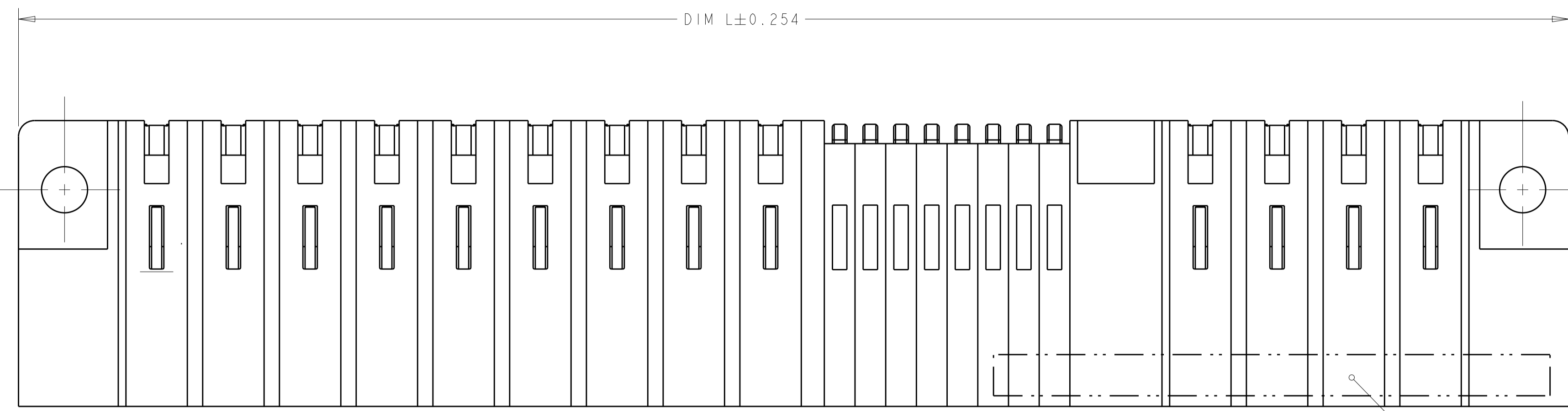
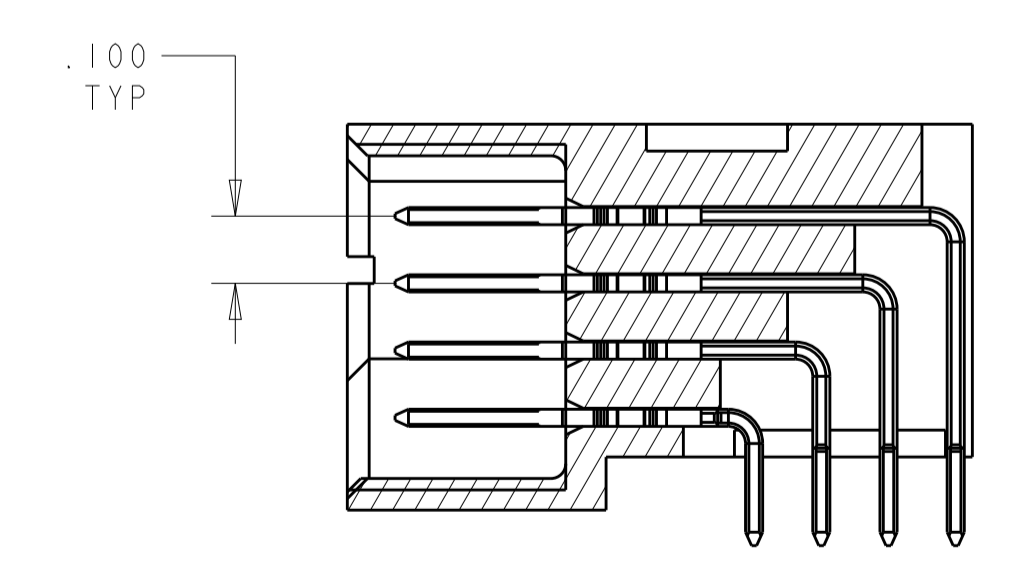
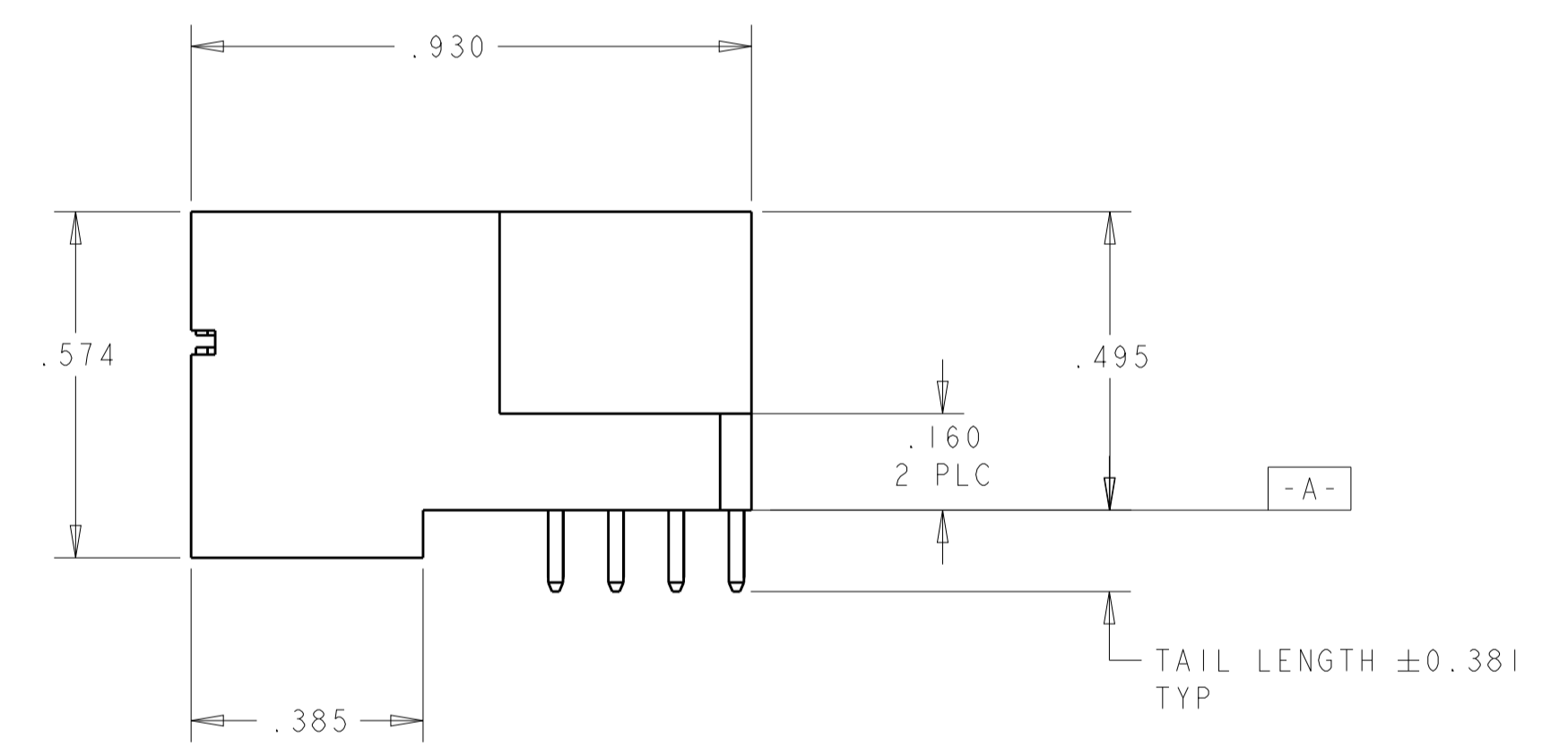
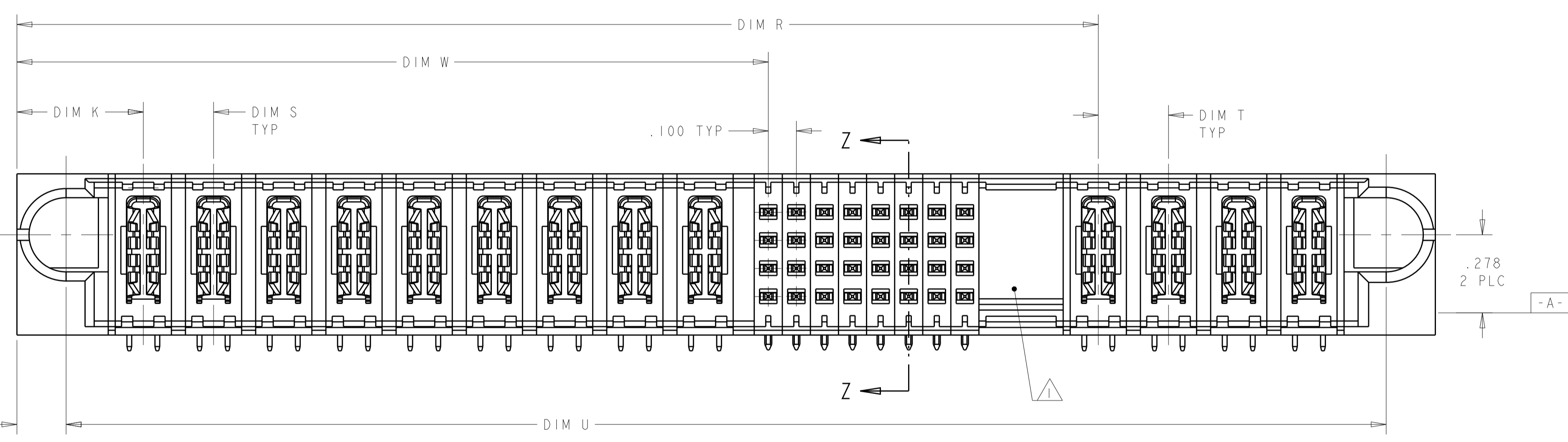


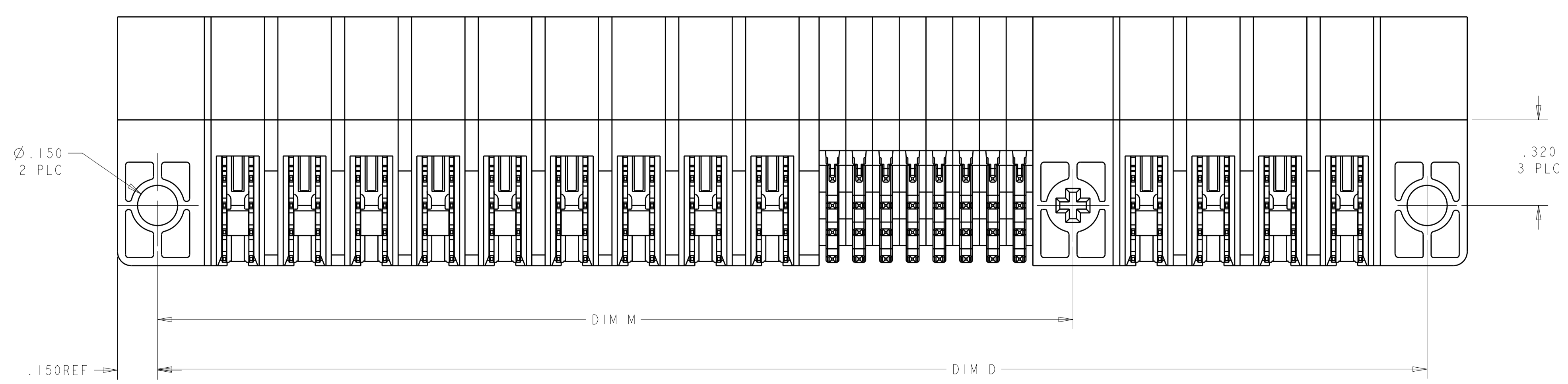
| LOC | DIST | REVISIONS |     |                           |           |     |      |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
|     |      | P         | LTN | DESCRIPTION               | DATE      | DMN | APVD |
| ES  | 00   | M         |     | ADDED NEW DASH NUMBER 7-0 | 27DEC2013 | CZ  | SZ   |
|     |      | R1        |     | ADDED NEW DASH NUMBER 7-2 | 29JUN2015 | CZ  | SZ   |
|     |      | R2        |     | ADDED NEW DASH NUMBER 7-3 | 28JUL2015 | CZ  | SZ   |
|     |      | R3        |     | REV PER ECO-17-001492     | 03FEB2017 | WY  | SZ   |



- 1 OPTIONAL CENTER MODULE WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE.
- 2 "AMP", PART NUMBER, AND DATECODE TO BE MARKED IN AREA SHOWN. PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES.
- 3 MATERIAL:  
HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0  
SIGNAL CONTACT - 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 - HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- 8 PCB - .0453±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 DIA HOLE.
- 10 VARIABLE DIMENSIONS SHOWN ON VIEW ( SHEET 5,11)



SECTION Z-Z



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 ±.020 | DMN<br>R. GRZYBOWSKI<br>CHK<br>M. PERCHERKE<br>APVD<br>M. PERCHERKE | 28FEB05<br>28FEB05            | TE Connectivity<br><b>RIGHT ANGLE HEADER ASSEMBLY<br/>                 SOLDER TAILS, W/GUIDES<br/>                 MULTI-BEAM XL</b> |
| MATERIAL              | FINISH  | PRODUCT SPEC<br>108-1973  | APPLICATION SPEC<br>114-13038 |  |
| CUSTOMER DRAWING      |   | SIZE<br>A1  | CAGE CODE<br>6450330          | RESTRICTED TO  |

SCALE 4:1 SHEET 1 OF 20 REV 3

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

|       |      |      |       |       |       |   |       |      |                      |             |
|-------|------|------|-------|-------|-------|---|-------|------|----------------------|-------------|
| 1.575 | -    | -    | 1.425 | .700  | 1.625 | - | 1.925 | .475 | IP + 24S + 1P        | 6-6450330-7 |
| 1.575 | -    | -    | 1.425 | .700  | 1.625 | - | 1.925 | .475 | IP + 24S + 1P        | 6-6450330-6 |
| 1.800 | -    | -    | 1.700 | .625  | 1.850 | - | 2.150 | .450 | IP + 40S + 1P        | 6-6450330-5 |
| 1.550 | .250 | .250 | 1.200 | .900  | 1.600 | - | 1.900 | .450 | 2P + 8S + 2P         | 6-6450330-4 |
| 1.300 | -    | -    | 1.200 | .675  | 1.350 | - | 1.650 | .450 | IP + 16S + 1P        | 6-6450330-3 |
| 2.300 | .250 | .250 | 1.700 | 1.175 | 2.350 | - | 2.650 | .450 | 3P + 16S + 3P        | 6-6450330-1 |
| 7.350 |      |      | 5.225 | 3.925 | 7.400 | - | 7.700 | .475 | 12P + 48S + 8P       | 6-6450330-0 |
| 2.600 | .250 | .250 | 2.250 | 1.925 | 2.650 | - | 2.950 | .450 | 6P + 8S + 2P         | 5-6450330-9 |
| 4.500 | .300 | .300 | 2.875 | 2.175 | 4.550 | - | 4.850 | .475 | 6ACP + 24S + 6ACP    | 5-6450330-8 |
| 2.400 | .200 | .200 | 2.100 | .825  | 2.450 | - | 2.750 | .450 | 2P + 48S + 2P        | 5-6450330-7 |
| 1.700 | .250 | .250 | 1.350 | .875  | 1.750 | - | 2.050 | .450 | 2P + 16S + 2P        | 5-6450330-6 |
| 1.200 | -    | -    | 1.100 | .625  | 1.250 | - | 1.550 | .450 | IP + 16S + 1P        | 5-6450330-5 |
| 3.550 | .200 |      | 2.225 | 1.925 | 3.600 | - | 3.900 | .500 | 7P + 8S + 7P         | 5-6450330-4 |
| 2.900 | .250 | .250 | 2.050 | 1.375 | 2.950 | - | 3.250 | .450 | 4P + 24S + 4P        | 5-6450330-3 |
| 2.400 | .250 | .250 | 1.800 | 1.125 | 2.450 | - | 2.750 | .450 | 3P + 24S + 3P        | 5-6450330-2 |
| 1.700 | .250 | .250 | 1.350 | .875  | 1.750 | - | 2.050 | .450 | 2P + 16S + 2P        | 5-6450330-1 |
| 2.800 | .250 | .300 | 2.075 | 1.375 | 2.850 | - | 3.150 | .450 | 4P + 24S + 3ACP      | 5-6450330-0 |
| 1.700 | .250 | .250 | 1.350 | .875  | 1.750 | - | 2.050 | .450 | 2P + 16S + 2P        | 4-6450330-9 |
| 1.575 | .250 | .250 | 1.425 | .700  | 1.625 | - | 1.925 | .475 | IP + 24S + 1P        | 4-6450330-7 |
| 1.600 | .250 | .250 | 1.250 | .925  | 1.650 | - | 1.950 | .450 | 2P + 8S + 2P         | 4-6450330-6 |
| 2.400 | .250 | .250 | 2.050 | 1.375 | 2.450 | - | 2.750 | .450 | 4P + 24S + 2P        | 4-6450330-2 |
| 2.400 | .250 | .250 | 1.800 | 1.125 | 2.450 | - | 2.750 | .450 | 3P + 24S + 3P        | 3-6450330-9 |
| 3.000 | .250 | .250 | 2.150 | 1.425 | 3.050 | - | 3.350 | .450 | 4P + 24S + 4P        | 3-6450330-7 |
| 2.400 | .250 | .250 | 1.550 | .875  | 2.450 | - | 2.750 | .450 | 2P + 24S + 4P        | 3-6450330-5 |
| .700  | -    | -    | -     | .375  | .750  | - | 1.050 | -    | 0P + 16S + 0P        | 3-6450330-1 |
| 2.800 | .300 | .250 | 1.950 | 1.275 | 2.850 | - | 3.150 | .475 | 3ACP + 24S + 4P      | 2-6450330-8 |
| 2.800 | .300 | .300 | 2.075 | 1.325 | 2.850 | - | 3.150 | .475 | 3ACP + 24S + 3ACP    | 2-6450330-6 |
| 3.300 | .250 | .250 | 2.450 | 1.375 | 3.350 | - | 3.650 | .450 | 4P + 40S + 4P        | 2-6450330-3 |
| 2.700 | .200 | .200 | 2.000 | 1.225 | 2.750 | - | 3.050 | .450 | 4P + 28S + 4P        | 1-6450330-8 |
| 2.000 | .250 | .250 | 1.650 | .925  | 2.050 | - | 2.350 | .450 | 2P + 24S + 2P        | 1-6450330-4 |
| 3.150 | .250 | .250 | 2.300 | 1.625 | 3.200 | - | 3.500 | .450 | 5P + 24S + 4P        | 1-6450330-3 |
| .900  | -    | -    | -     | .375  | .950  | - | 1.250 | -    | 0P + 24S + 0P        | 1-6450330-2 |
| 1.575 | .250 | .250 | 1.425 | .700  | 1.625 | - | 1.925 | .475 | IP + 24S + 1P        | 1-6450330-1 |
| 4.000 |      |      | 2.750 | 2.075 | 4.050 | - | 4.350 | .450 | 2ACP + 5P + 24S + 6P | 1-6450330-0 |
| 2.800 | .250 | .250 | 1.950 | 1.375 | 2.850 | - | 3.150 | .450 | 4P + 20S + 4P        | 6450330-9   |
| 1.575 | .250 | .250 | 1.425 | .700  | 1.625 | - | 1.925 | .475 | IP + 24S + 1P        | 6450330-8   |
| 3.300 | .300 | .250 | 1.950 | 1.275 | 3.350 | - | 3.650 | .475 | 3ACP + 24S + 6P      | 6450330-7   |
| 1.900 | NA   | NA   | .975  | .625  | 1.950 | - | 2.250 | .450 | IP + 12S + 5P        | 6450330-6   |
| 4.000 | NA   | NA   | 2.750 | 2.075 | 4.050 | - | 4.350 | .450 | 3ACP + 4P + 24S + 6P | 6450330-5   |
| 2.550 | .300 | .250 | 2.150 | 1.525 | 2.600 | - | 2.900 | .475 | 3ACP + 1P + 24S + 2P | 6450330-4   |
| 4.350 | .250 | .250 | 3.500 | 2.625 | 4.400 | - | 4.700 | .450 | 9P + 32S + 4P        | 6450330-3   |
| 1.575 | .250 | .250 | 1.425 | .700  | 1.625 | - | 1.925 | .475 | IP + 24S + 1P        | 6450330-1   |
| U     | S    | T    | R     | W     | D     | M | L     | K    | DESCRIPTION          | PART NUMBER |

|       |      |      |       |       |       |   |       |      |                 |             |
|-------|------|------|-------|-------|-------|---|-------|------|-----------------|-------------|
| 2.000 | .250 | .250 | 1.650 | .925  | 2.050 | - | 2.350 | .450 | 2P + 24S + 2P   | 7-6450330-3 |
| 2.500 | .250 | .250 | 2.150 | 1.425 | 2.550 | - | 2.850 | .450 | 4P + 24S + 2P   | 7-6450330-2 |
| 2.400 | .250 | .250 | 1.800 | 1.125 | 2.450 | - | 2.750 | .450 | 3P + 24S + 3P   | 7-6450330-0 |
| 1.200 | -    | -    | 1.100 | .625  | 1.250 | - | 1.550 | .450 | IP + 16S + 1P   | 6-6450330-9 |
| 4.125 | .300 | .250 | 2.775 | 1.900 | 4.175 | - | 4.475 | .475 | 5ACP + 32S + 6P | 6-6450330-8 |
| U     | S    | T    | R     | W     | D     | M | L     | K    | DESCRIPTION     | PART NUMBER |

THIS DRAWING IS A CONTROLLED DOCUMENT. OWN: R. GRZYBOWSKI 28FEB05  
 CHK: M. PERCHERKE 28FEB05  
 APVD: M. PERCHERKE

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

MATERIAL FINISH

APVD: M. PERCHERKE  
 NAME: M. PERCHERKE  
 PRODUCT SPEC: 108-1973  
 APPLICATION SPEC: 114-13038

SIZE: A1  
 CAGE CODE: 100779  
 DRAWING NO: 6450330  
 WEIGHT: -  
 CUSTOMER DRAWING

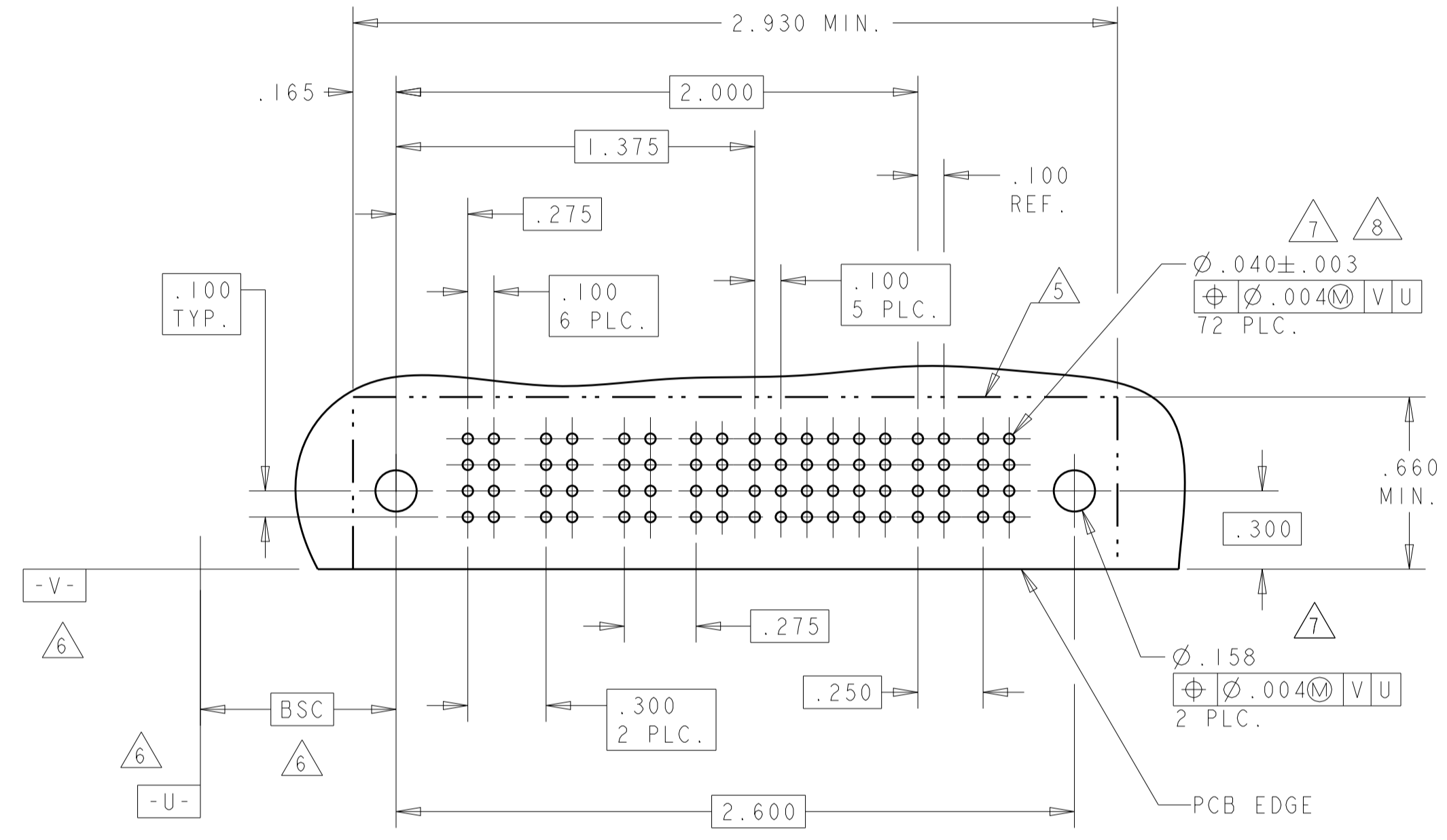
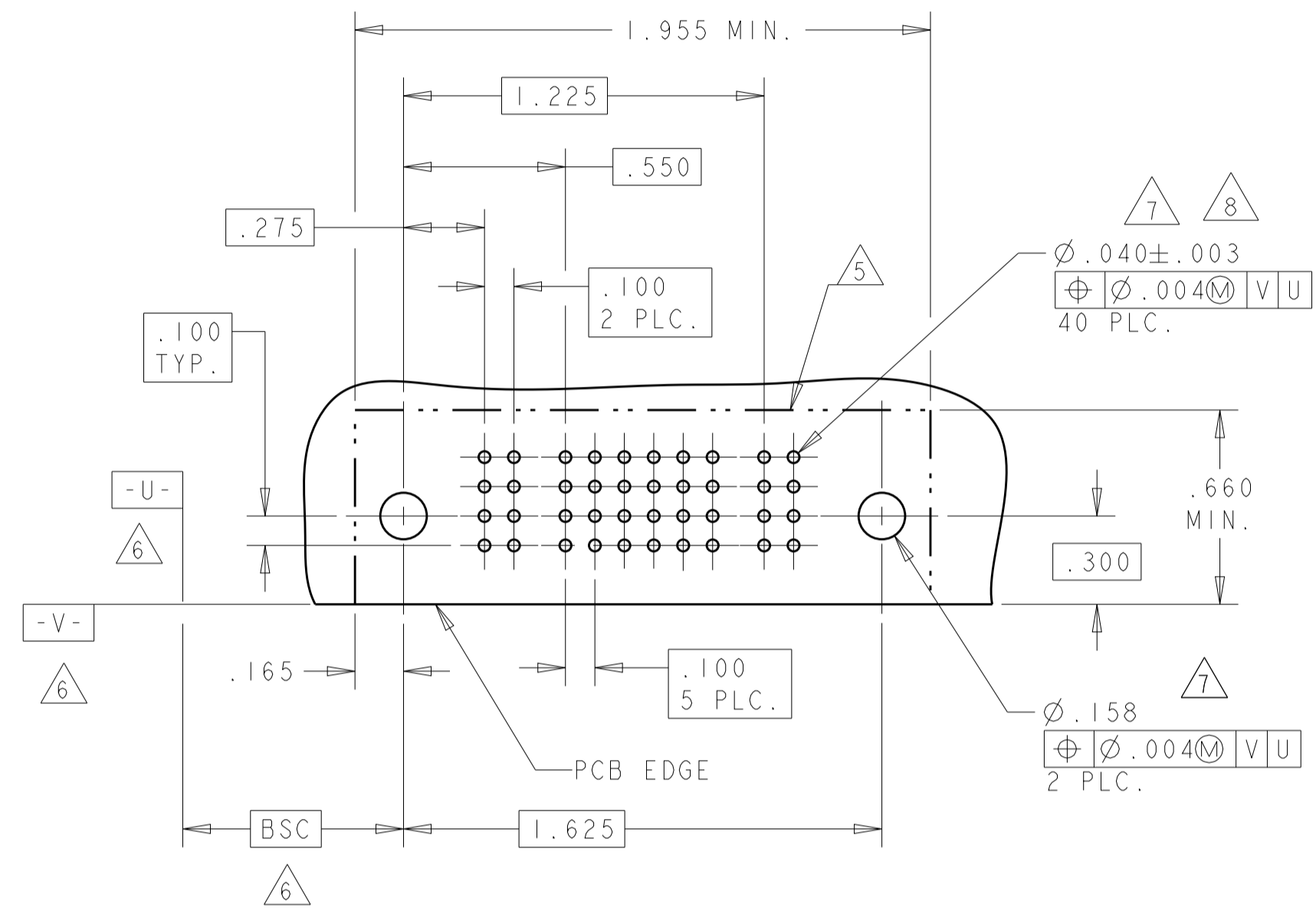
TE Connectivity  
 RIGHT ANGLE HEADER ASSEMBLY  
 SOLDER TAILS, W/GUIDES  
 MULTI-BEAM XL

SCALE: 4:1  
 SHEET: 2 OF 20  
 REV: R3

| PART NUMBER   | ROWS             | SIGNAL |   |   |   |   |   | POWER |    |
|---------------|------------------|--------|---|---|---|---|---|-------|----|
|               |                  | P1     | 1 | 2 | 3 | 4 | 5 | 6     | P2 |
| 6450330-1     | D<br>C<br>B<br>A | J      | J | J | J | J | J | PM    | PM |
|               |                  | K      | K | K | K | K | K |       |    |
|               |                  | N      | N | N | G | N | N |       |    |
|               |                  | S      | S | S | S | S | S |       |    |
| IP + 24S + IP |                  |        |   |   |   |   |   |       |    |

| PART NUMBER   | ROWS             | SIGNAL |   |   |   |   |   | POWER |    |
|---------------|------------------|--------|---|---|---|---|---|-------|----|
|               |                  | P1     | 1 | 2 | 3 | 4 | 5 | 6     | P2 |
| 4-6450330-7   | D<br>C<br>B<br>A | E      | E | E | E | E | J | PM    | PM |
|               |                  | F      | F | F | F | F | K |       |    |
|               |                  | N      | N | N | N | N | N |       |    |
|               |                  | S      | S | S | S | S | S |       |    |
| IP + 24S + IP |                  |        |   |   |   |   |   |       |    |

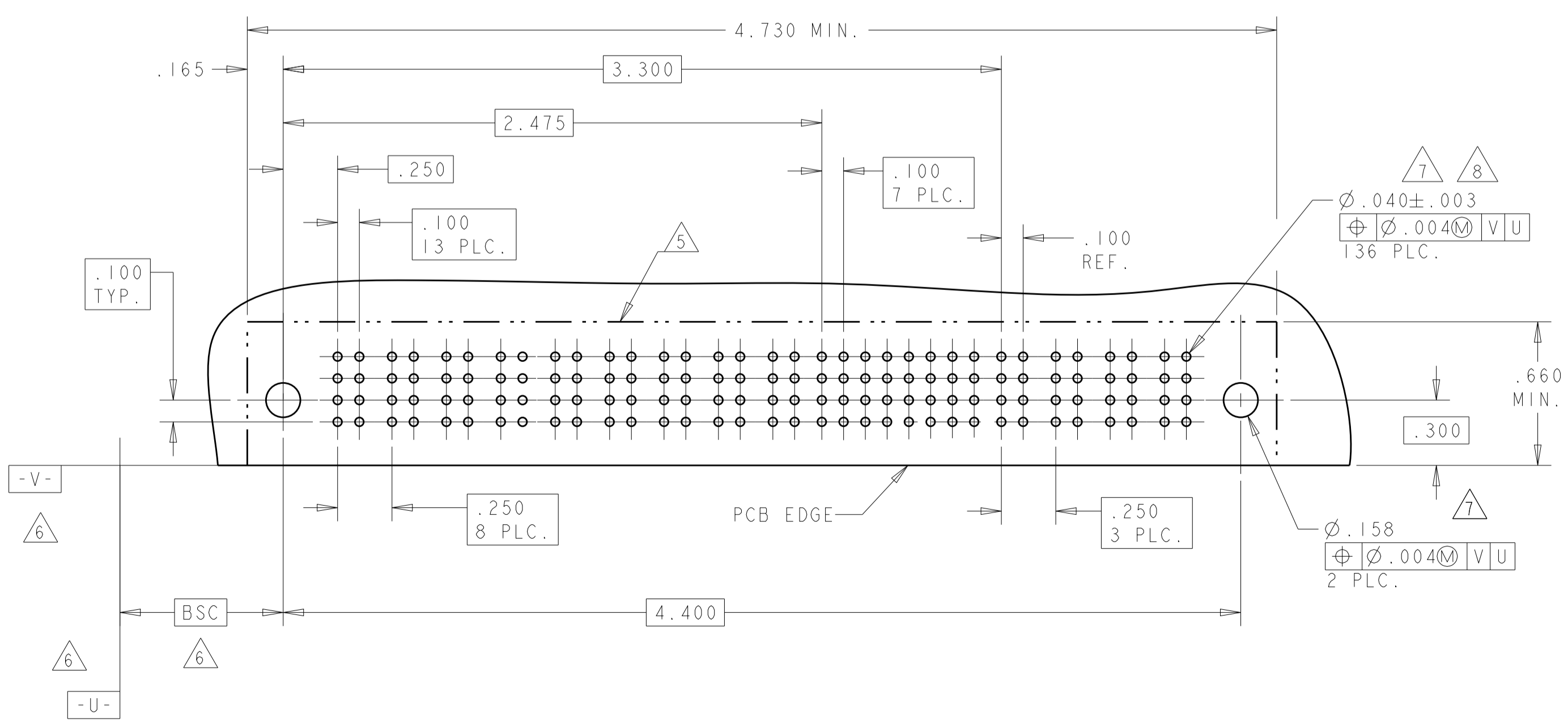
| PART NUMBER          | ROWS             | POWER |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |
|----------------------|------------------|-------|----|----|----|--------|---|---|---|---|---|-------|----|
|                      |                  | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | 6 | P5    | P6 |
| 6450330-4            | D<br>C<br>B<br>A | PM    | PM | PM | PM | E      | J | J | J | J | E | PM    | PM |
|                      |                  |       |    |    |    | K      | K | F | K | K | K |       |    |
|                      |                  |       |    |    |    | N      | N | N | N | N | N |       |    |
|                      |                  |       |    |    |    | H      | S | S | S | S | H |       |    |
| 3ACP + IP + 24S + 2P |                  |       |    |    |    |        |   |   |   |   |   |       |    |



6450330-1 AND 4-6450330-7 SHARE THE SAME LAYOUT

NO CONTACT LOADED

| PART NUMBER   | ROWS             | POWER |    |    |    |    |    |    |    | SIGNAL |   |   |   |   |   |   |   | POWER |     |     |     |     |
|---------------|------------------|-------|----|----|----|----|----|----|----|--------|---|---|---|---|---|---|---|-------|-----|-----|-----|-----|
|               |                  | P1    | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8     | P10 | P11 | P12 | P13 |
| 6450330-3     | D<br>C<br>B<br>A | PM    | PM | PM | PM | PM | PM | PM | PM | PM     | J | J | J | J | J | E | E | E     | PM  | PM  | PM  | PM  |
|               |                  |       |    |    |    |    |    |    |    |        | K | K | K | K | K | K | K | K     |     |     |     |     |
|               |                  |       |    |    |    |    |    |    |    |        | N | N | N | N | N | N | N | N     |     |     |     |     |
|               |                  |       |    |    |    |    |    |    |    |        | S | S | S | S | S | S | S | S     |     |     |     |     |
| 9P + 32S + 4P |                  |       |    |    |    |    |    |    |    |        |   |   |   |   |   |   |   |       |     |     |     |     |



| CODE | MATING SEQUENCE | TAIL LENGTH | ROW |
|------|-----------------|-------------|-----|
| FS   | MFBL            | .135        | A   |
| Z    | STD             | .090        | D   |
| Y    | STD             | .090        | C   |
| R    | STD             | .090        | B   |
| O    | STD             | .090        | A   |
| A4   | MLBF            | .090        | D   |
| A3   | MLBF            | .090        | C   |
| A2   | MLBF            | .090        | B   |
| A1   | MLBF            | .090        | A   |
| FS   | MFBL            | .135        | A   |
| E    | MLBF            | .135        | D   |
| F    | MLBF            | .135        | C   |
| G    | MLBF            | .135        | B   |
| H    | MLBF            | .135        | A   |
| J    | STD             | .135        | D   |
| K    | STD             | .135        | C   |
| N    | STD             | .135        | B   |
| S    | STD             | .135        | A   |

| CODE | TAIL LENGTH |
|------|-------------|
| PA   | .090        |
| PM   | .135        |

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 ±.002, ANGLES ±.020. MATERIAL: FINISH: THIS DRAWING IS A CONTROLLED DOCUMENT. DWG: R.GRZYBOWSKI, 28FEB05, CHK: M.PERCHEKKE, 28FEB05, APVD: M.PERCHEKKE, NAME: M.PERCHEKKE, PRODUCT SPEC: 108-1973, APPLICATION SPEC: 114-13038, WEIGHT: A100779, SCALE: 4:1, SHEET 3 OF 20, REV: R3.

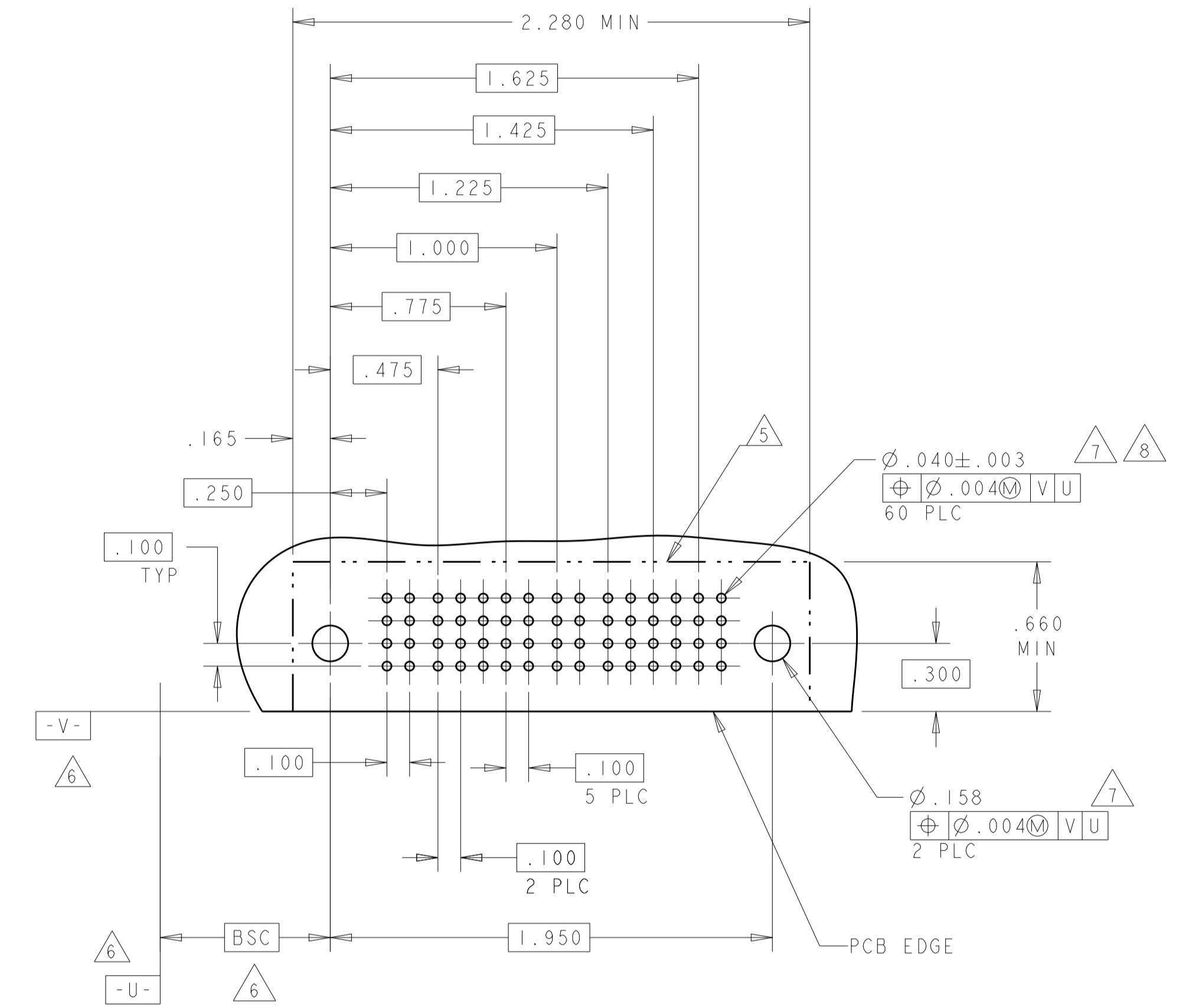
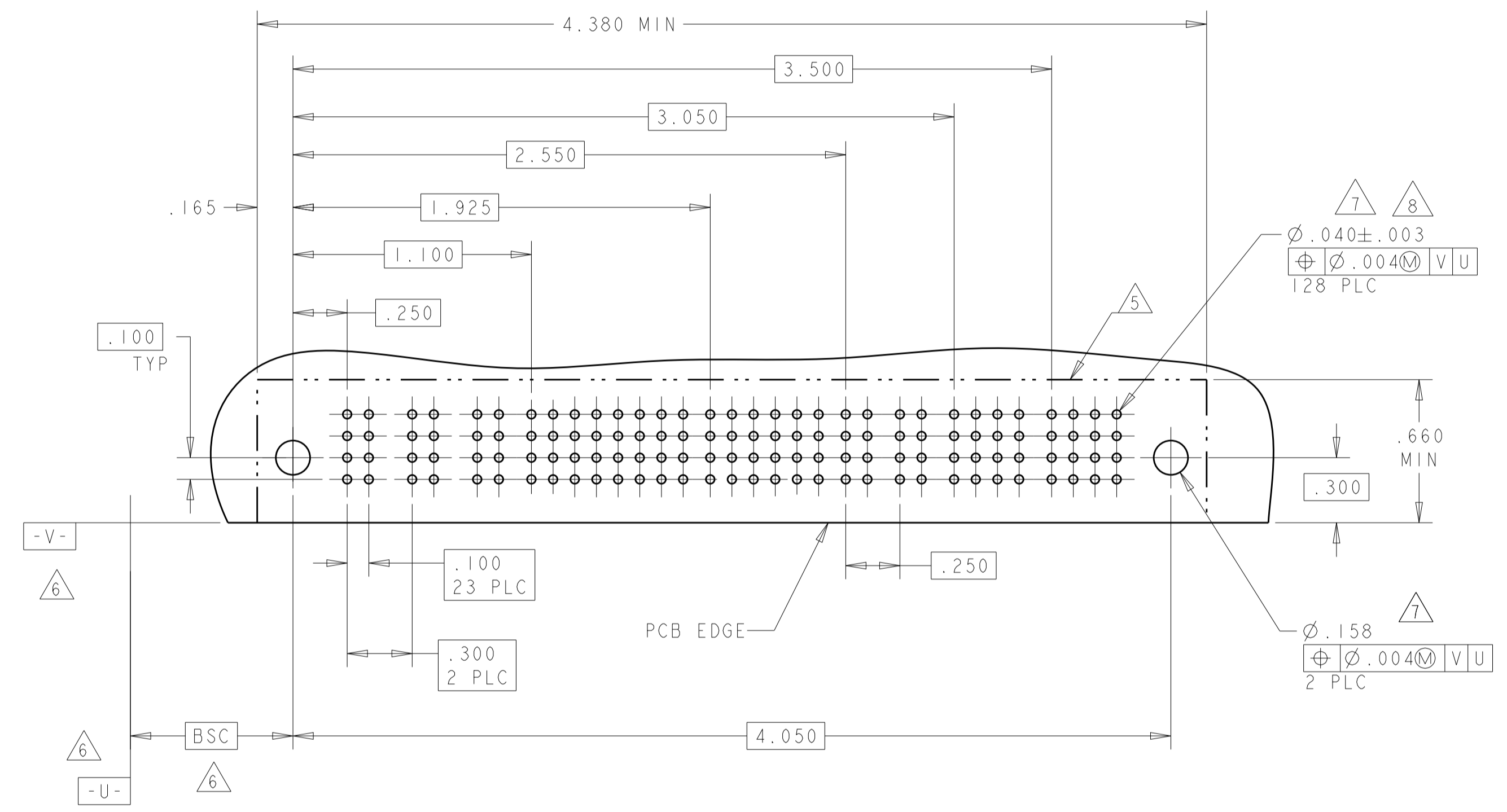
**STE** TE Connectivity  
RIGHT ANGLE HEADER ASSEMBLY  
SOLDER TAILS, W/GUIDES  
MULTI-BEAM XL



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

| PART NUMBER          | ROWS | POWER |    |    |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |     |     |     |     |  |
|----------------------|------|-------|----|----|----|----|----|--------|---|---|---|---|---|-------|----|----|-----|-----|-----|-----|--|
|                      |      | P1    | P2 | P3 | P4 | P5 | P6 | P7     | 1 | 2 | 3 | 4 | 5 | 6     | P8 | P9 | P10 | P11 | P12 | P13 |  |
| 6450330-5            | D    | PM    | PM | PM | PM | PM | PM | J      | J | J | J | J | J | PM    | PM | PM | PM  | PM  | PM  |     |  |
|                      | K    |       |    |    |    |    |    | K      | K | K | K | K |   |       |    |    |     |     |     |     |  |
|                      | N    |       |    |    |    |    |    | N      | N | N | N | N |   |       |    |    |     |     |     |     |  |
|                      | S    |       |    |    |    |    |    | S      | S | S | S | H |   |       |    |    |     |     |     |     |  |
| 3ACP + 4P + 24S + 6P |      |       |    |    |    |    |    |        |   |   |   |   |   |       |    |    |     |     |     |     |  |

| PART NUMBER   | ROWS | POWER |    |    | SIGNAL |    |    | POWER |    |    |    |    |    |
|---------------|------|-------|----|----|--------|----|----|-------|----|----|----|----|----|
|               |      | P1    | 1  | 2  | 3      | P2 | P3 | P4    | P5 | P6 |    |    |    |
| 6450330-6     | D    | PM    | PM | PM | PM     | J  | J  | J     | PM | PM | PM | PM | PM |
|               | K    |       |    |    |        | K  | K  |       |    |    |    |    |    |
|               | N    |       |    |    |        | N  | N  |       |    |    |    |    |    |
|               | S    |       |    |    |        | S  | S  |       |    |    |    |    |    |
| 1P + 12S + 5P |      |       |    |    |        |    |    |       |    |    |    |    |    |



|   |  |                             |  |
|---|--|-----------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DMN: R.GRZYBOWSKI 28FEB05   | <br>TE Connectivity  |
| DIMENSIONS: INCHES  |  | CHK: M.PERCHEKKE 28FEB05    |  |
| <br>0 PLC ±<br>1 PLC ±.01<br>2 PLC ±.005<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.020<br>FINISH |  | APVD: M.PERCHEKKE           | NAME: RIGHT ANGLE HEADER ASSEMBLY SOLDER TAILS, W/GUIDES MULTI-BEAM XL |
| MATERIAL:   |  | PRODUCT SPEC: 108-1973      | SIZE: A1   |
|   |  | APPLICATION SPEC: 114-13038 | CAGE CODE: 100779  |
|   |  | WEIGHT:                     | DRAWING NO: 6450330  |
|   |  | CUSTOMER DRAWING            | SCALE: 4:1 SHEET 4 OF 20 REV: R3                                       |

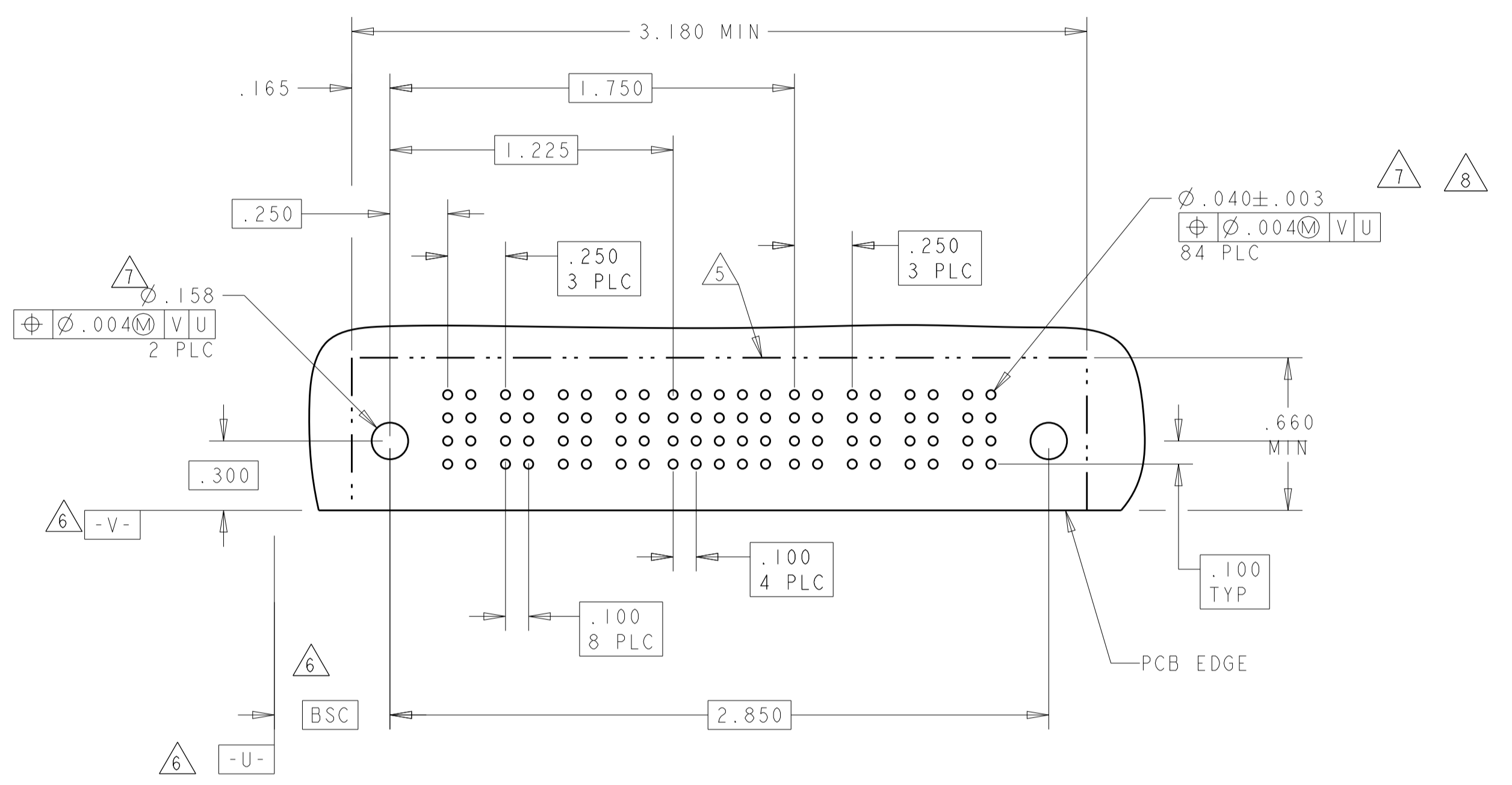
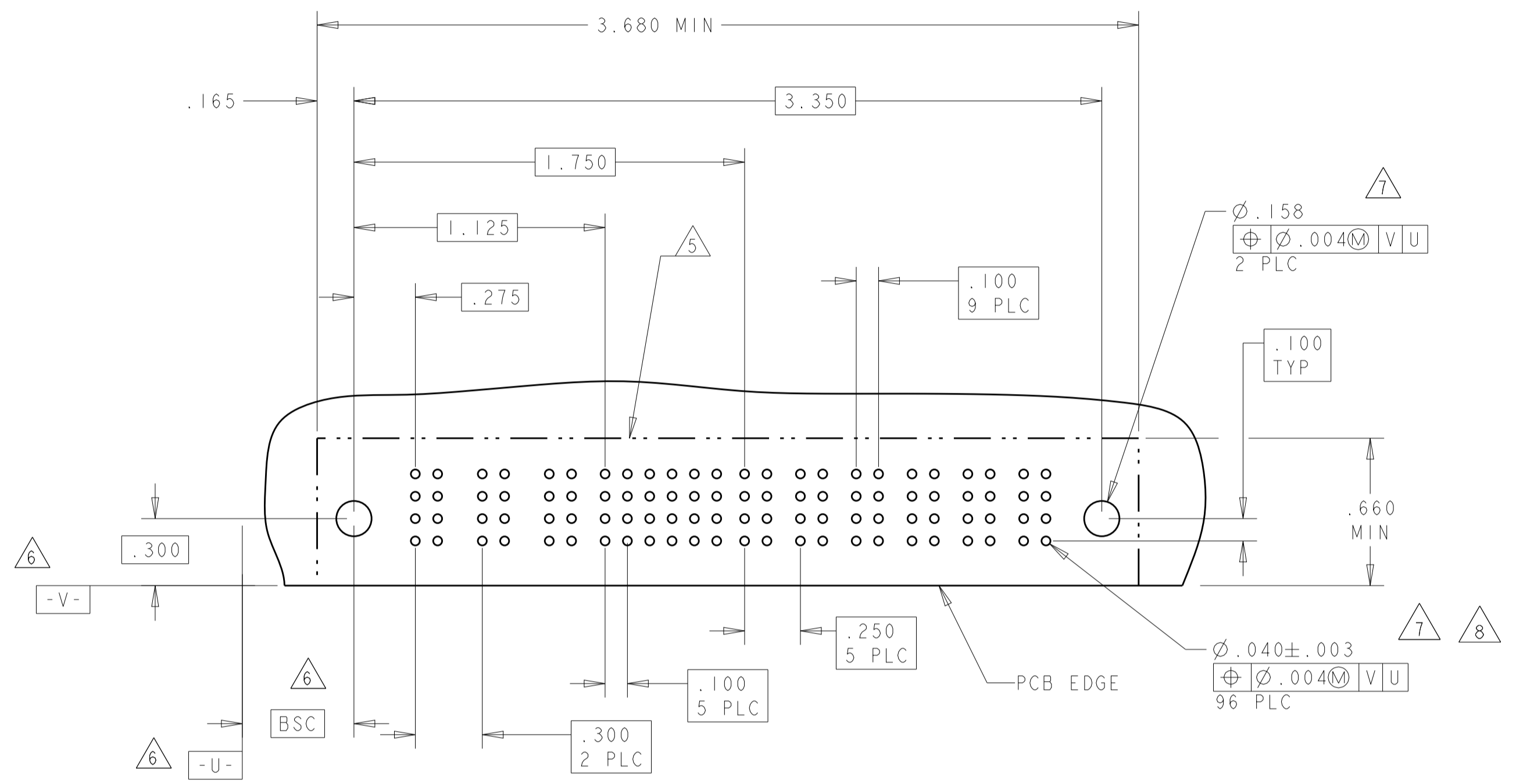
| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | DMN | APVD |
| ES  | 00   | SEE SHEET 1 |      |     |      |

| PART NUMBER | ROWS | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |    |    |    |
|-------------|------|-------|----|----|--------|---|---|---|---|---|-------|----|----|----|----|----|----|
|             |      | P1    | P2 | P3 | 1      | 2 | 3 | 4 | 5 | 6 | P4    | P5 | P6 | P7 | P8 | P9 |    |
| 6450330-7   | D    | PM    | PM | PM | J      | J | J | J | J | J | PM    | PM | PM | PM | PM | PM | PM |
|             | C    |       |    |    | K      | K | K | K | K | K |       |    |    |    |    |    |    |
|             | B    |       |    |    | N      | N | N | N | N | N |       |    |    |    |    |    |    |
| A           |      |       |    |    | H      | S | S | S | S | S |       |    |    |    |    |    |    |

3ACP + 24S + 6P

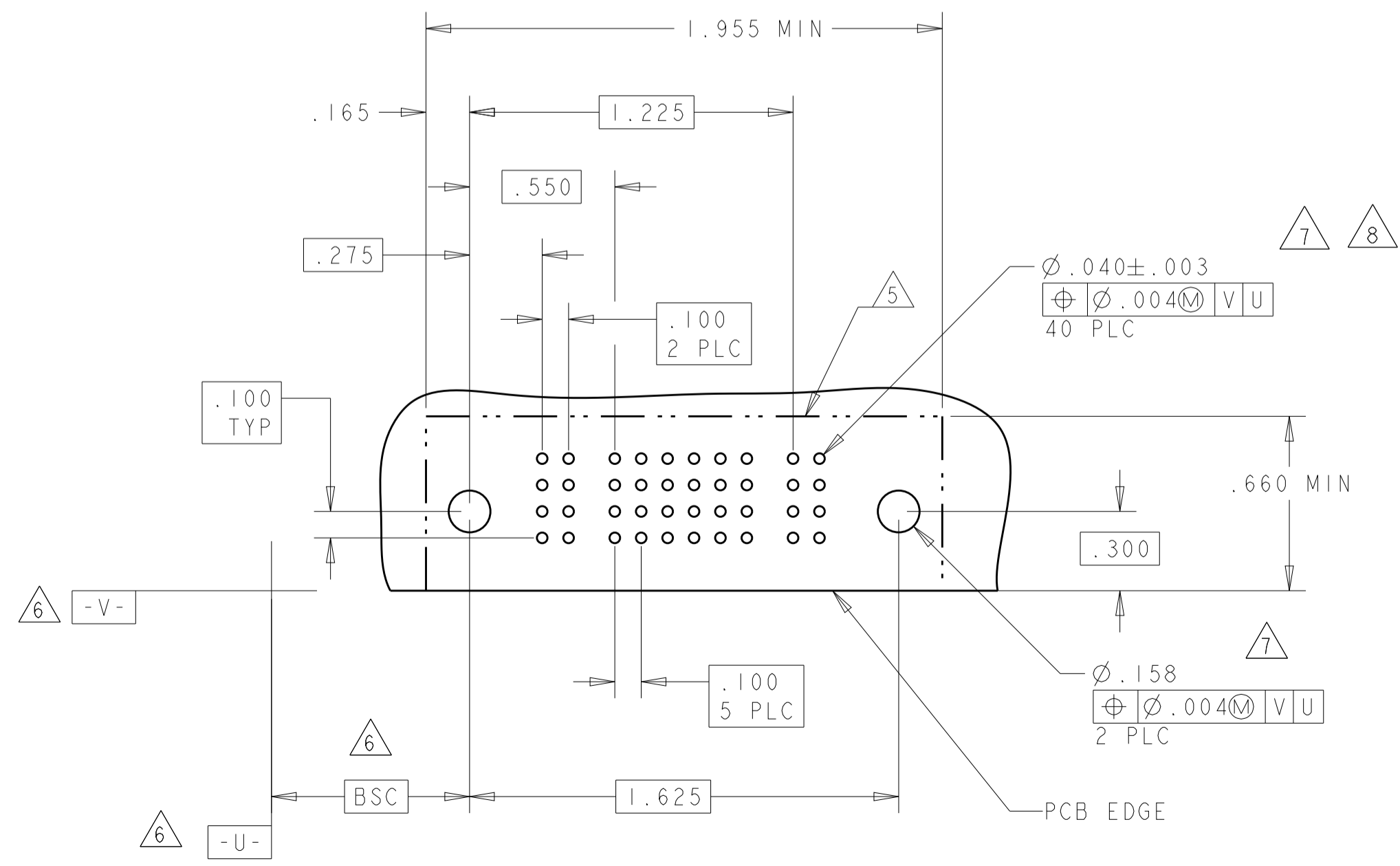
| PART NUMBER | ROWS | POWER |    |    |    | SIGNAL |   |   |   |   | POWER |    |    |    |    |
|-------------|------|-------|----|----|----|--------|---|---|---|---|-------|----|----|----|----|
|             |      | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | P5    | P6 | P7 | P8 |    |
| 6450330-9   | D    | PM    | PM | PM | PM | J      | J | J | J | J | PM    | PM | PM | PM | PM |
|             | C    |       |    |    |    | K      | K | K | K | K |       |    |    |    |    |
|             | B    |       |    |    |    | N      | N | G | N | N |       |    |    |    |    |
| A           |      |       |    |    | S  | S      | S | S | S |   |       |    |    |    |    |

4P + 20S + 4P



| PART NUMBER | ROWS | POWER |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |
|-------------|------|-------|----|--------|---|---|---|---|---|-------|----|----|----|
|             |      | P1    | P2 | 1      | 2 | 3 | 4 | 5 | 6 | P1    | P2 |    |    |
| 6450330-8   | D    | PM    | PM | J      | J | J | J | J | J | PM    | PM | PM | PM |
|             | C    |       |    | K      | K | K | K | K | K |       |    |    |    |
|             | B    |       |    | N      | N | G | G | N | G |       |    |    |    |
|             | A    |       |    | S      | S | H | S | S | S |       |    |    |    |

1P + 24S + 1P

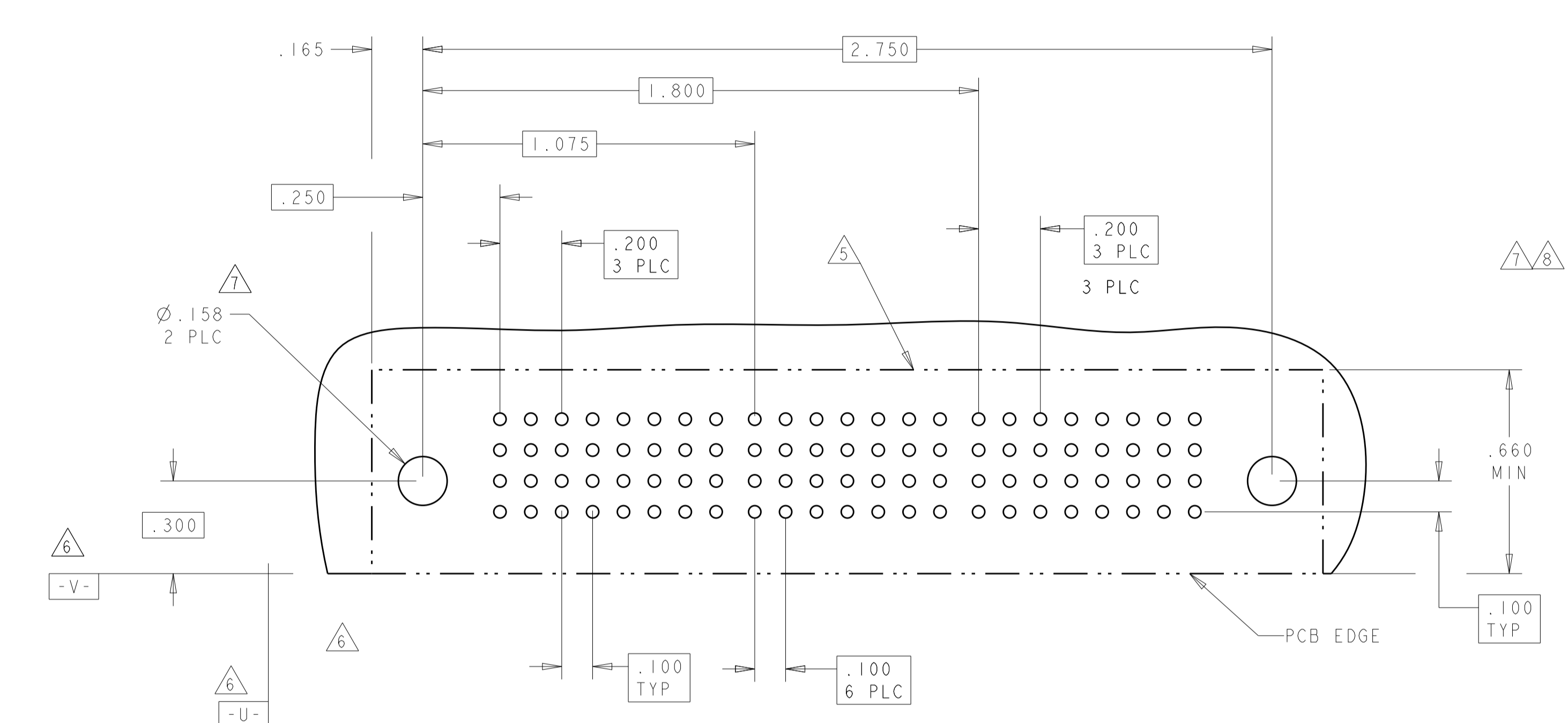
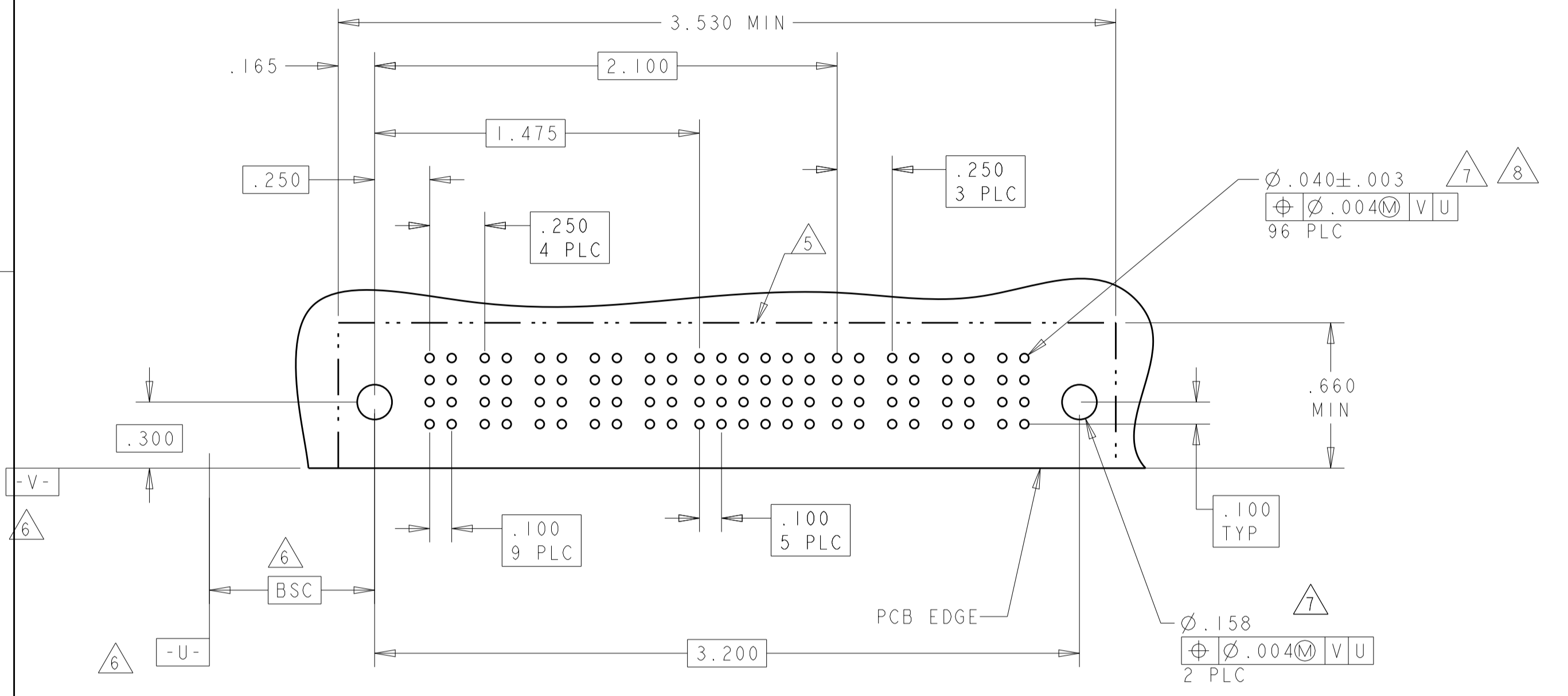


|   |  |  |                 |
|---|--|--|-----------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DMN: R.GRZYBOWSKI 28FEB05  | TE Connectivity |
| DIMENSIONS: INCHES  |  | CHK: M.PERCHEKKE 28FEB05   |                 |
| DIMENSIONS: INCHES<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.002<br>ANGLES ±.2° |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>APVD: M.PERCHEKKE<br>NAME: RIGHT ANGLE HEADER ASSEMBLY<br>PRODUCT SPEC: 108-1973<br>APPLICATION SPEC: 114-13038<br>WEIGHT: -<br>MATERIAL: -<br>FINISH: - |                 |
| MATERIAL: -   |  | SIZE: A100779<br>CAGE CODE: -<br>DRAWING NO: 6450330<br>CUSTOMER DRAWING: -<br>SCALE: 4:1<br>SHEET: 5 OF 20<br>REV: R3   |                 |



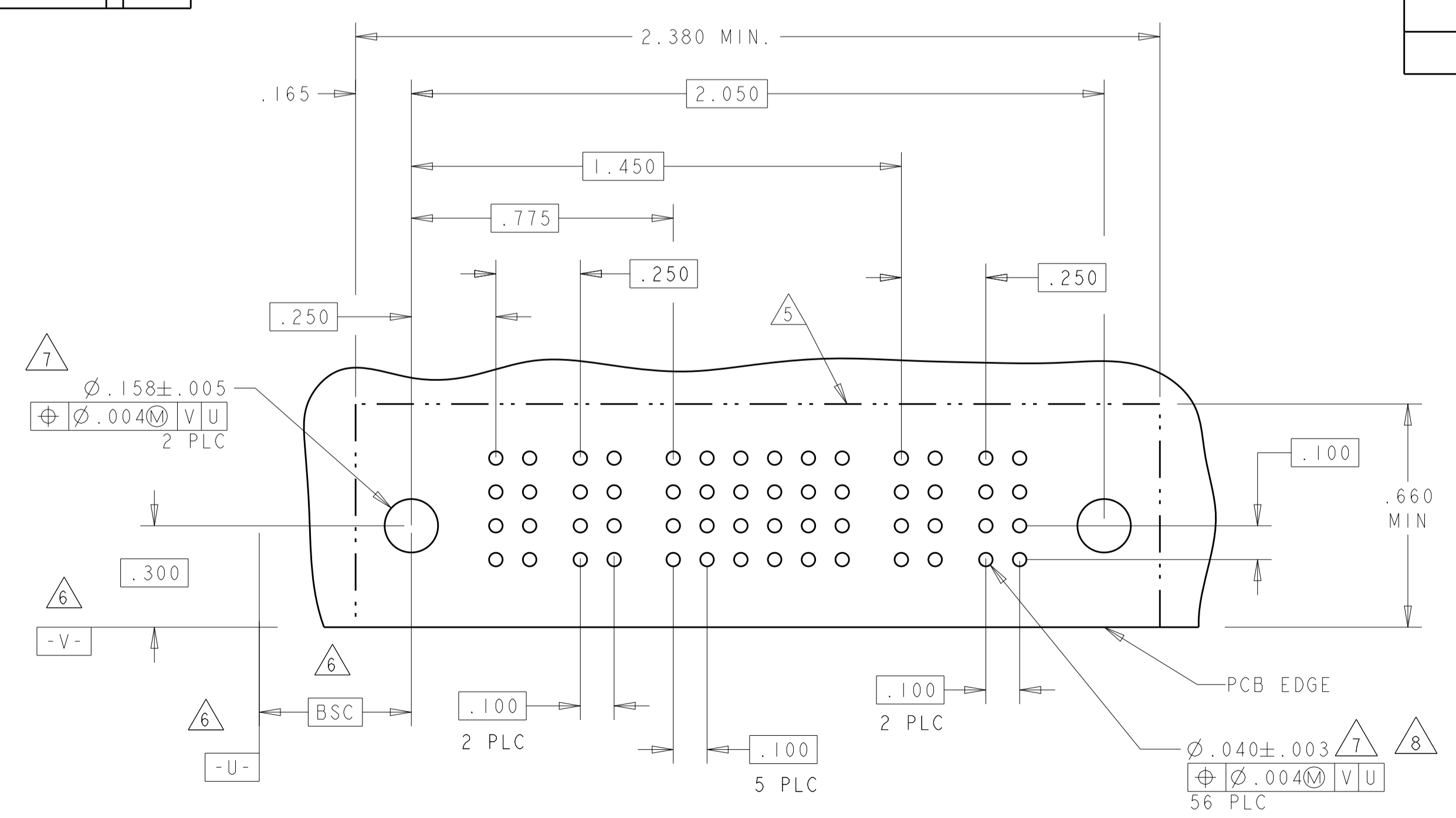
| PART NUMBER   | ROWS             | POWER |    |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |
|---------------|------------------|-------|----|----|----|----|--------|---|---|---|---|---|-------|----|----|----|
|               |                  | P1    | P2 | P3 | P4 | P5 | 1      | 2 | 3 | 4 | 5 | 6 | P6    | P7 | P8 | P9 |
| I-6450330-3   | D<br>C<br>B<br>A | PA    | PA | PA | PA | PA | Z      | Z | Z | Z | Z | Z | PA    | PA | PA | PA |
|               |                  | Y     | Y  | Y  | Y  | Y  | Y      |   |   |   |   |   |       |    |    |    |
|               |                  | R     | R  | R  | R  | R  | R      |   |   |   |   |   |       |    |    |    |
|               |                  | A1    | A1 | A1 | A1 | O  | O      |   |   |   |   |   |       |    |    |    |
| 5P + 24S + 4P |                  |       |    |    |    |    |        |   |   |   |   |   |       |    |    |    |

| PART NUMBER   | ROWS             | POWER |    |    |    | SIGNAL |   |   |   |   |   |   | POWER |    |    |    |
|---------------|------------------|-------|----|----|----|--------|---|---|---|---|---|---|-------|----|----|----|
|               |                  | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | 6 | 7 | P5    | P6 | P7 | P8 |
| I-6450330-8   | D<br>C<br>B<br>A | PM    | PM | PM | PM | J      | J | J | J | J | J | J | PM    | PM | PM | PM |
|               |                  | K     | K  | K  | K  | K      | K | K |   |   |   |   |       |    |    |    |
|               |                  | N     | N  | N  | G  | N      | N | N |   |   |   |   |       |    |    |    |
|               |                  | S     | S  | S  | S  | S      | S | S |   |   |   |   |       |    |    |    |
| 4P + 28S + 4P |                  |       |    |    |    |        |   |   |   |   |   |   |       |    |    |    |



| PART NUMBER   | ROWS             | POWER |    | SIGNAL |   |   |   |   |   | POWER |    |
|---------------|------------------|-------|----|--------|---|---|---|---|---|-------|----|
|               |                  | P1    | P2 | 1      | 2 | 3 | 4 | 5 | 6 | P3    | P4 |
| I-6450330-4   | D<br>C<br>B<br>A | PM    | PM | J      | J | E | J | J | J | PM    | PM |
|               |                  | K     | K  | K      | K | K | K |   |   |       |    |
|               |                  | N     | N  | G      | N | N | N |   |   |       |    |
|               |                  | S     | S  | S      | S | S | S |   |   |       |    |
| 2P + 24S + 2P |                  |       |    |        |   |   |   |   |   |       |    |

| PART NUMBER   | ROWS             | POWER |    | SIGNAL |   |   |   |   |   | POWER |    |
|---------------|------------------|-------|----|--------|---|---|---|---|---|-------|----|
|               |                  | P1    | P2 | 1      | 2 | 3 | 4 | 5 | 6 | P3    | P4 |
| 7-6450330-3   | D<br>C<br>B<br>A | PM    | PM | J      | J | J | J | J | J | PM    | PM |
|               |                  | K     | K  | K      | K | K | K |   |   |       |    |
|               |                  | N     | N  | N      | N | N | N |   |   |       |    |
|               |                  | H     | H  | H      | H | H | H |   |   |       |    |
| 2P + 24S + 2P |                  |       |    |        |   |   |   |   |   |       |    |



**I-6450330-4 & 7-6450330-3 PCB LAYOUT**

|  |  |                             |  |
|--|--|-----------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | OWN: R. GRZYBOWSKI 28FEB05  | TE Connectivity  |
| DIMENSIONS: INCHES                     |  | CHK: M. PERCHERKE           |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD: M. PERCHERKE          | NAME: RIGHT ANGLE HEADER ASSEMBLY SOLDER TAILS, W/GUIDES MULTI-BEAM XL |
| 0 PLC ±.01                             |  | PRODUCT SPEC: 108-1973      | SIZE: A1   |
| 1 PLC ±.01                             |  | APPLICATION SPEC: 114-13038 | CAGE CODE: 6450330   |
| 2 PLC ±.01                             |  | WEIGHT: -                   | RESTRICTED TO: -   |
| 3 PLC ±.005                            |  | CUSTOMER DRAWING            | SCALE: 4:1   |
| 4 PLC ±.002                            |  |                             | SHEET: 7 OF 20   |
| ANGLES: ±.020                          |  |                             | REV: R3  |



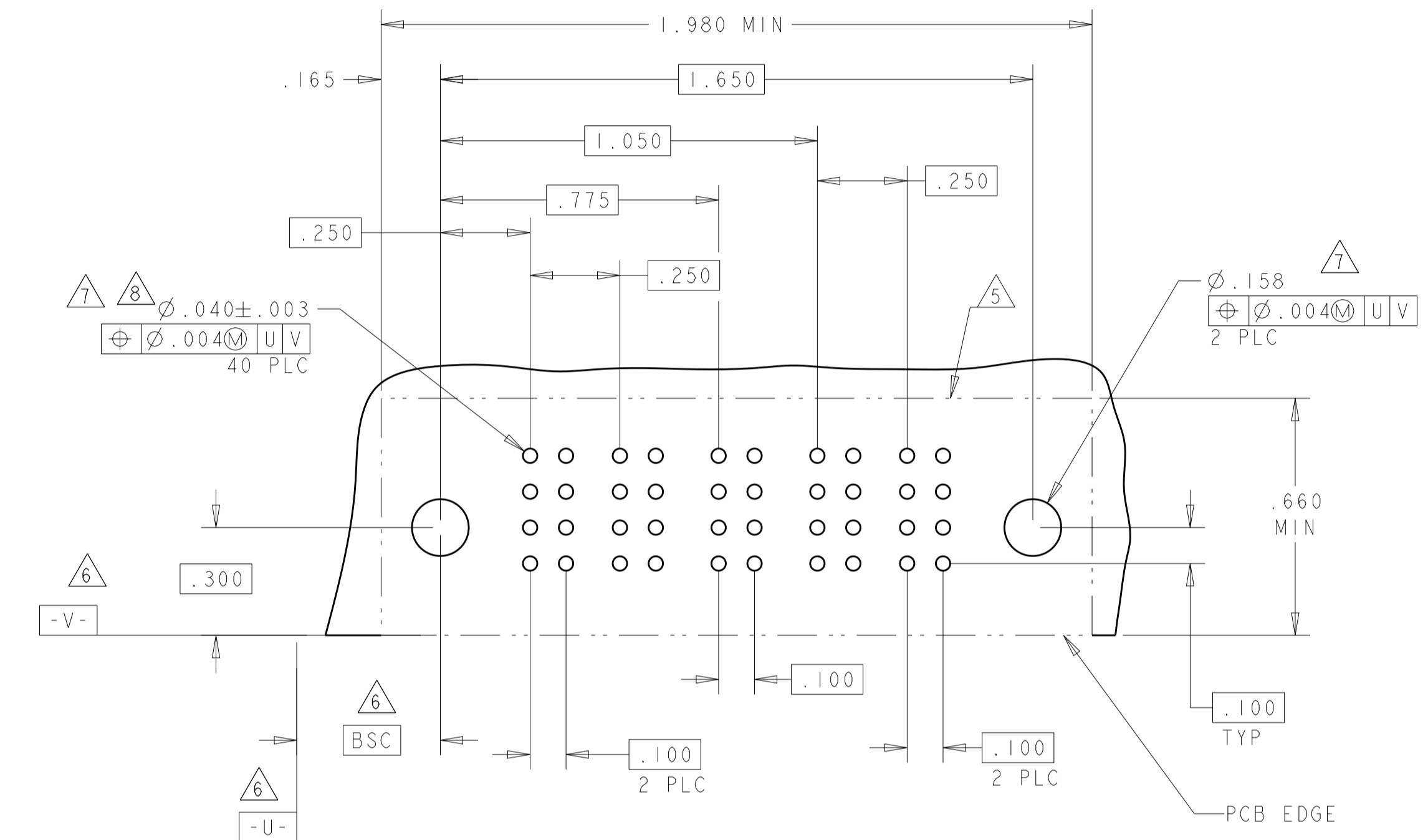
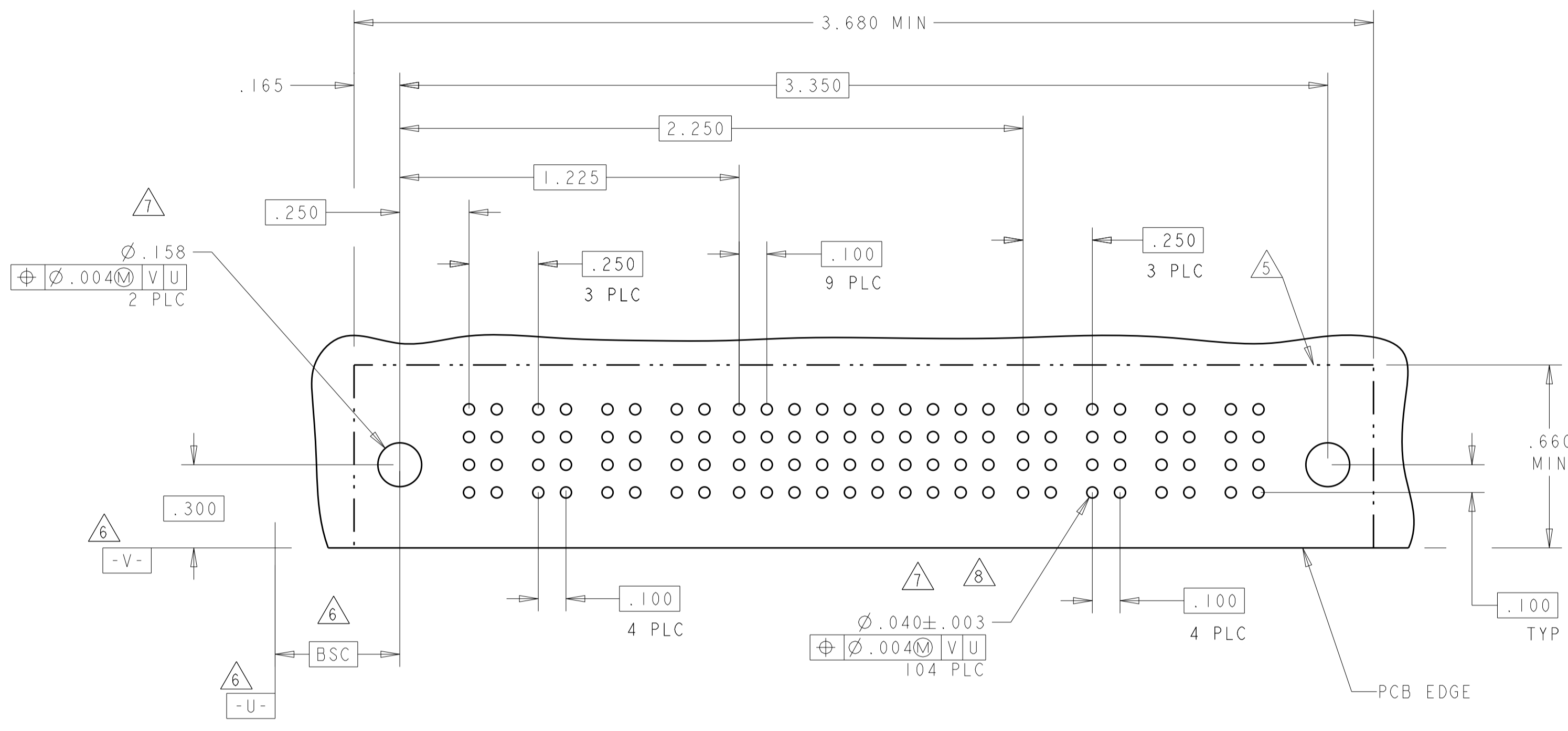
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|-----|------|-----|------|------|
| ES  | 00   |     |      |      |

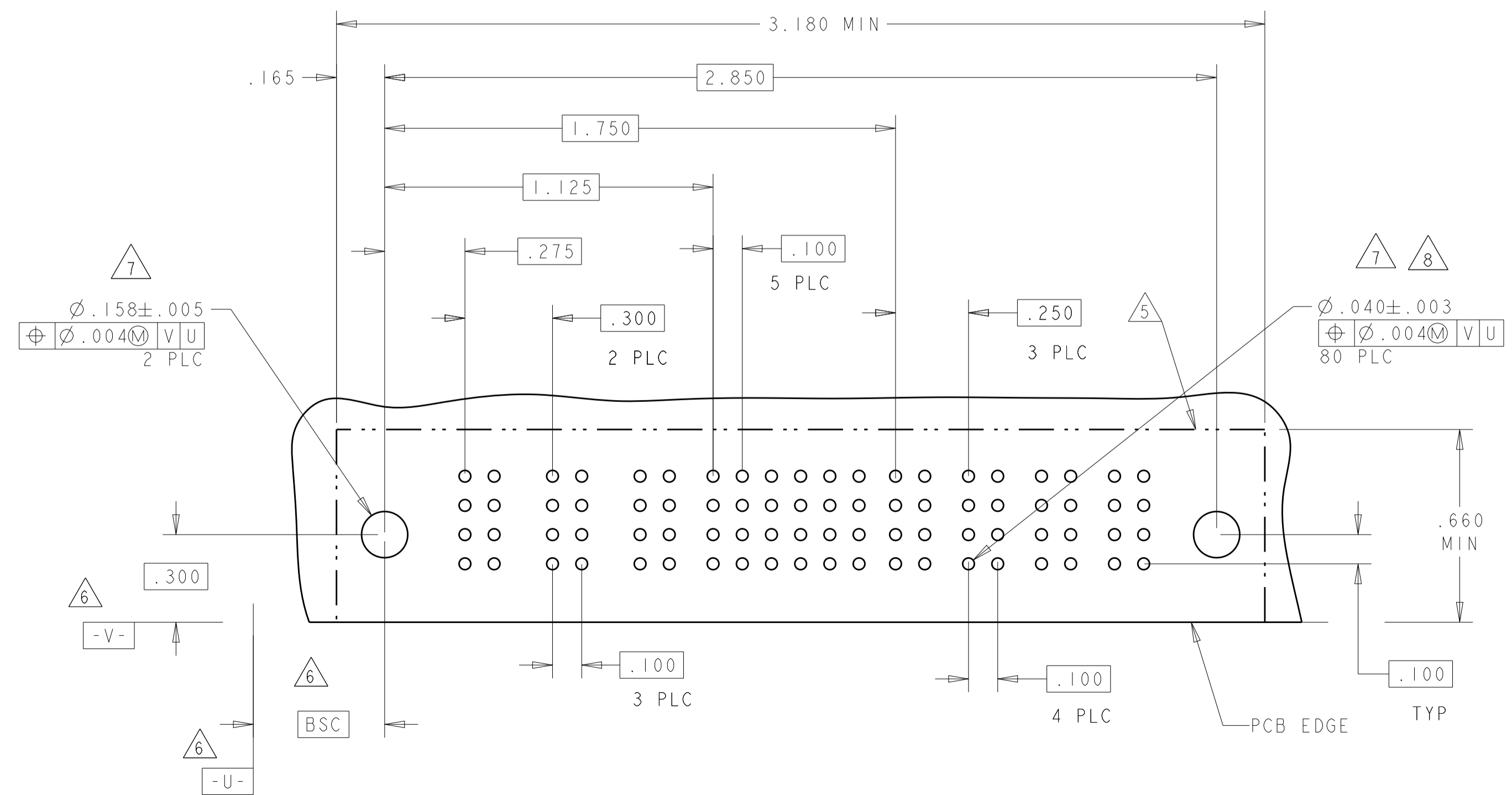
| REVISIONS |             |      |      |
|-----------|-------------|------|------|
| NO.       | DESCRIPTION | DATE | APPV |
| -         | SEE SHEET 1 | -    | -    |

| PART NUMBER   | ROWS             | POWER |    |    |    | SIGNAL |   |   |   |   |   |   |   |   |    | POWER |    |    |    |
|---------------|------------------|-------|----|----|----|--------|---|---|---|---|---|---|---|---|----|-------|----|----|----|
|               |                  | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | P5    | P6 | P7 | P8 |
| 2-6450330-3   | D<br>C<br>B<br>A | PM    | PM | PM | PM | J      | J | J | J | J | J | J | J | J | J  | PM    | PM | PM | PM |
|               |                  |       |    |    |    | K      | K | K | K | K | K | K | K | K | K  |       |    |    |    |
|               |                  |       |    |    |    | N      | N | N | N | N | N | N | N | N | N  |       |    |    |    |
|               |                  |       |    |    |    | H      | S | S | S | S | S | S | S | S | H  |       |    |    |    |
| 4P + 40S + 4P |                  |       |    |    |    |        |   |   |   |   |   |   |   |   |    |       |    |    |    |

| PART NUMBER  | HOUSING P/N | ROWS             | POWER |    | SIGNAL |   | POWER |    |
|--------------|-------------|------------------|-------|----|--------|---|-------|----|
|              |             |                  | P1    | P2 | 1      | 2 | P3    | P4 |
| 4-6450330-6  | 4-1450310-5 | D<br>C<br>B<br>A | PM    | PM | J      | J | PM    | PM |
|              |             |                  |       |    | K      | K |       |    |
|              |             |                  |       |    | N      | N |       |    |
|              |             |                  |       |    | S      | S |       |    |
| 2P + 8S + 2P |             |                  |       |    |        |   |       |    |



| PART NUMBER     | ROWS             | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |  |
|-----------------|------------------|-------|----|----|--------|---|---|---|---|---|-------|----|----|----|--|
|                 |                  | P1    | P2 | P3 | 1      | 2 | 3 | 4 | 5 | 6 | P4    | P5 | P6 | P7 |  |
| 2-6450330-8     | D<br>C<br>B<br>A | PM    | PM | PM | J      | J | J | J | J | J | PM    | PM | PM | PM |  |
|                 |                  |       |    |    | K      | K | K | K | K | K |       |    |    |    |  |
|                 |                  |       |    |    | N      | N | N | N | N | N | N     |    |    |    |  |
|                 |                  |       |    |    | H      | S | S | S | S | S | S     |    |    |    |  |
| 3ACP + 24S + 4P |                  |       |    |    |        |   |   |   |   |   |       |    |    |    |  |

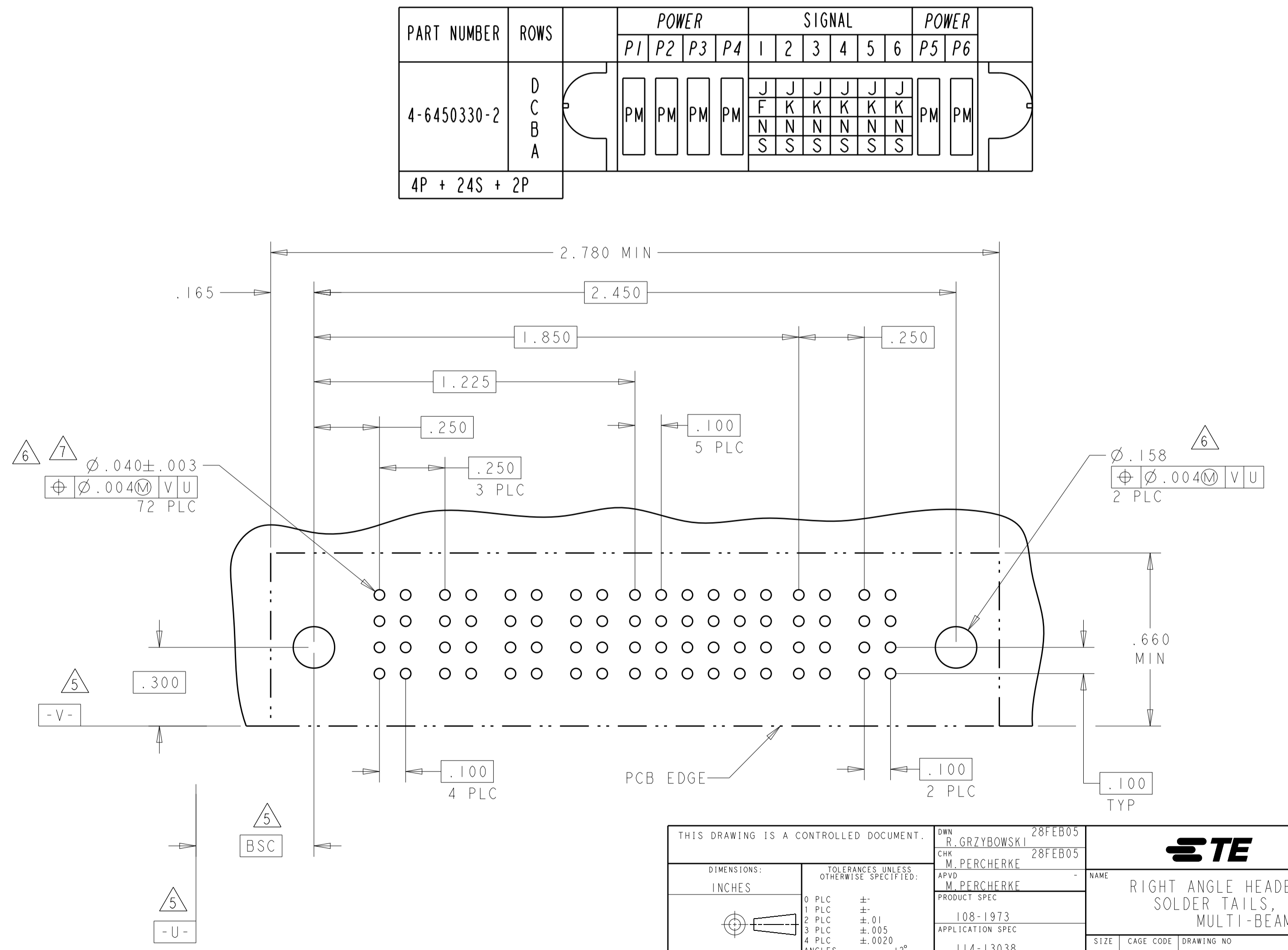
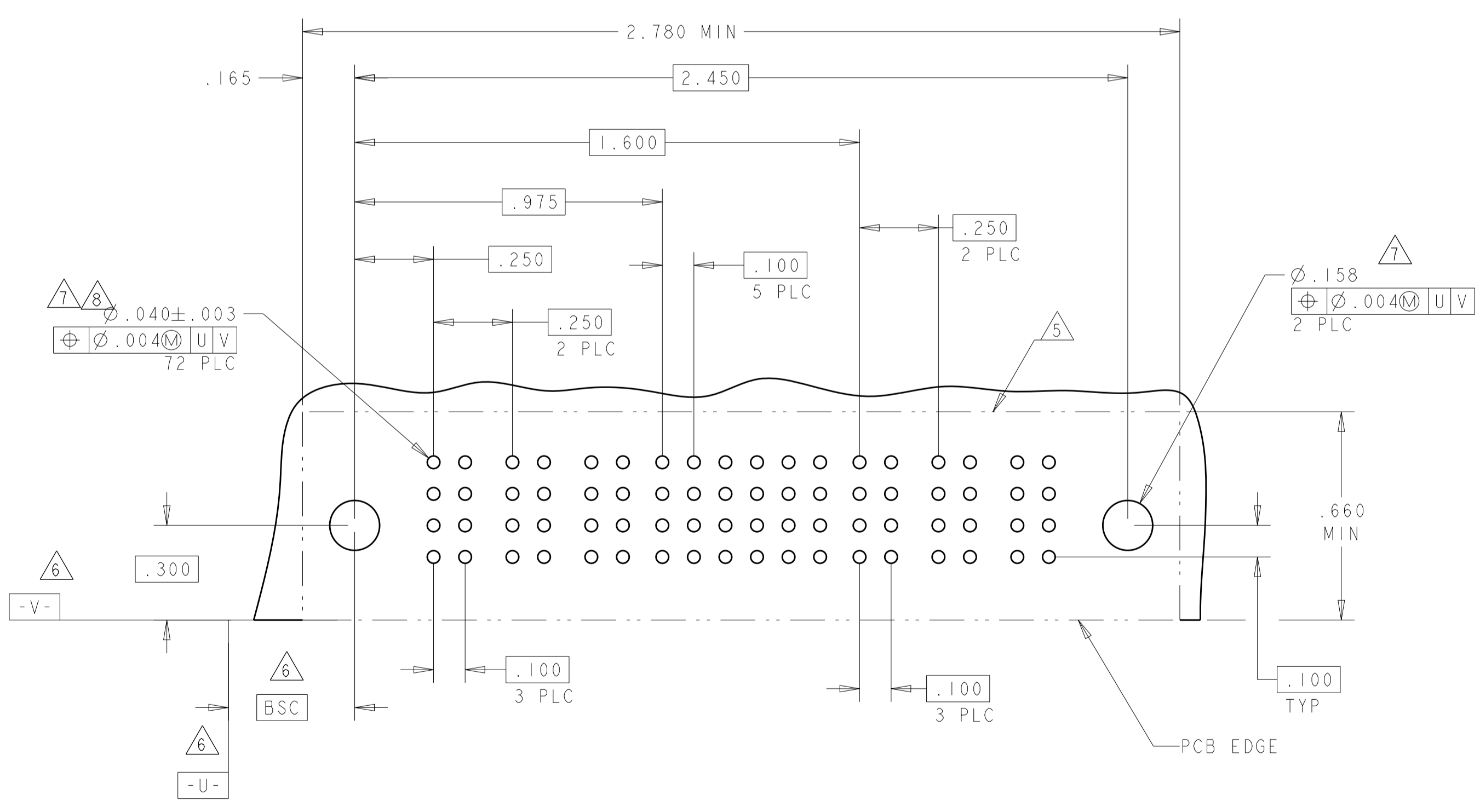


|  |  |                            |                                |  |
|--|--|----------------------------|--------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | OWN: R. GRZYBOWSKI 28FEB05 |                                | TE Connectivity  |
| DIMENSIONS: INCHES                     |  | CHK: M. PERCHERKE 28FEB05  |                                | RIGHT ANGLE HEADER ASSEMBLY SOLDER TAILS, W/GUIDES MULTI-BEAM XL |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD: M. PERCHERKE         | NAME                           |  |
| 0 PLC ±.01                             |  | PRODUCT SPEC               | 108-1973                       |  |
| 1 PLC ±.01                             |  | APPLICATION SPEC           | 114-13038                      |  |
| 2 PLC ±.005                            |  | WEIGHT                     | A100779C=6450330               |  |
| 3 PLC ±.002                            |  | FINISH                     | SCALE 4:1 SHEET 8 OF 20 REV R3 |  |
| 4 PLC ±.002                            |  | CUSTOMER DRAWING           |                                |  |

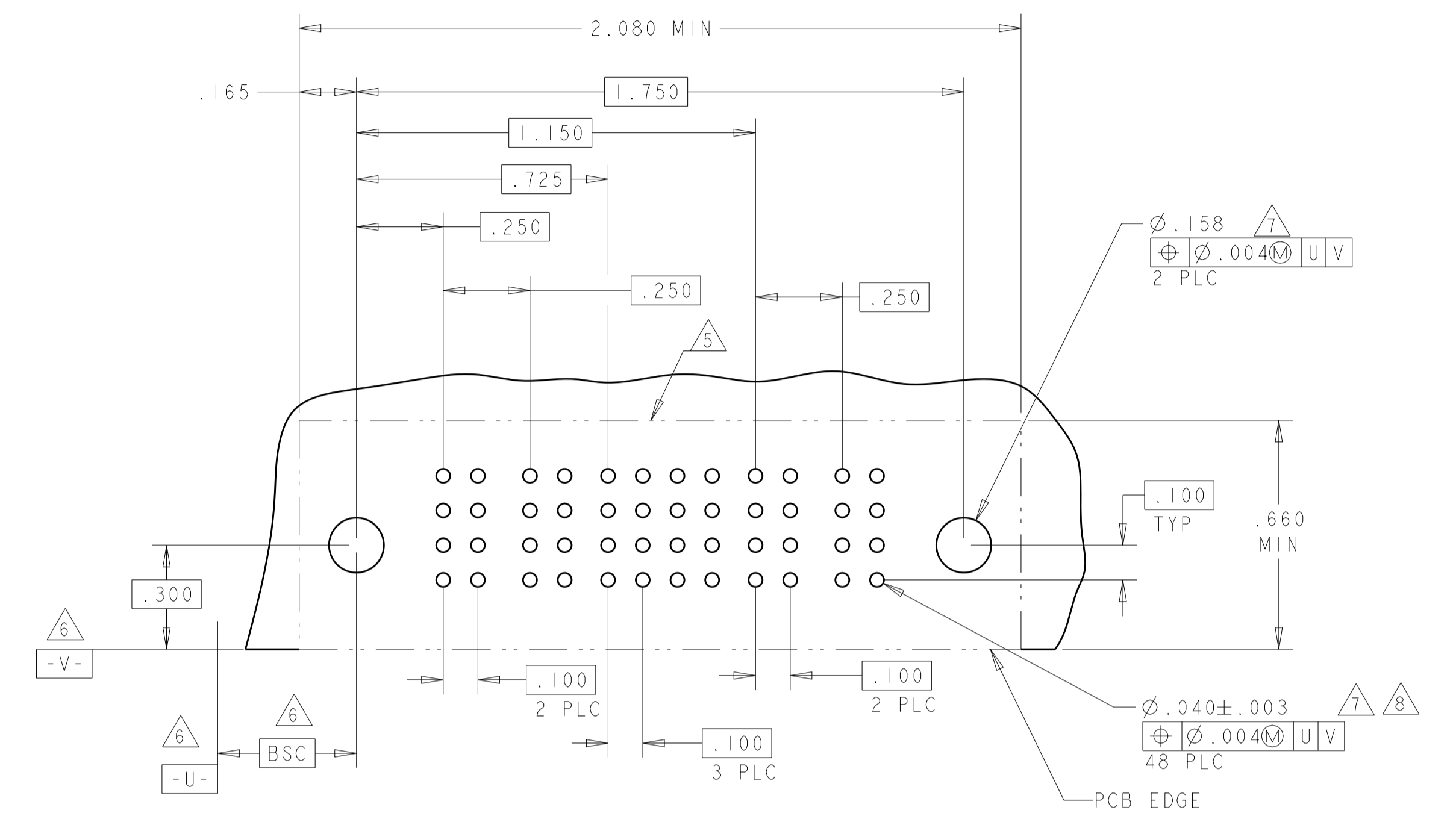


| PART NUMBER   | ROWS             | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |
|---------------|------------------|-------|----|----|--------|---|---|---|---|---|-------|----|----|
|               |                  | P1    | P2 | P3 | 1      | 2 | 3 | 4 | 5 | 6 | P4    | P5 | P6 |
| 3-6450330-9   | D<br>C<br>B<br>A | PM    | PM | PM | J      | E | E | E | E | E | PM    | PM | PM |
|               |                  |       |    |    | F      | F | F | F | F | K |       |    |    |
|               |                  |       |    |    | G      | G | G | G | G | N |       |    |    |
|               |                  |       |    |    | H      | H | H | H | H | H |       |    |    |
| 3P + 24S + 3P |                  |       |    |    |        |   |   |   |   |   |       |    |    |

| PART NUMBER   | ROWS             | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |
|---------------|------------------|-------|----|----|--------|---|---|---|---|---|-------|----|----|
|               |                  | P1    | P2 | P3 | 1      | 2 | 3 | 4 | 5 | 6 | P4    | P5 | P6 |
| 7-6450330-0   | D<br>C<br>B<br>A | PM    | PM | PM | J      | J | J | J | J | J | PM    | PM | PM |
|               |                  |       |    |    | K      | K | K | K | K | K |       |    |    |
|               |                  |       |    |    | N      | N | N | G | N | N |       |    |    |
|               |                  |       |    |    | S      | S | S | S | S | S |       |    |    |
| 3P + 24S + 3P |                  |       |    |    |        |   |   |   |   |   |       |    |    |



| PART NUMBER   | ROWS             | POWER |    | SIGNAL |   |   |   | POWER |    |
|---------------|------------------|-------|----|--------|---|---|---|-------|----|
|               |                  | P1    | P2 | 1      | 2 | 3 | 4 | P3    | P4 |
| 4-6450330-9   | D<br>C<br>B<br>A | PM    | PM | J      | E | J | J | PM    | PM |
|               |                  |       |    | K      | F | K | K |       |    |
|               |                  |       |    | N      | G | N | N |       |    |
|               |                  |       |    | S      | H | S | S |       |    |
| 2P + 16S + 2P |                  |       |    |        |   |   |   |       |    |



| PART NUMBER   | ROWS             | POWER |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |
|---------------|------------------|-------|----|----|----|--------|---|---|---|---|---|-------|----|
|               |                  | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | 6 | P5    | P6 |
| 4-6450330-2   | D<br>C<br>B<br>A | PM    | PM | PM | PM | J      | J | J | J | J | J | PM    | PM |
|               |                  |       |    |    |    | F      | K | K | K | K | K |       |    |
|               |                  |       |    |    |    | N      | N | N | N | N | N |       |    |
|               |                  |       |    |    |    | S      | S | S | S | S | S |       |    |
| 4P + 24S + 2P |                  |       |    |    |    |        |   |   |   |   |   |       |    |

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: R. GRZYBOWSKI 28FEB05  
CHK: M. PERCHERKE 28FEB05  
APVD: M. PERCHERKE

NAME: RIGHT ANGLE HEADER ASSEMBLY  
SOLDER TAILS, W/GUIDES  
MULTI-BEAM XL

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

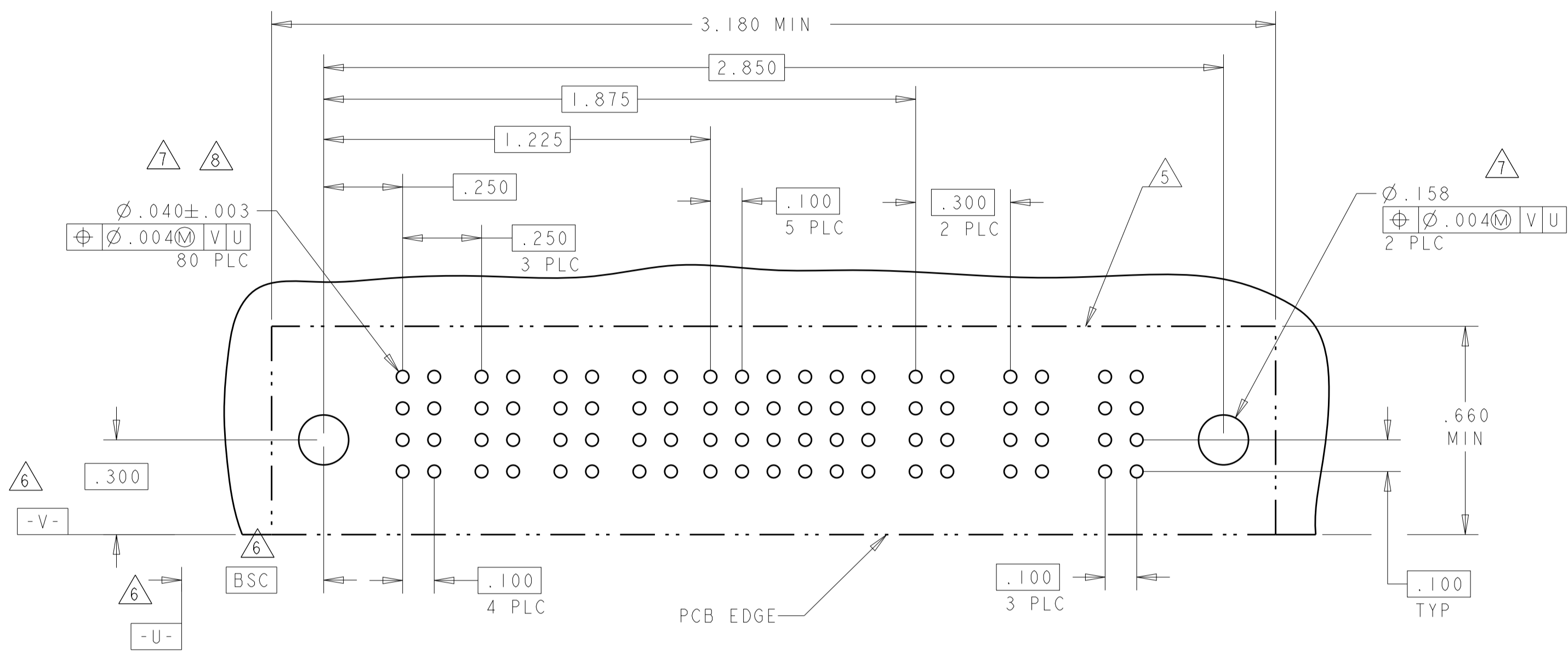
SIZE: A1  
CAGE CODE: 100779  
DRAWING NO: 6450330

RESTRICTED TO: -

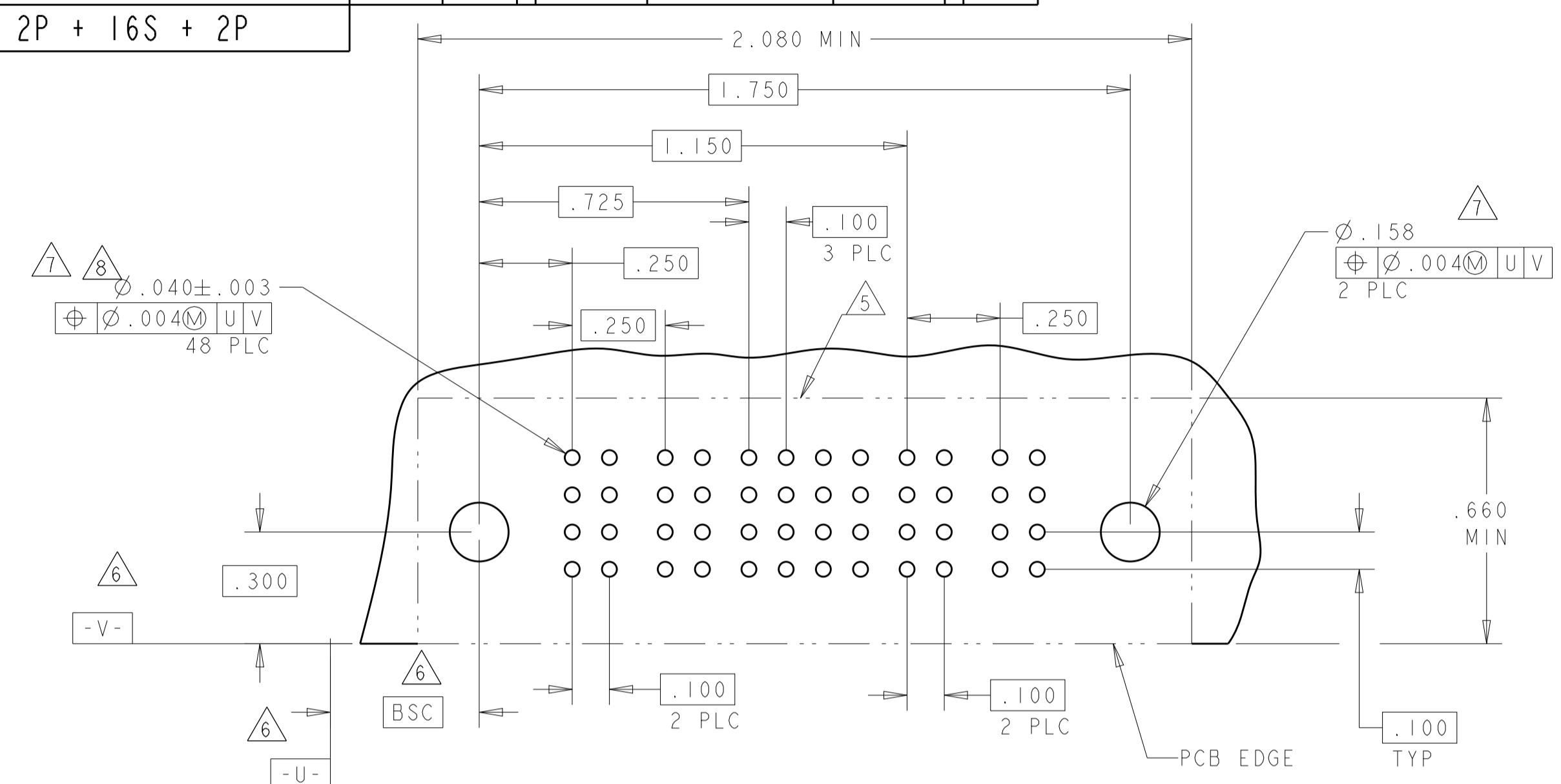
CUSTOMER DRAWING

SCALE: 4:1  
SHEET: 9 OF 20  
REV: R3

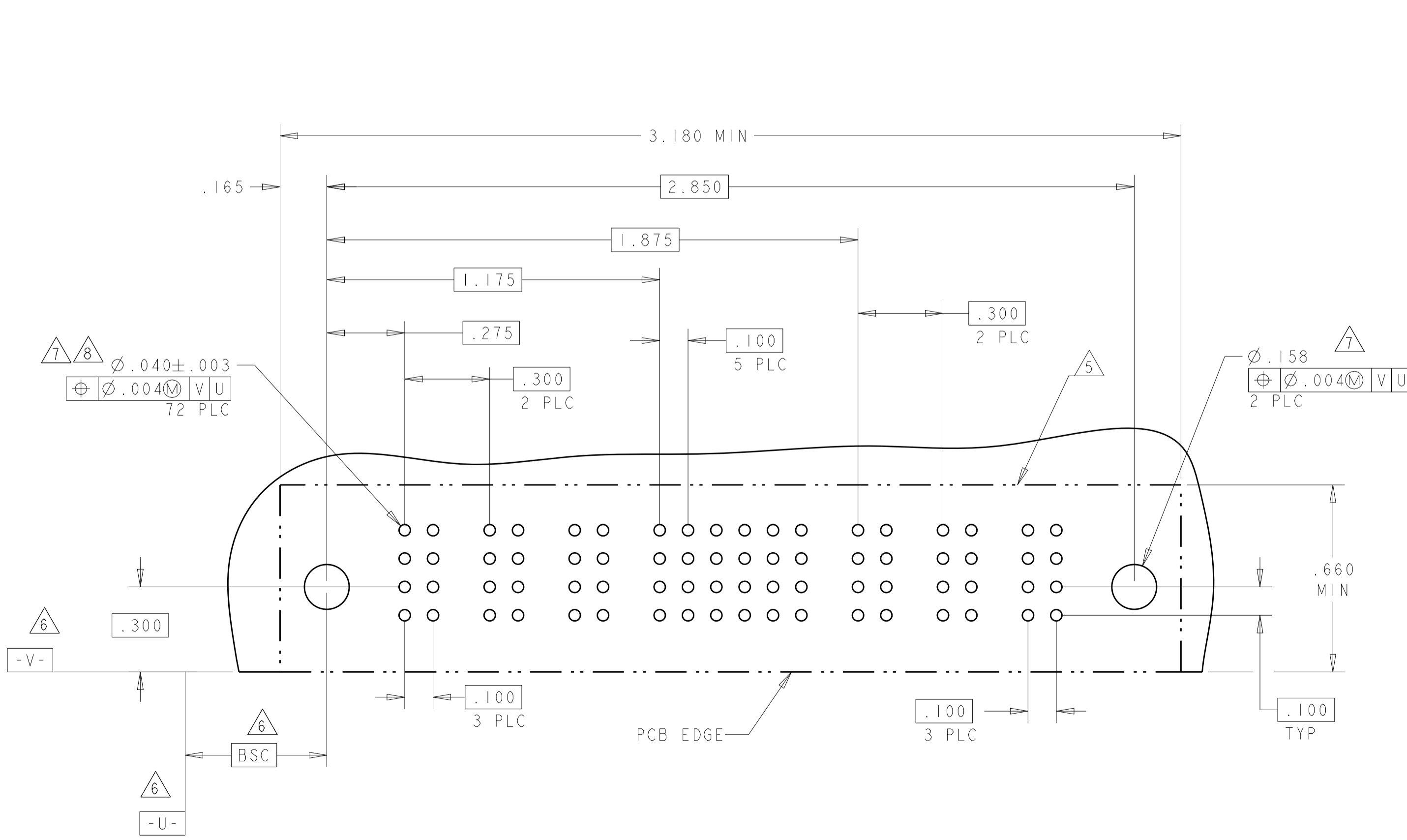
| PART NUMBER     | ROWS             | POWER |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |
|-----------------|------------------|-------|----|----|----|--------|---|---|---|---|---|-------|----|----|
|                 |                  | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | 6 | P5    | P6 | P7 |
| 5-6450330-0     | D<br>C<br>B<br>A | PM    | PM | PM | PM | J      | J | J | J | J | J | PM    | PM | PM |
|                 |                  |       |    |    |    | K      | K | K | K | K | K |       |    |    |
|                 |                  |       |    |    |    | N      | N | N | N | N | N |       |    |    |
|                 |                  |       |    |    |    | S      | S | S | S | S | H |       |    |    |
| 4P + 24S + 3ACP |                  |       |    |    |    |        |   |   |   |   |   |       |    |    |



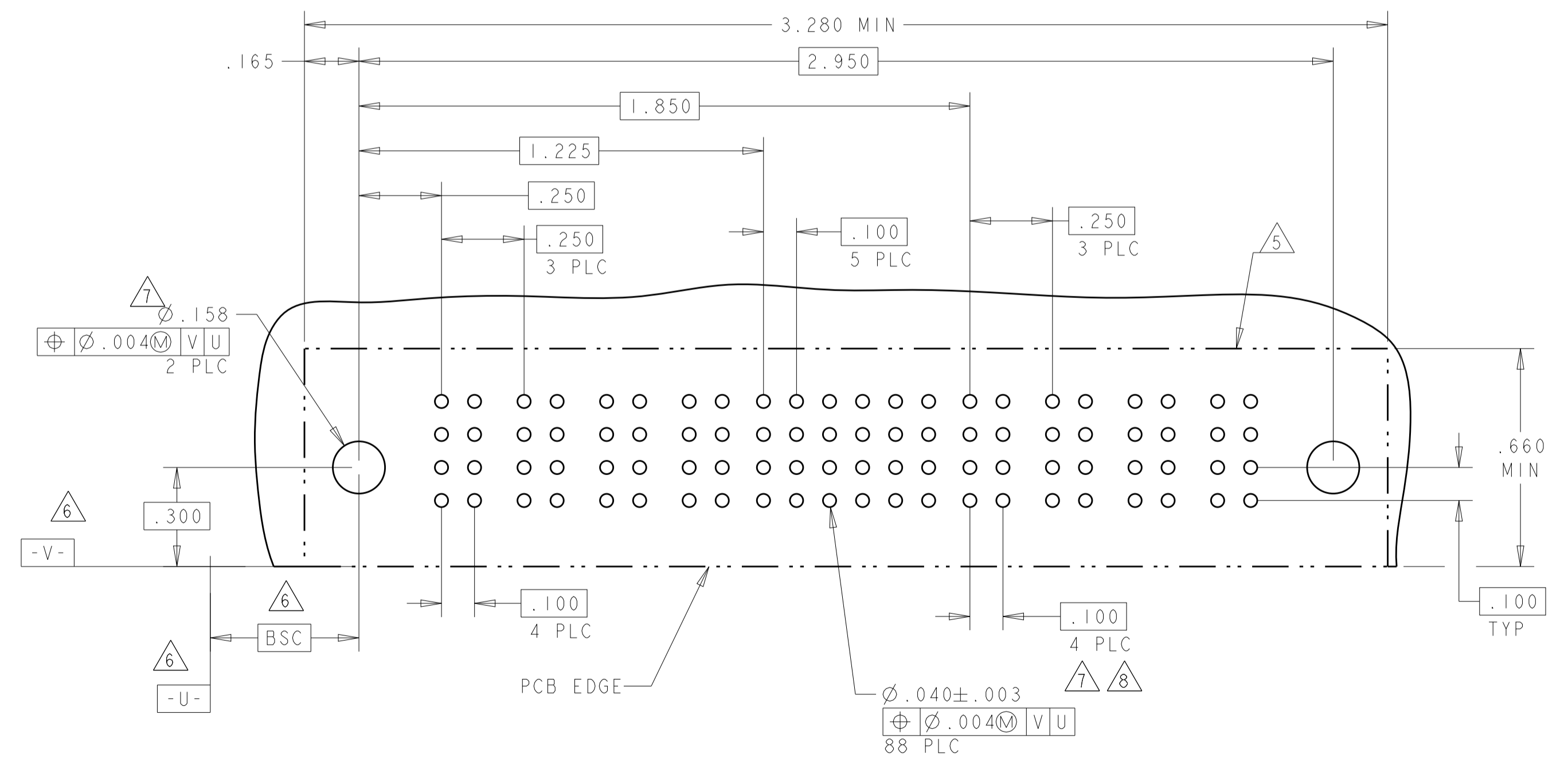
| PART NUMBER   | ROWS             | POWER |    | SIGNAL |   |   |   | POWER |    |
|---------------|------------------|-------|----|--------|---|---|---|-------|----|
|               |                  | P1    | P2 | 1      | 2 | 3 | 4 | P3    | P4 |
| 5-6450330-1   | D<br>C<br>B<br>A | PM    | PM | J      | J | J | E | PM    | PM |
|               |                  |       |    | K      | K | K | K |       |    |
|               |                  |       |    | N      | G | N | N |       |    |
|               |                  |       |    | S      | S | S | S |       |    |
| 2P + 16S + 2P |                  |       |    |        |   |   |   |       |    |



| PART NUMBER       | ROWS             | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |
|-------------------|------------------|-------|----|----|--------|---|---|---|---|---|-------|----|----|
|                   |                  | P1    | P2 | P3 | 1      | 2 | 3 | 4 | 5 | 6 | P4    | P5 | P6 |
| 2-6450330-6       | D<br>C<br>B<br>A | PM    | PM | PM | J      | J | E | J | J | J | PM    | PM | PM |
|                   |                  |       |    |    | K      | K | K | K | K | K |       |    |    |
|                   |                  |       |    |    | N      | N | N | N | N | N |       |    |    |
|                   |                  |       |    |    | S      | S | S | S | S | S |       |    |    |
| 3ACP + 24S + 3ACP |                  |       |    |    |        |   |   |   |   |   |       |    |    |



| PART NUMBER   | ROWS             | POWER |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |
|---------------|------------------|-------|----|----|----|--------|---|---|---|---|---|-------|----|----|----|
|               |                  | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | 6 | P5    | P6 | P7 | P8 |
| 5-6450330-3   | D<br>C<br>B<br>A | PM    | PM | PM | PM | J      | J | J | J | J | J | PM    | PM | PM | PM |
|               |                  |       |    |    |    | K      | K | K | K | K | K |       |    |    |    |
|               |                  |       |    |    |    | N      | N | N | N | N | N |       |    |    |    |
|               |                  |       |    |    |    | S      | S | S | S | S | H |       |    |    |    |
| 4P + 24S + 4P |                  |       |    |    |    |        |   |   |   |   |   |       |    |    |    |



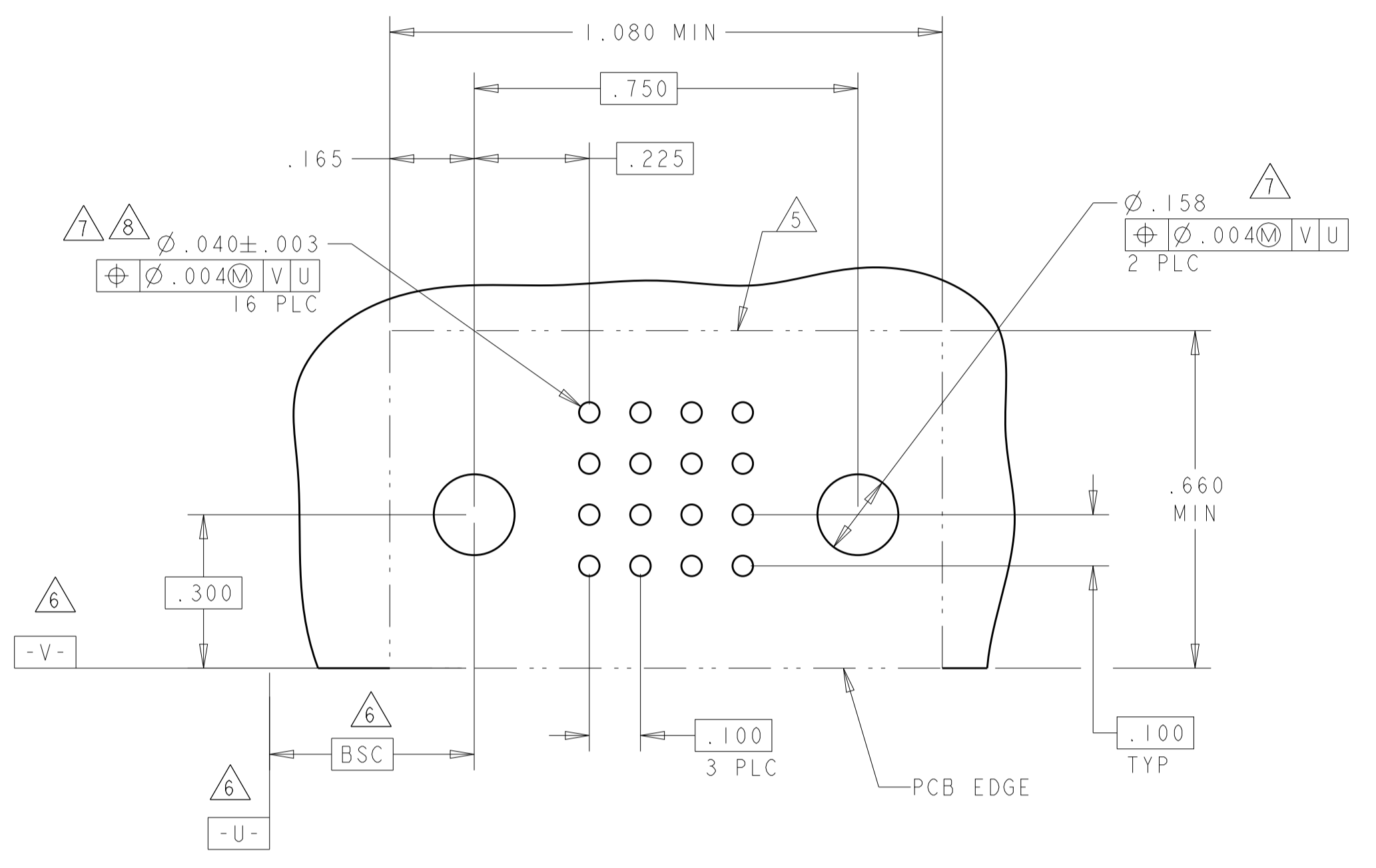
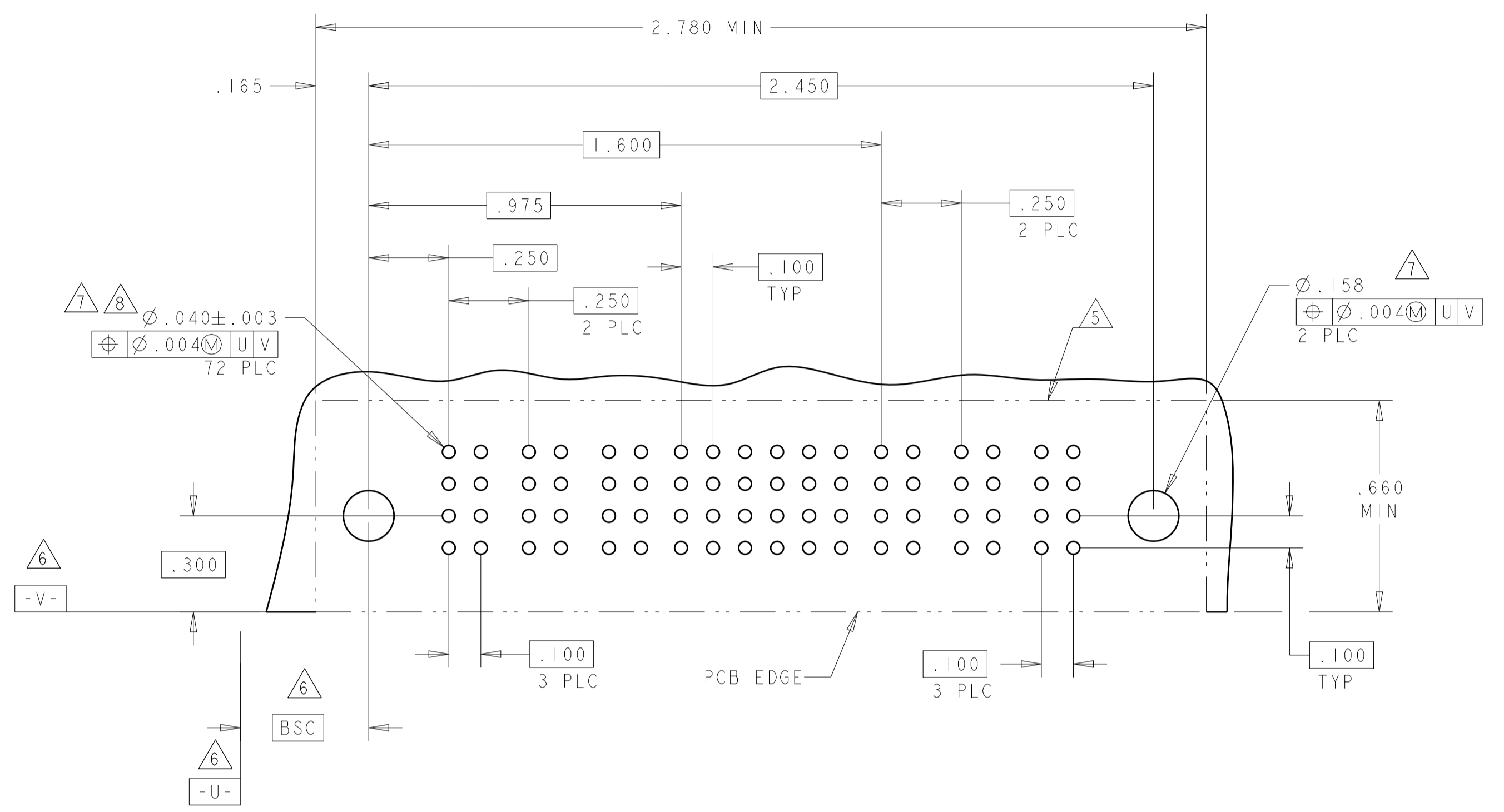
THIS DRAWING IS A CONTROLLED DOCUMENT.

|             |  |                            |                     |
|-------------|--|----------------------------|---------------------|
| DIMENSIONS: | TOLERANCES UNLESS OTHERWISE SPECIFIED: | OWN: R. GRZYBOWSKI 28FEB05 | DATE: 28FEB05       |
| INCHES      | 0 PLC ± .01                            | CHK: M. PERCHERKE 28FEB05  |                     |
|             | 1 PLC ± .01                            | APVD: M. PERCHERKE         |                     |
|             | 2 PLC ± .01                            | PRODUCT SPEC               |                     |
|             | 3 PLC ± .01                            | APPLICATION SPEC           |                     |
|             | 4 PLC ± .002                           | 108-1973                   |                     |
|             | ANGLES ± .002                          | 114-13038                  |                     |
| MATERIAL:   | FINISH:                                | WEIGHT:                    | SIZE: A100779       |
|             |  |                            | CAGE CODE: 6450330  |
|             |  |                            | DRAWING NO: 6450330 |
|             |  |                            | SCALE: 4:1          |
|             |  |                            | SHEET 10 OF 20      |
|             |  |                            | REV: R3             |

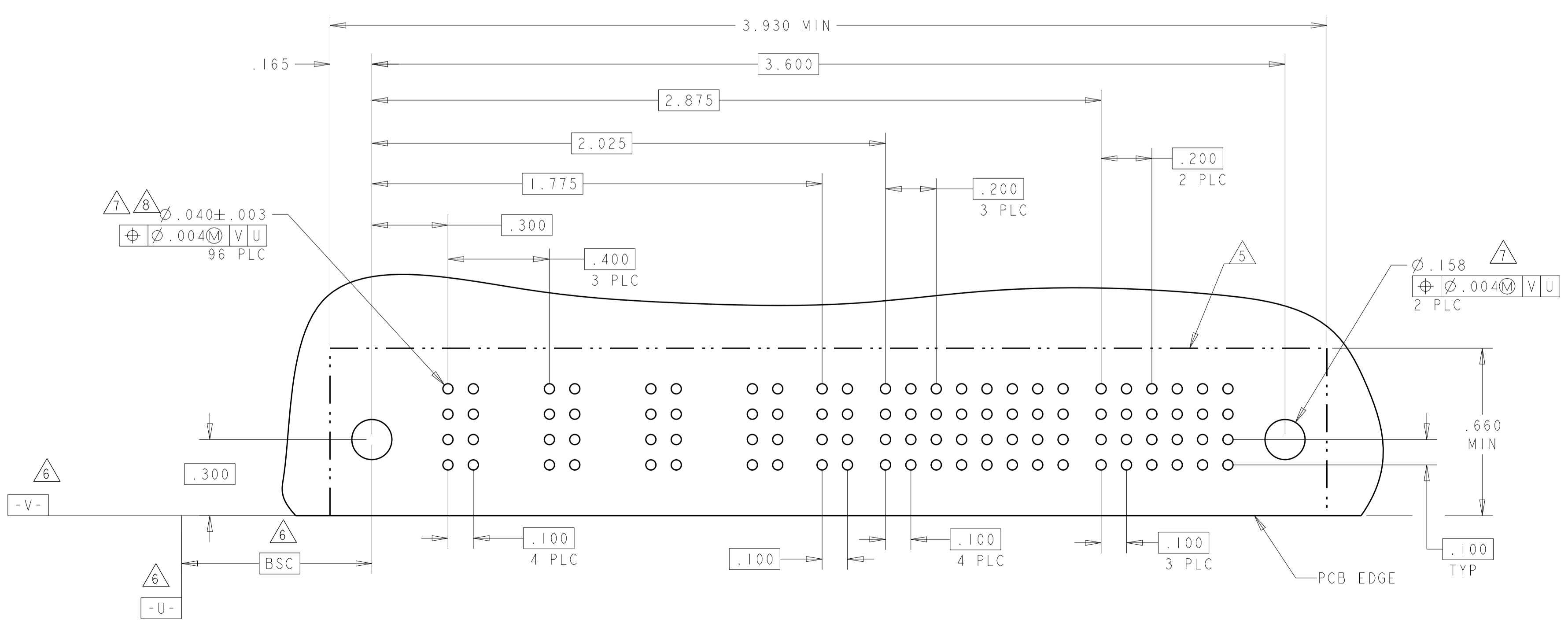
STE TE Connectivity  
RIGHT ANGLE HEADER ASSEMBLY  
SOLDER TAILS, W/GUIDES  
MULTI-BEAM XL

| PART NUMBER   | ROWS | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |
|---------------|------|-------|----|----|--------|---|---|---|---|---|-------|----|----|
|               |      | P1    | P2 | P3 | 1      | 2 | 3 | 4 | 5 | 6 | P4    | P5 | P6 |
| 5-6450330-2   | D    | PM    | PM | PM | J      | J | J | J | J | J | PM    | PM | PM |
|               | C    |       |    |    | K      | K | K | K | K | K |       |    |    |
|               | B    |       |    |    | N      | N | G | N | N | N |       |    |    |
|               | A    |       |    |    | S      | S | S | S | S | S |       |    |    |
| 3P + 24S + 3P |      |       |    |    |        |   |   |   |   |   |       |    |    |

| PART NUMBER | ROWS | SIGNAL |   |   |   |
|-------------|------|--------|---|---|---|
|             |      | 1      | 2 | 3 | 4 |
| 3-6450330-1 | D    | E      | E | E | E |
|             | C    | F      | F | F | K |
|             | B    | G      | G | G | G |
|             | A    | H      | H | H | H |
| 16S         |      |        |   |   |   |



| PART NUMBER  | ROWS | POWER |    |    |    |    |    | SIGNAL |   | POWER |    |    |     |     |     |     |     |
|--------------|------|-------|----|----|----|----|----|--------|---|-------|----|----|-----|-----|-----|-----|-----|
|              |      | P1    | P2 | P3 | P4 | P5 | P6 | P7     | 1 | 2     | P8 | P9 | P10 | P11 | P12 | P13 | P14 |
| 5-6450330-4  | D    | PM    | PM | PM | PM | PM | PM | J      | J | PM    | PM | PM | PM  | PM  | PM  | PM  |     |
|              | C    |       |    |    |    |    |    | K      | K |       |    |    |     |     |     |     |     |
|              | B    |       |    |    |    |    |    | N      | N |       |    |    |     |     |     |     |     |
|              | A    |       |    |    |    |    |    | H      | S |       |    |    |     |     |     |     |     |
| 7P + 8S + 7P |      |       |    |    |    |    |    |        |   |       |    |    |     |     |     |     |     |



|  |  |                             |  |
|--|--|-----------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN: R. GRZYBOWSKI 28FEB05  | TE Connectivity  |
| DIMENSIONS: INCHES                     |  | CHK: M. PERCHERKE 28FEB05   |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD: M. PERCHERKE          | NAME: RIGHT ANGLE HEADER ASSEMBLY SOLDER TAILS, W/GUIDES MULTI-BEAM XL |
| 0 PLC ±.01                             |  | PRODUCT SPEC: 108-1973      | SIZE: CAGE CODE DRAWING NO: A100779 C=6450330                          |
| 1 PLC ±.01                             |  | APPLICATION SPEC: 114-13038 | RESTRICTED TO: -   |
| 2 PLC ±.01                             |  | WEIGHT: -                   | SCALE: 4:1 SHEET 11 OF 20 REV: R3                                      |
| 3 PLC ±.005                            |  | CUSTOMER DRAWING            |  |
| 4 PLC ±.002                            |  |                             |  |
| ANGLES ±.020                           |  |                             |  |

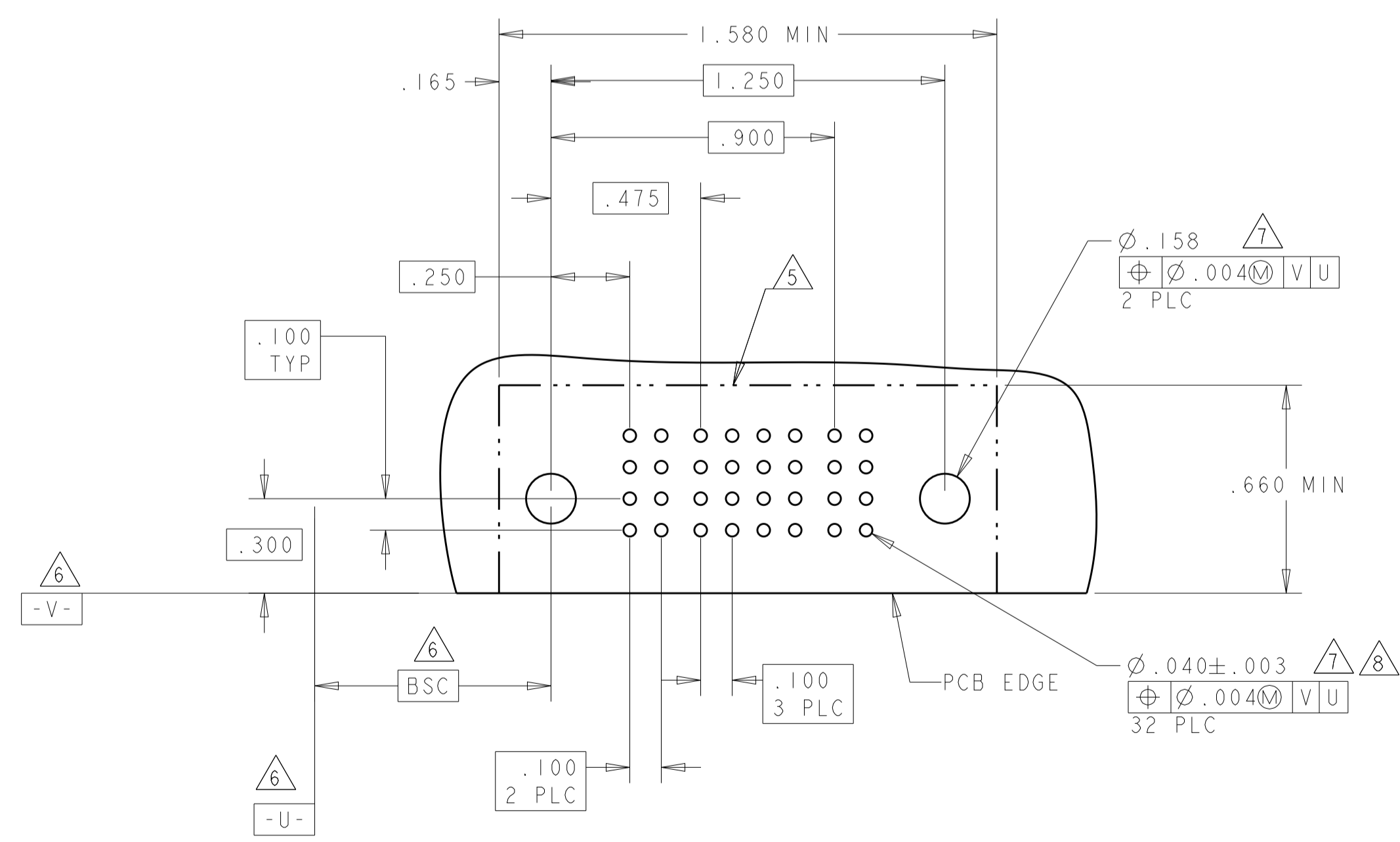


| LOC | DIST | REVISIONS   |      |     |      |
|-----|------|-------------|------|-----|------|
| P   | LTN  | DESCRIPTION | DATE | DMN | APVD |
| ES  | 00   | SEE SHEET 1 |      |     |      |

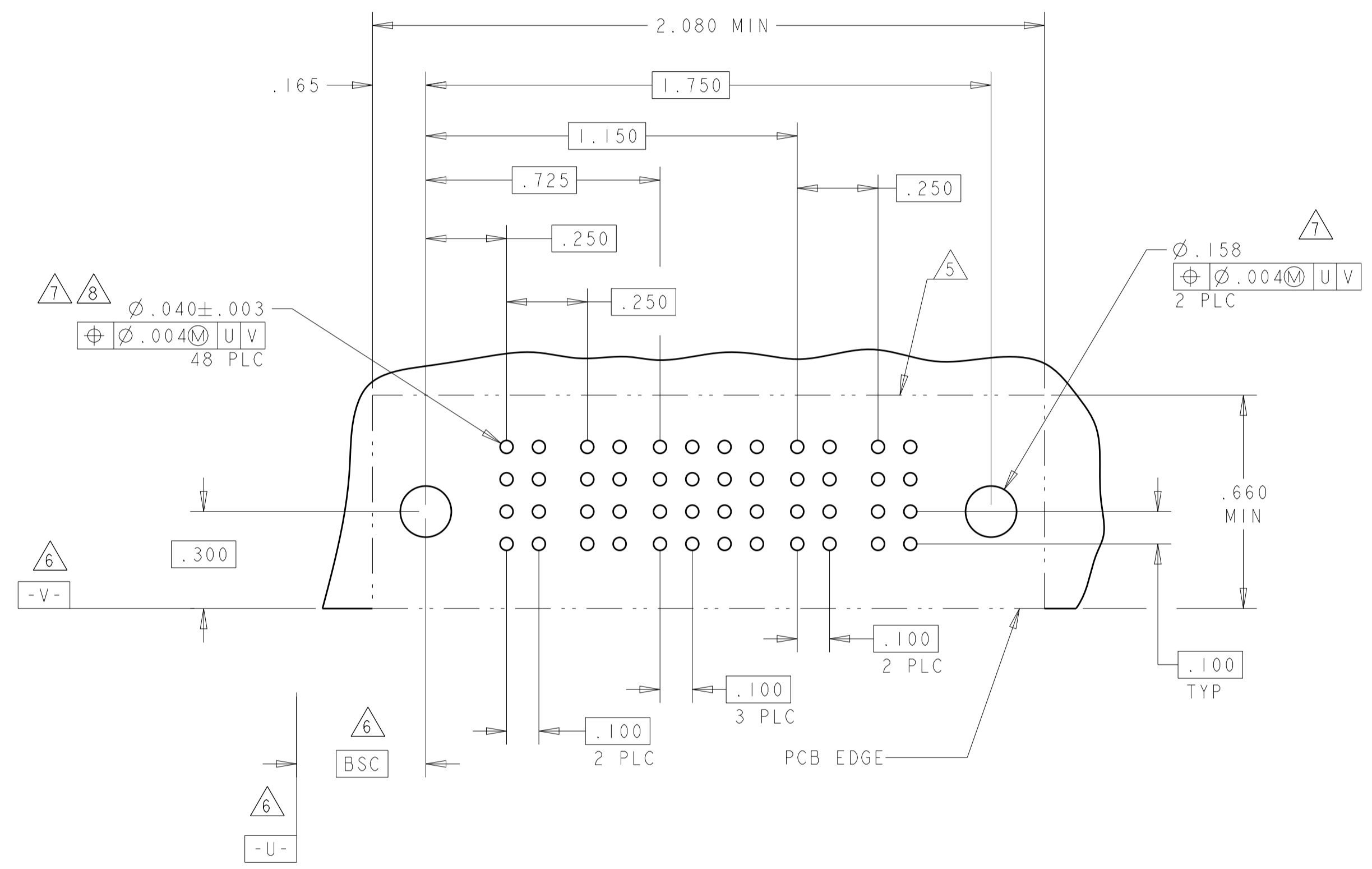
| PART NUMBER   | ROWS | POWER |    | SIGNAL |   |   |   | POWER |    |
|---------------|------|-------|----|--------|---|---|---|-------|----|
|               |      | P1    | P2 | 1      | 2 | 3 | 4 | P1    | P2 |
| 5-6450330-5   | D    | PM    | PM | J      | J | J | J | PM    | PM |
|               | C    |       |    | K      | K | F | K |       |    |
|               | B    |       |    | N      | N | G | N |       |    |
|               | A    |       |    | S      | S | S | S |       |    |
| IP + 16S + IP |      |       |    |        |   |   |   |       |    |

| PART NUMBER   | ROWS | POWER |    | SIGNAL |   |   |   | POWER |    |
|---------------|------|-------|----|--------|---|---|---|-------|----|
|               |      | P1    | P2 | 1      | 2 | 3 | 4 | P1    | P2 |
| 6-6450330-9   | D    | PM    | PM | J      | J | J | J | PM    | PM |
|               | C    |       |    | K      | K | K | K |       |    |
|               | B    |       |    | N      | N | N | N |       |    |
|               | A    |       |    | S      | S | S | S |       |    |
| IP + 16S + IP |      |       |    |        |   |   |   |       |    |

| PART NUMBER   | ROWS | POWER |    | SIGNAL |    |    |   | POWER |    |
|---------------|------|-------|----|--------|----|----|---|-------|----|
|               |      | P1    | P2 | 1      | 2  | 3  | 4 | P3    | P4 |
| 5-6450330-6   | D    | PA    | PA | A4     | A4 | A4 | Z | PA    | PA |
|               | C    |       |    | A3     | A3 | A3 | Y |       |    |
|               | B    |       |    | A2     | A2 | A2 | R |       |    |
|               | A    |       |    | A1     | A1 | A1 | O |       |    |
| 2P + 16S + 2P |      |       |    |        |    |    |   |       |    |



PCB LAYOUT VIEW FOR P/N: 5-6450330-5 AND 6-6450330-9

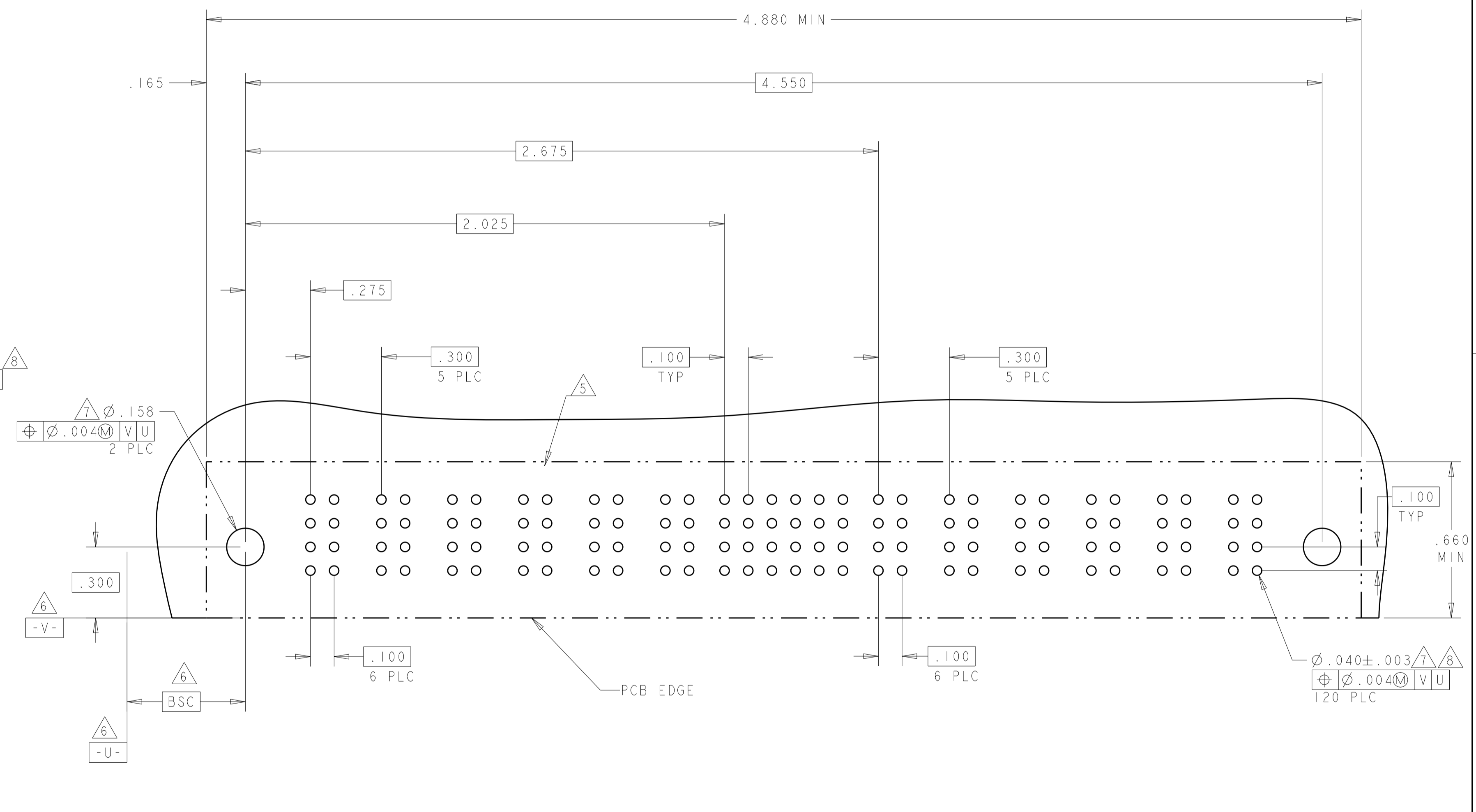
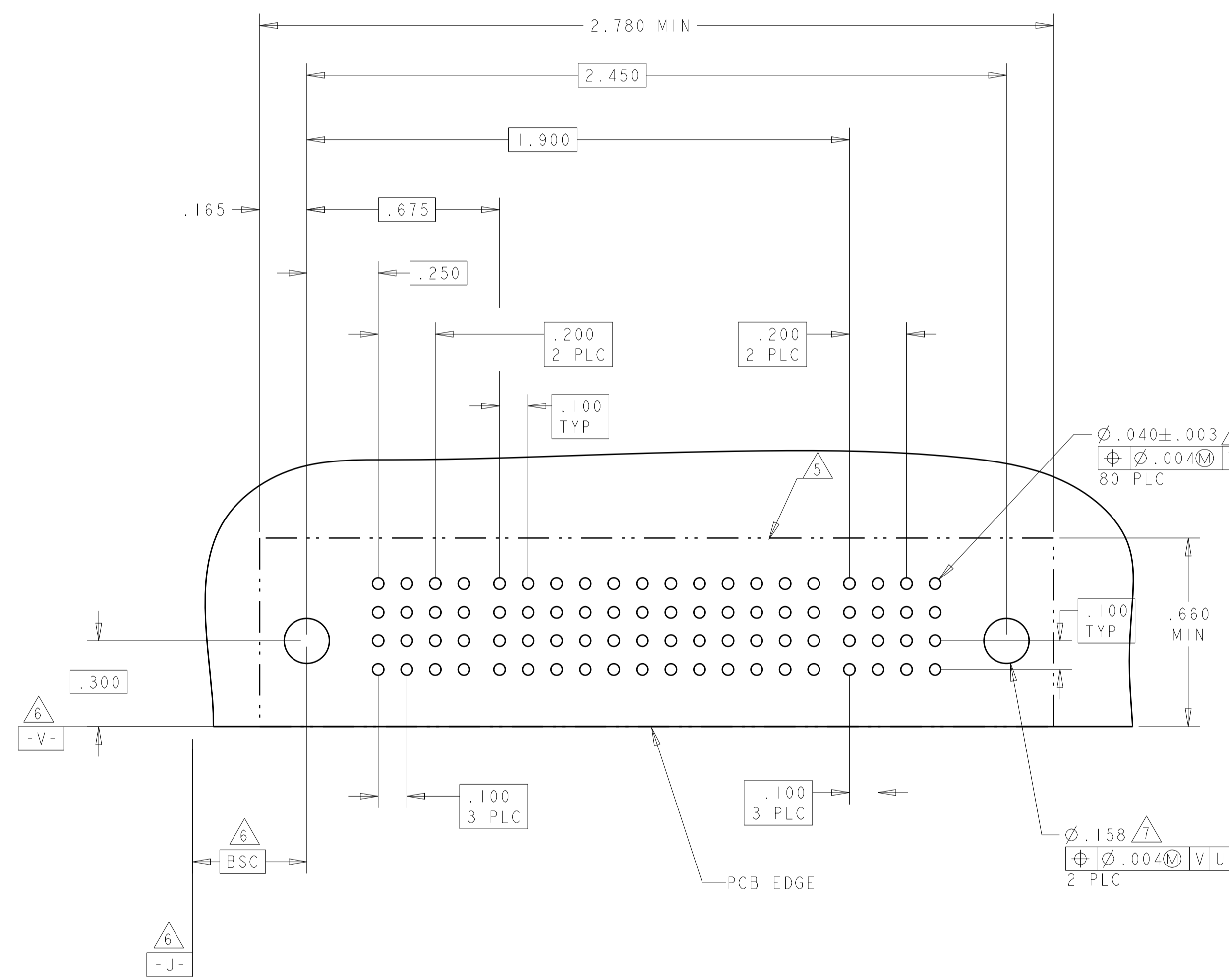


|  |  |                             |  |
|--|--|-----------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DMN: R.GRZYBOWSKI 28FEB05   | TE Connectivity  |
| DIMENSIONS: INCHES                     |  | CHK: M.PERCHEKKE 28FEB05    |  |
|  |  | APVD: M.PERCHEKKE           | NAME: RIGHT ANGLE HEADER ASSEMBLY SOLDER TAILS, W/GUIDES MULTI-BEAM XL |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | PRODUCT SPEC: 108-1973      | SIZE: A1   |
| 0 PLC ±.01                             |  | APPLICATION SPEC: 114-13038 | CAGE CODE: 6450330   |
| 1 PLC ±.01                             |  | WEIGHT: -                   | SCALE: 4:1   |
| 2 PLC ±.01                             |  | CUSTOMER DRAWING            | SHEET 12 OF 20   |
| 3 PLC ±.005                            |  |                             | REV: R3  |
| 4 PLC ±.0020                           |  |                             |  |
| ANGLES ±.2°                            |  |                             |  |
| FINISH: -                              |  |                             |  |

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

| PART NUMBER   | ROWS | POWER |    | SIGNAL |   |   |   |   |   |   |   |   |    |    |    | POWER |    |
|---------------|------|-------|----|--------|---|---|---|---|---|---|---|---|----|----|----|-------|----|
|               |      | P1    | P2 | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | P3    | P4 |
| 5-6450330-7   | D    | PM    | PM | J      | J | E | E | J | E | E | J | E | E  | J  | J  | PM    | PM |
|               | C    |       |    | F      | F | K | F | F | F | K | F | F | F  | F  |    |       |    |
|               | B    |       |    | N      | N | G | G | G | G | G | N | G | G  | G  |    |       |    |
|               | A    |       |    | H      | H | S | H | H | H | S | H | H | H  | H  |    |       |    |
| 2P + 48S + 2P |      |       |    |        |   |   |   |   |   |   |   |   |    |    |    |       |    |

| PART NUMBER       | ROWS | POWER |    |    |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |     |     |     |
|-------------------|------|-------|----|----|----|----|----|--------|---|---|---|---|---|-------|----|----|-----|-----|-----|
|                   |      | P1    | P2 | P3 | P4 | P5 | P6 | 1      | 2 | 3 | 4 | 5 | 6 | P7    | P8 | P9 | P10 | P11 | P12 |
| 5-6450330-8       | D    | PM    | PM | PM | PM | PM | PM | J      | J | E | E | J | J | PM    | PM | PM | PM  | PM  | PM  |
|                   | C    |       |    |    |    |    |    | F      | F | K | F | F | F |       |    |    |     |     |     |
|                   | B    |       |    |    |    |    |    | N      | N | G | G | G | G |       |    |    |     |     |     |
|                   | A    |       |    |    |    |    |    | H      | H | S | H | H | H |       |    |    |     |     |     |
| 6ACP + 24S + 6ACP |      |       |    |    |    |    |    |        |   |   |   |   |   |       |    |    |     |     |     |



THIS DRAWING IS A CONTROLLED DOCUMENT.

|                  |   |  |                             |                    |                    |
|------------------|---|--|-----------------------------|--------------------|--------------------|
| DIMENSIONS:      | TOLERANCES UNLESS OTHERWISE SPECIFIED:  | OWN: R. GRZYBOWSKI 28FEB05   | CHK: M. PERCHERKE 28FEB05   | APVD: M. PERCHERKE | NAME: M. PERCHERKE |
| 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 | PRODUCT SPEC: 108-1973   | APPLICATION SPEC: 114-13038 | WEIGHT: -          | SIZE: A1           |
| MATERIAL:        |   | CAGE CODE: 100779  | DRAWING NO: 6450330         | SCALE: 4:1         | SHEET 13 OF 20     |
| CUSTOMER DRAWING |   | RIGHT ANGLE HEADER ASSEMBLY<br>SOLDER TAILS, W/GUIDES<br>MULTI-BEAM XL |                             | REV: R3            |                    |

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

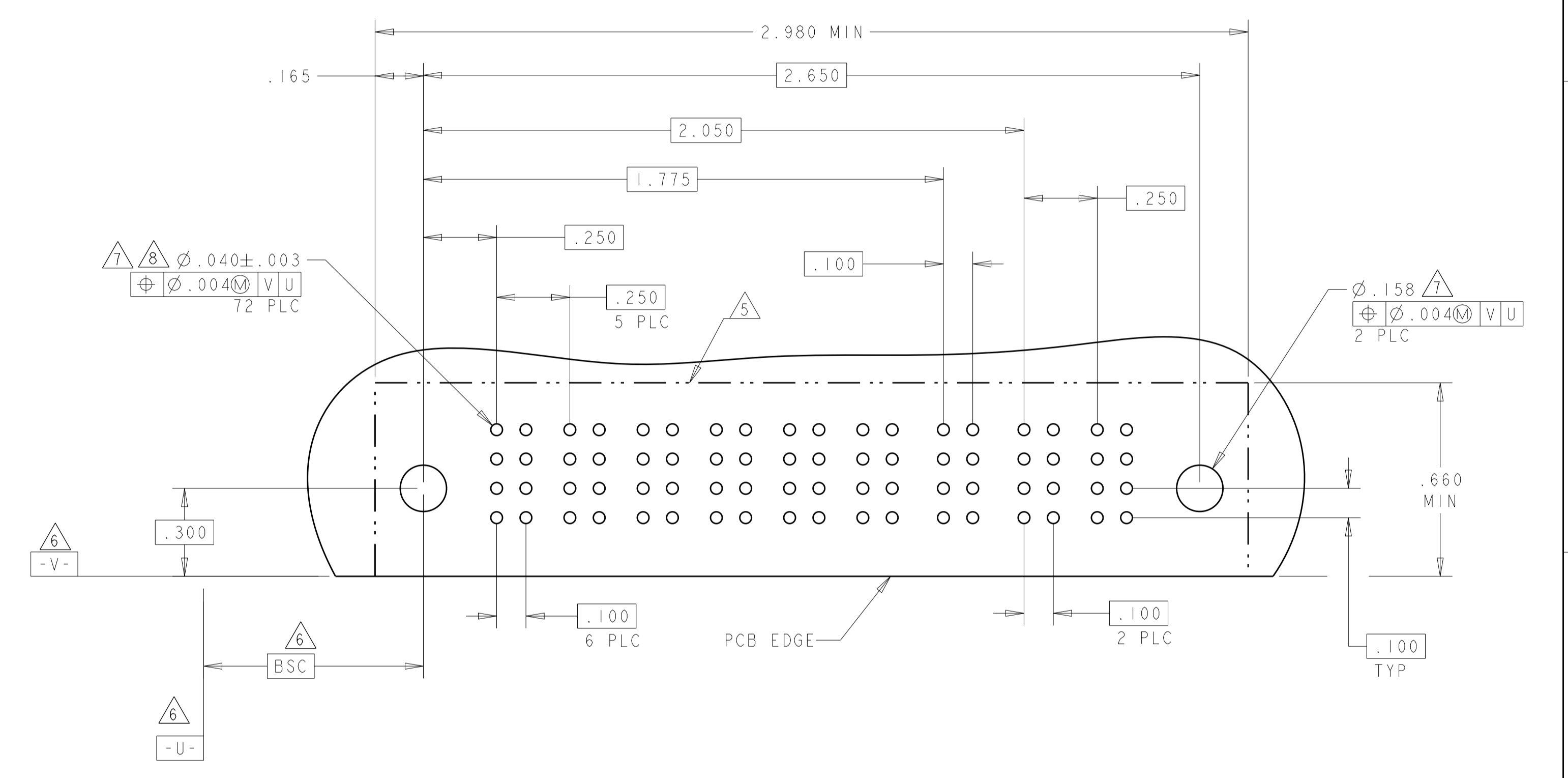
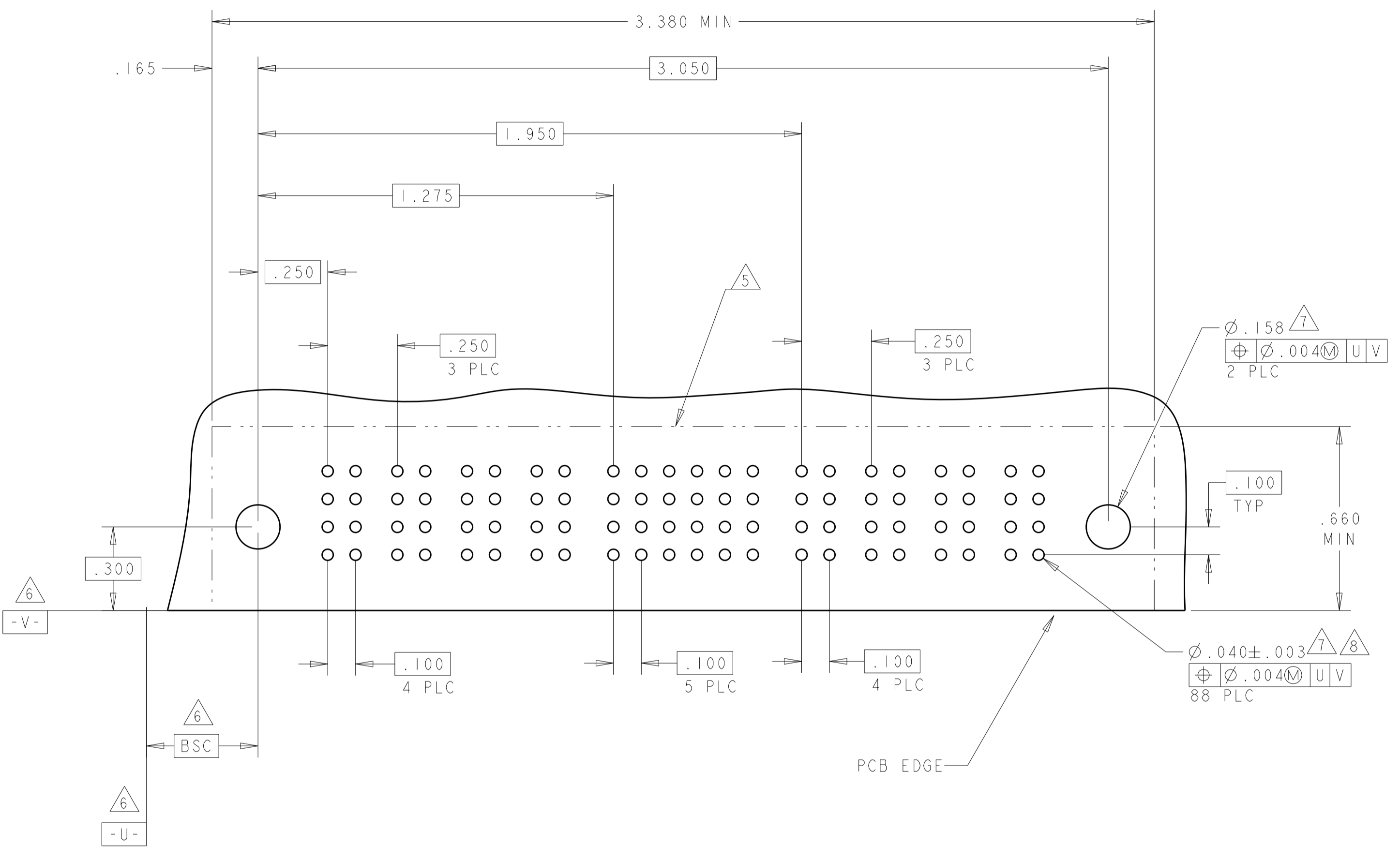
| REVISIONS |             | DATE | BY | APPV |
|-----------|-------------|------|----|------|
| -         | SEE SHEET 1 | -    | -  | -    |

| PART NUMBER | ROWS | POWER |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |
|-------------|------|-------|----|----|----|--------|---|---|---|---|---|-------|----|----|----|
|             |      | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | 6 | P5    | P6 | P7 | P8 |
| 3-6450330-7 | D    | PM    | PM | PM | PM | J      | J | J | J | J | J | PM    | PM | PM | PM |
|             | C    |       |    |    |    | K      | K | K | K | K | K |       |    |    |    |
|             | B    |       |    |    |    | N      | N | N | N | N | N |       |    |    |    |
|             | A    |       |    |    |    | H      | S | S | S | S | S |       |    |    |    |

4P + 24S + 4P

| PART NUMBER | ROWS | POWER |    |    |    |    |    | SIGNAL |   | POWER |    |
|-------------|------|-------|----|----|----|----|----|--------|---|-------|----|
|             |      | P1    | P2 | P3 | P4 | P5 | P6 | 1      | 2 | P7    | P8 |
| 5-6450330-9 | D    | PM    | PM | PM | PM | PM | PM | J      | J | PM    | PM |
|             | C    |       |    |    |    |    |    | K      | K |       |    |
|             | B    |       |    |    |    |    |    | N      | N |       |    |
|             | A    |       |    |    |    |    |    | FS     | S |       |    |

6P + 8S + 2P



THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R.GRZYBOWSKI 28FEB05  
 CHK: M.PERCHEKKE 28FEB05

**STE** TE Connectivity

RIGHT ANGLE HEADER ASSEMBLY  
 SOLDER TAILS, W/GUIDES  
 MULTI-BEAM XL

APVD: M.PERCHEKKE  
 PRODUCT SPEC: 108-1973  
 APPLICATION SPEC: 114-13038  
 WEIGHT: -  
 MATERIAL: -  
 FINISH: -

TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 0 PLC ±.  
 1 PLC ±.01  
 2 PLC ±.01  
 3 PLC ±.005  
 4 PLC ±.002  
 ANGLES ±.020

SIZE: A1  
 CAGE CODE: 6450330  
 DRAWING NO: 100779  
 CUSTOMER DRAWING

SCALE: 4:1  
 SHEET: 14 OF 20  
 REV: R3



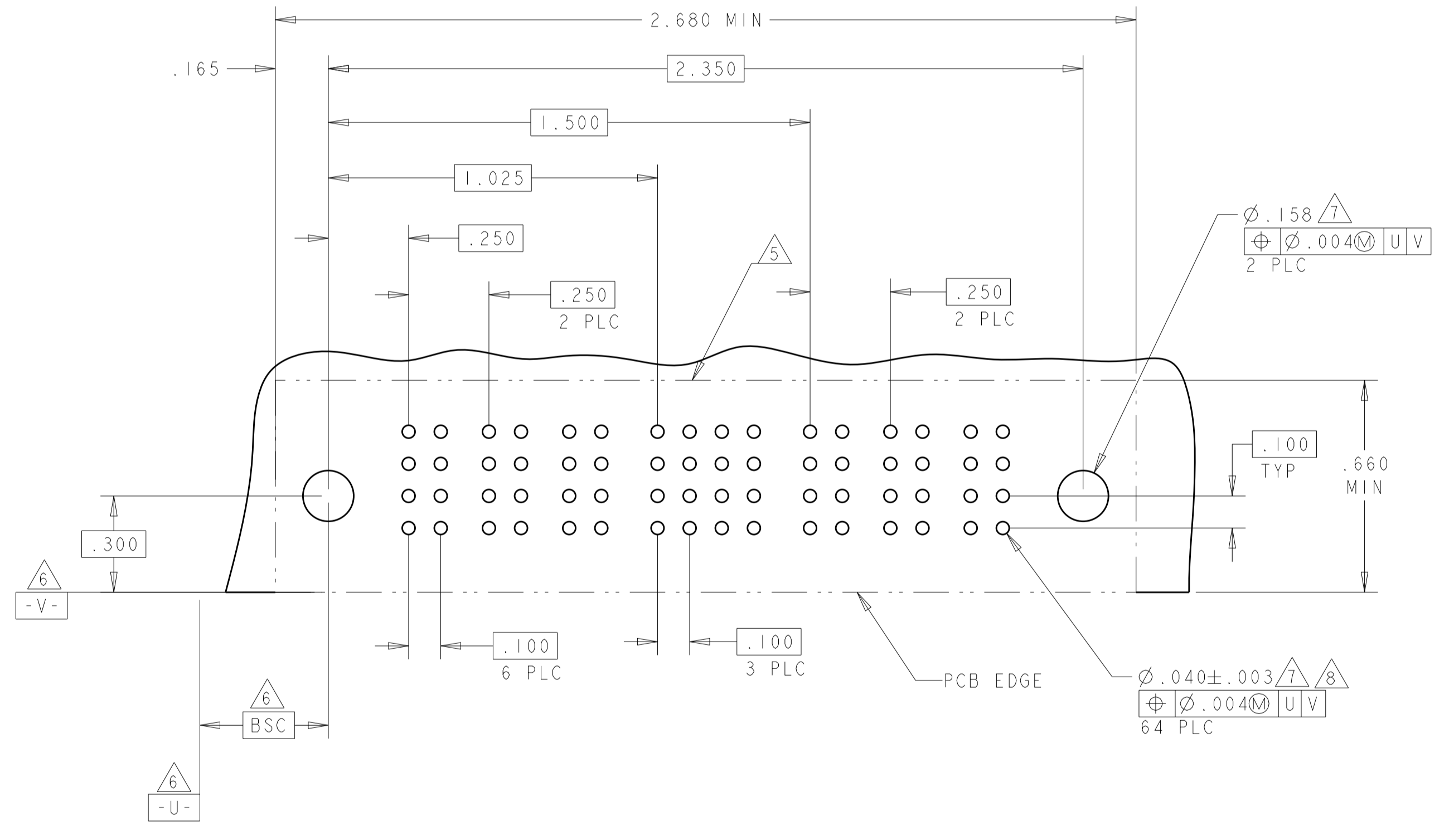
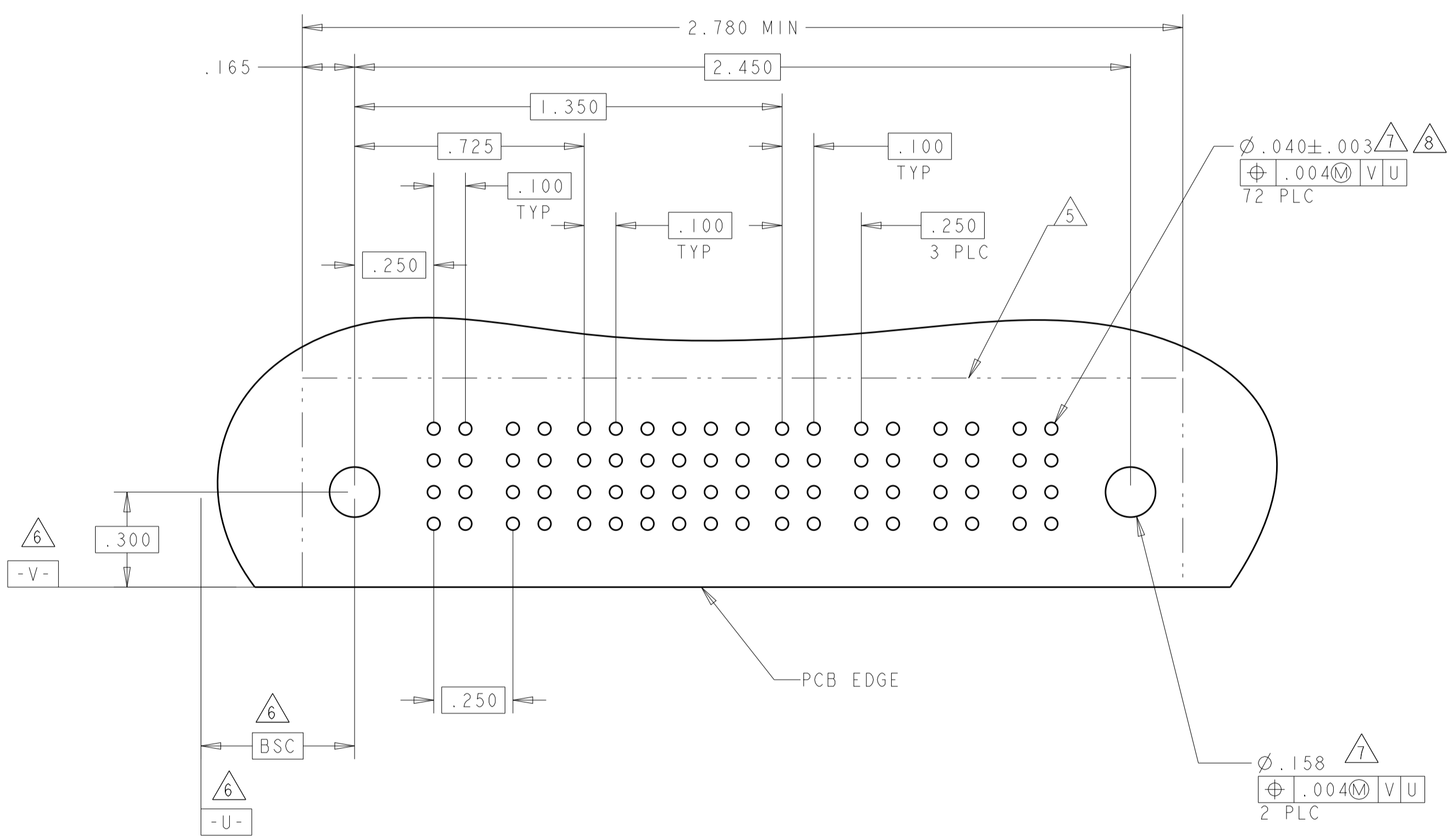


| LOC | DIST | REV | DATE | BY | APPD |
|-----|------|-----|------|----|------|
| ES  | 00   |     |      |    |      |

| PART NUMBER   | ROWS | POWER |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |
|---------------|------|-------|----|--------|---|---|---|---|---|-------|----|----|----|
|               |      | P1    | P2 | 1      | 2 | 3 | 4 | 5 | 6 | P3    | P4 | P5 | P6 |
| 3-6450330-5   | D    | PM    | PM | J      | J | J | E | J | J | PM    | PM | PM | PM |
|               | C    |       |    | K      | K | K | K | K |   |       |    |    |    |
|               | B    |       |    | N      | N | N | G | N | N |       |    |    |    |
|               | A    |       |    | S      | S | S | S | S | S |       |    |    |    |
| 2P + 24S + 4P |      |       |    |        |   |   |   |   |   |       |    |    |    |

(N6)

| PART NUMBER   | ROWS | POWER |    |    | SIGNAL |   |   |   | POWER |    |    |    |
|---------------|------|-------|----|----|--------|---|---|---|-------|----|----|----|
|               |      | P1    | P2 | P3 | 1      | 2 | 3 | 4 | P4    | P5 | P6 |    |
| 6-6450330-1   | D    | PM    | PM | PM | J      | J | J | J | PM    | PM | PM | PM |
|               | C    |       |    |    | K      | K | K | F |       |    |    |    |
|               | B    |       |    |    | G      | N | N | N |       |    |    |    |
|               | A    |       |    |    | S      | S | S | S |       |    |    |    |
| 3P + 16S + 3P |      |       |    |    |        |   |   |   |       |    |    |    |



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 ±.002 | ANGLES ±.2° | FINISH |
|--------------------|--|------------|------------|------------|-------------|-------------|-------------|--------|

|                             |         |                                   |
|-----------------------------|---------|-----------------------------------|
| OWN: R. GRZYBOWSKI          | 28FEB05 | NAME: RIGHT ANGLE HEADER ASSEMBLY |
| CHK: M. PERCHERKE           | 28FEB05 | SOLDER TAILS, W/GUIDES            |
| APVD: M. PERCHERKE          |         | MULTI-BEAM XL                     |
| PRODUCT SPEC: 108-1973      |         | SIZE: A1                          |
| APPLICATION SPEC: 114-13038 |         | CAGE CODE: 6450330                |
| WEIGHT: -                   |         | SCALE: 4:1                        |
| CUSTOMER DRAWING            |         | SHEET 16 OF 20                    |

REV 3





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

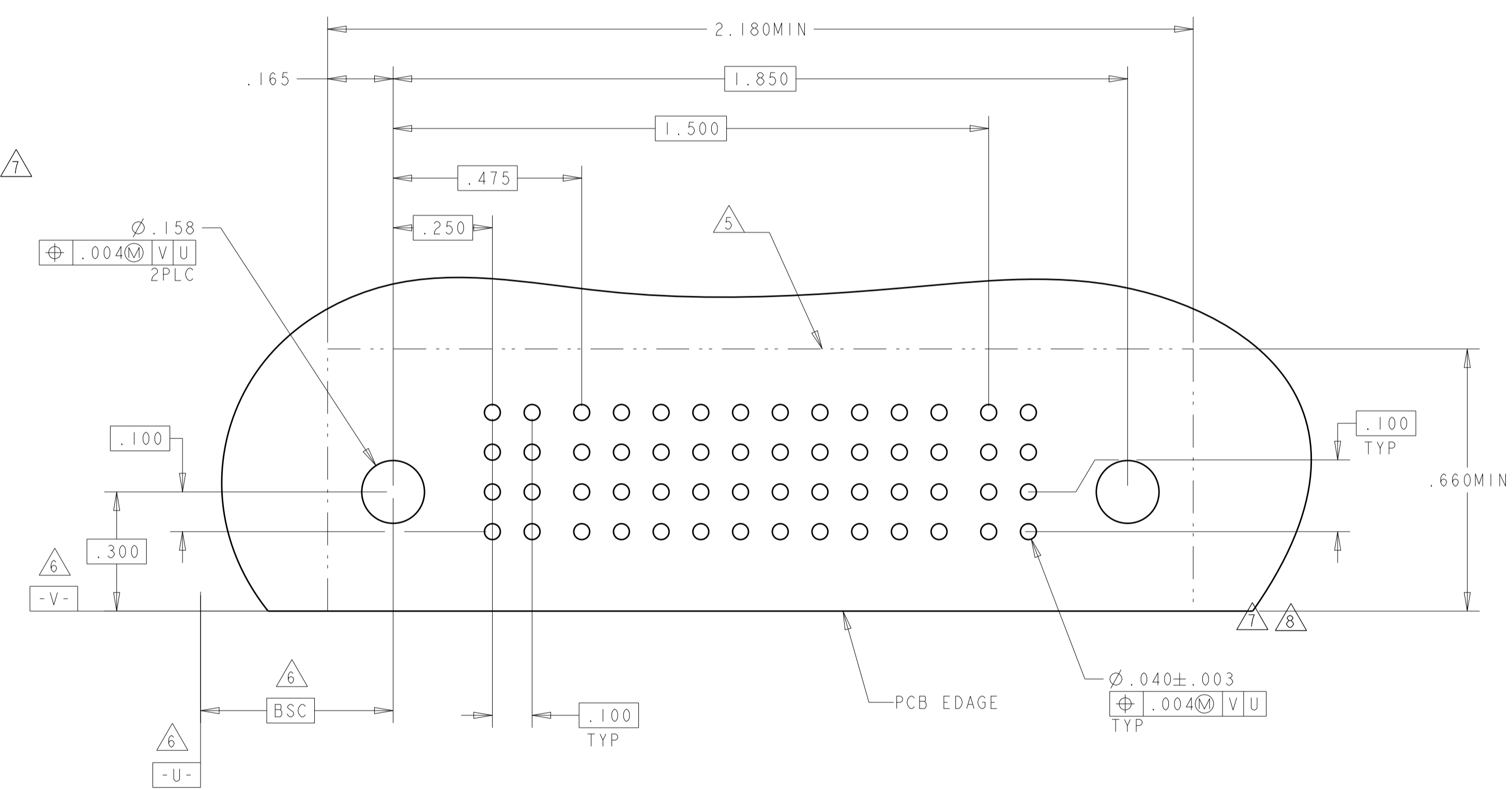
| PART NUMBER   | ROWS             | POWER |    | SIGNAL |   |   |   |   |   |   |   |   |    | POWER |    |    |    |
|---------------|------------------|-------|----|--------|---|---|---|---|---|---|---|---|----|-------|----|----|----|
|               |                  | P1    | P2 | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | P1    | P2 |    |    |
| 6-6450330-5   | D<br>C<br>B<br>A | PM    | PM | J      | J | J | J | J | J | J | J | J | J  | J     | J  | PM | PM |
|               |                  |       |    | K      | K | K | F | K | K | K | K | K | K  | K     | K  |    |    |
|               |                  |       |    | N      | N | N | N | N | N | N | N | N | N  | N     | N  |    |    |
| IP + 40S + IP |                  |       |    | S      | S | S | S | S | S | S | S | S | S  | S     | S  | S  | S  |

| PART NUMBER   | ROWS             | POWER |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |
|---------------|------------------|-------|----|--------|---|---|---|---|---|-------|----|----|----|
|               |                  | P1    | P2 | 1      | 2 | 3 | 4 | 5 | 6 | P1    | P2 |    |    |
| 6-6450330-6   | D<br>C<br>B<br>A | PM    | PM | J      | J | J | J | J | J | J     | J  | PM | PM |
|               |                  |       |    | K      | K | K | K | K | K | K     | K  |    |    |
|               |                  |       |    | N      | N | N | N | G | N | N     | N  |    |    |
| IP + 24S + IP |                  |       |    | S      | S | S | S | S | S | S     | S  | S  | S  |

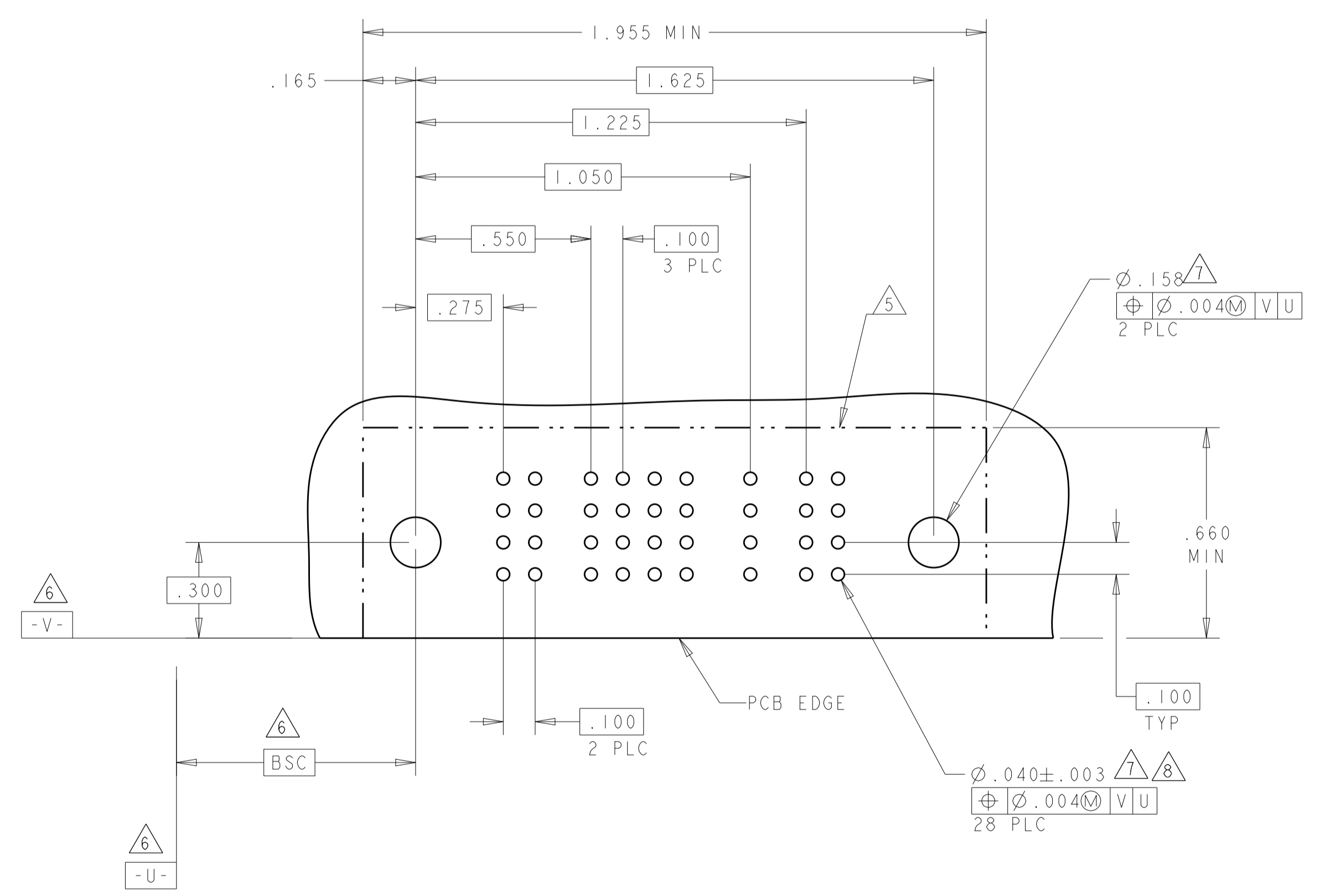
NO CONTACTS LOADED

| PART NUMBER   | ROWS             | POWER |    | SIGNAL |   |   |   |   |   | POWER |    |    |    |
|---------------|------------------|-------|----|--------|---|---|---|---|---|-------|----|----|----|
|               |                  | P1    | P2 | 1      | 2 | 3 | 4 | 5 | 6 | P1    | P2 |    |    |
| 6-6450330-7   | D<br>C<br>B<br>A | PM    | PM | J      | J | J | J | J | J | J     | J  | PM | PM |
|               |                  |       |    | K      | K | K | K | K | K | K     | K  |    |    |
|               |                  |       |    | N      | N | N | N | G | N | N     | N  |    |    |
| IP + 24S + IP |                  |       |    | S      | S | S | S | S | S | S     | S  | S  | S  |

NO CONTACTS LOADED



TE RECOMMENDED PCB LAYOUT



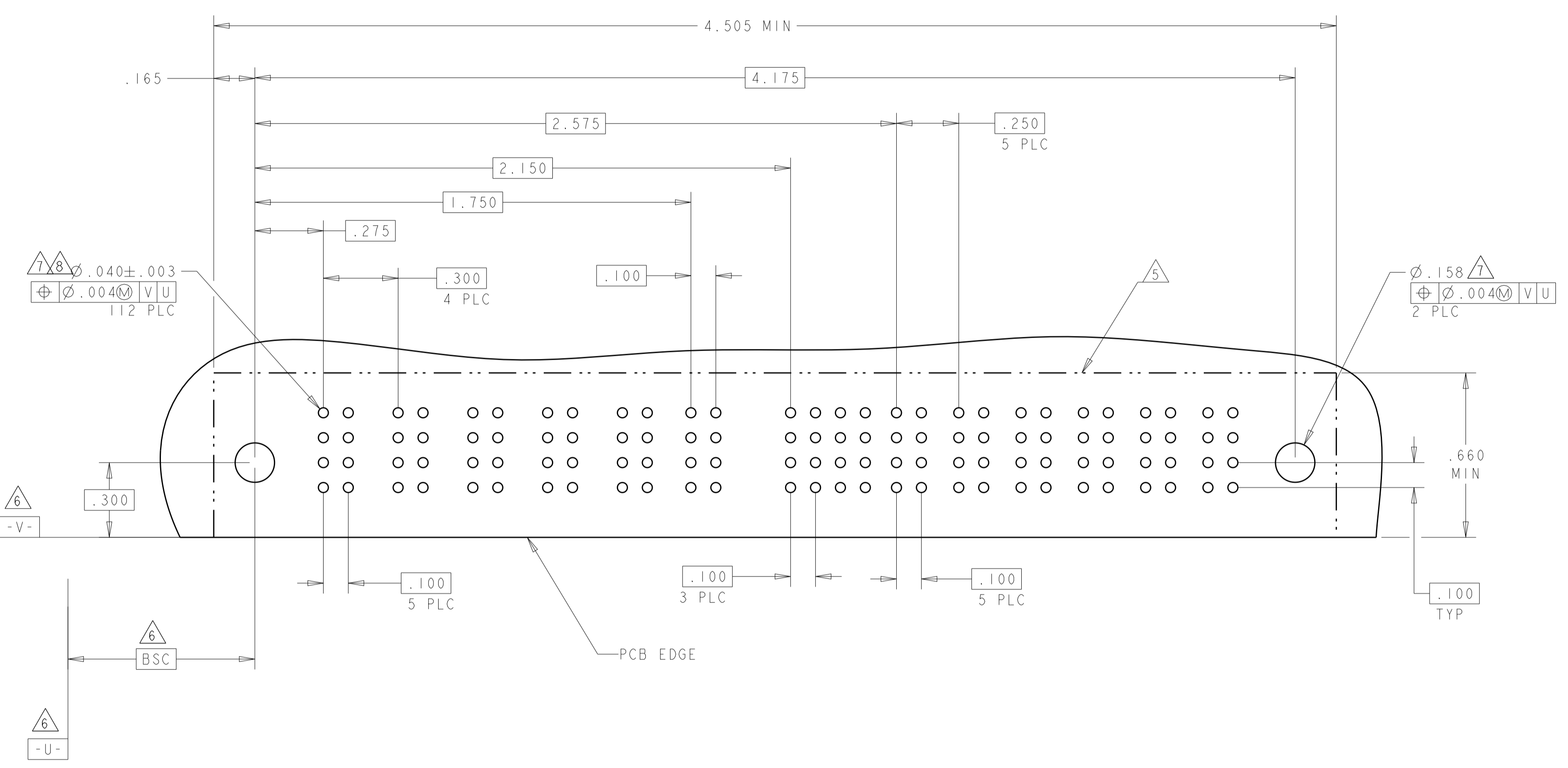
6-6450330-6 AND 6-6450330-7 PCB LAYOUT

|  |               |                             |  |
|--|---------------|-----------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |               | OWN: R. GRZYBOWSKI 28FEB05  | TE Connectivity  |
| DIMENSIONS: INCHES                     |               | CHK: M. PERCHERKE 28FEB05   |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |               | APVD: M. PERCHERKE          | NAME: RIGHT ANGLE HEADER ASSEMBLY SOLDER TAILS, W/GUIDES MULTI-BEAM XL |
| 0 PLC ±.01                             | 1 PLC ±.01    | PRODUCT SPEC: 108-1973      | SIZE: 114-13038  |
| 2 PLC ±.005                            | 3 PLC ±.005   | APPLICATION SPEC: 114-13038 | RESTRICTED TO: A100779   |
| 4 PLC ±.0020                           | ANGLES ±.0020 | WEIGHT: -                   | SCALE: 4:1   |
| MATERIAL: -                            | FINISH: -     | CUSTOMER DRAWING            | SHEET 18 OF 20 REV 3   |

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

| PART NUMBER     | ROWS             | POWER |    |    |    |    | SIGNAL |   |   |   |   |   |   |   | POWER |    |    |    |     |     |
|-----------------|------------------|-------|----|----|----|----|--------|---|---|---|---|---|---|---|-------|----|----|----|-----|-----|
|                 |                  | P1    | P2 | P3 | P4 | P5 | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | P6    | P7 | P8 | P9 | P10 | P11 |
| 6-6450330-8     | D<br>C<br>B<br>A | PM    | PM | PM | PM | PM | J      | J |   | J | J | J | J |   | PM    | PM | PM | PM | PM  | PM  |
|                 |                  |       |    |    |    |    | K      | K |   | F | K | K | K |   |       |    |    |    |     |     |
|                 |                  |       |    |    |    |    | N      | N |   | N | N | N | N |   |       |    |    |    |     |     |
| 5ACP + 32S + 6P |                  |       |    |    |    |    | S      | S |   | S | S | S | S |   |       |    |    |    |     |     |

NO CONTACTS LOADED

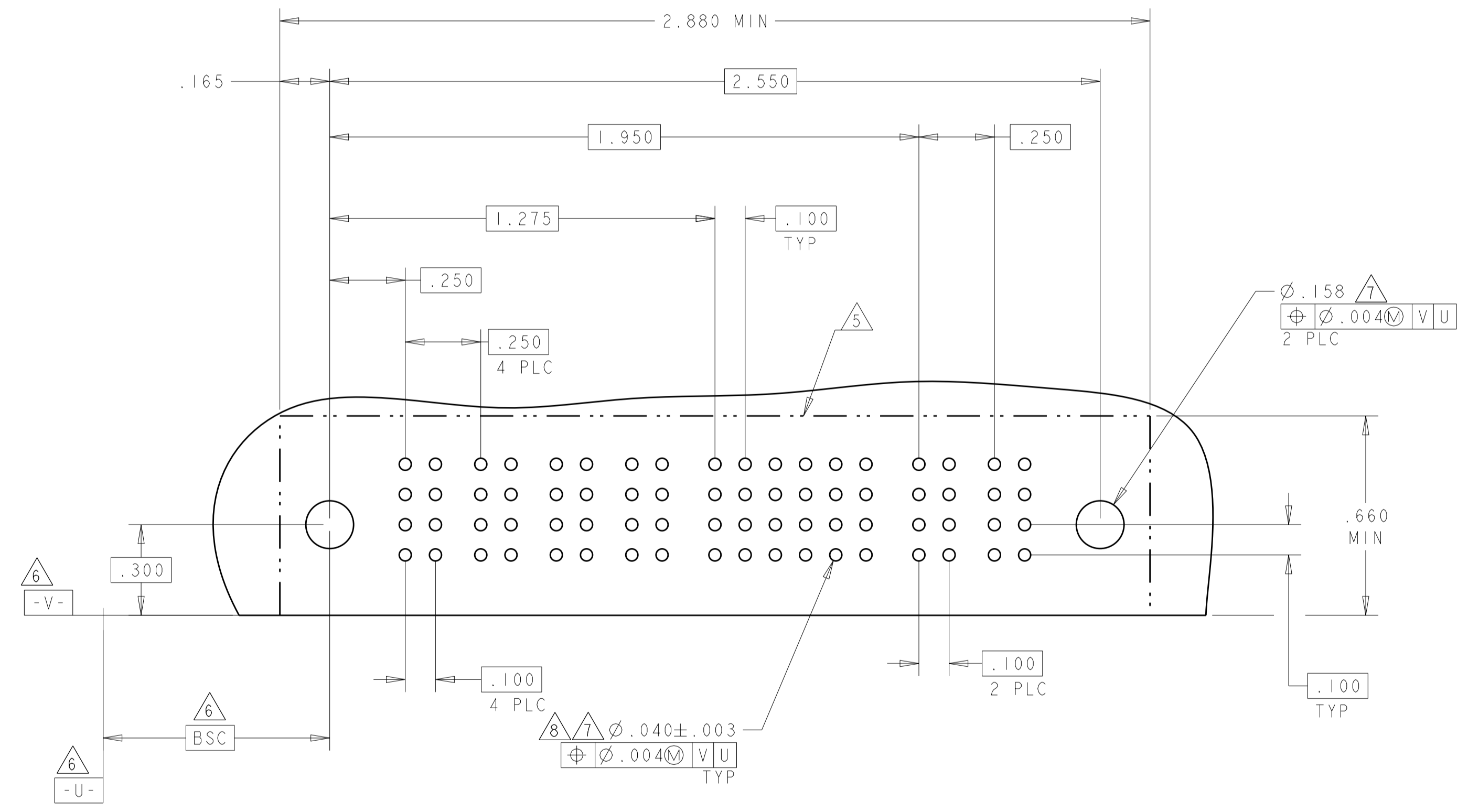


|  |  |  |                    |                     |
|--|--|--|--------------------|---------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | OWN<br>R. GRZYBOWSKI<br>CHK<br>M. PERCHERKE<br>APVD<br>M. PERCHERKE            | 28FEB05<br>28FEB05 | <br>TE Connectivity |
| DIMENSIONS:<br>INCHES                  | TOLERANCES UNLESS OTHERWISE SPECIFIED: | NAME<br>RIGHT ANGLE HEADER ASSEMBLY<br>SOLDER TAILS, W/GUIDES<br>MULTI-BEAM XL |                    |                     |
|  | 0 PLC ±                                | PRODUCT SPEC   | SIZE               | RESTRICTED TO       |
|  | 1 PLC ±.01                             | 108-1973   | A100779            |                     |
|  | 2 PLC ±.01                             | APPLICATION SPEC   | CAGE CODE          |                     |
|  | 3 PLC ±.005                            | 114-13038  | DRAWING NO         |                     |
|  | 4 PLC ±.0020                           | WEIGHT   | 6450330            |                     |
|  | ANGLES ±.2°                            | CUSTOMER DRAWING   | SCALE              |                     |
| MATERIAL                               | FINISH                                 | SCALE  | 4:1                |                     |
|  |  | SHEET  | 19                 |                     |
|  |  | OF   | 20                 |                     |
|  |  | REV  | R3                 |                     |

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

| PART NUMBER | ROWS | POWER |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |
|-------------|------|-------|----|----|----|--------|---|---|---|---|---|-------|----|
|             |      | P1    | P2 | P3 | P4 | 1      | 2 | 3 | 4 | 5 | 6 | P5    | P6 |
| 7-6450330-2 | D    | PM    | PM | PM | PM | J      | J | J | J | J | J | PM    | PM |
|             | C    |       |    |    |    | K      | K | K | K | K | K |       |    |
|             | B    |       |    |    |    | N      | N | N | N | N | N |       |    |
|             | A    |       |    |    |    | H      | H | H | H | H |   |       |    |

4P + 24S + 2P



|  |  |                             |  |
|--|--|-----------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.   |  | DMN: R.GRZYBOWSKI 28FEB05   | TE Connectivity  |
| DIMENSIONS: INCHES   |  | CHK: M.PERCHEKKE 28FEB05    |  |
| DIMENSIONS: INCHES<br>0 PLC ±.<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° |  | APVD: M.PERCHEKKE           | NAME: RIGHT ANGLE HEADER ASSEMBLY SOLDER TAILS, W/GUIDES MULTI-BEAM XL |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:   |  | PRODUCT SPEC: 108-1973      | RESTRICTED TO:   |
| MATERIAL:  |  | APPLICATION SPEC: 114-13038 | SIZE: A1   |
| FINISH:  |  | WEIGHT:                     | CAGE CODE: 6450330   |
|  |  | CUSTOMER DRAWING            | SCALE: 4:1 SHEET 20 OF 20 REV: R3                                      |

单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)