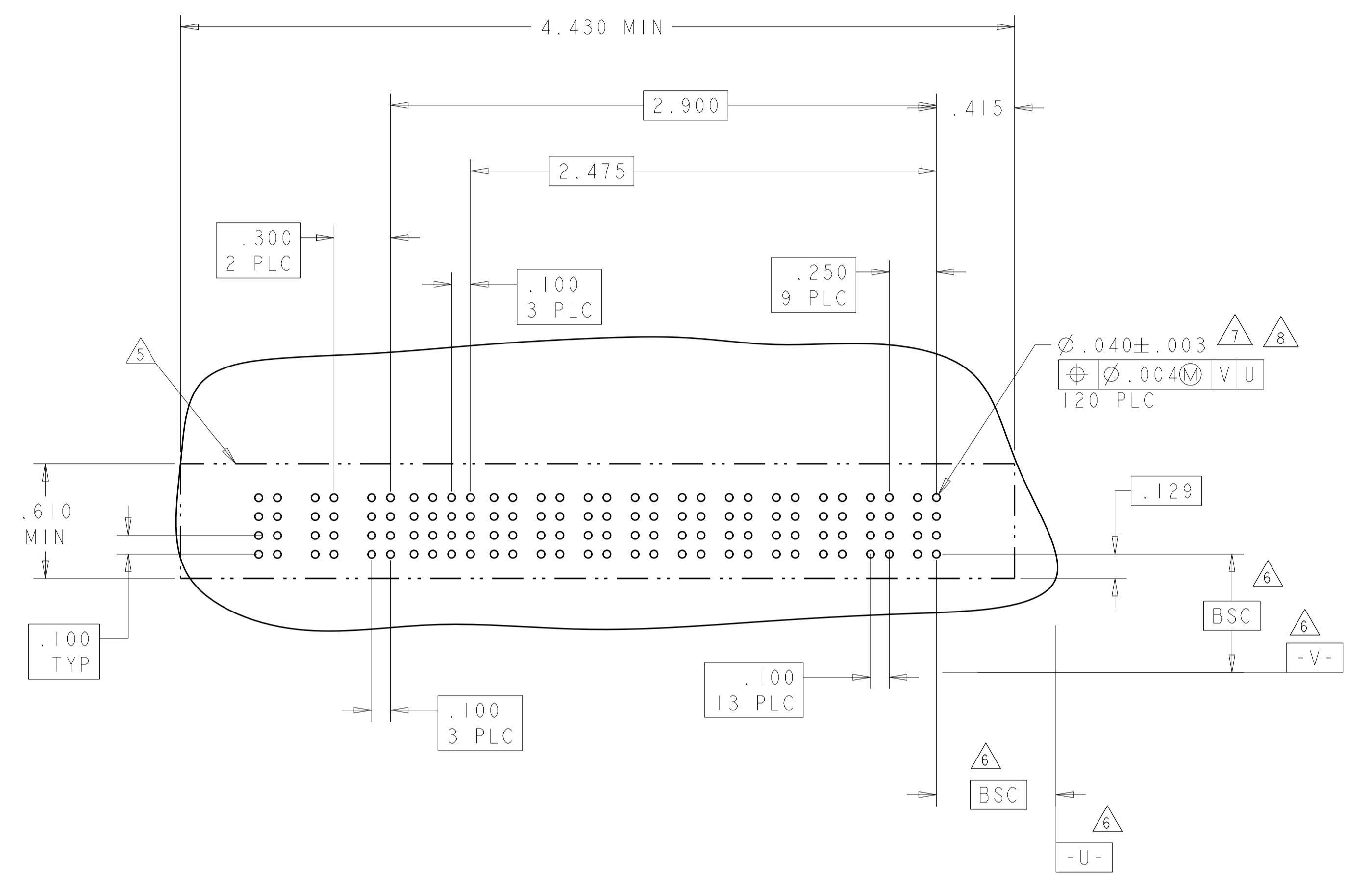
| PART NUMBER    | ROWS             | SIGNAL |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | POWER (R) |    |    |    |    |    |    |
|----------------|------------------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|
|                |                  | P3     | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3         | 2  | 1  | P2 | P1 |    |    |
| 6450550-6      | D<br>C<br>B<br>A | GP     | 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 | GS | GP |
|                |                  | GP     | 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 | GS | GP |
|                |                  | GP     | 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 | GS | GP |
| 2P + 120S + 1P |                  |        |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |           |    |    |    |    |    |    |



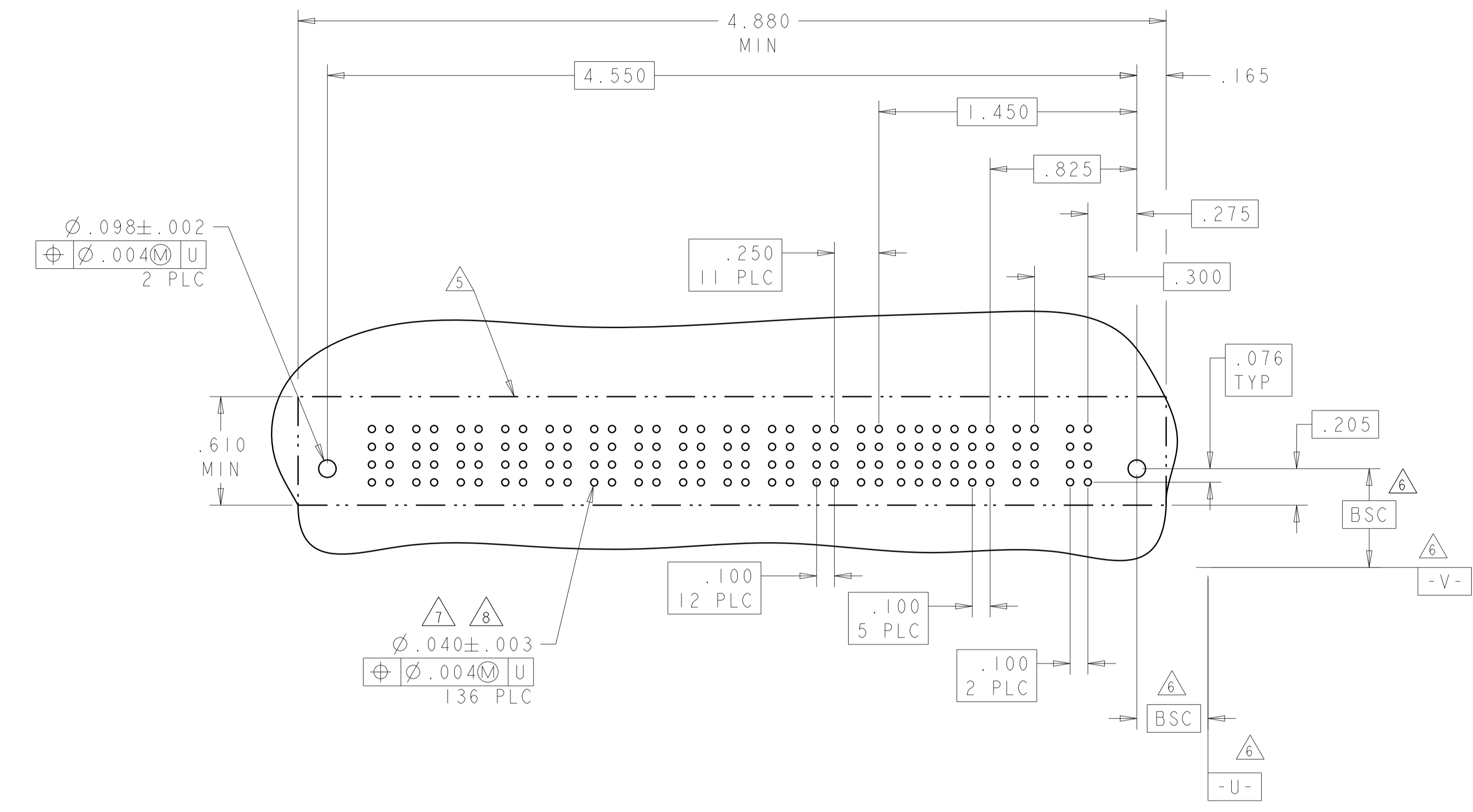
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| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN: R. GRZYBOWSKI 02MAY05  | <b>STE</b> TE Connectivity                                    |
| DIMENSIONS: INCHES                     |  | CHK: M. PERCHERKE 02MAY05   |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD: M. PERCHERKE          | NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |
| 0 PLC ±.01                             |  | PRODUCT SPEC: 108-1973      | SIZE: A1  |
| 1 PLC ±.01                             |  | APPLICATION SPEC: 114-13038 | CAGE CODE: 6450550  |
| 2 PLC ±.01                             |  | WEIGHT: -                   | SCALE: 4:1  |
| 3 PLC ±.005                            |  | FINISH: -                   | SHEET: 4 OF 23  |
| 4 PLC ±.002                            |  | CUSTOMER DRAWING            | REV: U3   |
| ANGLES ±.0020                          |  |                             |   |

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

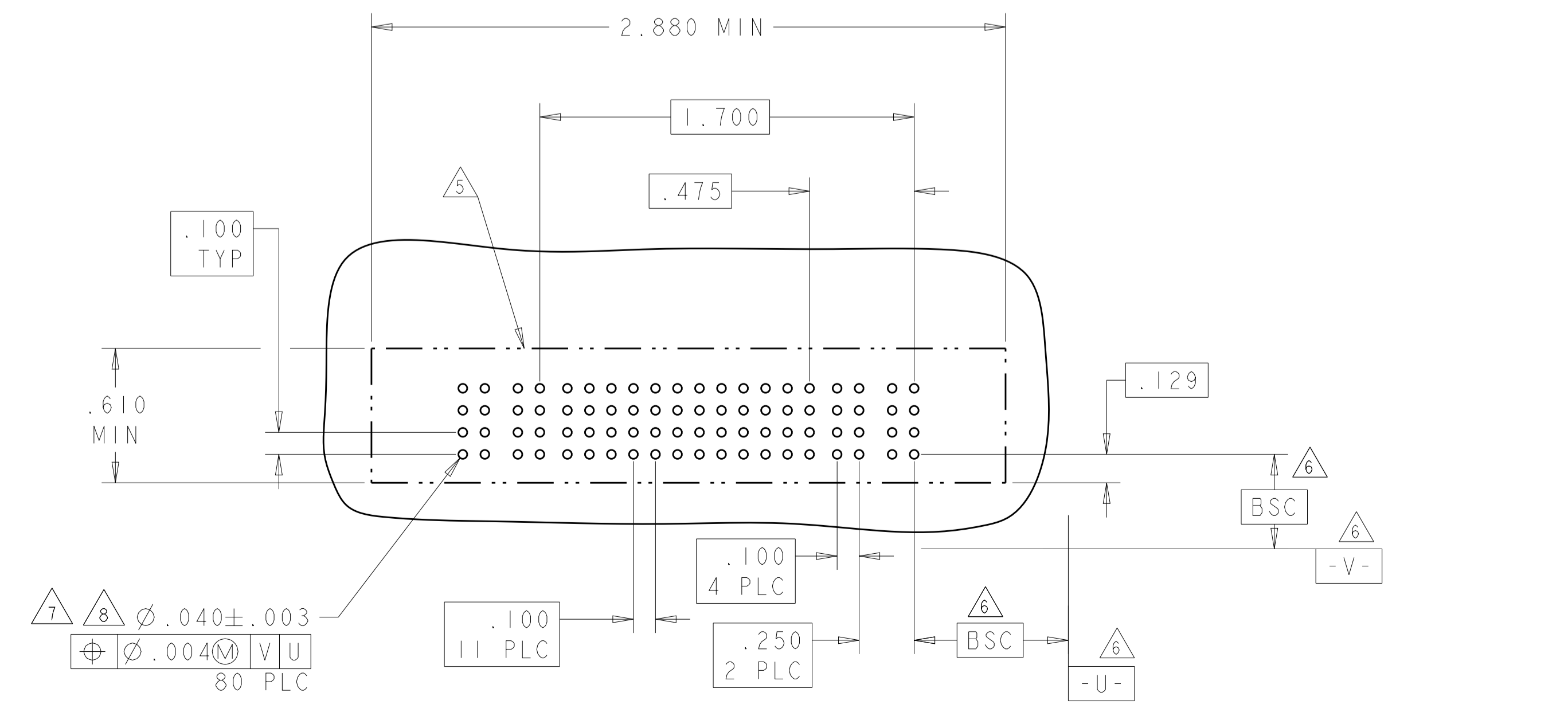
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|------------------|------------------|-------|-----|-----|--------|----|----|----|-------|----|----|----|----|----|----|----|----|----|
|                  |                  | P13   | P12 | P11 | 4      | 3  | 2  | 1  | P10   | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 |
| 6450550-8        | D<br>C<br>B<br>A | GS    | GS  | GP  | AP     | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | AP | AP | AP |
| 10P + 16S + 3ACP |                  |       |     |     |        |    |    |    |       |    |    |    |    |    |    |    |    |    |



| PART NUMBER      | ROWS             | POWER (L) |     |     |     |     |    |    |    |    |    | SIGNAL |    |    |    | POWER (R) |    |    |    |    |    |
|------------------|------------------|-----------|-----|-----|-----|-----|----|----|----|----|----|--------|----|----|----|-----------|----|----|----|----|----|
|                  |                  | P14       | P13 | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | P4     | P3 | 6  | 5  | 4         | 3  | 2  | 1  | P2 | P1 |
| 1-6450550-1      | D<br>C<br>B<br>A | GS        | GS  | GS  | GS  | GS  | GS | GS | GS | GS | GS | GS     | GS | GS | GS | GS        | GS | GS | GS | GS | GS |
| 2ACP + 24S + 12P |                  |           |     |     |     |     |    |    |    |    |    |        |    |    |    |           |    |    |    |    |    |



| PART NUMBER   | ROWS             | POWER |    | SIGNAL |    |    |    |    |    |    |    |    |    | POWER |    |    |    |    |
|---------------|------------------|-------|----|--------|----|----|----|----|----|----|----|----|----|-------|----|----|----|----|
|               |                  | P4    | P3 | 12     | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2     | 1  | P2 | P1 |    |
| 1-6450550-0   | D<br>C<br>B<br>A | GS    | GP | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP |
| 2P + 48S + 2P |                  |       |    |        |    |    |    |    |    |    |    |    |    |       |    |    |    |    |



THIS DRAWING IS A CONTROLLED DOCUMENT.

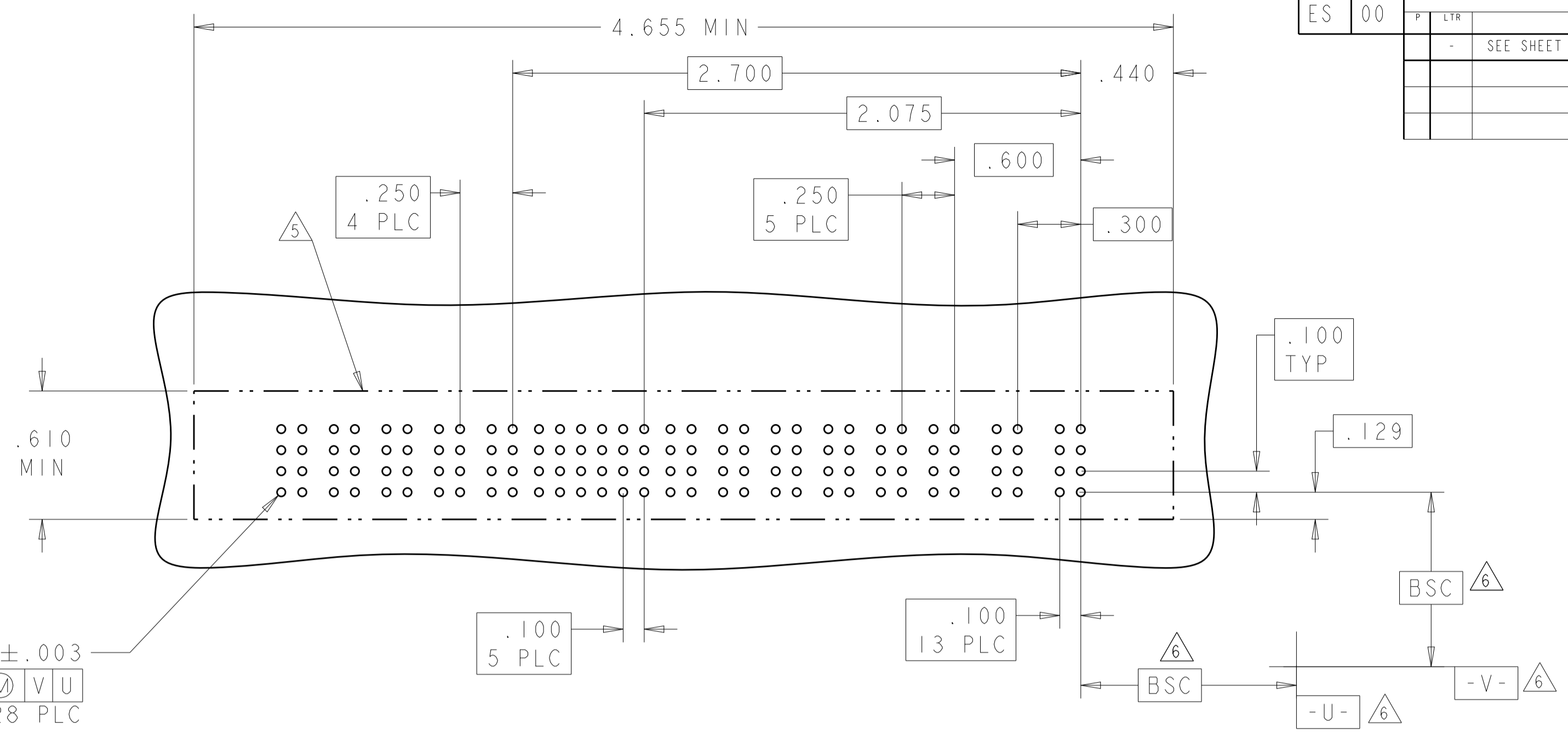
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|-----------------------|--|---|--|
| DIMENSIONS:<br>INCHES | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.01<br>4 PLC ±.005<br>ANGLES ±.0020 | OWN: R. GRZYBOWSKI 02MAY05<br>CHK: M. PERCHERKE 02MAY05<br>APVD: M. PERCHERKE<br>PRODUCT SPEC: 108-1973<br>APPLICATION SPEC: 114-13038<br>WEIGHT: -<br>CUSTOMER DRAWING | NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL<br>SIZE: A1<br>CAGE CODE: 100779<br>DRAWING NO: 6450550<br>SCALE: 4:1<br>SHEET: 5 OF 23<br>REV: U3 |
|-----------------------|--|---|--|

4805 (3/11)

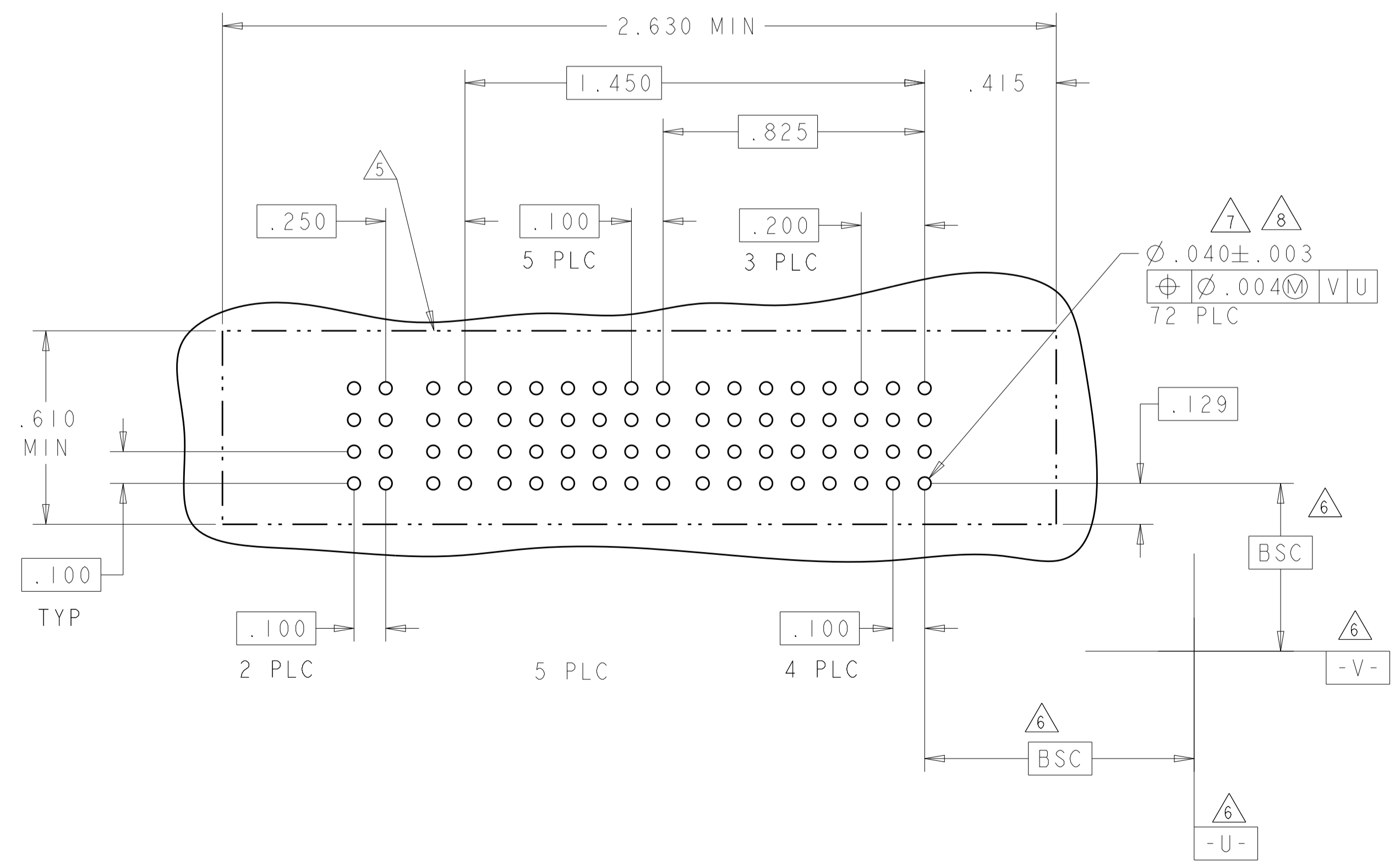


| LOC | DIST | REV | DATE | BY | APPD |
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| ES  | 00   |     |      |    |      |

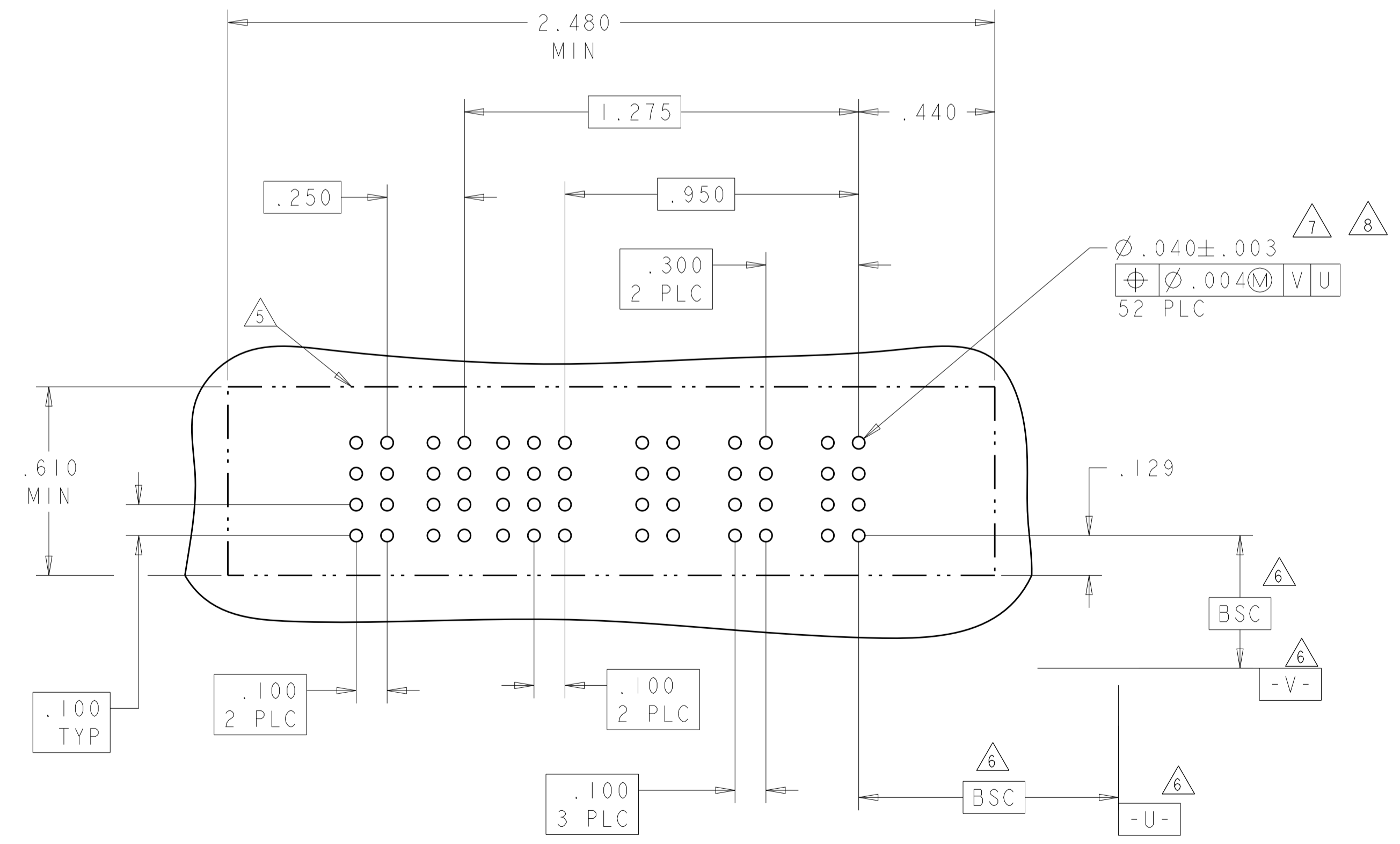
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|----------------------|------------------|-------|-----|-----|-----|----|--------|----|----|----|----|-------|----|----|----|----|----|----|----|----|
|                      |                  | P13   | P12 | P11 | P10 | P9 | 6      | 5  | 4  | 3  | 2  | 1     | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 |
| 1-6450550-8          | D<br>C<br>B<br>A | GP    | GS  | GS  | GS  | GS | AP     | AP | AP | AP | AP | AP    | GS | GS | GS | GS | GP | GP | GS | GS |
|                      |                  | GP    | GS  | GS  | GS  | GS | AP     | AP | AP | AP | AP | AP    | GS | GS | GS | GS | GP | GP | GS | GS |
|                      |                  | GP    | GS  | GS  | GS  | GS | AP     | AP | AP | AP | AP | AP    | GS | GS | GS | GS | GP | GP | GS | GS |
|                      |                  | GP    | GS  | GS  | GS  | GS | AP     | AP | AP | AP | AP | AP    | GS | GS | GS | GS | GP | GP | GS | GS |
| 2ACP + 6P + 24S + 5P |                  |       |     |     |     |    |        |    |    |    |    |       |    |    |    |    |    |    |    |    |



| PART NUMBER   | ROWS             | POWER |    | SIGNAL |    |    |    |    | POWER |    |    |    |    |
|---------------|------------------|-------|----|--------|----|----|----|----|-------|----|----|----|----|
|               |                  | P6    | P5 | 6      | 5  | 4  | 3  | 2  | 1     | P4 | P3 | P2 | P1 |
| 1-6450550-9   | D<br>C<br>B<br>A | GP    | GS | AP     | AP | AP | AP | AP | AP    | GS | GP | GP | GS |
|               |                  | GP    | GS | AP     | AP | AP | AP | AP | AP    | GS | GP | GP | GS |
|               |                  | GP    | GS | AP     | AP | AP | AP | AP | AP    | GS | GP | GP | GS |
|               |                  | GP    | GS | AP     | AP | AP | AP | AP | AP    | GS | GP | GP | GS |
| 4P + 24S + 2P |                  |       |    |        |    |    |    |    |       |    |    |    |    |



| PART NUMBER     | ROWS             | POWER |    | SIGNAL |    |    |   | POWER |    |    |
|-----------------|------------------|-------|----|--------|----|----|---|-------|----|----|
|                 |                  | P5    | P4 | 4      | 3  | 2  | 1 | P3    | P2 | P1 |
| 2-6450550-4     | D<br>C<br>B<br>A | GS    | GS | AP     | AP | AP |   | GP    | GS | GS |
|                 |                  | GS    | GS | AP     | AP | AP |   | GP    | GS | GS |
|                 |                  | GS    | GS | AP     | AP | AP |   | GP    | GS | GS |
|                 |                  | GS    | GS | AP     | AP | AP |   | GP    | GS | GS |
| 3ACP + 16S + 2P |                  |       |    |        |    |    |   |       |    |    |



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: R. GRZYBOWSKI 02MAY05  
 CHK: M. PERCHERKE 02MAY05  
 APVD: M. PERCHERKE

TE Connectivity

NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL

PRODUCT SPEC: 108-1973  
 APPLICATION SPEC: 114-13038

SIZE: A1  
 CAGE CODE: 6450550  
 DRAWING NO: 100779

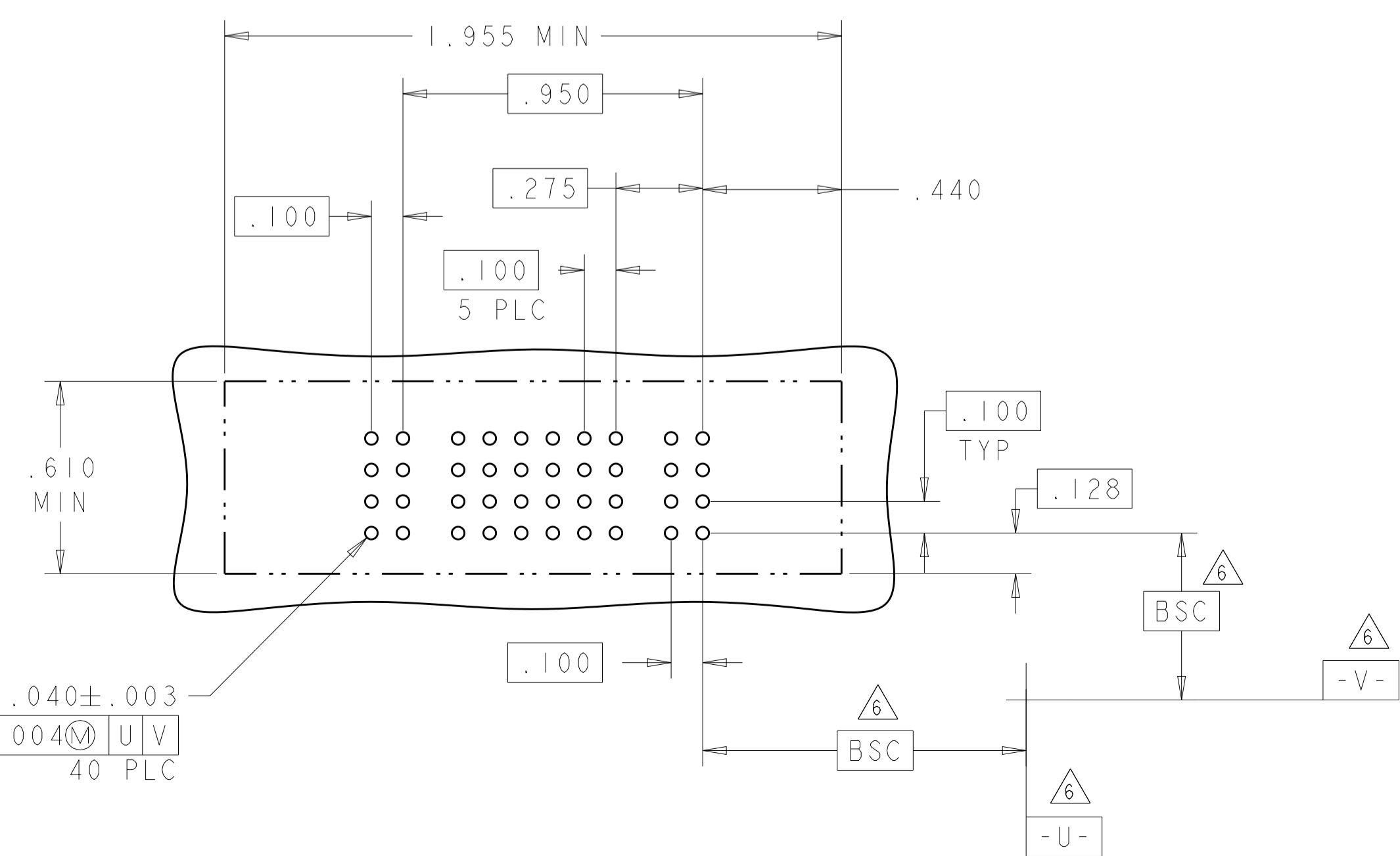
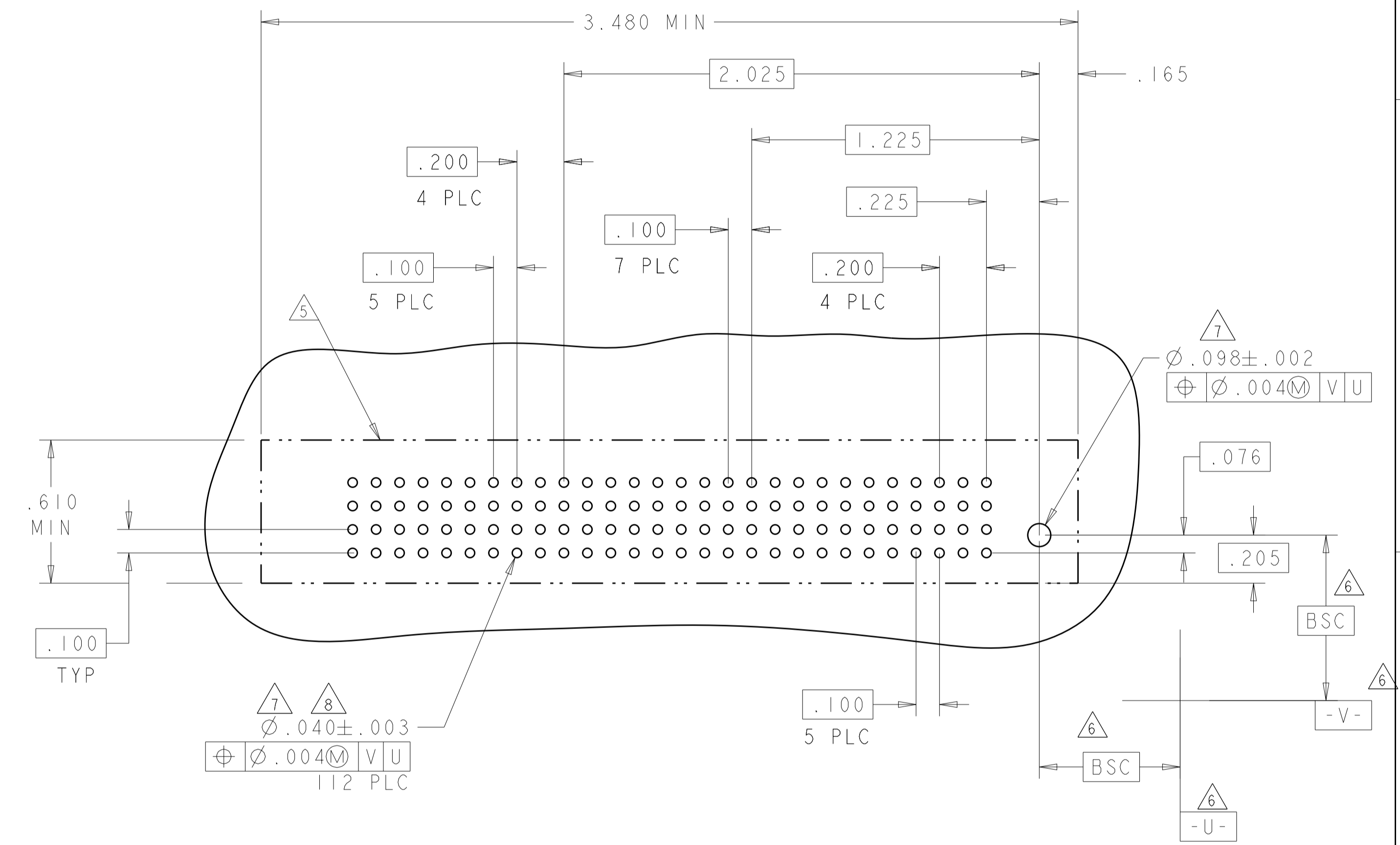
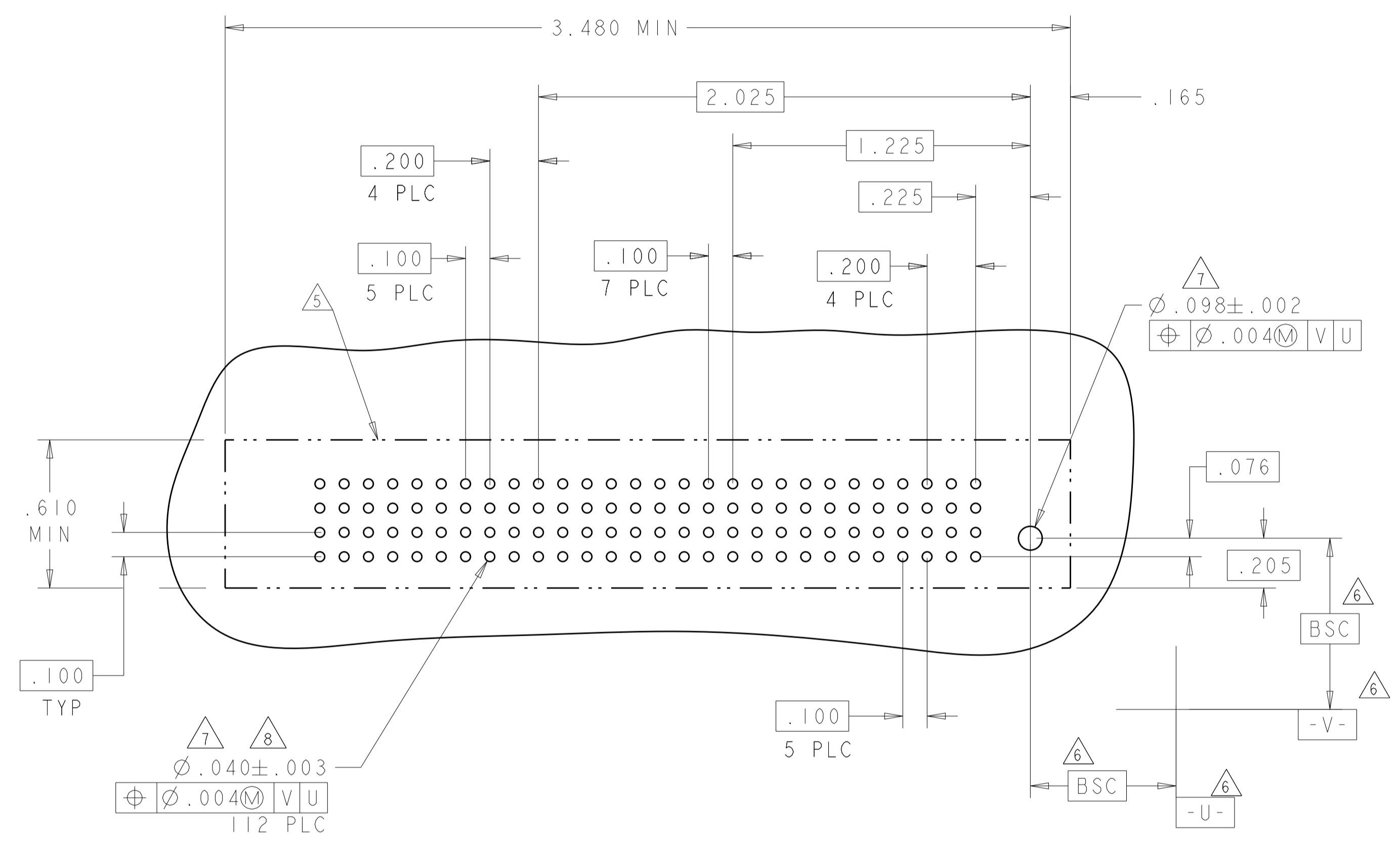
RESTRICTED TO: U3

SCALE: 4:1  
 SHEET: 7 OF 23  
 REV: U3

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

| PART NUMBER   | ROWS | POWER |    |    |    |    | SIGNAL |    |    |    |    |    |    |    | POWER |    |    |    |    |  |
|---------------|------|-------|----|----|----|----|--------|----|----|----|----|----|----|----|-------|----|----|----|----|--|
|               |      | P10   | P9 | P8 | P7 | P6 | 8      | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P5    | P4 | P3 | P2 | P1 |  |
| 2-6450550-8   | DCBA | HP    | HS | HP | HS | HP | BP     | BP | BP | BP | BP | BP | BP | BP | HS    | HP | HS | HP | HS |  |
|               |      | BP    | BP | BP | BP | BP | BP     | BP | BP |    |    |    |    |    |       |    |    |    |    |  |
|               |      | BP    | BP | BP | BP | BP | BP     | BP | BP |    |    |    |    |    |       |    |    |    |    |  |
| 5P + 32S + 5P |      | HD    |    |    |    |    |        |    |    |    |    |    |    |    |       |    |    |    |    |  |

| PART NUMBER   | ROWS | POWER |    |    |    |    | SIGNAL |    |    |    |    |    |    |    | POWER |    |    |    |    |  |
|---------------|------|-------|----|----|----|----|--------|----|----|----|----|----|----|----|-------|----|----|----|----|--|
|               |      | P10   | P9 | P8 | P7 | P6 | 8      | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P5    | P4 | P3 | P2 | P1 |  |
| 3-6450550-5   | DCBA | HP    | HS | HP | HS | HP | BP     | BP | BP | BP | BP | BP | BP | BP | HS    | HP | HS | HP | HS |  |
|               |      | BP    | BP | BP | BP | BP | BP     | BP | BP |    |    |    |    |    |       |    |    |    |    |  |
|               |      | BP    | BP | BP | BP | BP | BP     | BP | BP |    |    |    |    |    |       |    |    |    |    |  |
| 5P + 32S + 5P |      | HD    |    |    |    |    |        |    |    |    |    |    |    |    |       |    |    |    |    |  |



| PART NUMBER   | ROWS | POWER (L) |    | SIGNAL |    |    |    |    |    | POWER (R) |    |    |    |
|---------------|------|-----------|----|--------|----|----|----|----|----|-----------|----|----|----|
|               |      | P2        | P1 | 6      | 5  | 4  | 3  | 2  | 1  | P1        | P2 |    |    |
| 1-6450550-7   | DCBA | GS        | GP | AP     | AP | AP | AP | AP | AP | AP        | AP | GP | 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 |           |    |    |    |
| IP + 24S + IP |      |           |    |        |    |    |    |    |    |           |    |    |    |

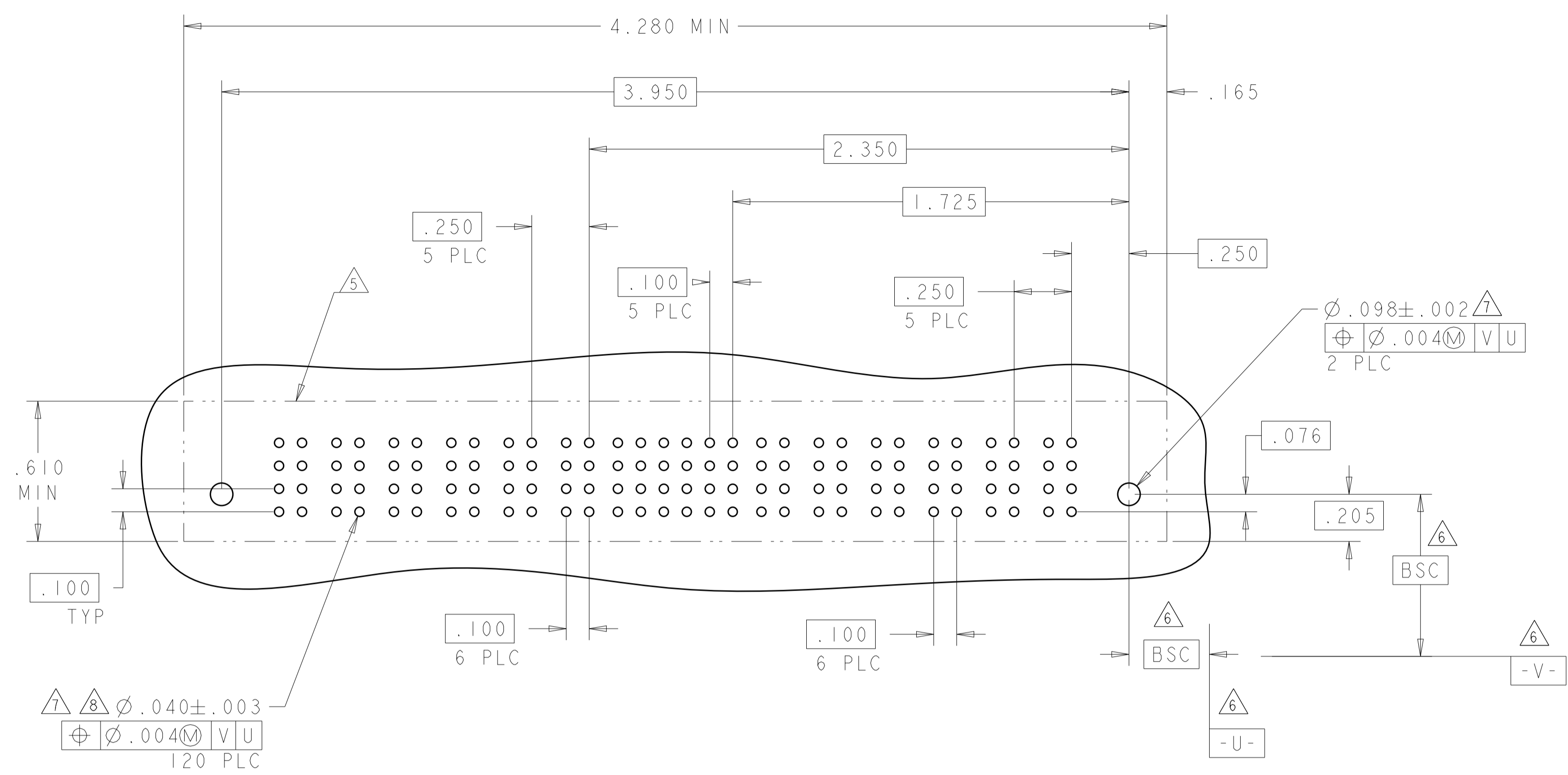
THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R.GRZYBOWSKI 02MAY05  
 CHK: M.PERCHEKKE 02MAY05  
 APV: M.PERCHEKKE  
 NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL

|                    |  |
|--------------------|--|
| DIMENSIONS: 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 ±.0020 |
| MATERIAL           | FINISH   |

APPROVED: A100779C=6450550  
 SCALE: 4:1 SHEET 8 OF 23 REV: U3

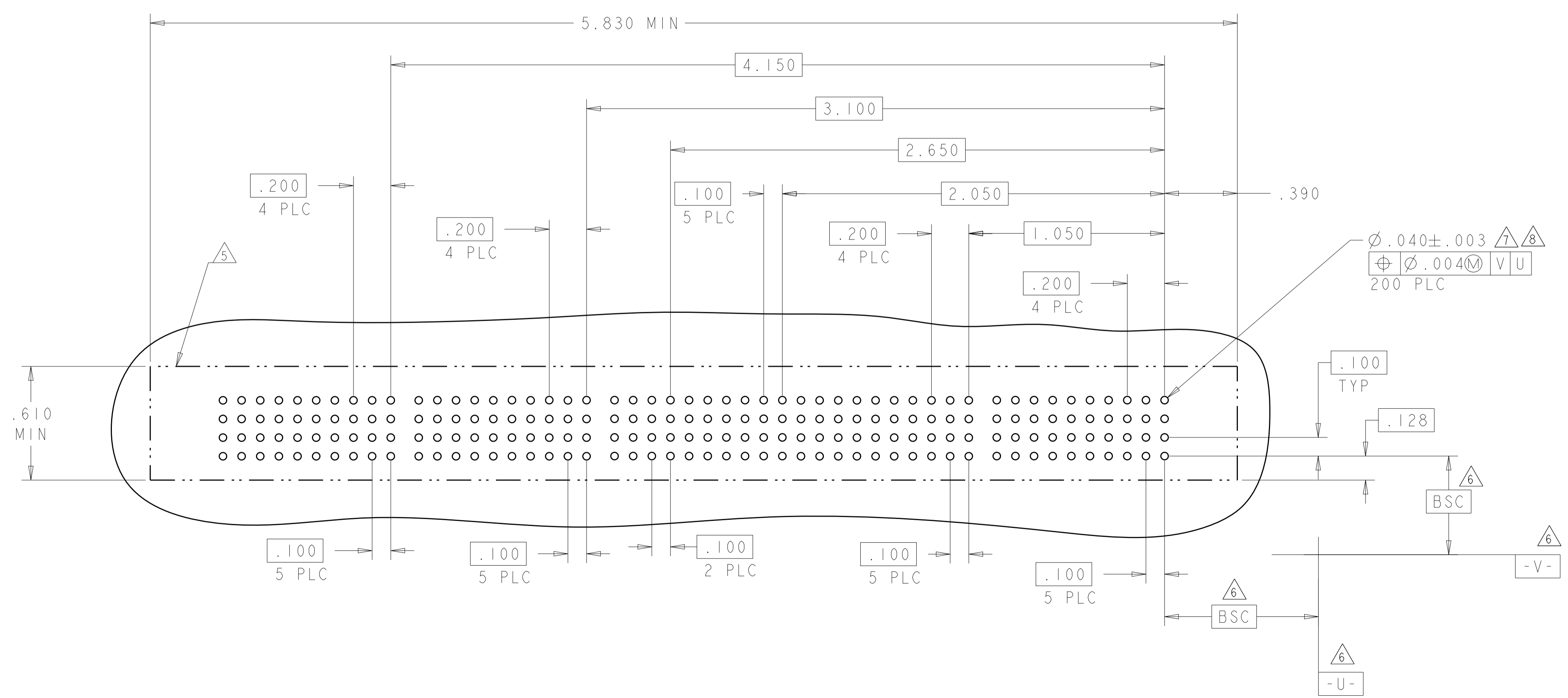


| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
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| ES  | 00   | SEE SHEET 1 |      |     |      |



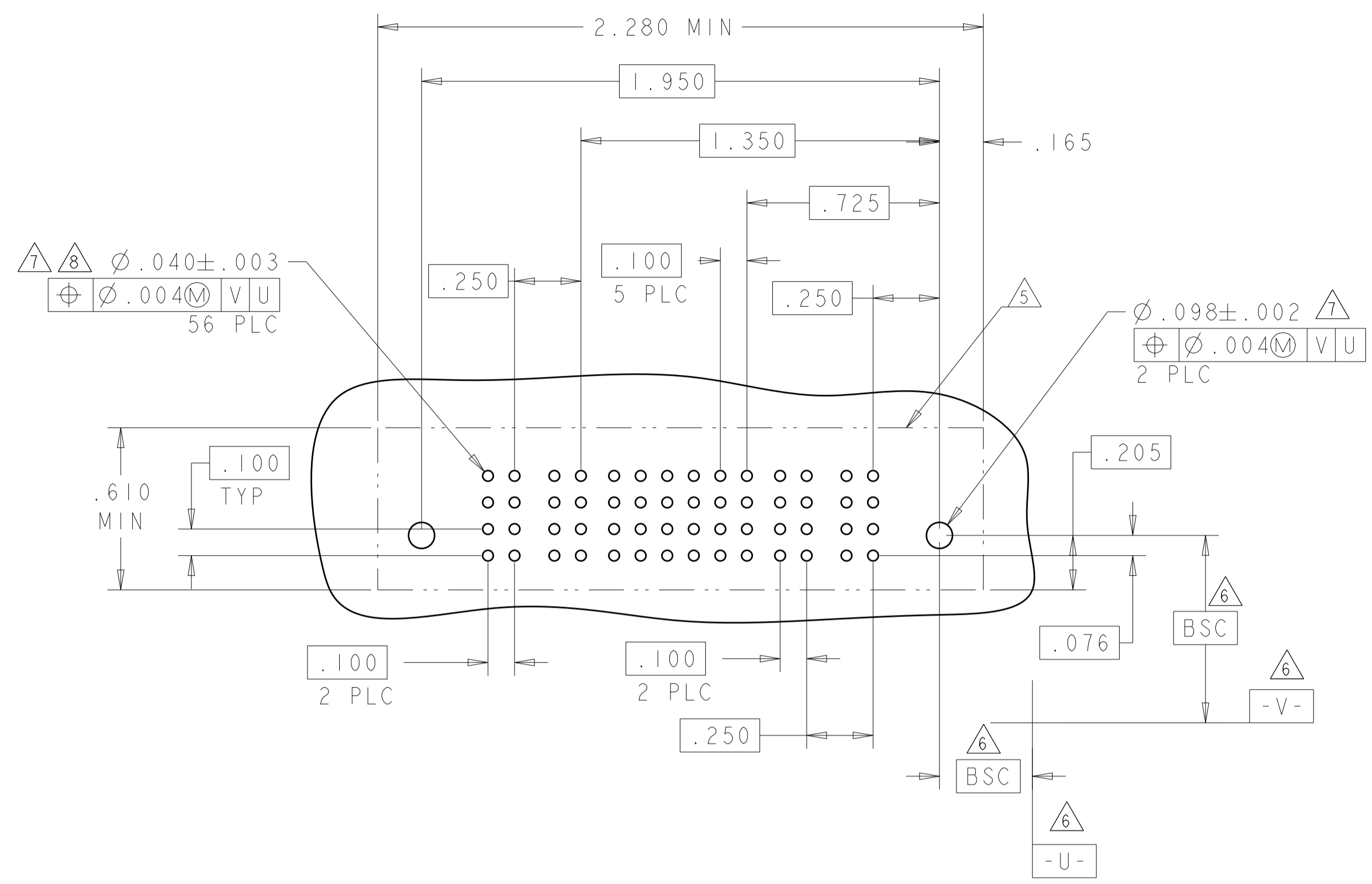
| ASSY PART NUMBER | ROWS             | POWER |     |     |    |    |    | SIGNAL |    |    |    |    |    | POWER |    |    |    |    |    |  |  |  |  |  |  |
|------------------|------------------|-------|-----|-----|----|----|----|--------|----|----|----|----|----|-------|----|----|----|----|----|--|--|--|--|--|--|
|                  |                  | P12   | P11 | P10 | P9 | P8 | P7 | 6      | 5  | 4  | 3  | 2  | 1  | P6    | P5 | P4 | P3 | P2 | P1 |  |  |  |  |  |  |
| 4-6450550-5      | 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 | GS    | GS | GS | GS | GS | GS |  |  |  |  |  |  |
|                  |                  | AP    | AP  | AP  | AP | AP | AP | AP     | AP | AP | AP | AP | AP | GS    | GS | GS | GS | GS | GS |  |  |  |  |  |  |
| 6P + 24S + 6P    |                  |       |     |     |    |    |    |        |    |    |    |    |    |       |    |    |    |    |    |  |  |  |  |  |  |

| PART NUMBER     | ROWS             | POWER |     |     |     |     |     |     |     |     |     |     |     | SIGNAL |    |    |    |    |    | POWER |    |    |    |    |    |    |    |    |    |  |  |
|-----------------|------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|----|----|----|----|----|-------|----|----|----|----|----|----|----|----|----|--|--|
|                 |                  | P22   | P21 | P20 | P19 | P18 | P17 | P16 | P15 | P14 | P13 | P12 | P11 | 6      | 5  | 4  | 3  | 2  | 1  | P10   | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 |  |  |
| 3-6450550-2     | D<br>C<br>B<br>A | HS    | HS  | HS  | HS  | HS  | HS  | HS  | HS  | HP  | HP  | HP  | HP  | BP     | BP | BP | BP | BP | BP | HP    | HP | HP | HP | HP | HP | HS | HS | HP | HS |  |  |
|                 |                  | BP    | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP     | BP | HP | HP | HP | HP | HP    | HP | HP | HP | HS | HS | HP | HS |    |    |  |  |
|                 |                  | BP    | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP     | BP | HP | HP | HP | HP | HP    | HP | HP | HP | HS | HS | HP | HS |    |    |  |  |
|                 |                  | BP    | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP  | BP     | BP | HP | HP | HP | HP | HP    | HP | HP | HP | HS | HS | HP | HS |    |    |  |  |
| 10P + 24S + 12P |                  |       |     |     |     |     |     |     |     |     |     |     |     |        |    |    |    |    |    |       |    |    |    |    |    |    |    |    |    |  |  |



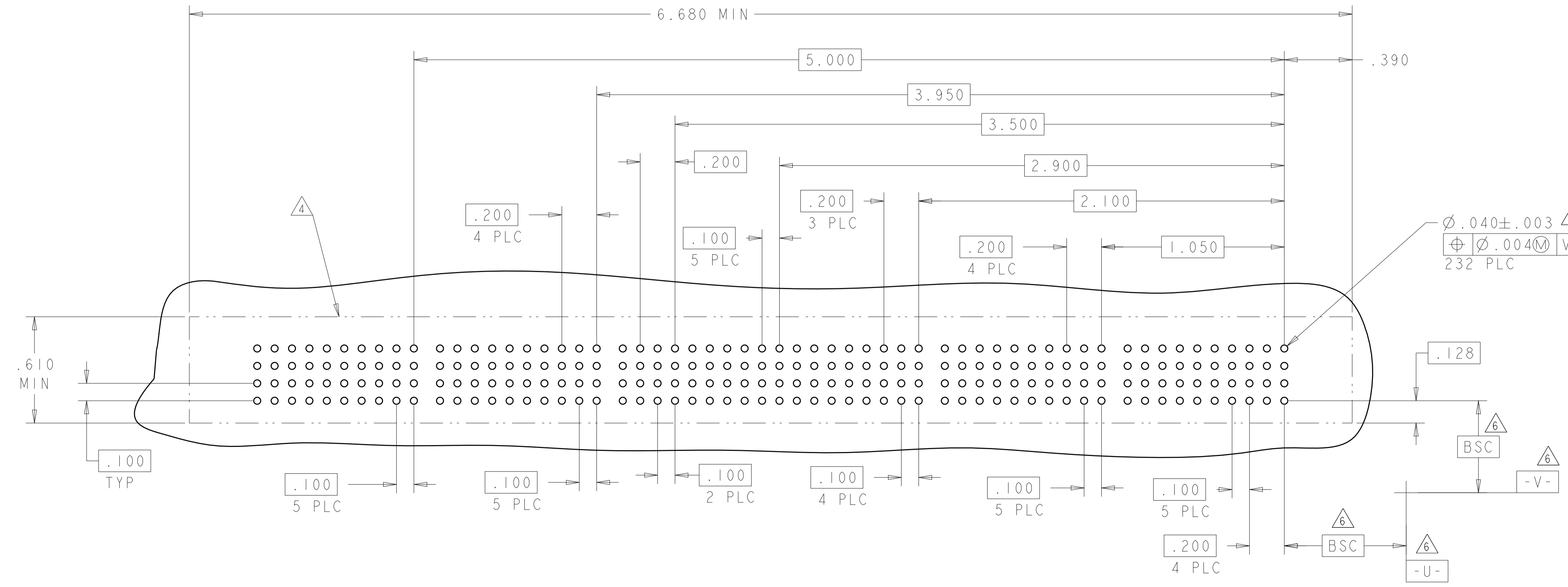
THIS DRAWING IS A CONTROLLED DOCUMENT.

|                          |  |   |   |                  |   |
|--------------------------|--|---|---|------------------|---|
| 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° | DMN: R. GRZYBOWSKI<br>CHK: M. PERCHERKE<br>APVD: M. PERCHERKE | 02MAY05<br>02MAY05  |                  | TE Connectivity                                     |
|                          |  | PRODUCT SPEC: 108-1973<br>APPLICATION SPEC: 114-13038         | NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |                  | SIZE: A1<br>CAGE CODE: 00779<br>DRAWING NO: 6450550 |
| MATERIAL: -<br>FINISH: - |  | WEIGHT: -   |   | CUSTOMER DRAWING |   |
| SCALE: 4:1               |  | SHEET: 9 OF 23  |   | REV: U3          |   |



| ASSY PART NUMBER | ROWS             | POWER |    | SIGNAL |    |    |    |    |    | POWER |    | HD |    |    |    |
|------------------|------------------|-------|----|--------|----|----|----|----|----|-------|----|----|----|----|----|
|                  |                  | P4    | P3 | 6      | 5  | 4  | 3  | 2  | 1  | P2    | P1 |    |    |    |    |
| 5-6450550-0      | D<br>C<br>B<br>A | HD    | ST | PT     | AT | AT | AT | AT | AT | AT    | AT | AT | PT | ST | HD |
|                  |                  |       |    |        | AT | AT | AT | AT | AT | AT    | AT | AT |    |    |    |
|                  |                  |       |    |        | AT | AT | AT | AT | AT | AT    | AT | AT |    |    |    |
|                  |                  |       |    |        | AT | AT | AT | AT | AT | AT    | AT | AT |    |    |    |
| 2P + 24S + 2P    |                  |       |    |        |    |    |    |    |    |       |    |    |    |    |    |

| PART NUMBER     | ROWS             | POWER |     |     |     |     |     |     |     |     |     |     |     | SIGNAL |    |    |    |    |    | POWER |     |     |     |     |    |    |    |    |    |    |    | HD |    |    |    |    |    |
|-----------------|------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|----|----|----|----|----|-------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                 |                  | P26   | P25 | P24 | P23 | P22 | P21 | P20 | P19 | P18 | P17 | P16 | P15 | 6      | 5  | 4  | 3  | 2  | 1  | P14   | P13 | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | P4 | P3 |    | P2 | P1 |    |    |    |
| 4-6450550-9     | D<br>C<br>B<br>A | HD    | GS  | GS  | GS  | GS  | GS  | GS  | GS  | GS  | GS  | GS  | GS  | GP     | GP | GP | AP | AP | AP | AP    | AP  | AP  | AP  | GP  | GP | GP | GP | GP | GP | GP | GS | GS | GS | GS | GP | GP | GS |
|                 |                  |       | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP     | GP | GP | GP | AP | AP | AP    | AP  | AP  | AP  | AP  | GP | GP | GP | GP | GP | GP | GS | GS | GS | GS | GP | GP | GS |
|                 |                  |       | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP     | GP | GP | GP | AP | AP | AP    | AP  | AP  | AP  | AP  | GP | GP | GP | GP | GP | GP | GS | GS | GS | GS | GP | GP | GS |
|                 |                  |       | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP  | AP     | GP | GP | GP | AP | AP | AP    | AP  | AP  | AP  | AP  | GP | GP | GP | GP | GP | GP | GS | GS | GS | GS | GP | GP | GS |
| 14P + 24S + 12P |                  |       |     |     |     |     |     |     |     |     |     |     |     |        |    |    |    |    |    |       |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |

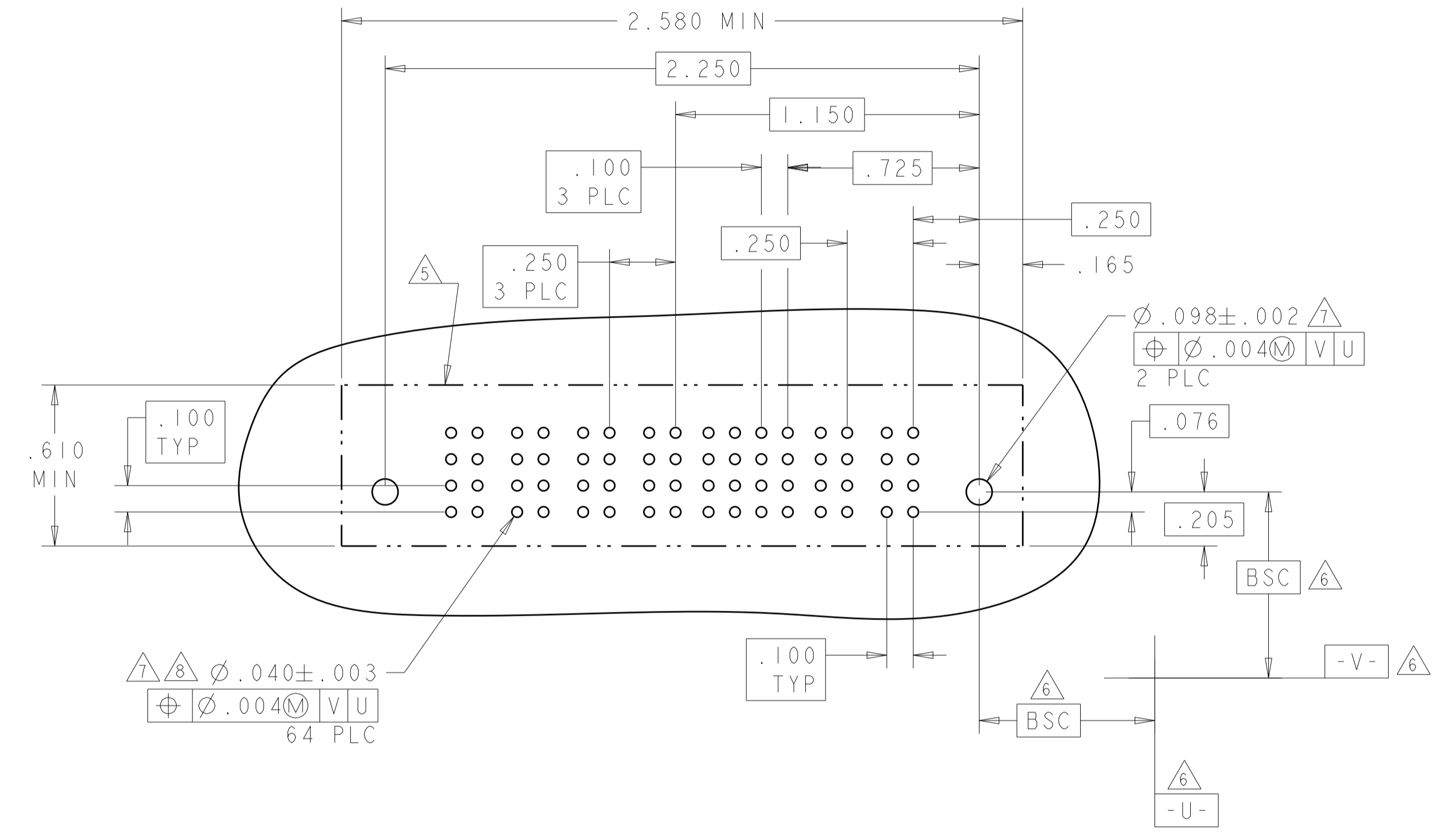
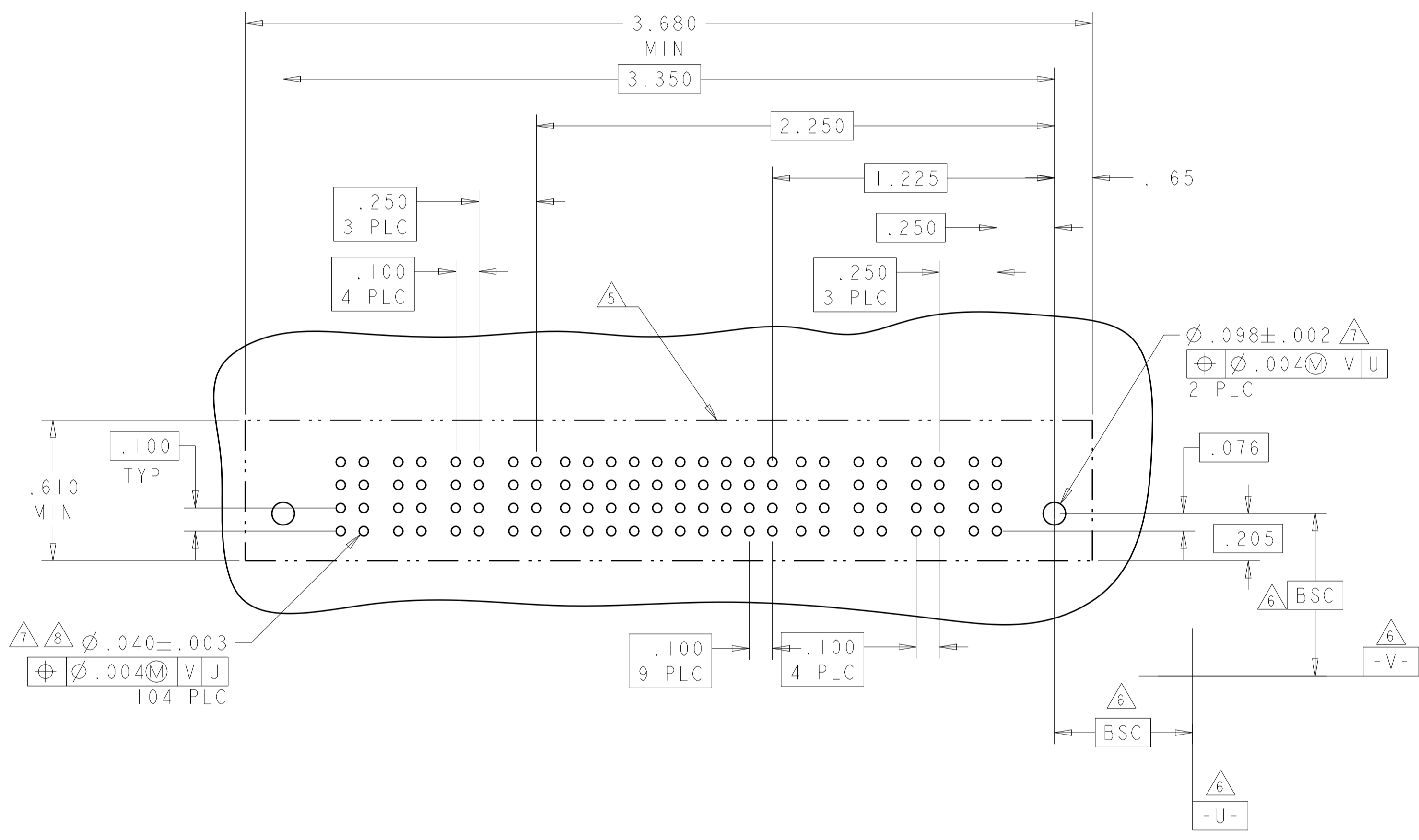


|   |  |                             |         |   |
|---|--|-----------------------------|---------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | OWN: R. GRZYBOWSKI          | 02MAY05 | TE Connectivity   |
| DIMENSIONS: INCHES  |  | CHK: M. PERCHERKE           | 02MAY05 |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.01<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.2° |  | APV: M. PERCHERKE           |         | NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |
| MATERIAL:   |  | PRODUCT SPEC: 108-1973      |         | SIZE: A1  |
|   |  | APPLICATION SPEC: 114-13038 |         | CAGE CODE: 6450550  |
|   |  | WEIGHT:                     |         | SCALE: 4:1  |
|   |  | CUSTOMER DRAWING            |         | SHEET 10 OF 23  |

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

| PART NUMBER   | ROWS             | POWER   |    |    |    | SIGNAL |    |    |    |    |    |    |    | POWER |    |    |    |    |    |    |    |    |
|---------------|------------------|---------|----|----|----|--------|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|----|
|               |                  | P8      | P7 | P6 | P5 | 10     | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2     | 1  | P4 | P3 | P2 | P1 |    |    |    |
| 2-6450550-9   | D<br>C<br>B<br>A | ○<br>HD | GS | GS | GP | GS     | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP |    |    |
|               |                  |         | GS | GS | GP | GS     | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | AP |    |
|               |                  |         | GS | GS | GP | GS     | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | AP | AP |
|               |                  |         | GS | GS | GP | GS     | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | AP | AP |
| 4P + 40S + 4P |                  |         |    |    |    |        |    |    |    |    |    |    |    |       |    |    |    |    |    |    |    |    |

| PART NUMBER   | ROWS             | POWER   |    |    |    | SIGNAL |    |    |    | POWER |    |    |
|---------------|------------------|---------|----|----|----|--------|----|----|----|-------|----|----|
|               |                  | P6      | P5 | P4 | P3 | 4      | 3  | 2  | 1  | P2    | P1 |    |
| 5-6450550-4   | D<br>C<br>B<br>A | ○<br>HD | GS | GS | GP | GP     | AP | AP | AP | AP    | GP | GS |
|               |                  |         | GS | GS | GP | GP     | AP | AP | AP | AP    | GP | GS |
|               |                  |         | GS | GS | GP | GP     | AP | AP | AP | AP    | GP | GS |
|               |                  |         | GS | GS | GP | GP     | AP | AP | AP | AP    | GP | GS |
| 2P + 16S + 4P |                  |         |    |    |    |        |    |    |    |       |    |    |

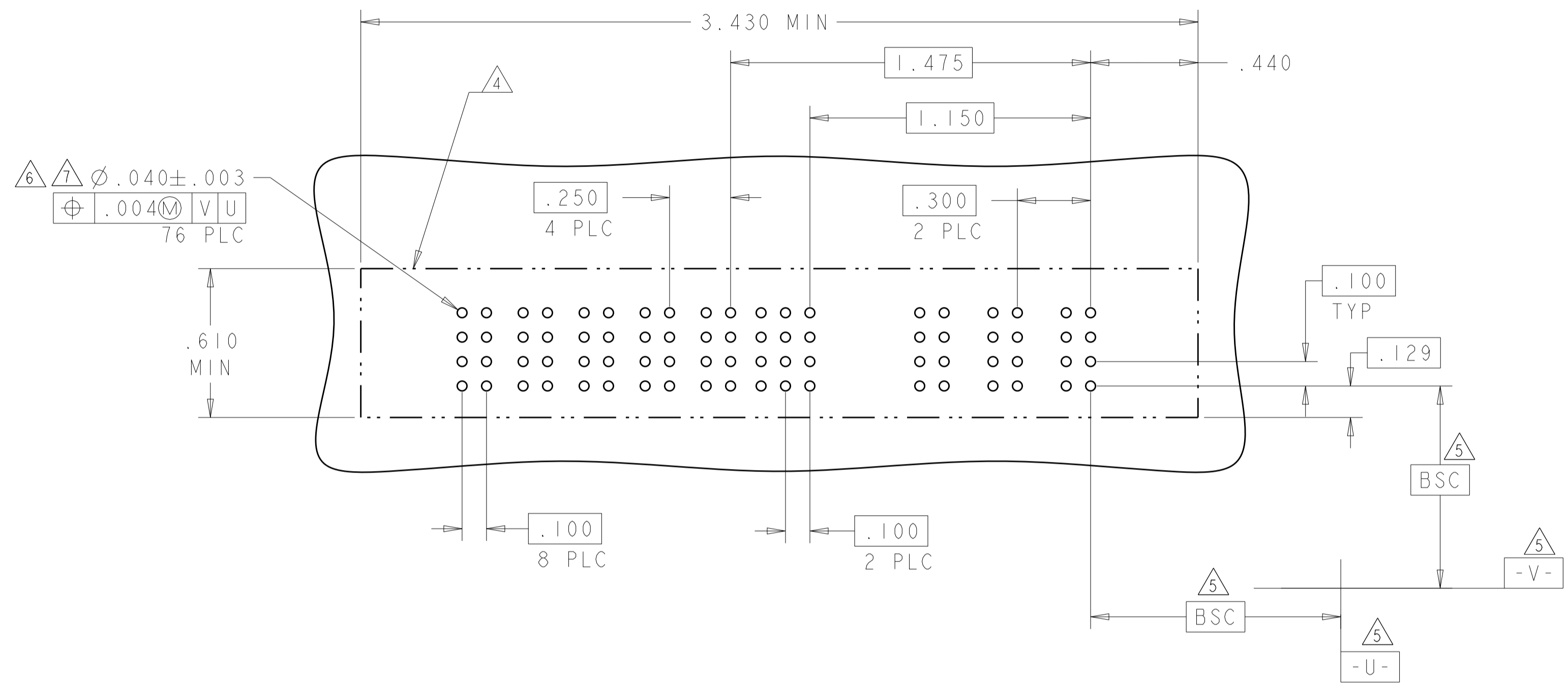


|  |  |                             |   |
|--|--|-----------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | DMN: R. GRZYBOWSKI 02MAY05  | TE Connectivity   |
| DIMENSIONS: INCHES   |  | CHK: M. PERCHERKE 02MAY05   |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:   |  | APVD: M. PERCHERKE          | NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |
| 0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.7° |  | PRODUCT SPEC: 108-1973      | SIZE: A1  |
| MATERIAL: FINISH:  |  | APPLICATION SPEC: 114-13038 | CAGE CODE: 6450550  |
|  |  | WEIGHT:                     | RESTRICTED TO:  |
|  |  | CUSTOMER DRAWING            | SCALE: 4:1 SHEET 11 OF 23 REV: U3                             |

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

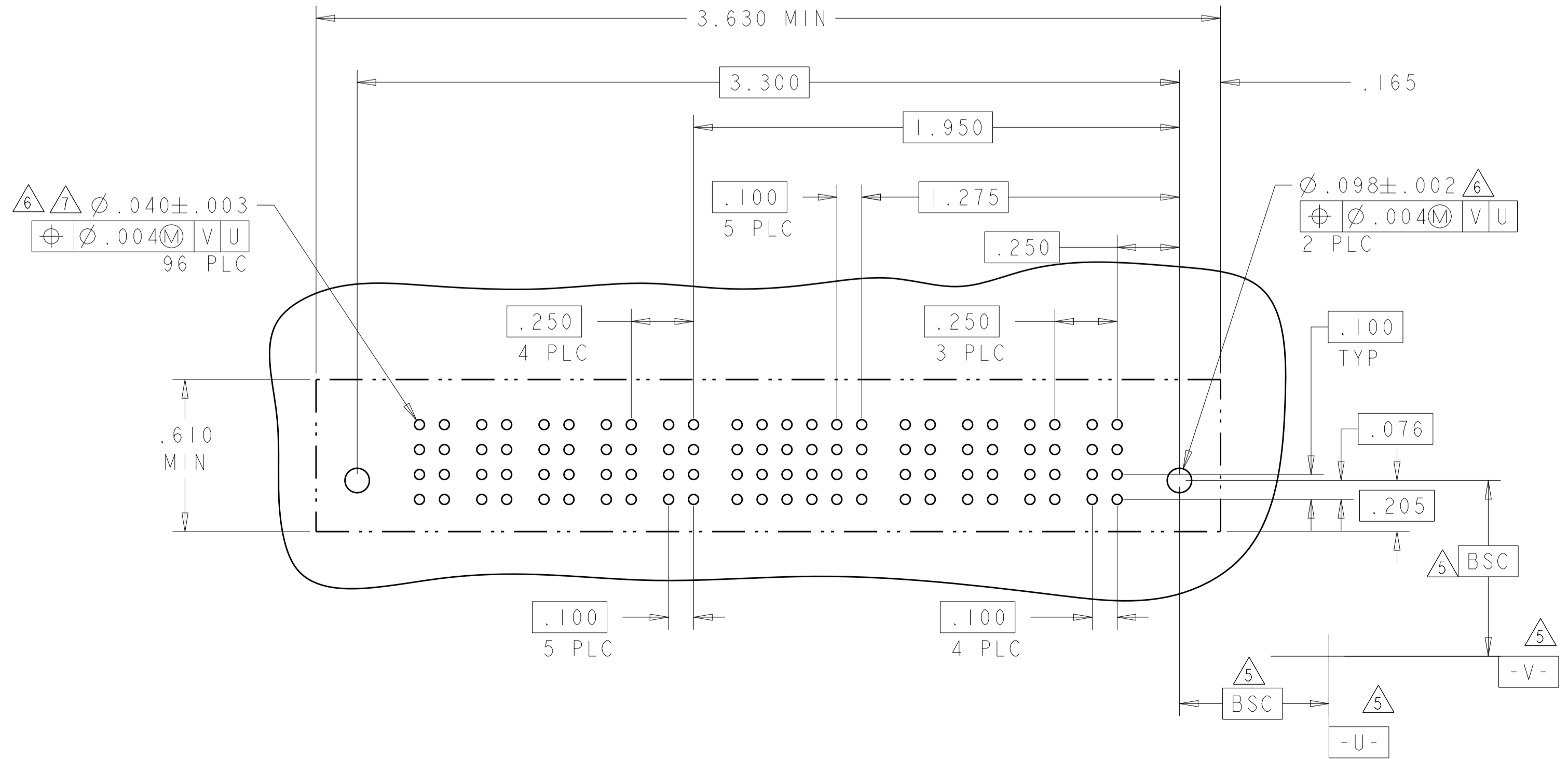
| PART NUMBER     | ROWS | POWER (L) |    |    |    |    | SIGNAL |    |    |    |   | POWER (R) |    |    |    |
|-----------------|------|-----------|----|----|----|----|--------|----|----|----|---|-----------|----|----|----|
|                 |      | P8        | P7 | P6 | P5 | P4 | 6      | 5  | 4  | 3  | 2 | 1         | P3 | P2 | P1 |
| 5-6450550-3     | D    | ○         | GP | GP | GP | GS | GS     | AP | AP | AP |   |           | GP | GS | GS |
|                 | C    |           |    |    |    |    |        | AP | AP | AP |   |           |    |    |    |
|                 | B    |           |    |    |    |    |        | AP | AP | AP |   |           |    |    |    |
|                 | A    |           |    |    |    |    |        | AP | AP | AP |   |           |    |    |    |
| 3ACP + 24S + 5P |      |           |    |    |    |    |        |    |    |    |   |           |    |    |    |

NO CONTACTS LOADED

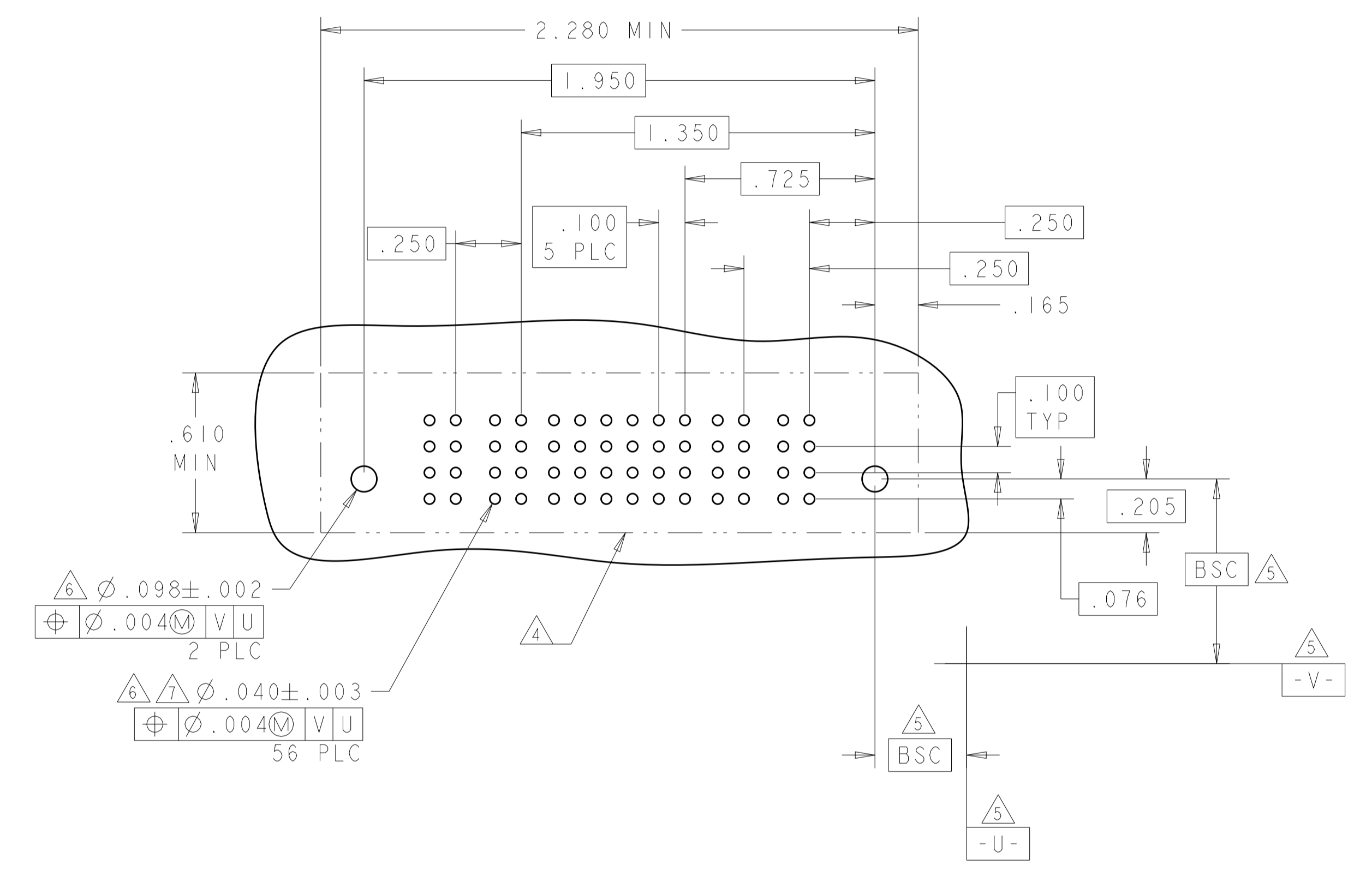


| PART NUMBER   | ROWS | POWER (L) |    |    |    |    | SIGNAL |    |    |    |    | POWER (R) |    |    |    |    |
|---------------|------|-----------|----|----|----|----|--------|----|----|----|----|-----------|----|----|----|----|
|               |      | P9        | P8 | P7 | P6 | P5 | 6      | 5  | 4  | 3  | 2  | 1         | P4 | P3 | P2 | P1 |
| 5-6450550-5   | D    | ○         | GS | GS | GS | GS | GS     | 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 + 5P |      |           |    |    |    |    |        |    |    |    |    |           |    |    |    |    |

NO CONTACTS LOADED



| ASSY PART NUMBER | ROWS | POWER |    | SIGNAL |    |    |    |    | POWER |    |    |    |
|------------------|------|-------|----|--------|----|----|----|----|-------|----|----|----|
|                  |      | P4    | P3 | 6      | 5  | 4  | 3  | 2  | 1     | P2 | P1 |    |
| 4-6450550-7      | D    | ○     | GS | GP     | AP | AP | AP | AP | AP    | AP | GP | GS |
|                  | C    |       |    |        | AP | AP | AP | AP | AP    |    |    |    |
|                  | B    |       |    |        | AP | AP | AP | AP | AP    |    |    |    |
|                  | A    |       |    |        | AP | AP | AP | AP | AP    |    |    |    |
| 2P + 24S + 2P    |      |       |    |        |    |    |    |    |       |    |    |    |

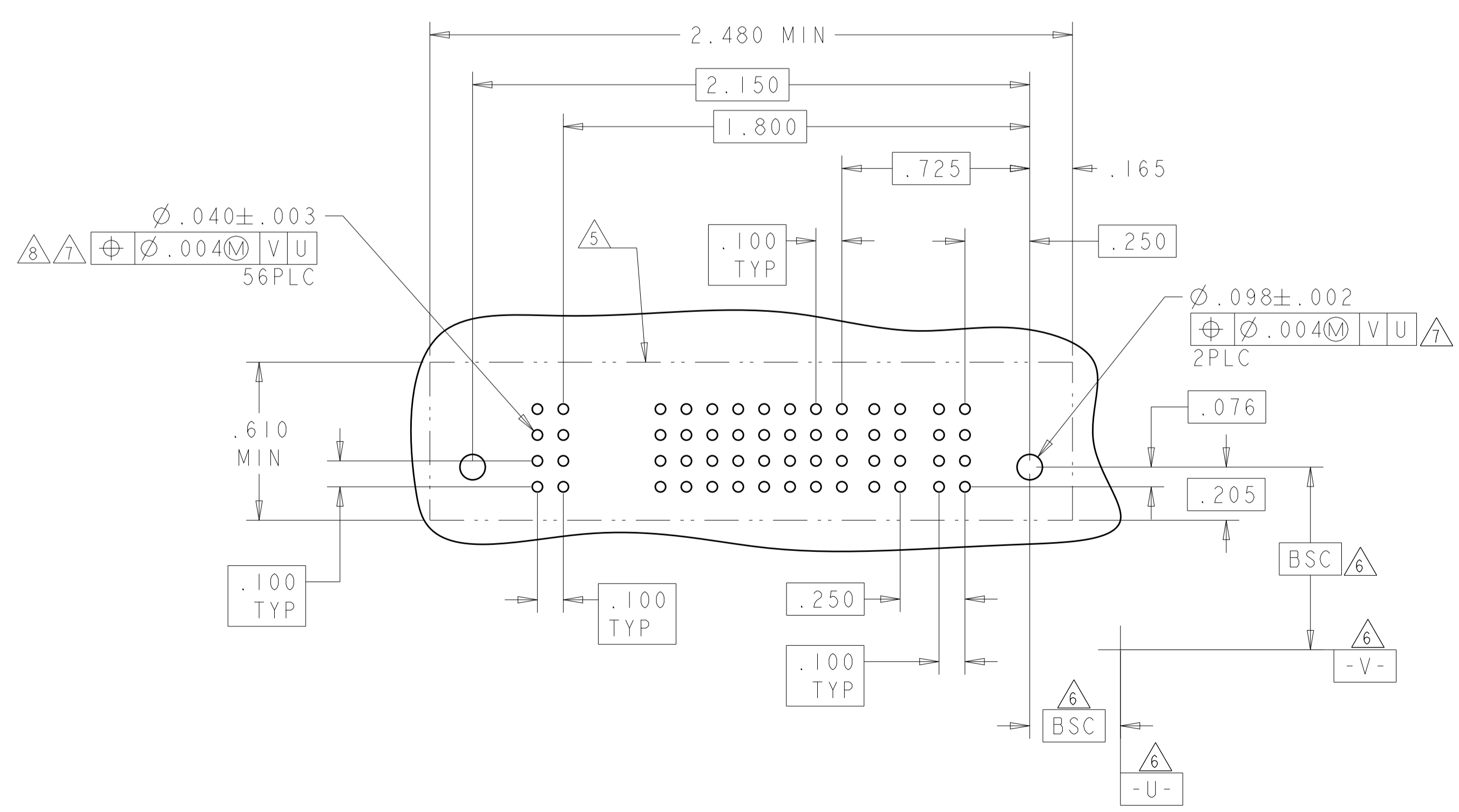
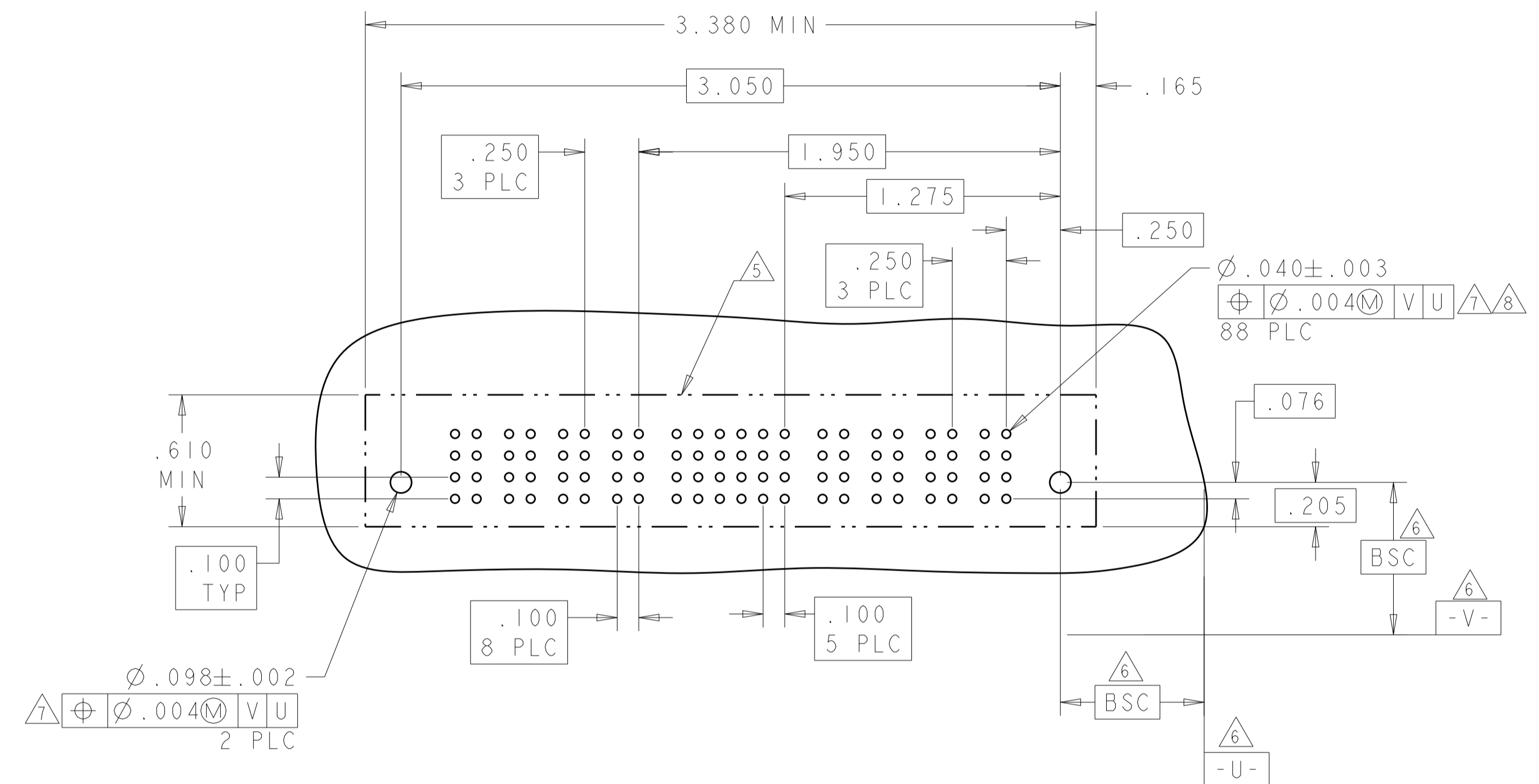
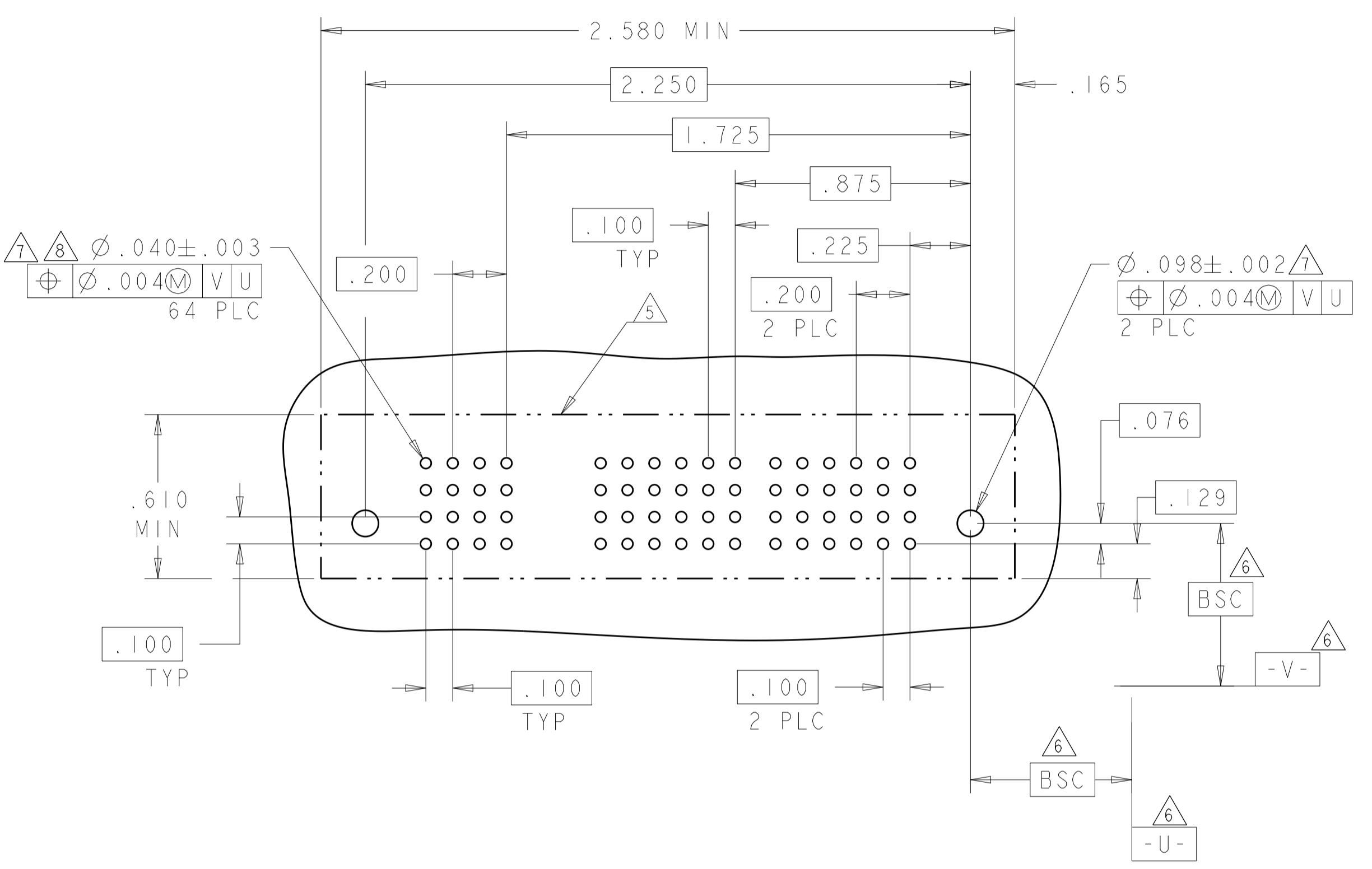


|  |  |                             |   |
|--|--|-----------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | OWN: R. GRZYBOWSKI 02MAY05  | <br>TE Connectivity   |
| DIMENSIONS: INCHES                     |  | CHK: M. PERCHERKE 02MAY05   |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD: M. PERCHERKE          | NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |
| 0 PLC ±.01                             |  | PRODUCT SPEC: 108-1973      | SIZE: CAGE CODE DRAWING NO: A100779C=6450550                  |
| 1 PLC ±.01                             |  | APPLICATION SPEC: 114-13038 | RESTRICTED TO: -  |
| 2 PLC ±.01                             |  | WEIGHT: -                   | SCALE: 4:1 SHEET 12 OF 23 REV: U3                             |
| 3 PLC ±.005                            |  | CUSTOMER DRAWING            |   |
| 4 PLC ±.002                            |  |                             |   |
| ANGLES ±.020                           |  |                             |   |

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

| PART NUMBER   | ROWS             | POWER |    |    | SIGNAL |    |    |    |    |    | POWER |    |    |    |
|---------------|------------------|-------|----|----|--------|----|----|----|----|----|-------|----|----|----|
|               |                  | P6    | P5 | P4 | 6      | 5  | 4  | 3  | 2  | 1  | P3    | P2 | P1 |    |
| 5-6450550-6   | D<br>C<br>B<br>A | GS    | GS | AP | AP     | AP | AP | AP | AP | AP | AP    | GP | GS | GS |
|               |                  |       |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |    |
|               |                  |       |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |    |
|               |                  |       |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |    |
| 3P + 24S + 3P |                  |       |    |    |        |    |    |    |    |    |       |    |    |    |

| PART NUMBER   | ROWS             | POWER (L) |    |    |    | SIGNAL |    |    |    |    |    | POWER (R) |    |    |    |
|---------------|------------------|-----------|----|----|----|--------|----|----|----|----|----|-----------|----|----|----|
|               |                  | P8        | P7 | P6 | P5 | 6      | 5  | 4  | 3  | 2  | 1  | P4        | P3 | P2 | P1 |
| 5-6450550-7   | D<br>C<br>B<br>A | GP        | GS | GP | GS | AP     | AP | AP | AP | AP | AP | GS        | GP | GS | GP |
|               |                  |           |    |    |    | AP     | AP | AP | AP | AP | AP |           |    |    |    |
|               |                  |           |    |    |    | AP     | AP | AP | AP | AP | AP |           |    |    |    |
|               |                  |           |    |    |    | AP     | AP | AP | AP | AP | AP |           |    |    |    |
| 4P + 24S + 4P |                  |           |    |    |    |        |    |    |    |    |    |           |    |    |    |



| PART NUMBER   | ROWS             | POWER (L) |    | SIGNAL |    |    |    |    |    |    |    | POWER (R) |    |    |    |
|---------------|------------------|-----------|----|--------|----|----|----|----|----|----|----|-----------|----|----|----|
|               |                  | P4        | P3 | 8      | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P2        | P1 |    |    |
| 5-6450550-8   | D<br>C<br>B<br>A | GS        | GS | AP     | AP | AP | AP | AP | AP | AP | AP | AP        | AP | GP | 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 |           |    |    |    |
| 2P + 32S + 2P |                  |           |    |        |    |    |    |    |    |    |    |           |    |    |    |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: R. GRZYBOWSKI 02MAY05  
 CHK: M. PERCHERKE 02MAY05  
 APVD: M. PERCHERKE

TE Connectivity

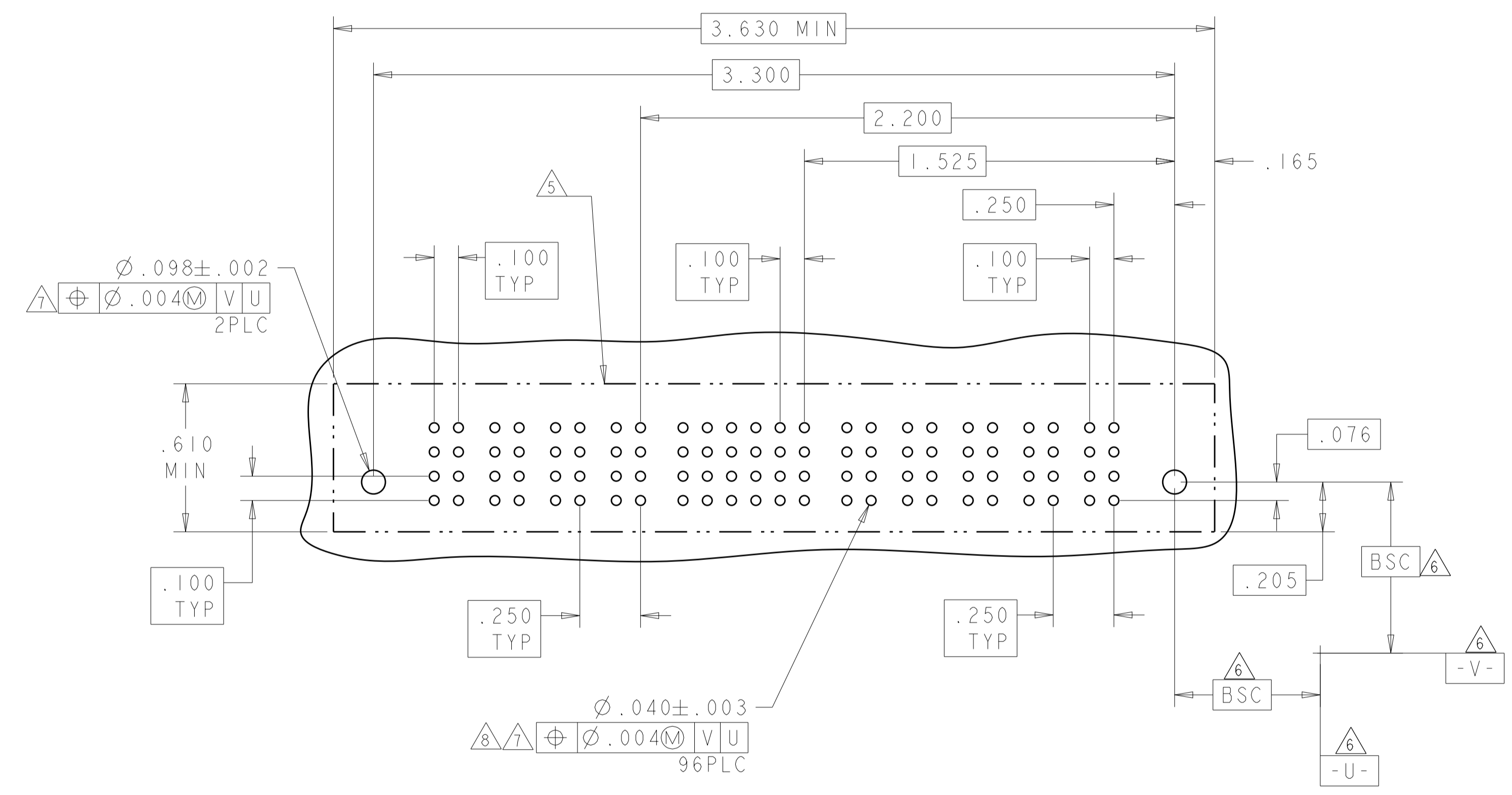
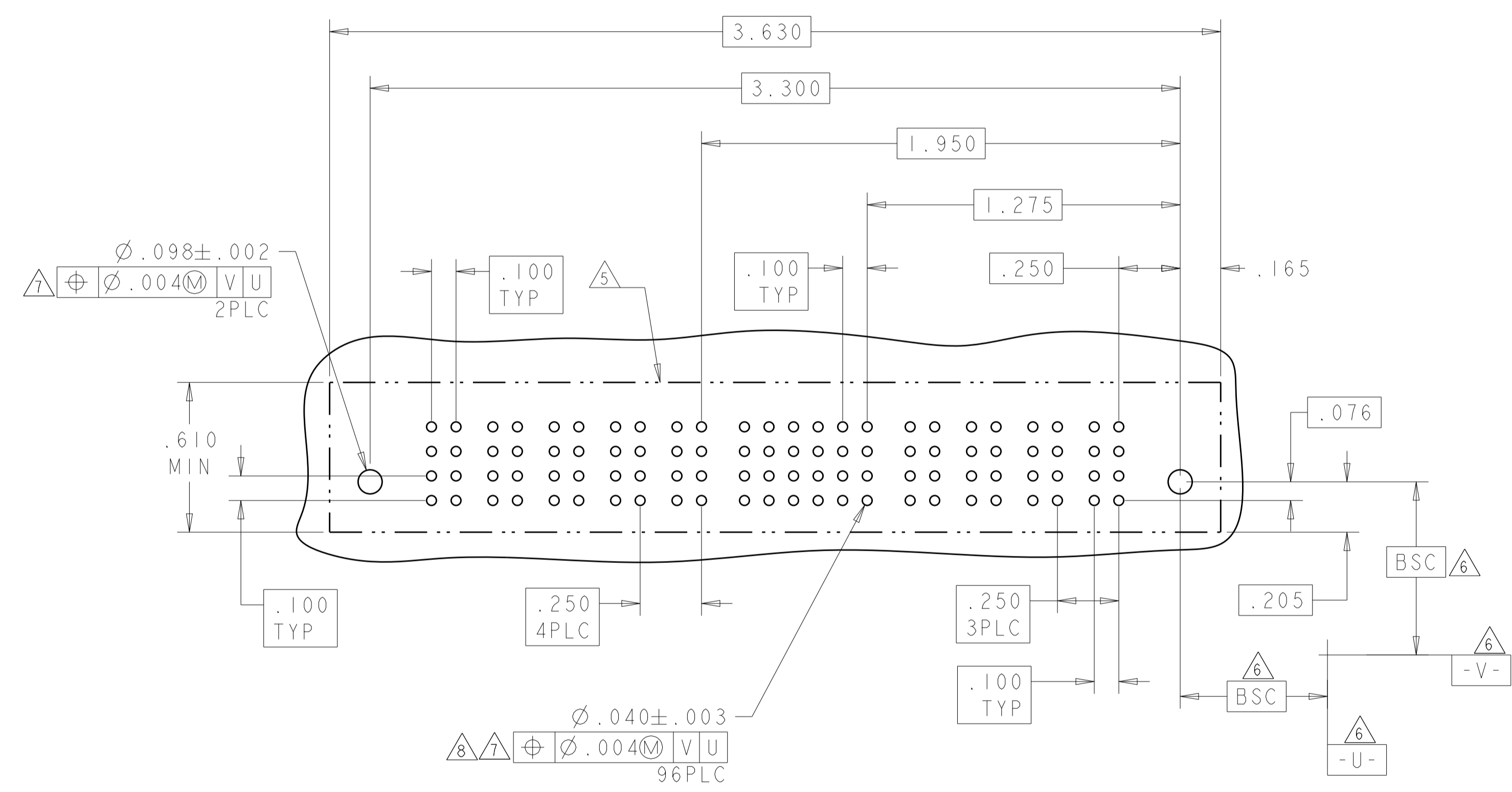
VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL

SCALE: 4:1 SHEET 13 OF 23 REV: U3

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

| PART NUMBER | ROWS             | POWER         |    |    |    |    | SIGNAL |    |    |    |    | POWER |    |    |    |    |    |    |    |    |
|-------------|------------------|---------------|----|----|----|----|--------|----|----|----|----|-------|----|----|----|----|----|----|----|----|
|             |                  | P9            | P8 | P7 | P6 | P5 | 6      | 5  | 4  | 3  | 2  | 1     | P4 | P3 | P2 | P1 |    |    |    |    |
| 5-6450550-9 | D<br>C<br>B<br>A | GP            | GP | GP | GP | GP | AP     | AP | AP | AP | AP | AP    | AP | AP | AP | GP | GP | GP | GP | GP |
|             |                  | HD            |    |    |    |    |        |    |    |    |    |       |    |    |    | HD |    |    |    |    |
|             |                  | 4P + 24S + 5P |    |    |    |    |        |    |    |    |    |       |    |    |    |    |    |    |    |    |

| PART NUMBER | ROWS             | POWER         |    |    |    |    | SIGNAL |    |    |    |    | POWER |    |    |    |    |    |    |    |    |
|-------------|------------------|---------------|----|----|----|----|--------|----|----|----|----|-------|----|----|----|----|----|----|----|----|
|             |                  | P9            | P8 | P7 | P6 | P5 | 6      | 5  | 4  | 3  | 2  | 1     | P5 | P4 | P3 | P2 | P1 |    |    |    |
| 6-6450550-0 | D<br>C<br>B<br>A | GP            | GP | GP | GP | GP | AP     | AP | AP | AP | AP | AP    | AP | AP | AP | GP | GP | GP | GP | GP |
|             |                  | HD            |    |    |    |    |        |    |    |    |    |       |    |    |    | HD |    |    |    |    |
|             |                  | 5P + 24S + 4P |    |    |    |    |        |    |    |    |    |       |    |    |    |    |    |    |    |    |

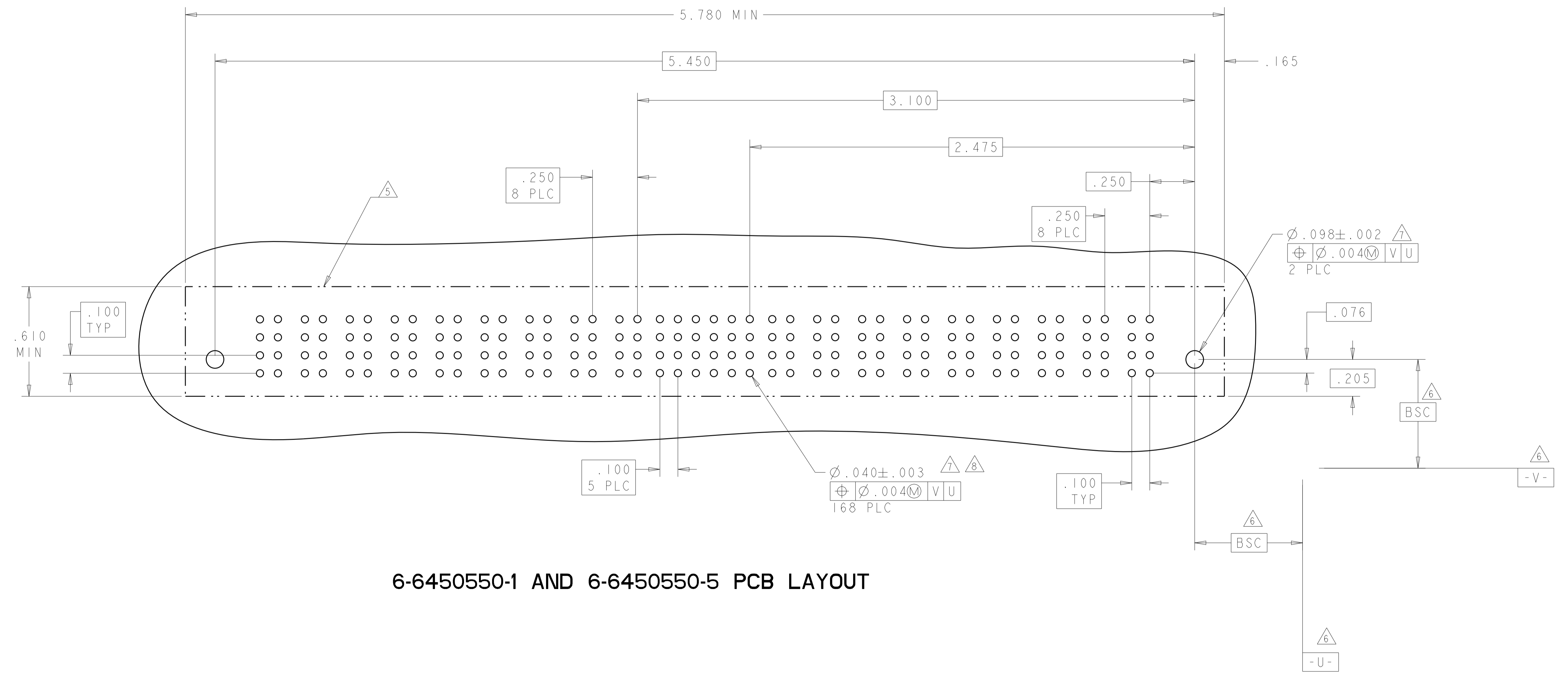


|   |  |                                 |   |
|---|--|---------------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>R. GRZYBOWSKI<br>02MAY05 | TE Connectivity   |
| DIMENSIONS:<br>INCHES   |  | CHK<br>M. PERCHERKE<br>02MAY05  |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.020 |  | APVD<br>M. PERCHERKE            | NAME<br>VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |
| MATERIAL  |  | FINISH                          | RESTRICTED TO   |
| CUSTOMER DRAWING  |  | SCALE 4:1                       | SHEET 14 OF 23 REV U3   |

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

| PART NUMBER   | ROWS             | POWER |     |     |     |     |     |     |     | SIGNAL |    |    |    |    |    | POWER |    |    |    |    |    |    |    |    |    |    |    |
|---------------|------------------|-------|-----|-----|-----|-----|-----|-----|-----|--------|----|----|----|----|----|-------|----|----|----|----|----|----|----|----|----|----|----|
|               |                  | P18   | P17 | P16 | P15 | P14 | P13 | P12 | P11 | P10    | 1  | 2  | 3  | 4  | 5  | 6     | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 |    |    |
| 6-6450550-1   | D<br>C<br>B<br>A | HD    | GS  | GS  | GP  | GP  | GP  | GS  | GS  | GS     | GS | AP | AP | AP | AP | AP    | AP | HD | GS | GS | GS | GS | GP | GP | GP | GS | 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 | AP | AP    | AP |    | AP | AP | AP |    |    |    |    |    |    |
| 9P + 24S + 9P |                  |       |     |     |     |     |     |     |     |        |    |    |    |    |    |       |    |    |    |    |    |    |    |    |    |    |    |

| PART NUMBER   | ROWS             | POWER |     |     |     |     |     |     |     | SIGNAL |    |    |    |    |    | POWER |    |    |    |    |    |    |    |    |    |    |    |
|---------------|------------------|-------|-----|-----|-----|-----|-----|-----|-----|--------|----|----|----|----|----|-------|----|----|----|----|----|----|----|----|----|----|----|
|               |                  | P18   | P17 | P16 | P15 | P14 | P13 | P12 | P11 | P10    | 1  | 2  | 3  | 4  | 5  | 6     | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 |    |    |
| 6-6450550-5   | D<br>C<br>B<br>A | HD    | GP  | GS  | GS  | GS  | GS  | GS  | GS  | GS     | GS | AP | AP | AP | AP | AP    | AP | HD | GS | GS | GS | GS | GS | GS | GS | GP | GP |
|               |                  |       | 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 | AP | AP    | AP |    | AP | AP | AP |    |    |    |    |    |    |
| 9P + 24S + 9P |                  |       |     |     |     |     |     |     |     |        |    |    |    |    |    |       |    |    |    |    |    |    |    |    |    |    |    |

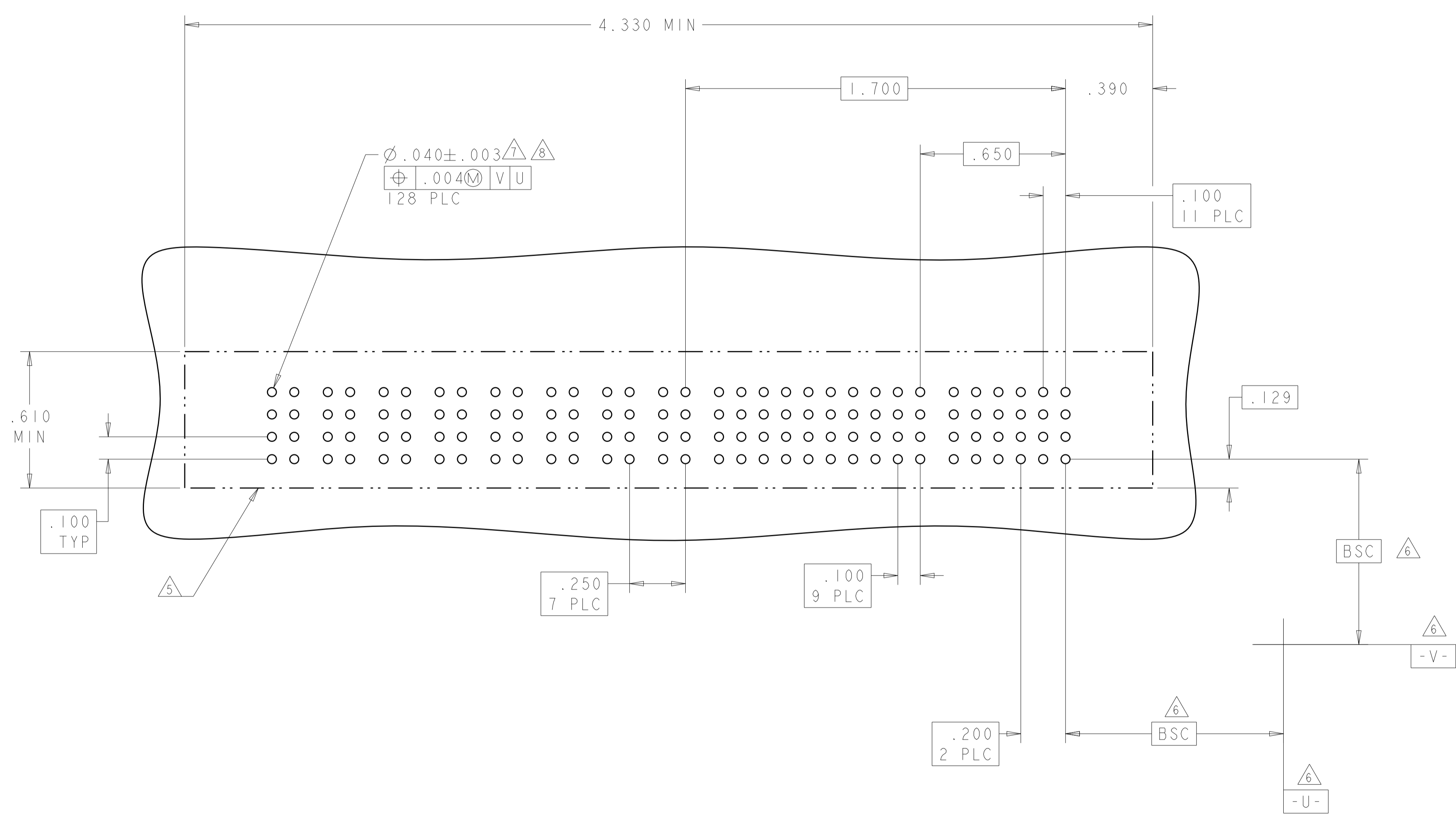


6-6450550-1 AND 6-6450550-5 PCB LAYOUT

|  |  |                             |   |
|--|--|-----------------------------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | OWN: R. GRZYBOWSKI 02MAY05  | TE Connectivity   |
| DIMENSIONS: INCHES                     |  | CHK: M. PERCHERKE 02MAY05   |   |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD: M. PERCHERKE          | NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |
| 0 PLC ±.01                             |  | PRODUCT SPEC: 108-1973      | SIZE: A1  |
| 1 PLC ±.01                             |  | APPLICATION SPEC: 114-13038 | CAGE CODE: 6450550  |
| 2 PLC ±.005                            |  | WEIGHT: -                   | RESTRICTED TO: -  |
| 3 PLC ±.0020                           |  | FINISH: -                   | SCALE: 4:1  |
| ANGLES ±.0020                          |  | CUSTOMER DRAWING            | SHEET 15 OF 23  |
| MATERIAL: -                            |  | REV: U3                     |   |

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

| PART NUMBER   | ROWS             | POWER |     |    |    |    |    |    |    | SIGNAL |    |    |    |    |    |    |    | POWER |    |    |    |    |    |
|---------------|------------------|-------|-----|----|----|----|----|----|----|--------|----|----|----|----|----|----|----|-------|----|----|----|----|----|
|               |                  | P11   | P10 | P9 | P8 | P7 | P6 | P5 | P4 | I0     | I9 | I8 | I7 | I6 | I5 | I4 | I3 | I2    | I1 | P3 | P2 | P1 |    |
| 6-6450550-2   | D<br>C<br>B<br>A | GS    | GS  | GS | GS | GP | GP | GP | GP | AP     | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | GS | GP | GS |
|               |                  | GS    | GS  | GS | GS | GP | GP | GP | GP | AP     | AP | AP | AP | AP | AP | AP | AP | AP    | AP | GS | GP | GS |    |
|               |                  | GS    | GS  | GS | GS | GP | GP | GP | GP | AP     | AP | AP | AP | AP | AP | AP | AP | AP    | AP | GS | GP | GS |    |
| 3P + 40S + 8P |                  |       |     |    |    |    |    |    |    |        |    |    |    |    |    |    |    |       |    |    |    |    |    |



THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R. GRZYBOWSKI 02MAY05  
 CHK: M. PERCHERKE 02MAY05  
 APVD: M. PERCHERKE

DIMENSIONS: INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 0 PLC ±.  
 1 PLC ±.01  
 2 PLC ±.01  
 3 PLC ±.005  
 4 PLC ±.002  
 ANGLES ±.2°  
 FINISH

MATERIAL: CUSTOMER DRAWING

NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL  
 PRODUCT SPEC: 108-1973  
 APPLICATION SPEC: 114-13038  
 WEIGHT: -

SIZE: A100779 C=6450550  
 SCALE: 4:1 SHEET 16 OF 23 REV: U3

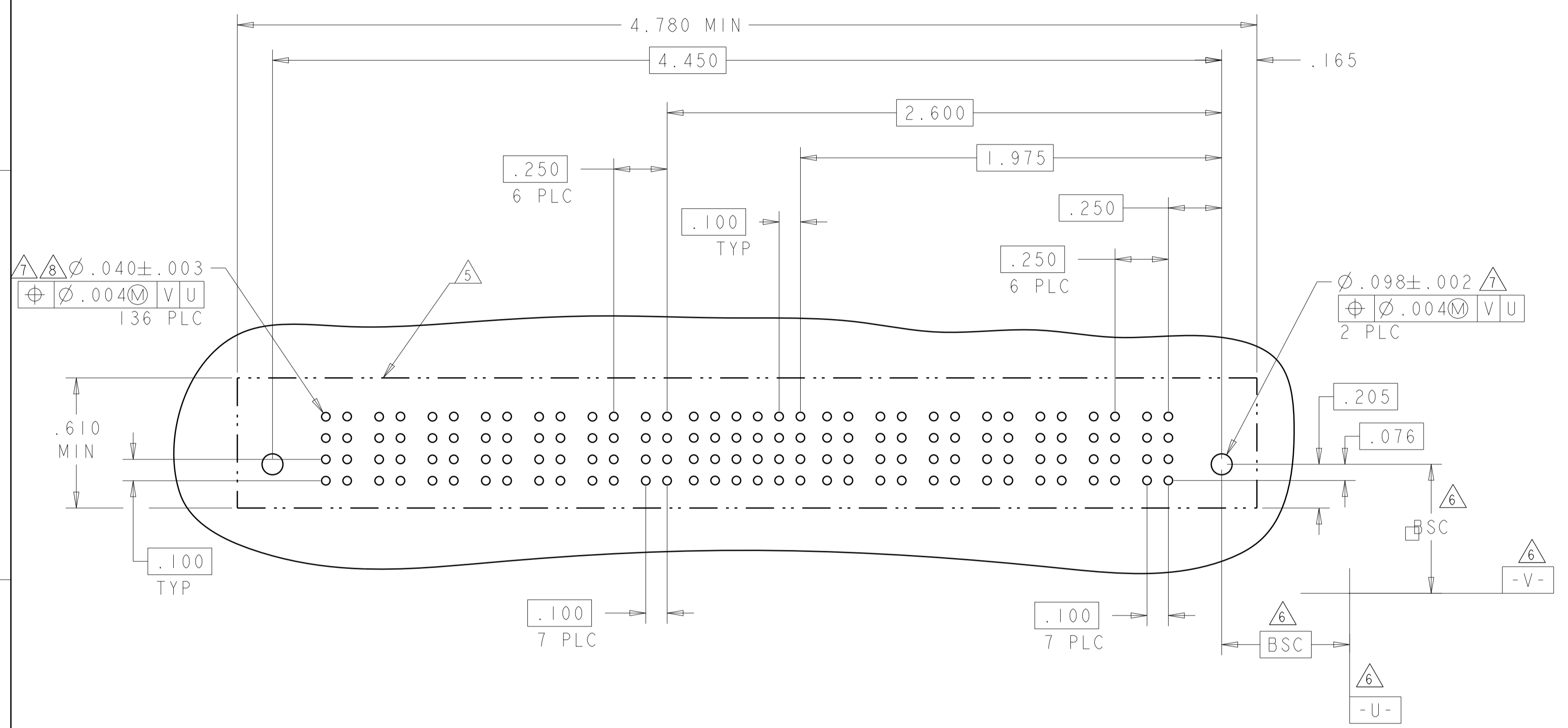
TE Connectivity



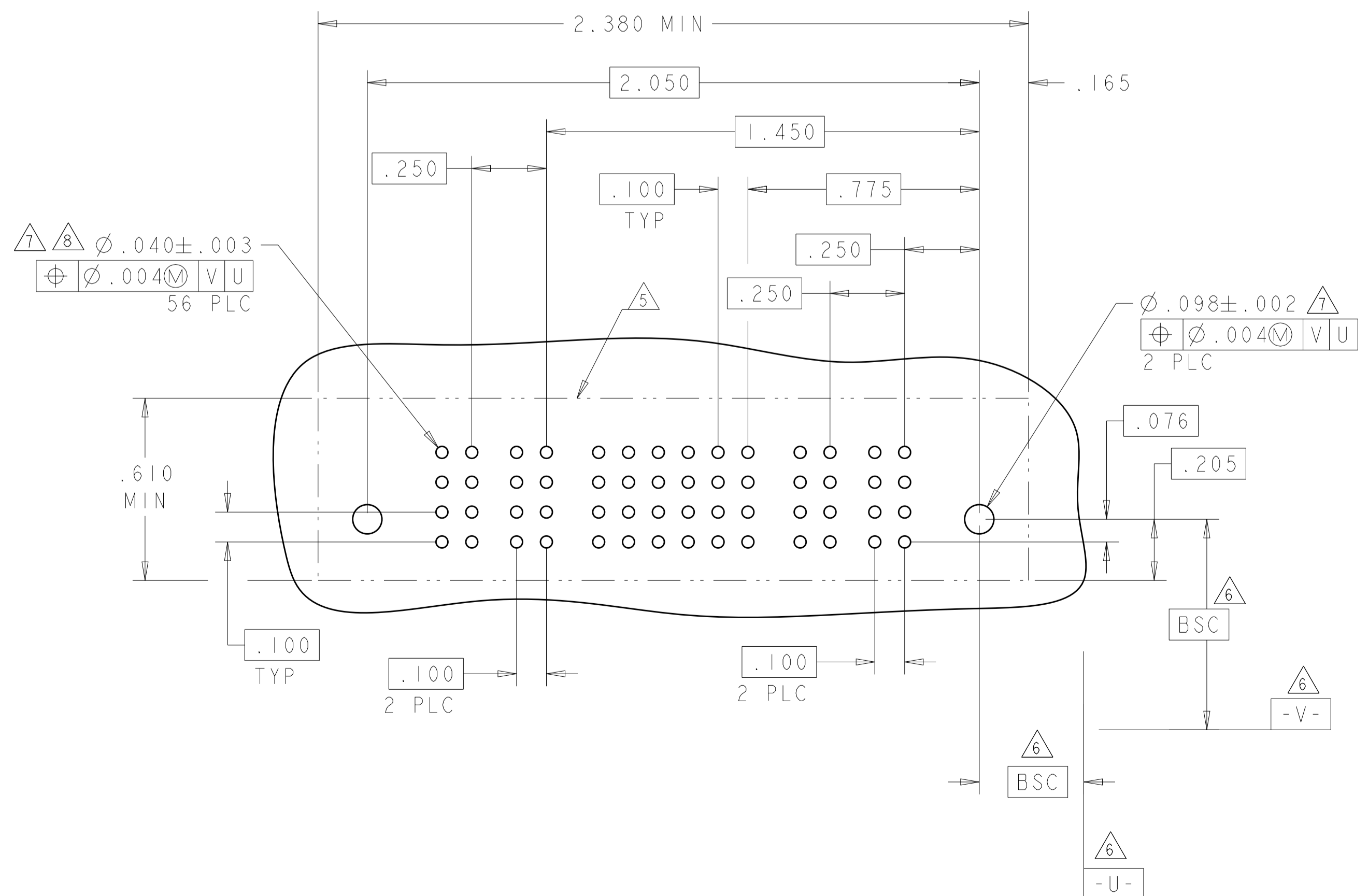
| LOC |    | DIST |     | REVISIONS   |      |     |      |
|-----|----|------|-----|-------------|------|-----|------|
| ES  | 00 | P    | LTN | DESCRIPTION | DATE | OWN | APVD |
|     |    |      |     | SEE SHEET 1 |      |     |      |

| PART NUMBER   | ROWS             | POWER |     |     |     |     |    | SIGNAL |    |    |    |    |    | POWER |    |    |    |    |    |    |    |
|---------------|------------------|-------|-----|-----|-----|-----|----|--------|----|----|----|----|----|-------|----|----|----|----|----|----|----|
|               |                  | P14   | P13 | P12 | P11 | P10 | P9 | P8     | 1  | 2  | 3  | 4  | 5  | 6     | P7 | P6 | P5 | P4 | P3 | P2 | P1 |
| 6-6450550-3   | D<br>C<br>B<br>A | GP    | GP  | GP  | GS  | GS  | GS | GS     | AP | AP | AP | AP | AP | AP    | GS | GS | GS | GS | GP | GP | GP |
|               |                  |       |     |     |     |     |    |        | AP | AP | AP | AP | AP | AP    |    |    |    |    |    |    |    |
|               |                  |       |     |     |     |     |    |        | AP | AP | AP | AP | AP | AP    |    |    |    |    |    |    |    |
| 7P + 24S + 7P |                  |       |     |     |     |     |    |        |    |    |    |    |    |       |    |    |    |    |    |    |    |

| ASSY PART NUMBER | ROWS             | POWER |    |    |    | SIGNAL |    |    |    | POWER |    |
|------------------|------------------|-------|----|----|----|--------|----|----|----|-------|----|
|                  |                  | P6    | P5 | P4 | P3 | 4      | 3  | 2  | 1  | P2    | P1 |
| 6-6450550-4      | D<br>C<br>B<br>A | GP    | GP | GS | GS | AP     | AP | AP | AP | GS    | GP |
|                  |                  |       |    |    |    | AP     | AP | AP | AP |       |    |
|                  |                  |       |    |    |    | AP     | AP | AP | AP |       |    |
| 2P + 16S + 4P    |                  |       |    |    |    |        |    |    |    |       |    |



REMARK:  
 PCB LAYOUT THE SAME AS 5-6450550-4



| ASSY PART NUMBER | ROWS             | POWER |    | SIGNAL |    |    |    |    |    | POWER |    |
|------------------|------------------|-------|----|--------|----|----|----|----|----|-------|----|
|                  |                  | P4    | P3 | 6      | 5  | 4  | 3  | 2  | 1  | P2    | P1 |
| 6-6450550-6      | D<br>C<br>B<br>A | GS    | GP | AP     | AP | AP | AP | AP | AP | GS    | GP |
|                  |                  |       |    | AP     | AP | AP | AP | AP | AP |       |    |
|                  |                  |       |    | AP     | AP | AP | AP | AP | AP |       |    |
| 2P + 24S + 2P    |                  |       |    |        |    |    |    |    |    |       |    |

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R.GRZYBOWSKI 02MAY05  
 CHK: M.PERCHEKKE 02MAY05  
 APVD: M.PERCHEKKE

**STE** TE Connectivity

NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL

PRODUCT SPEC: 108-1973  
 APPLICATION SPEC: 114-13038

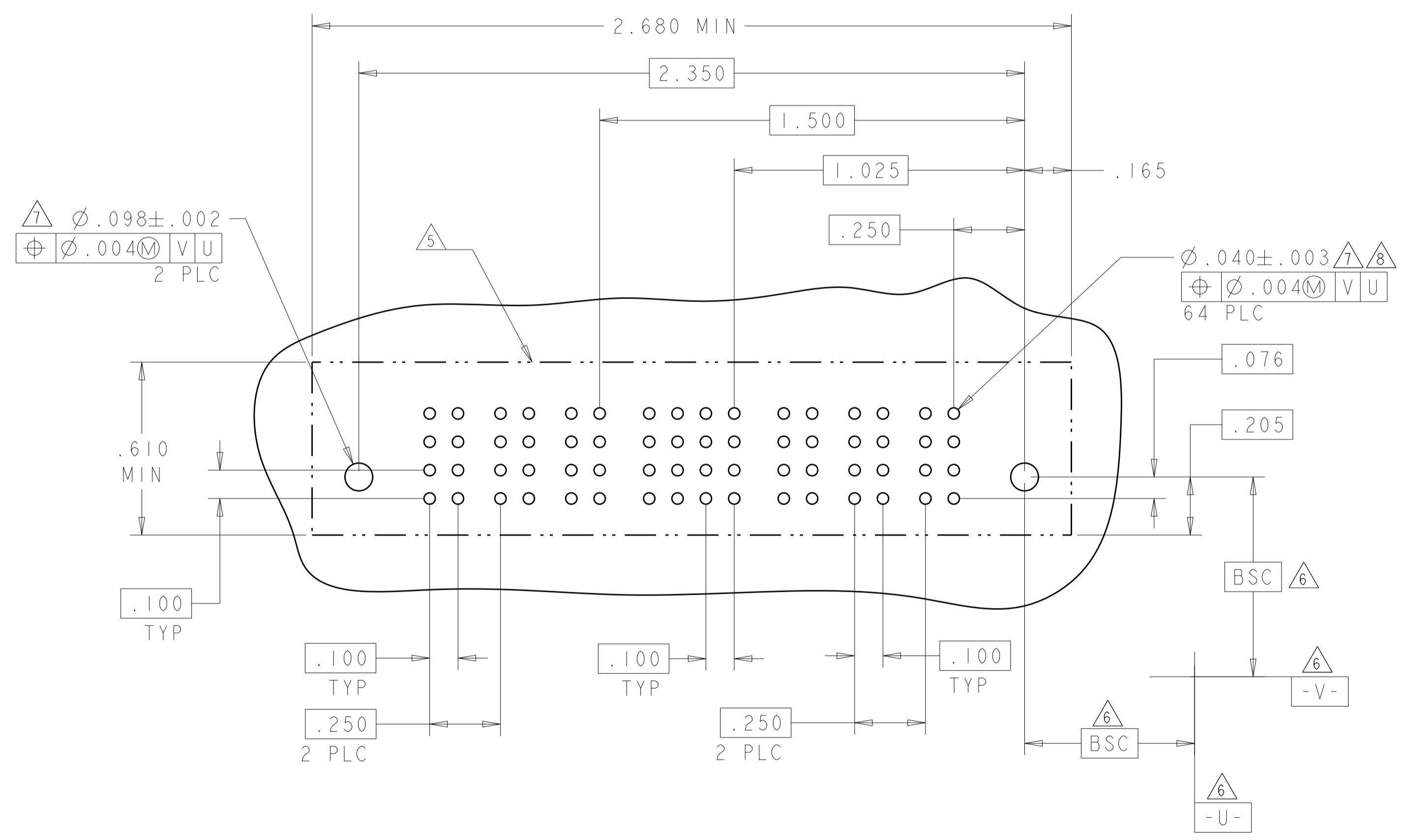
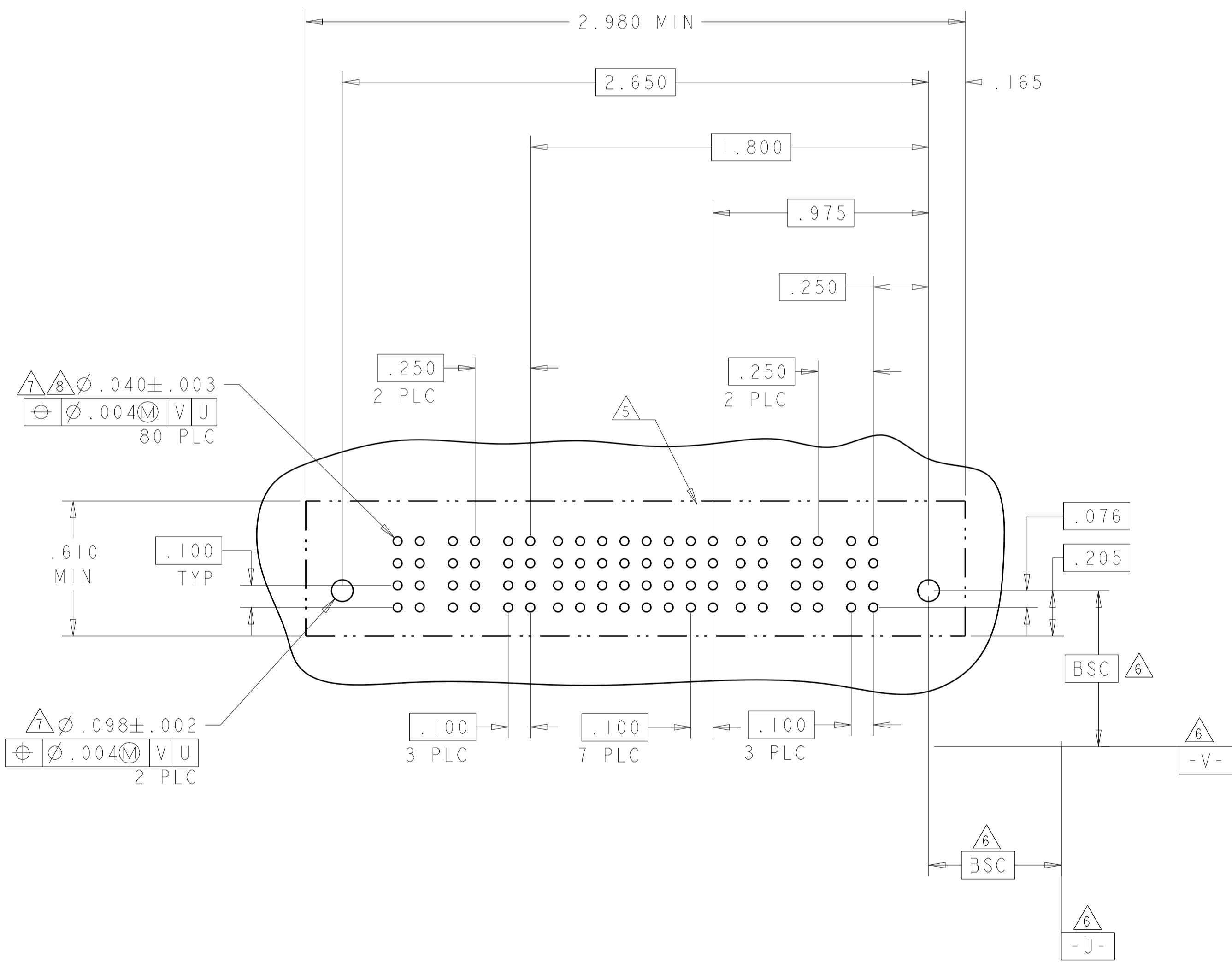
SIZE: A1 CAGE CODE: 6450550 DRAWING NO: 100779  
 WEIGHT: -  
 MATERIAL: - FINISH: -

CUSTOMER DRAWING SCALE: 4:1 SHEET 17 OF 23 REV: U3

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

| PART NUMBER   | ROWS | POWER |    |    | SIGNAL |    |    |    |    |    |    |    | POWER |    |    |    |
|---------------|------|-------|----|----|--------|----|----|----|----|----|----|----|-------|----|----|----|
|               |      | P6    | P5 | P4 | 8      | 7  | 6  | 5  | 4  | 3  | 2  | 1  | P3    | P2 | P1 |    |
| 6-6450550-7   | D    | GS    | GS | GS | AP     | AP | AP | AP | AP | AP | AP | AP | AP    | GP | 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 |       |    |    |    |
| 3P + 32S + 3P |      |       |    |    |        |    |    |    |    |    |    |    |       |    |    |    |

| PART NUMBER   | ROWS | POWER |    |    | SIGNAL |    |    |    | POWER |    |    |
|---------------|------|-------|----|----|--------|----|----|----|-------|----|----|
|               |      | P6    | P5 | P4 | 4      | 3  | 2  | 1  | P3    | P2 | P1 |
| 6-6450550-9   | D    | GP    | GP | GP | AP     | AP | AP | AP | GS    | GS | GS |
|               | C    |       |    |    | AP     | AP | AP | AP |       |    |    |
|               | B    |       |    |    | AP     | AP | AP | AP |       |    |    |
|               | A    |       |    |    | AP     | AP | AP | AP |       |    |    |
| 3P + 16S + 3P |      |       |    |    |        |    |    |    |       |    |    |



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: R. GRZYBOWSKI 02MAY05  
 CHK: M. PERCHERKE 02MAY05  
 APVD: M. PERCHERKE

TE Connectivity

NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL

PRODUCT SPEC: 108-1973  
 APPLICATION SPEC: 114-13038

SIZE: A1  
 CAGE CODE: 6450550  
 DRAWING NO: 100779

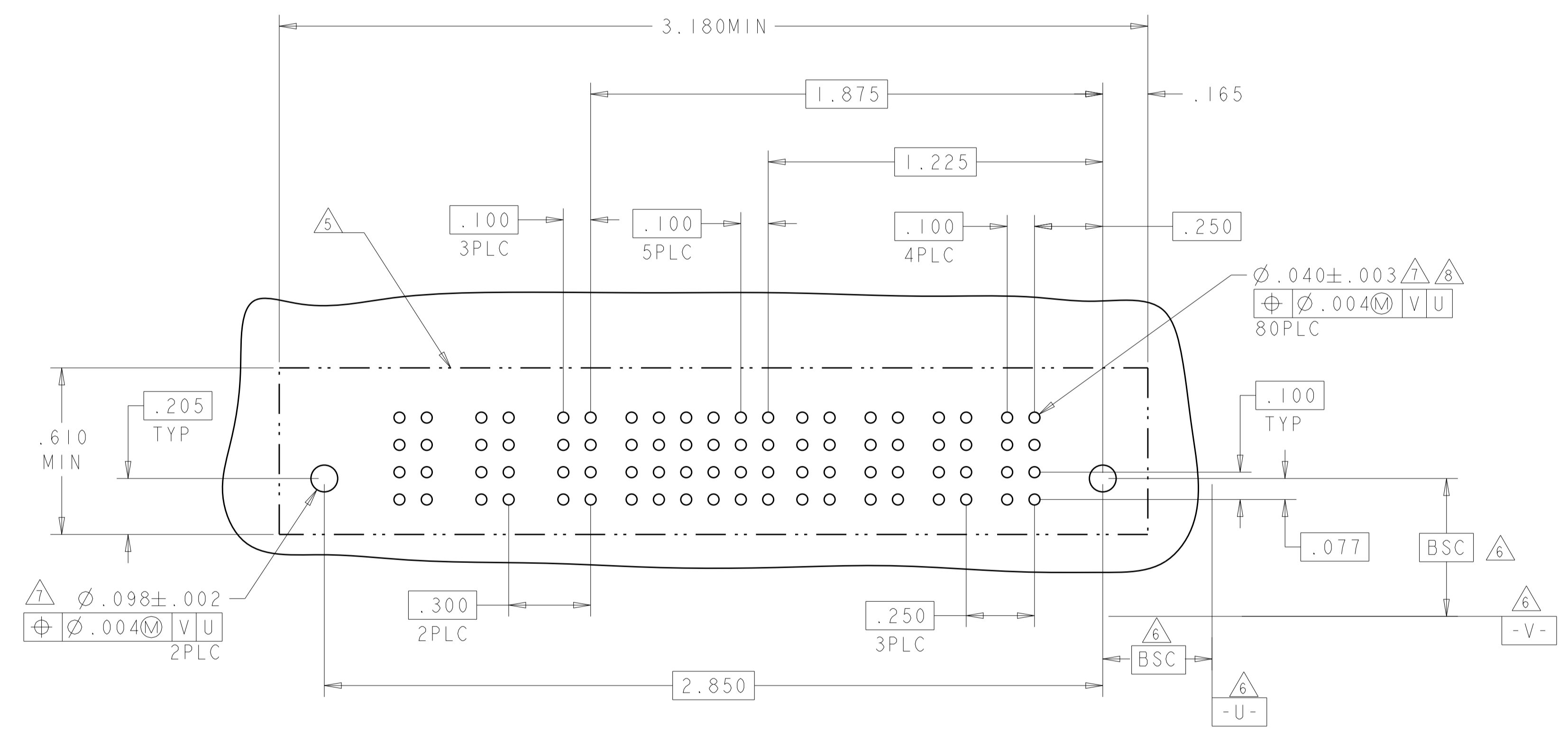
RESTRICTED TO: -

CUSTOMER DRAWING

SCALE: 4:1 SHEET 18 OF 23 REV: U3

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

| PART NUMBER     | ROWS             | POWER |    |    | SIGNAL |   |   |   |   | POWER |    |    |    |    |
|-----------------|------------------|-------|----|----|--------|---|---|---|---|-------|----|----|----|----|
|                 |                  | P7    | P6 | P5 | 6      | 5 | 4 | 3 | 2 | 1     | P4 | P3 | P2 | P1 |
| 7-6450550-0     | D<br>C<br>B<br>A | VS    | VS | VP | P      | P | P | P | P | P     | VS | VS | VS | VS |
|                 |                  |       |    |    | P      | P | P | P | P |       |    |    |    |    |
|                 |                  |       |    |    | P      | P | P | P | P |       |    |    |    |    |
|                 |                  |       |    |    | P      | P | P | P | P |       |    |    |    |    |
| 4P + 24S + 3ACP |                  |       |    |    |        |   |   |   |   |       |    |    |    |    |



THIS DRAWING IS A CONTROLLED DOCUMENT.

|      |               |         |
|------|---------------|---------|
| DW   | R. GRZYBOWSKI | 02MAY05 |
| CHK  | M. PERCHERKE  | 02MAY05 |
| APVD | M. PERCHERKE  |         |

TE Connectivity

NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL

|             |  |
|-------------|--|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED: |
| INCHES      | 0 PLC ± .01                            |
|             | 1 PLC ± .01                            |
|             | 2 PLC ± .01                            |
|             | 3 PLC ± .005                           |
|             | 4 PLC ± .002                           |
|             | ANGLES ± .2°                           |

|          |        |        |       |          |     |
|----------|--------|--------|-------|----------|-----|
| MATERIAL | FINISH | WEIGHT | SCALE | SHEET    | REV |
|          |        |        | 4:1   | 19 OF 23 | U3  |

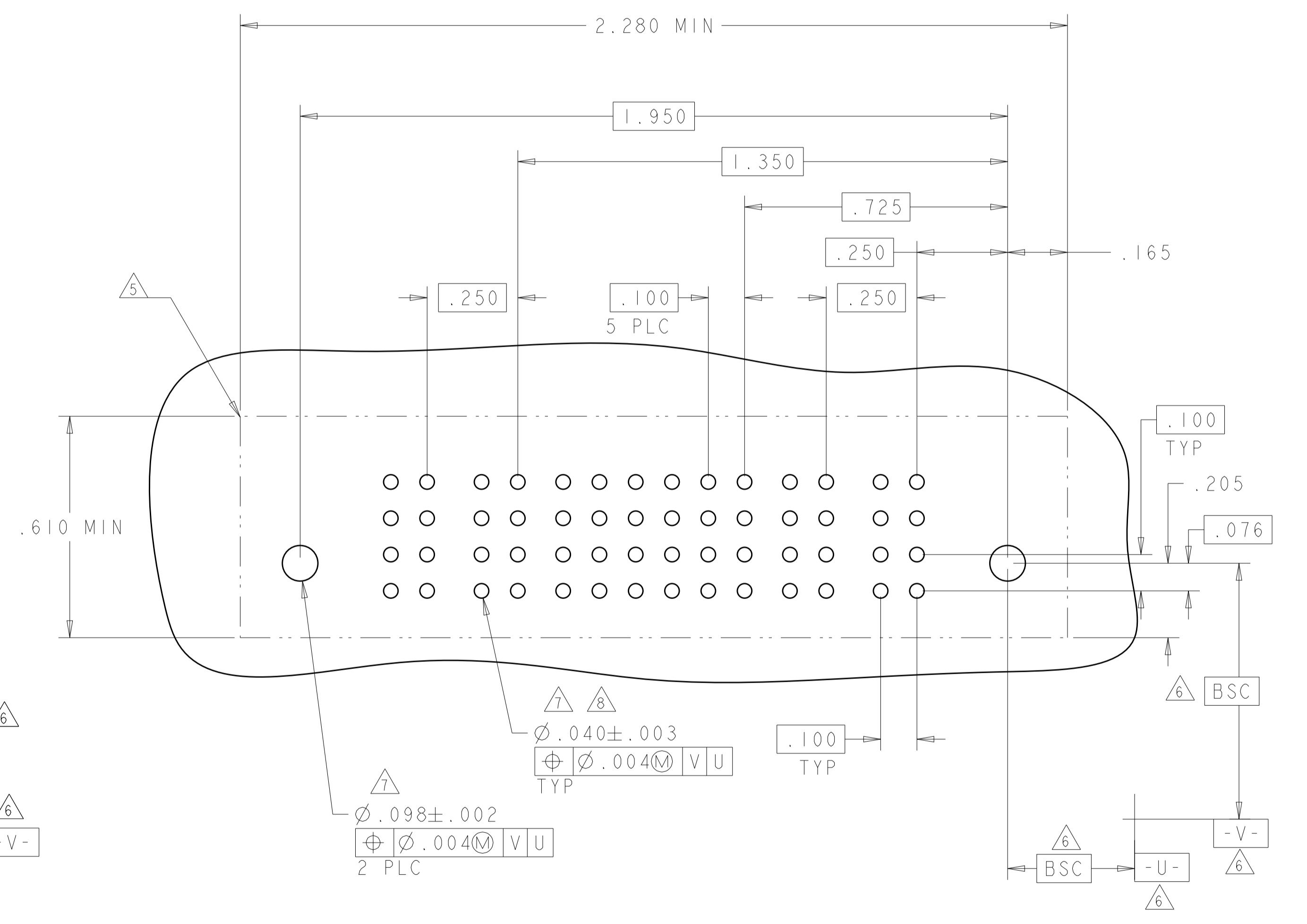
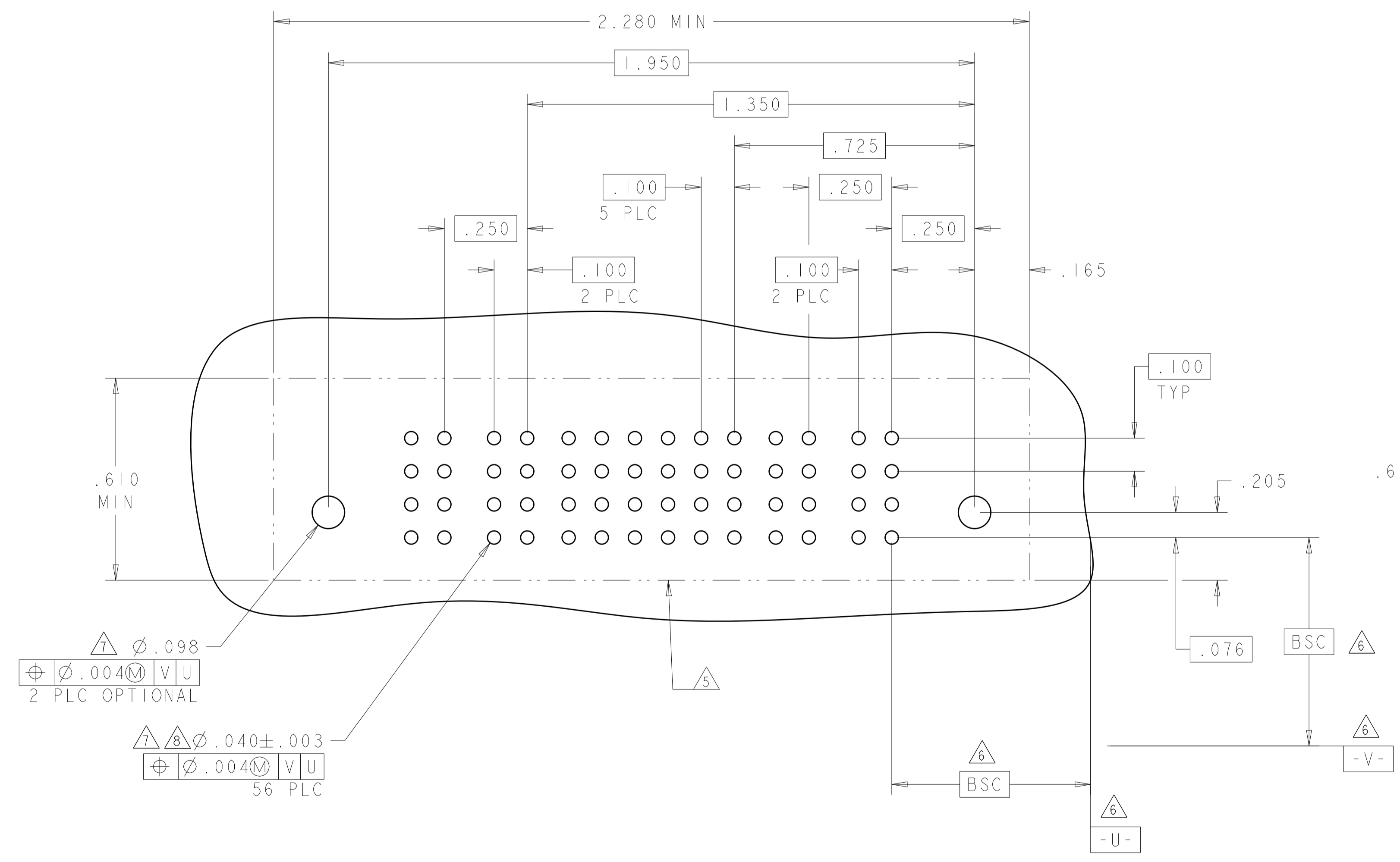
CUSTOMER DRAWING

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

| ASSY PART NUMBER | ROWS             | POWER |    | SIGNAL |    |    |    |    |    | POWER |    |    |    |
|------------------|------------------|-------|----|--------|----|----|----|----|----|-------|----|----|----|
|                  |                  | P4    | P3 | 6      | 5  | 4  | 3  | 2  | 1  | P2    | P1 |    |    |
| 7-6450550-1      | D<br>C<br>B<br>A | GP    | GP | AP     | AP | AP | AP | AP | AP | AP    | AP | GP | GP |
|                  |                  |       |    | AP     | AP | AP | AP | AP | AP | AP    |    |    |    |
|                  |                  |       |    | AP     | AP | AP | AP | AP | AP | AP    |    |    |    |
|                  |                  |       |    | AP     | AP | AP | AP | AP | AP | AP    |    |    |    |
| 2P + 24S + 2P    |                  |       |    |        |    |    |    |    |    |       |    |    |    |

| PART NUMBER   | ROWS             | POWER |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |
|---------------|------------------|-------|----|--------|---|---|---|---|---|-------|----|----|----|
|               |                  | P4    | P3 | 6      | 5 | 4 | 3 | 2 | 1 | P2    | P1 |    |    |
| 1-6450550-5   | D<br>C<br>B<br>A | VS    | VS | P      | P | P | P | P | P | P     | P  | VP | VP |
|               |                  |       |    | P      | P | P | P | P | P | P     |    |    |    |
|               |                  |       |    | P      | P | P | P | P | P | P     |    |    |    |
|               |                  |       |    | P      | P | P | P | P | P | P     |    |    |    |
| 2P + 24S + 2P |                  |       |    |        |   |   |   |   |   |       |    |    |    |

T7



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

|       |     |        |
|-------|-----|--------|
| Ø     | PLC | ±      |
| Ø     | PLC | ±.01   |
| Ø     | PLC | ±.005  |
| Ø     | PLC | ±.0020 |
| ANGLE |     | ±.2°   |

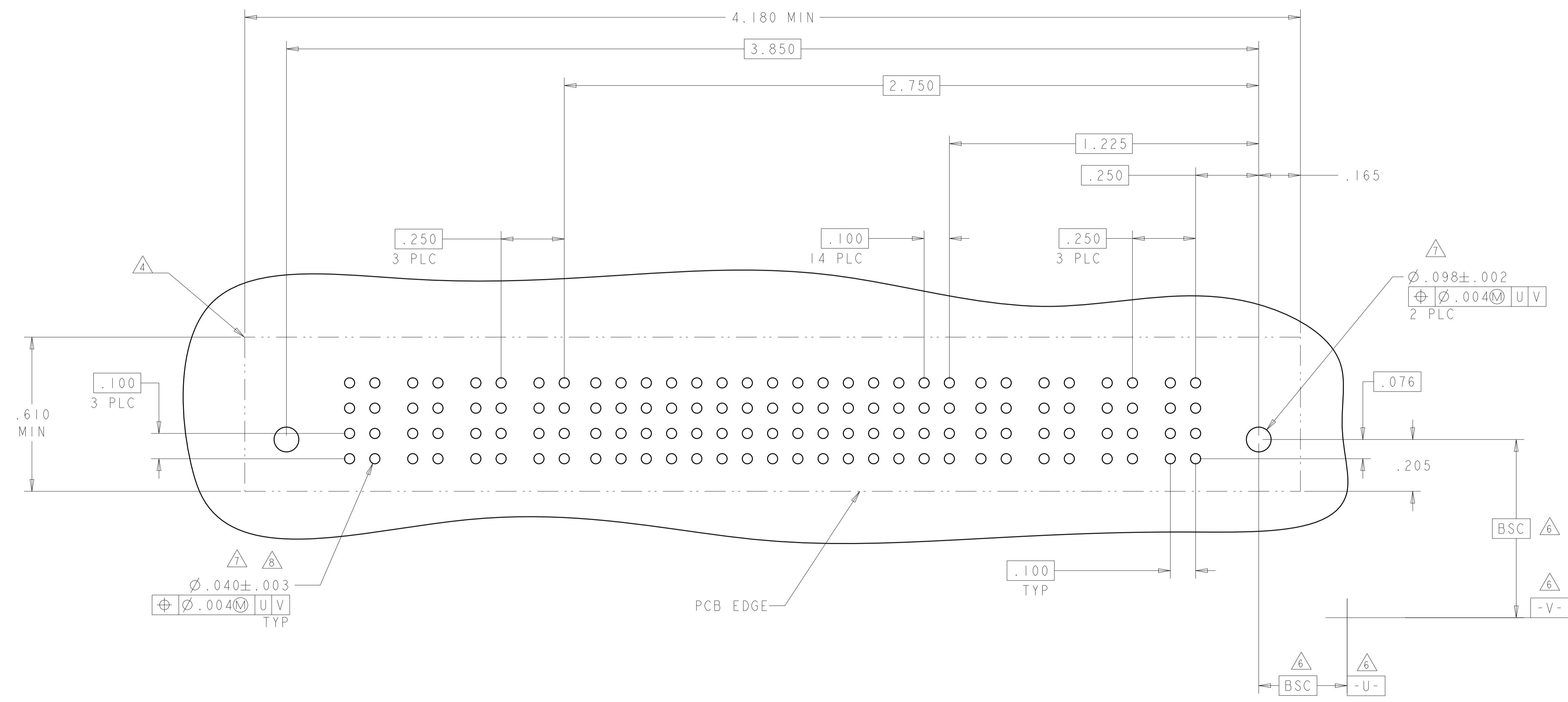
MATERIAL: FINISH:  $\mu$

|   |         |                     |
|---|---------|---------------------|
| OWN: R. GRZYBOWSKI  | 02MAY05 | <br>TE Connectivity |
| CHK: M. PERCHERKE   | 02MAY05 |                     |
| APPD: M. PERCHERKE  |         |                     |
| NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL |         |                     |
| PRODUCT SPEC: 108-1973  |         | SIZE: A1            |
| APPLICATION SPEC: 114-13038                                   |         | CAGE CODE: 6450550  |
| WEIGHT: -   |         | SCALE: 4:1          |
| CUSTOMER DRAWING  |         | SHEET 20 OF 23      |

REV: U3

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

| 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 |    |    |    |    |    |    |    |    |    |
| 7-6450550-2   | D<br>C<br>B<br>A | HD | GS    | GP | GS | GP | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | GS | GP | GS | GP | HD |    |    |    |
|               |                  |    |       |    |    |    | 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 |
| 4P + 60S + 4P |                  |    |       |    |    |    |        |    |    |    |    |    |    |    |    |    |    |    |    |    |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

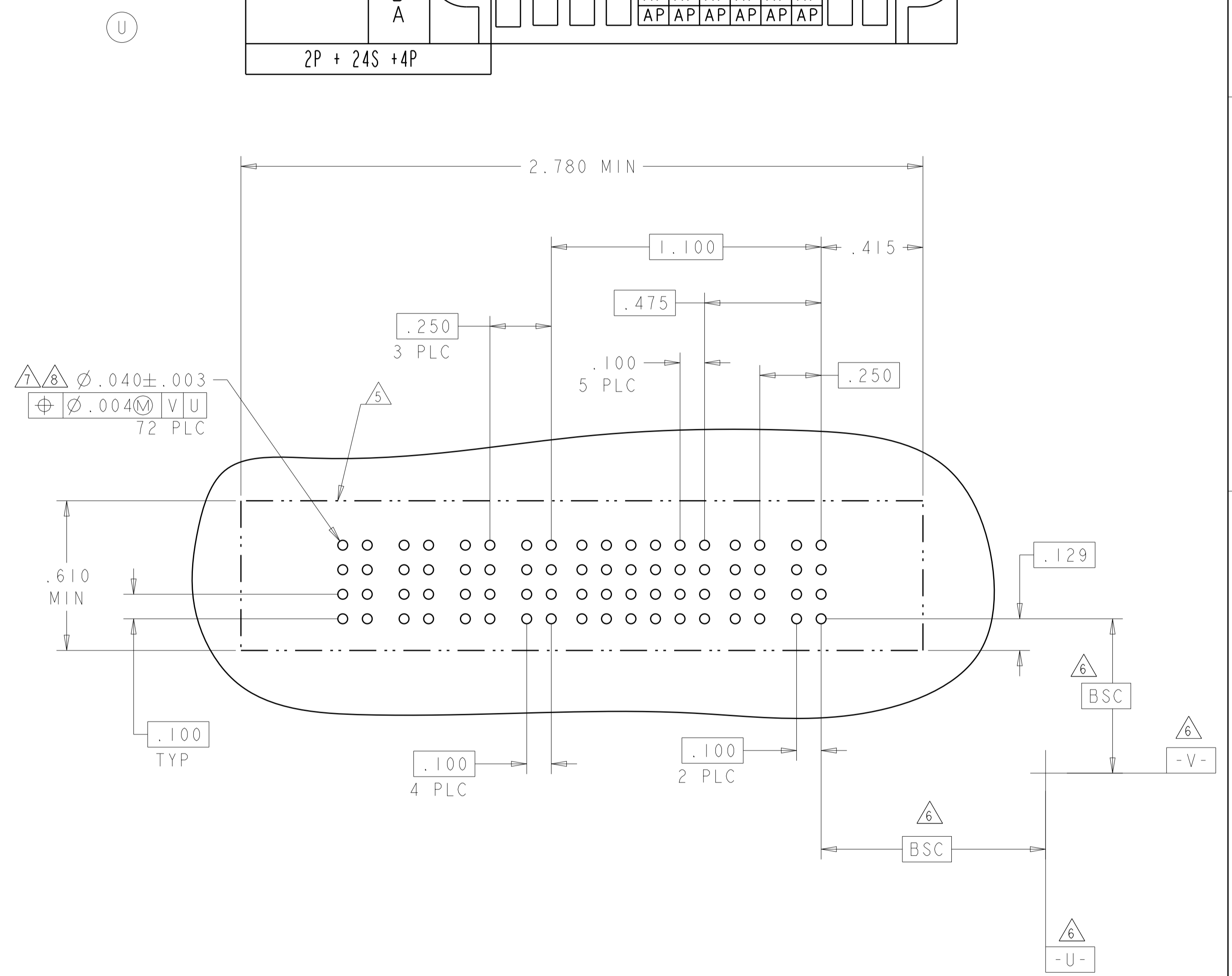
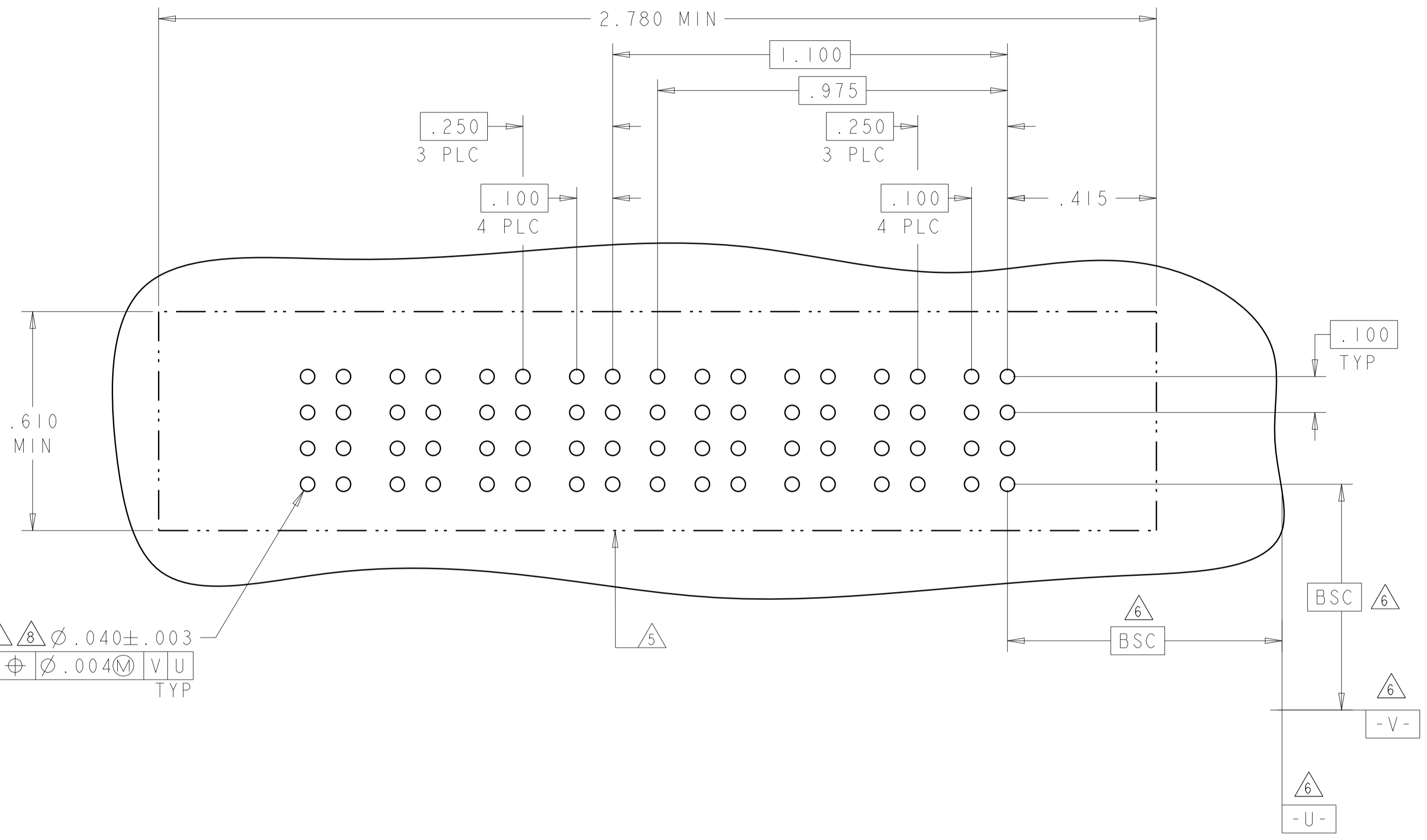


|  |  |   |                    |                               |                      |
|--|--|---|--------------------|-------------------------------|----------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN<br>R. GRZYBOWSKI<br>CHK<br>M. PERCHERKE   | 02MAY05<br>02MAY05 |                               | TE Connectivity      |
| 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° |                    |                               | NAME<br>M. PERCHERKE |
| MATERIAL                               |  | FINISH  |                    | APPLICATION SPEC<br>114-13038 | RESTRICTED TO        |
| CUSTOMER DRAWING                       |  |   |                    | SCALE<br>4:1                  | SHEET<br>21          |
|  |  |   |                    | REV<br>U3                     |                      |

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

| PART NUMBER  | ROWS             | POWER |    |    |    | SIGNAL | POWER |    |    |    |
|--------------|------------------|-------|----|----|----|--------|-------|----|----|----|
|              |                  | P8    | P7 | P6 | P5 | I      | P4    | P3 | P2 | PI |
| 4-6450550-2  | D<br>C<br>B<br>A | GS    | GS | GS | GS | AP     | GS    | GS | GS | GS |
|              |                  |       |    |    |    | AP     |       |    |    |    |
|              |                  |       |    |    |    | AP     |       |    |    |    |
| 4P + 4S + 4P |                  |       |    |    |    |        |       |    |    |    |

| PART NUMBER   | ROWS             | POWER |    |    |    | SIGNAL |    |    |    |    |    | POWER |    |    |
|---------------|------------------|-------|----|----|----|--------|----|----|----|----|----|-------|----|----|
|               |                  | P6    | P5 | P4 | P3 | 6      | 5  | 4  | 3  | 2  | 1  | P2    | PI |    |
| 4-6450550-0   | D<br>C<br>B<br>A | GP    | GP | GS | GS | AP     | AP | AP | AP | AP | AP | AP    | GP | GS |
|               |                  |       |    |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |
|               |                  |       |    |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |
|               |                  |       |    |    |    | AP     | AP | AP | AP | AP | AP |       |    |    |
| 2P + 24S + 4P |                  |       |    |    |    |        |    |    |    |    |    |       |    |    |



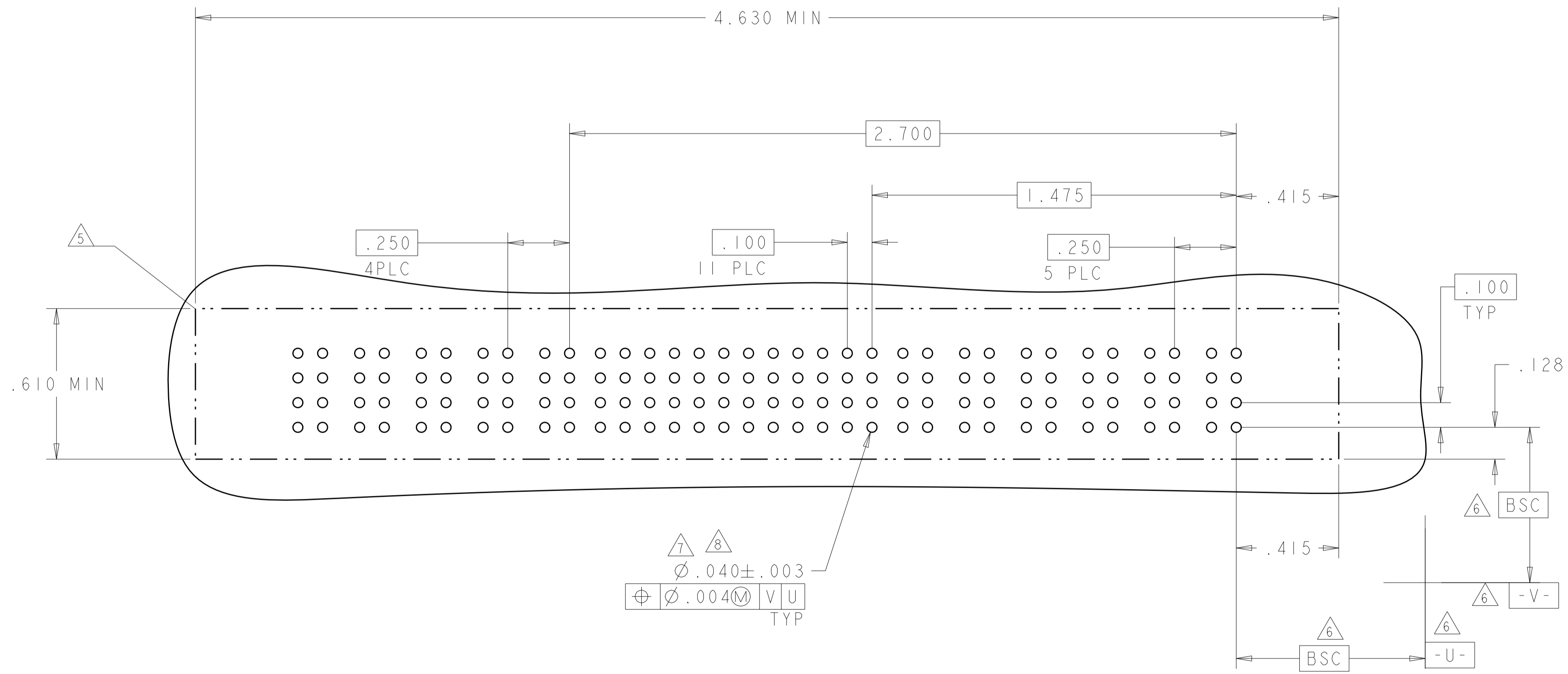
THIS DRAWING IS A CONTROLLED DOCUMENT.

|                       |  |        |   |                  |
|-----------------------|--|--------|---|------------------|
| 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° | FINISH | DMN: B. GRZYBOWSKI 02MAY05<br>CHK: M. PERCHERKE 02MAY05<br>APVD: M. PERCHERKE<br>NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES, MULTI-BEAM XL<br>PRODUCT SPEC: 108-1973<br>APPLICATION SPEC: 114-13038<br>WEIGHT: -<br>CAGE CODE: A100779<br>DRAWING NO: C=6450550 | RESTRICTED TO: - |
|-----------------------|--|--------|---|------------------|

SCALE: 4:1 SHEET 22 OF 23 REV: U3

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

| PART NUMBER | ROWS             | POWER         |     |    |    |    | SIGNAL |    |    |    |    |    |    |    |    |    | POWER |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-------------|------------------|---------------|-----|----|----|----|--------|----|----|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|             |                  | P11           | P10 | P9 | P8 | P7 | 12     | 11 | 10 | 9  | 8  | 7  | 6  | 5  | 4  | 3  | 2     | 1  | P6 | P5 | P4 | P3 | P2 | P1 |    |    |    |    |    |    |    |    |    |    |    |    |
| 7-6450550-3 | D<br>C<br>B<br>A | GS            | GS  | GS | GS | GS | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | AP | GP | GP | GP | GP | GP | GP |    |    |    |    |    |    |
|             |                  |               |     |    |    |    | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | GP | GP | GP | GP | GP | GP | GP | GP | GP | GP | GP |    |    |
|             |                  |               |     |    |    |    | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | AP | GP | GP | GP | GP | GP | GP | GP | GP | GP | GP | GP | GP |
|             |                  |               |     |    |    |    | AP     | AP | AP | AP | AP | AP | AP | AP | AP | AP | AP    | AP | AP | AP | AP | AP | AP | AP | GP | GP | GP | GP | GP | GP | GP | GP | GP | GP | GP | GP |
|             |                  | 6P + 48S + 5P |     |    |    |    |        |    |    |    |    |    |    |    |    |    |       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |



|  |  |  |                    |                        |
|--|--|--|--------------------|------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | DMN<br>R. GRZYBOWSKI<br>CHK<br>M. PERCHERKE<br>APVD<br>M. PERCHERKE      | 02MAY05<br>02MAY05 | <b>TE</b> Connectivity |
| DIMENSIONS:<br>INCHES  |  | NAME<br>VERTICAL RECEPTACLE ASSEMBLY<br>WITH GUIDES, MULTI-BEAM XL       |                    |                        |
| 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° |  | PRODUCT SPEC<br>108-1973<br>APPLICATION SPEC<br>114-13038<br>WEIGHT<br>- |                    | RESTRICTED TO          |
| MATERIAL<br>FINISH   |  | SIZE<br>A100779<br>CAGE CODE<br>C=6450550                                |                    | REV<br>U3              |
| CUSTOMER DRAWING   |  | SCALE<br>4:1   |                    | SHEET<br>23 OF 23      |