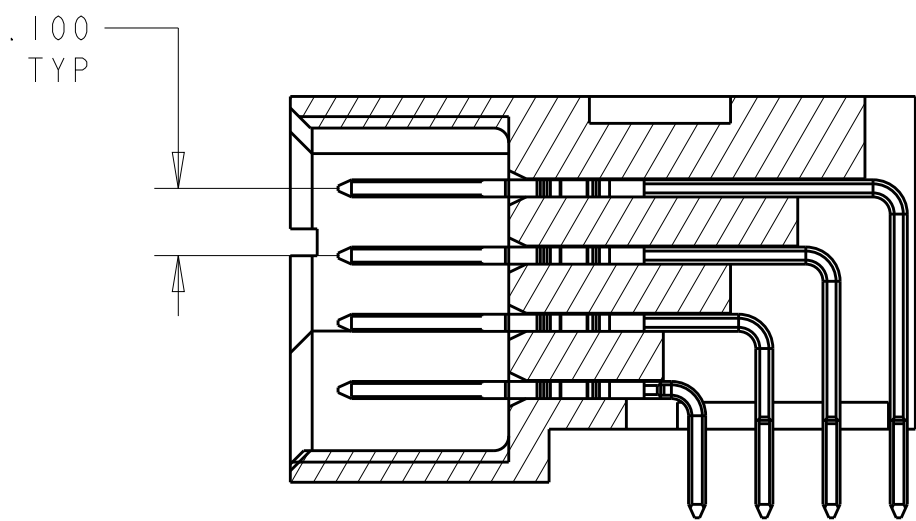
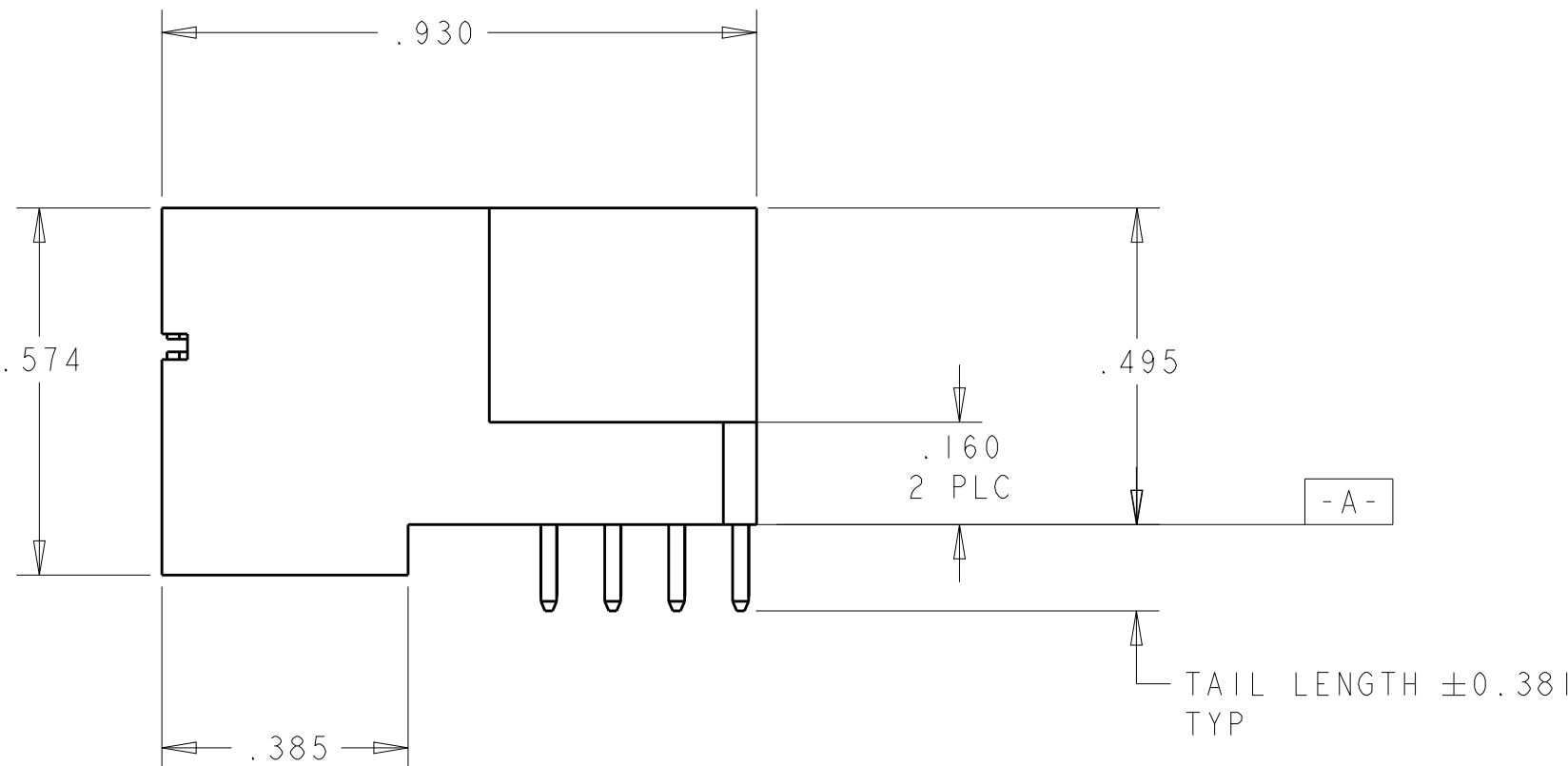
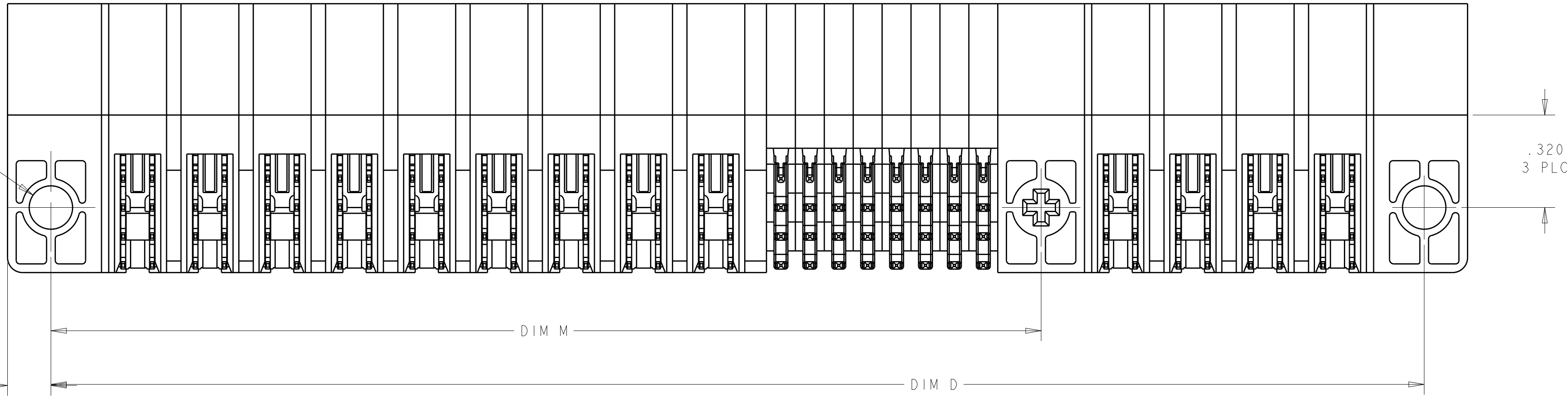
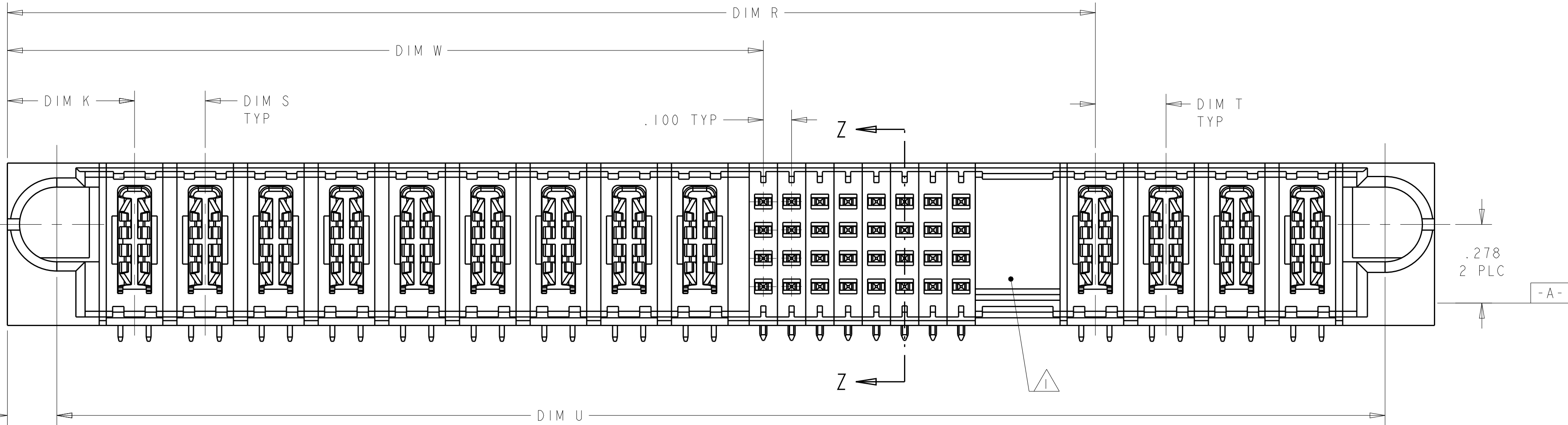
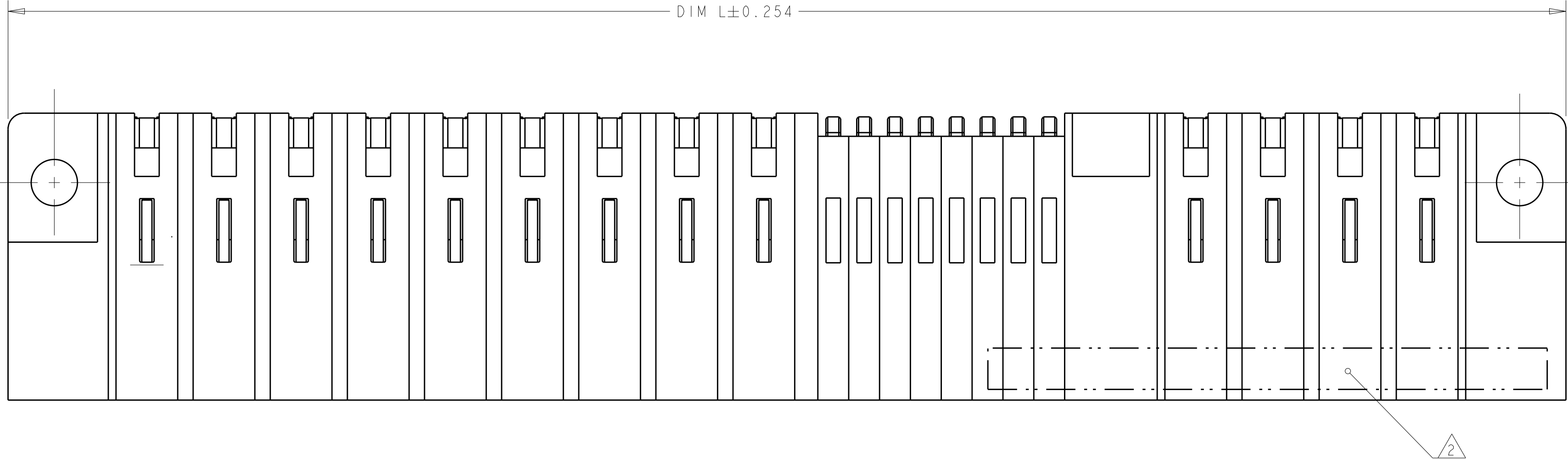


| LOC | DIST | REVISIONS |                       |                           |           |     |      |  |
|-----|------|-----------|-----------------------|---------------------------|-----------|-----|------|--|
| ES  | 00   |           |                       |                           |           |     |      |  |
|     |      | P         | LTR                   | DESCRIPTION               | DATE      | DWN | APVD |  |
|     |      |           | 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.                                               |  | DWN<br>R.GRZYBOWSKI<br>CHK<br>M.PERCHEKKE<br>APVD<br>M.PERCHEKKE | 28FEB05<br>28FEB05 | TE Connectivity                                                        |                    |
| DIMENSIONS:<br>INCHES                                                                |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                        |                    | NAME                                                                   |                    |
| 0 PLC ±.01<br>1 PLC ±.01<br>2 PLC ±.01<br>3 PLC ±.005<br>4 PLC ±.0020<br>ANGLES ±.2° |  | PRODUCT SPEC<br>108-1973<br>APPLICATION SPEC<br>114-13038        |                    | RIGHT ANGLE HEADER ASSEMBLY<br>SOLDER TAILS, W/GUIDES<br>MULTI-BEAM XL |                    |
| MATERIAL                                                                             |  | WEIGHT                                                           |                    | SIZE<br>A100779                                                        | RESTRICTED TO<br>- |
| 3                                                                                    |  | 4                                                                |                    | CAGE CODE<br>6450330                                                   | REV<br>R3          |
| CUSTOMER DRAWING                                                                     |  | SCALE<br>4:1                                                     |                    | SHEET<br>1                                                             | OF<br>20           |

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

|       |      |      |       |       |       |   |       |      |                      |             |
|-------|------|------|-------|-------|-------|---|-------|------|----------------------|-------------|
| 1.575 | -    | -    | 1.425 | .700  | 1.625 | - | 1.925 | .475 | IP + 24S + IP        | 6-6450330-7 |
| 1.575 | -    | -    | 1.425 | .700  | 1.625 | - | 1.925 | .475 | IP + 24S + IP        | 6-6450330-6 |
| 1.800 | -    | -    | 1.700 | .625  | 1.850 | - | 2.150 | .450 | IP + 40S + IP        | 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 + IP        | 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 + IP        | 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 + IP        | 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 + IP        | 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 + IP        | 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 + IP + 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 + IP        | 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 + IP   | 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.

DIMENSIONS:  
INCHES

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN  
R. GRZYBOWSKI  
CHK  
M. PERCHERKE  
APVD  
M. PERCHERKE

28FEB05  
28FEB05

NAME

PRODUCT SPEC  
108-1973

APPLICATION SPEC  
114-13038

WEIGHT  
-

CUSTOMER DRAWING

TE Connectivity

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

SIZE  
A1

CAGE CODE  
00779

DRAWING NO  
6450330

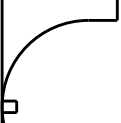
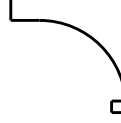
RESTRICTED TO  
-

SCALE  
4:1

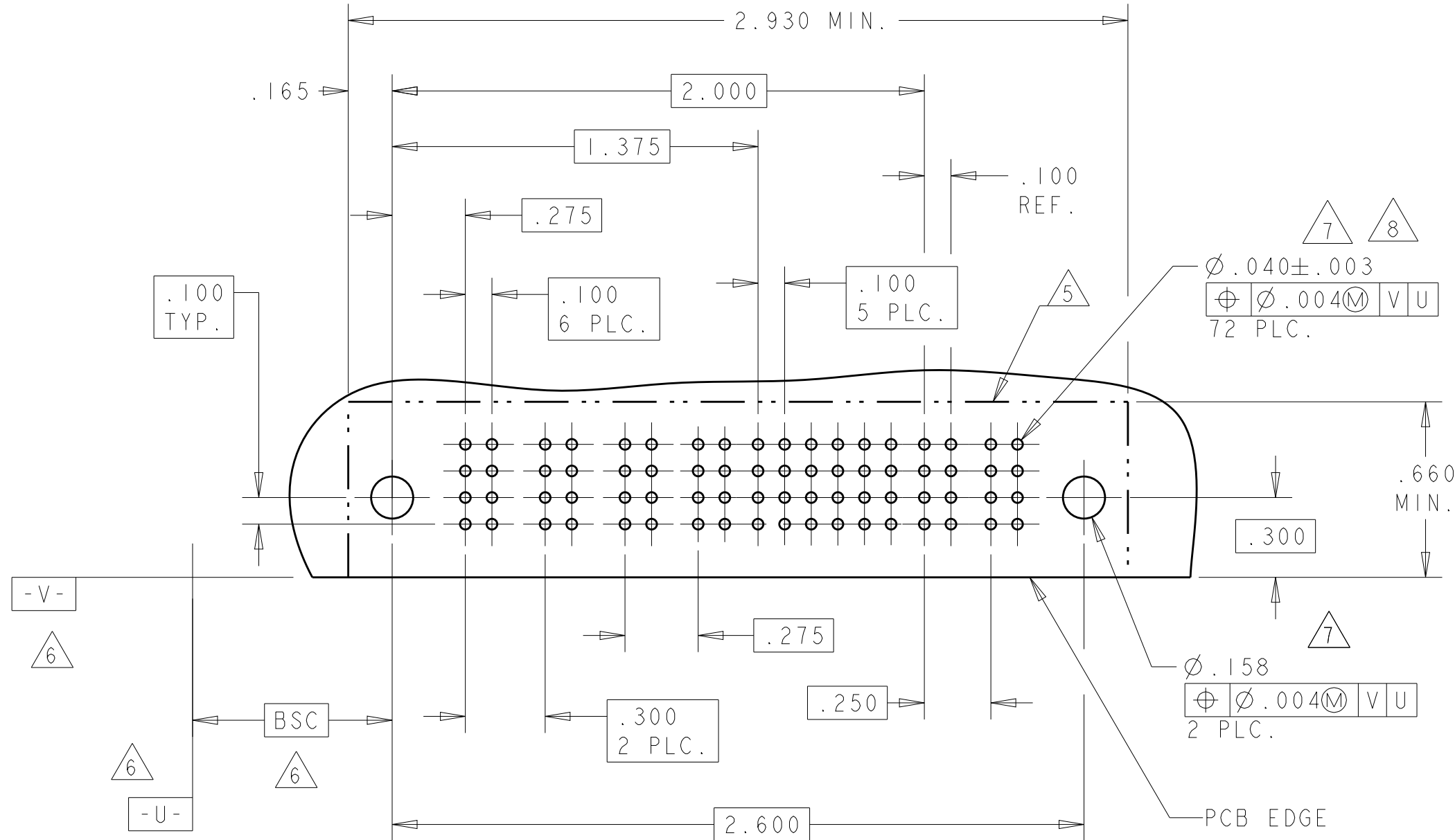
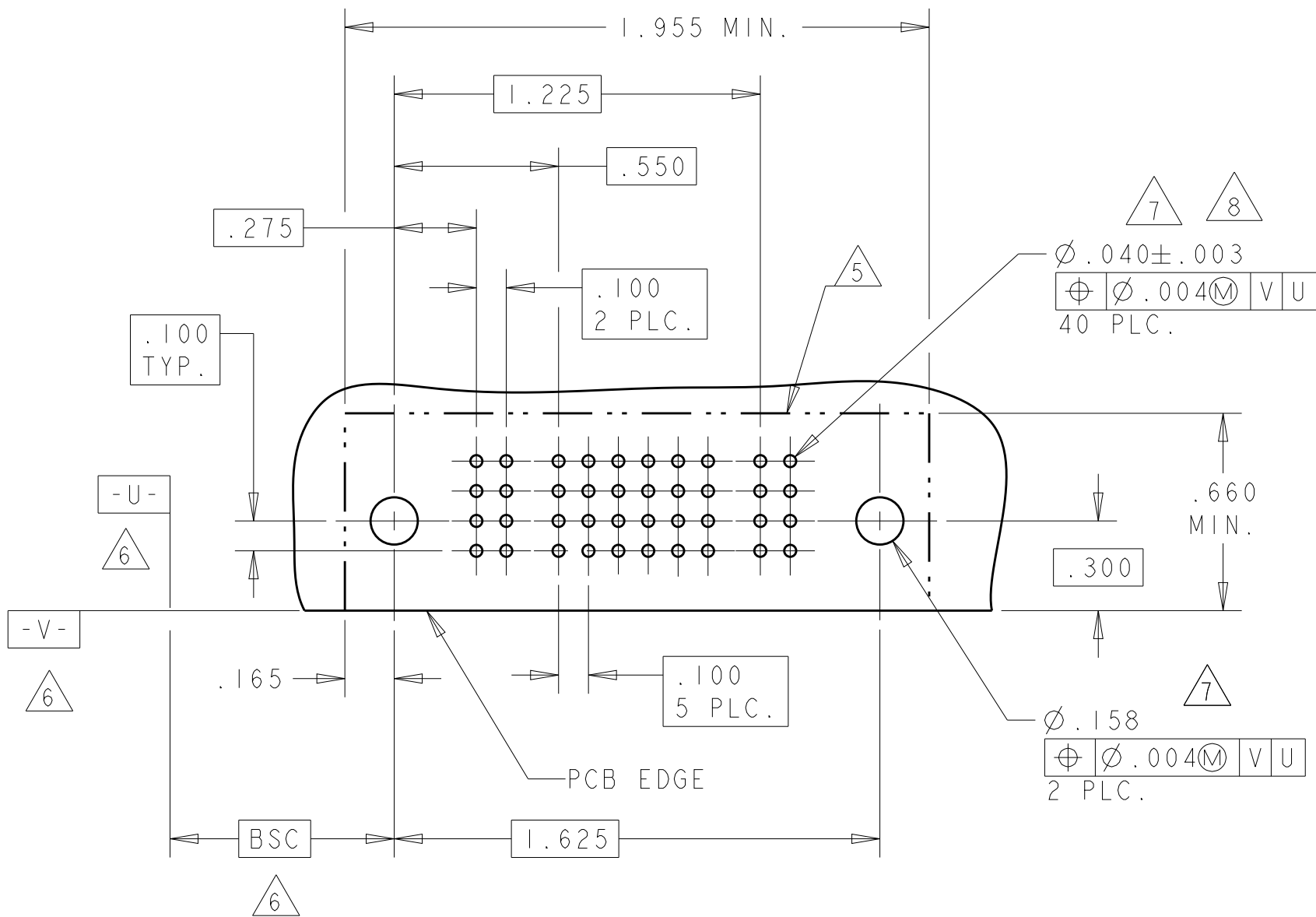
SHEET  
2

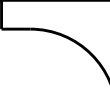
OF  
20

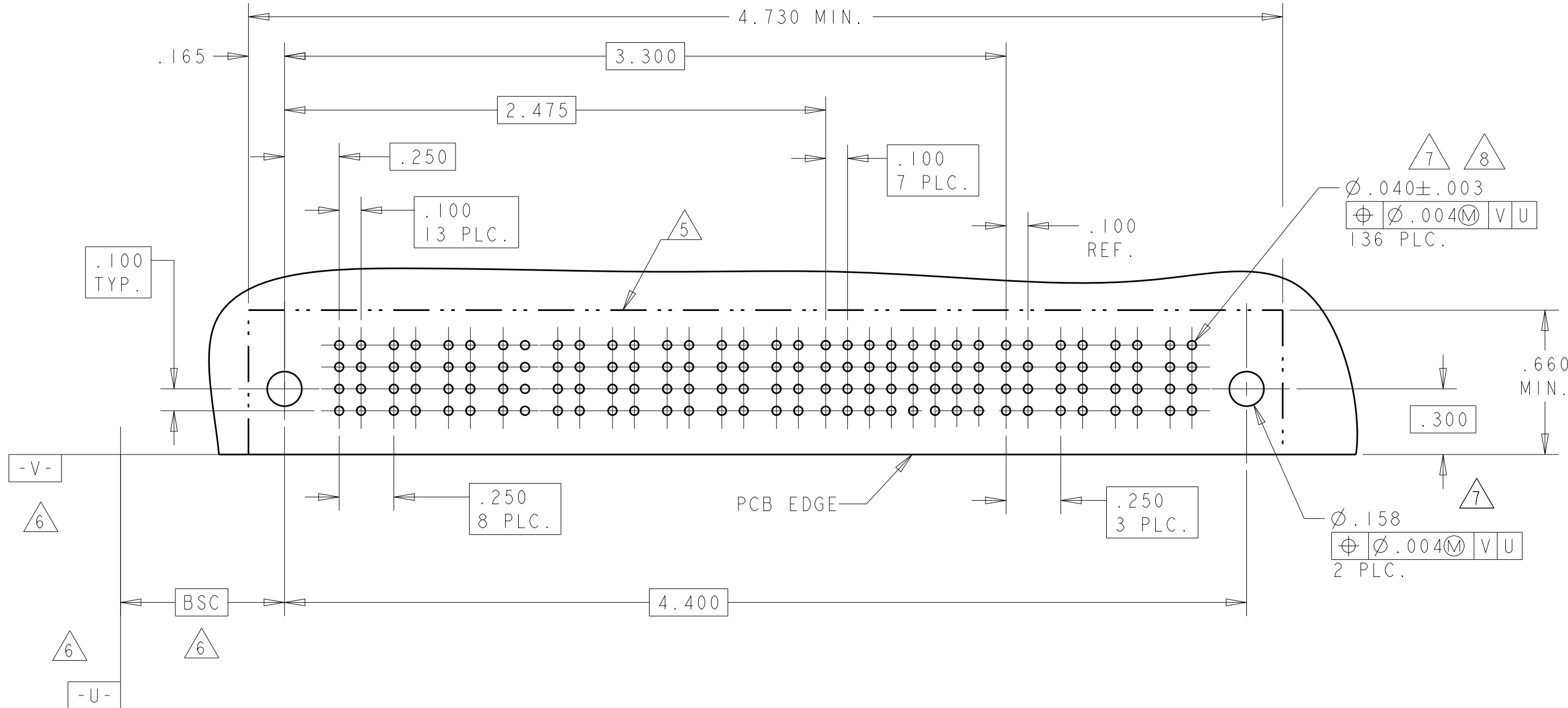
REV  
R3

|               |  |                  |  |                                                                                    |       |        |   |   |   |   |   |    |                                                                                     |       |  |  |  |  |  |
|---------------|--|------------------|--|------------------------------------------------------------------------------------|-------|--------|---|---|---|---|---|----|-------------------------------------------------------------------------------------|-------|--|--|--|--|--|
|               |  |                  |  |                                                                                    |       |        |   |   |   |   |   |    |                                                                                     |       |  |  |  |  |  |
| 6             |  |                  |  |                                                                                    |       |        |   |   |   | 5 |   |    |                                                                                     |       |  |  |  |  |  |
| PART NUMBER   |  | ROWS             |  |                                                                                    | POWER | SIGNAL |   |   |   |   |   |    |                                                                                     | POWER |  |  |  |  |  |
|               |  |                  |  |                                                                                    |       | P1     | 1 | 2 | 3 | 4 | 5 | 6  | P2                                                                                  |       |  |  |  |  |  |
| 4-6450330-7   |  | D<br>C<br>B<br>A |  |  | PM    | E      | E | E | E | E | J | 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 + 1P + 24S + 2P |                  |                                                                                     |  .275 REF.  |    |    |    |        |   |   |   |   |   |       |    |                                                                                     |



| 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 |  |  |  |  |  |  |  |  |  |  | J      | J | J | J | J | E | E | E |  |  |  |  |  |  |  |
|               |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 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 |                  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |        |   |   |   |   |   |   |   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |  |  |



|                |                 |             |     |
|----------------|-----------------|-------------|-----|
| 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           | MATING SEQUENCE | TAIL LENGTH | ROW |
| SIGNAL CONTACT |                 |             |     |

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN R.GRZYBOWSKI 28FEB05  
CHK M.PERCHEKKE 28FEB05  
APVD M.PERCHEKKE

DIMENSIONS:  
INCHES

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

PRODUCT SPEC  
108-1973

APPLICATION SPEC  
114-13038

WEIGHT  
-

CUSTOMER DRAWING

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

SIZE  
A1

CAGE CODE  
00779

DRAWING NO  
6450330

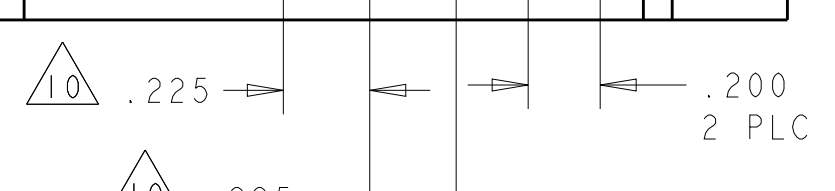
RESTRICTED TO  
-

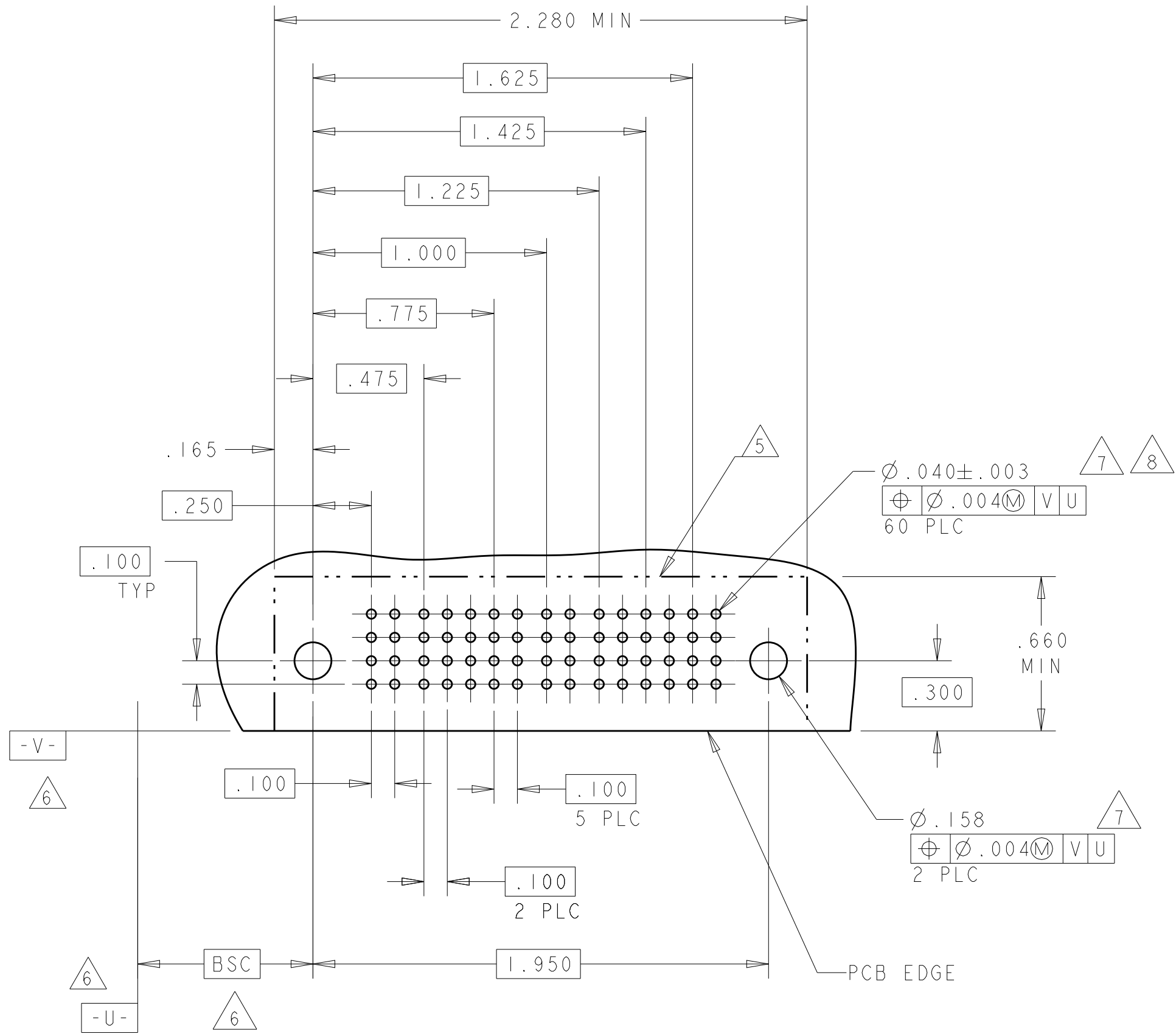
SCALE  
4:1

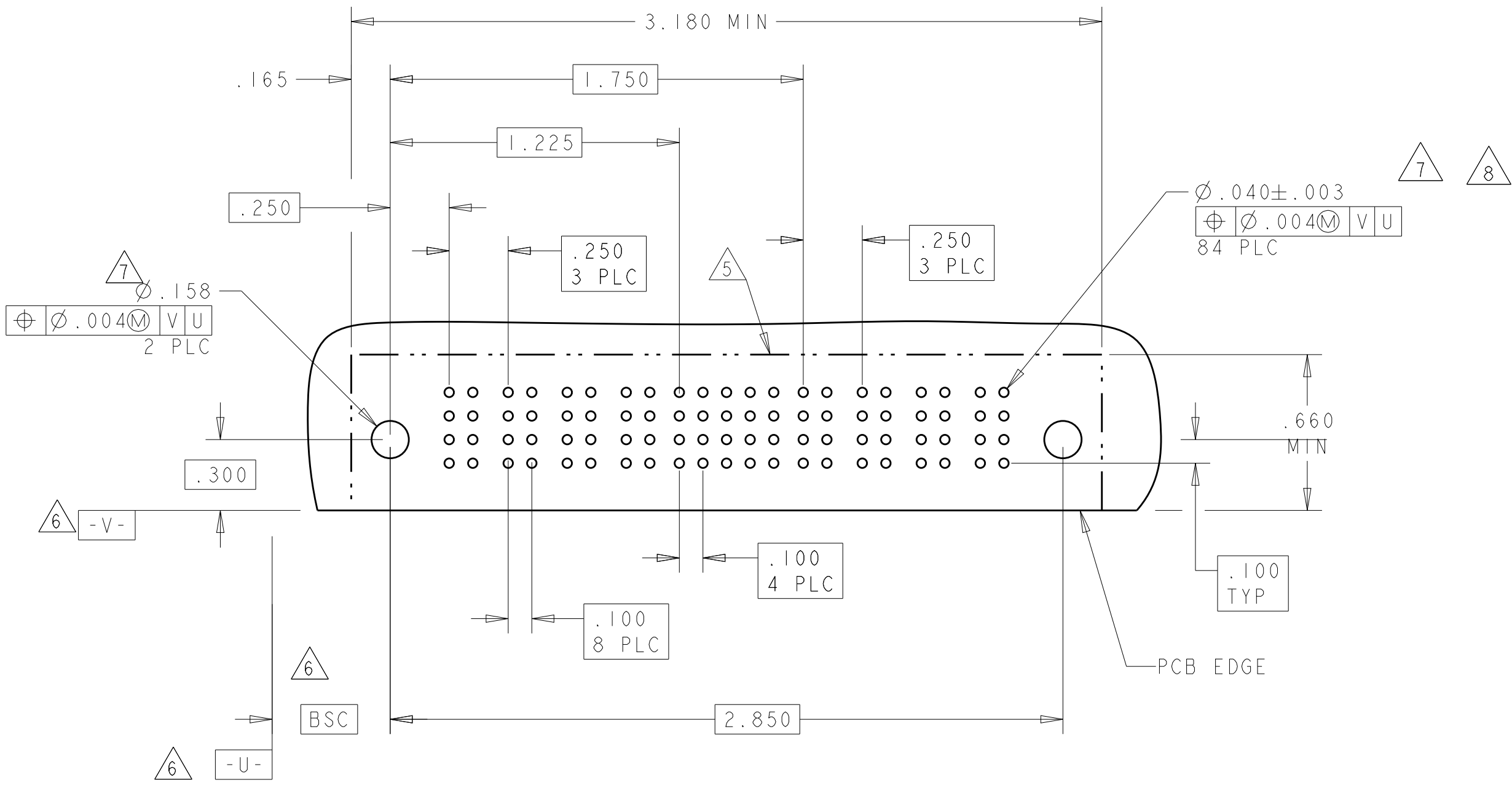
SHEET  
3

OF  
20

REV  
R3

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

4805 (3/11)

[illegible]

1.955 MIN

.165

1.225

.550

.275

.100  
2 PLC

5

$\varnothing .040 \pm .003$   
40 PLC

7

8

.100  
TYP

.660 MIN

.300

6 -V-

6

7

.100  
5 PLC

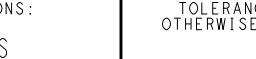
1.625

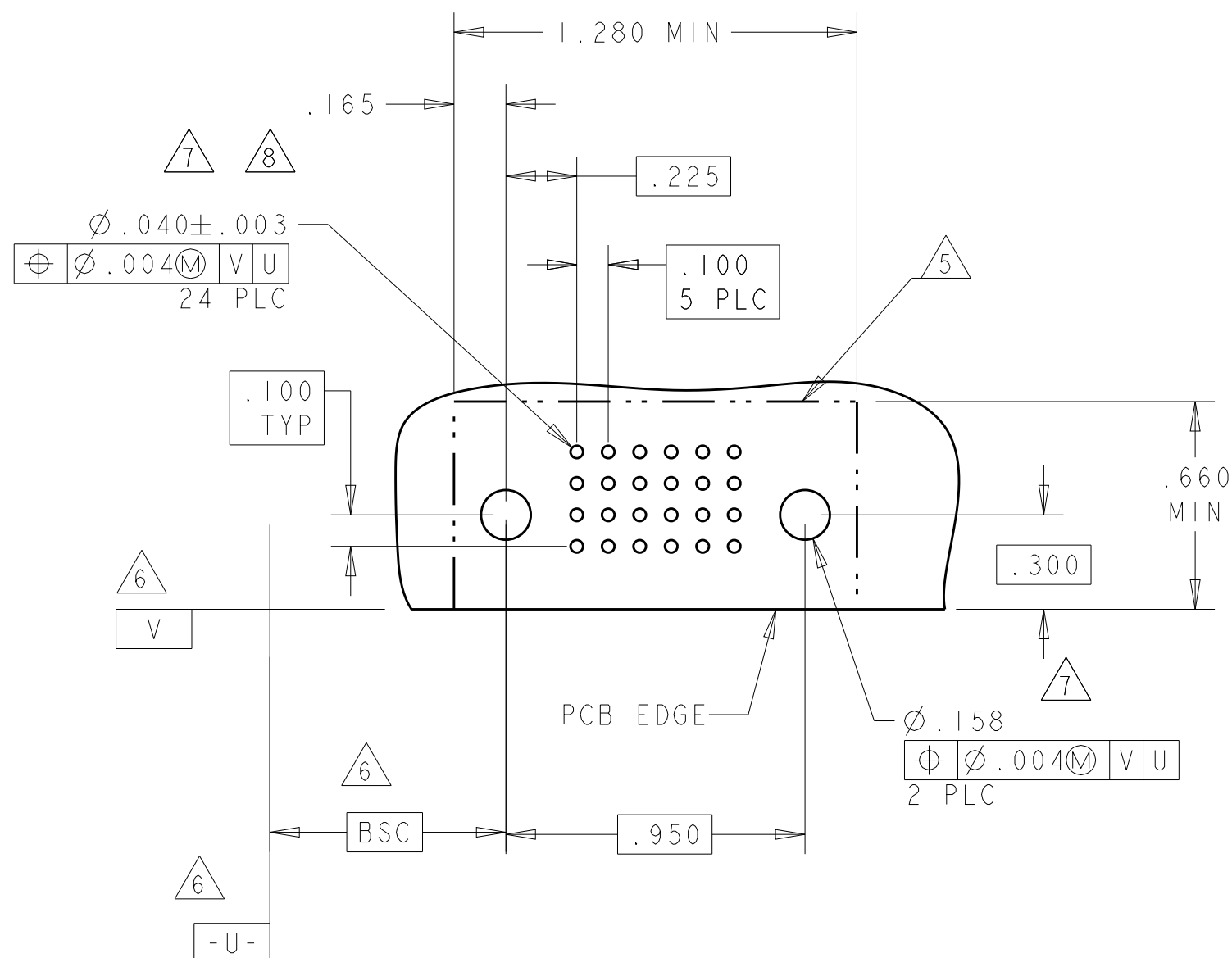
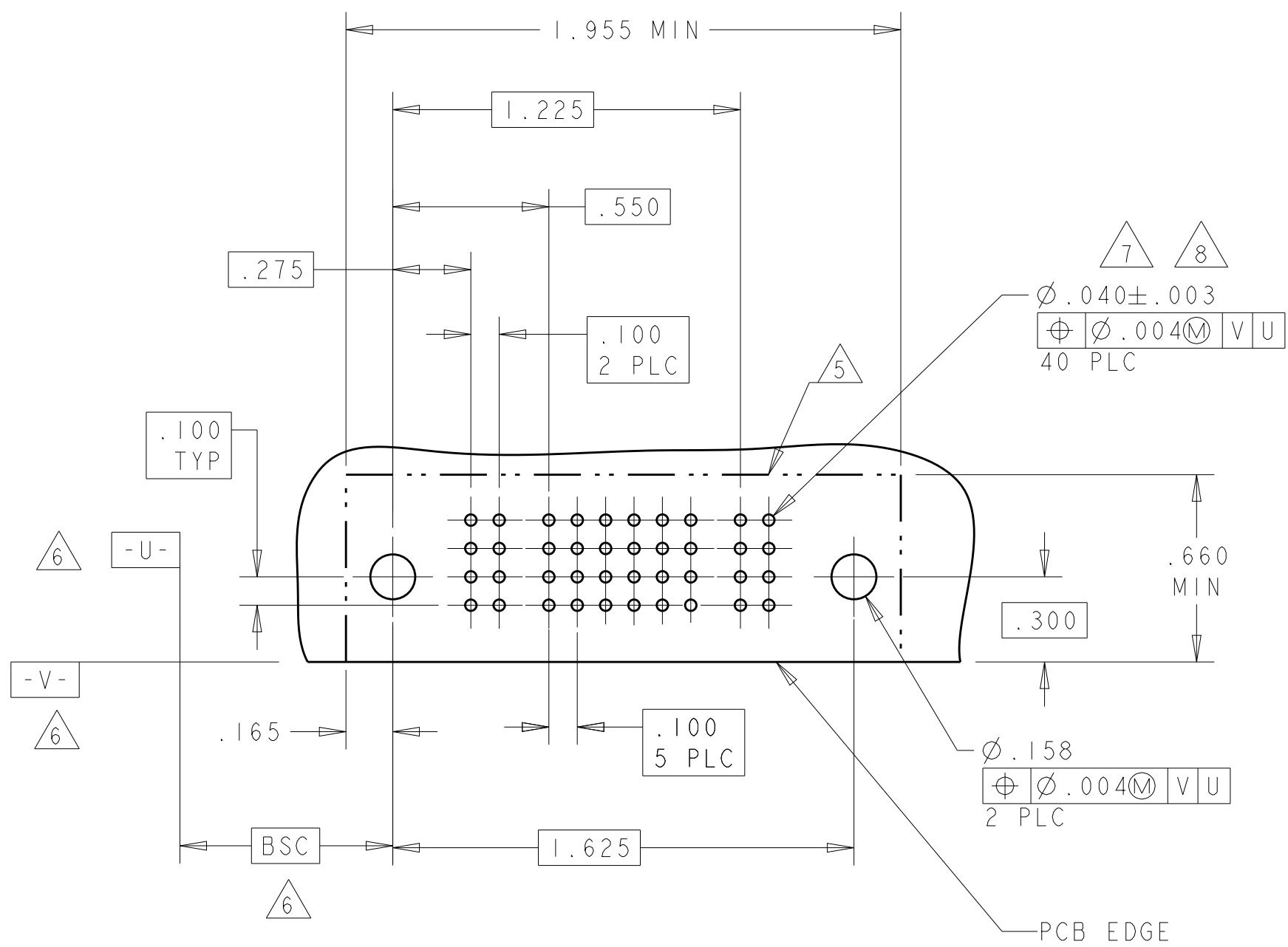
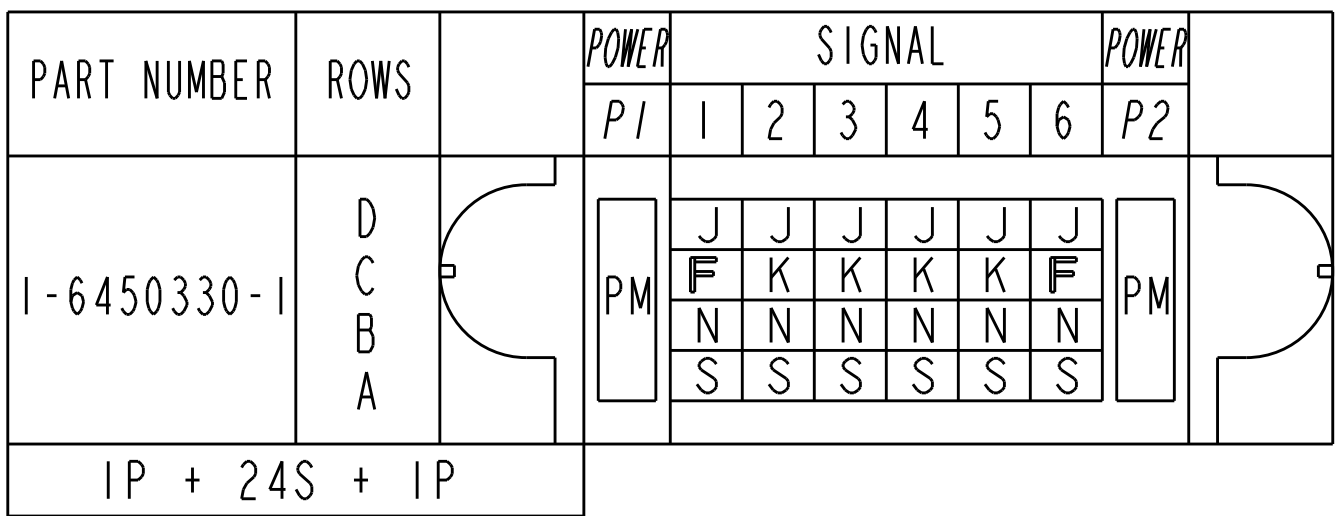
BSC

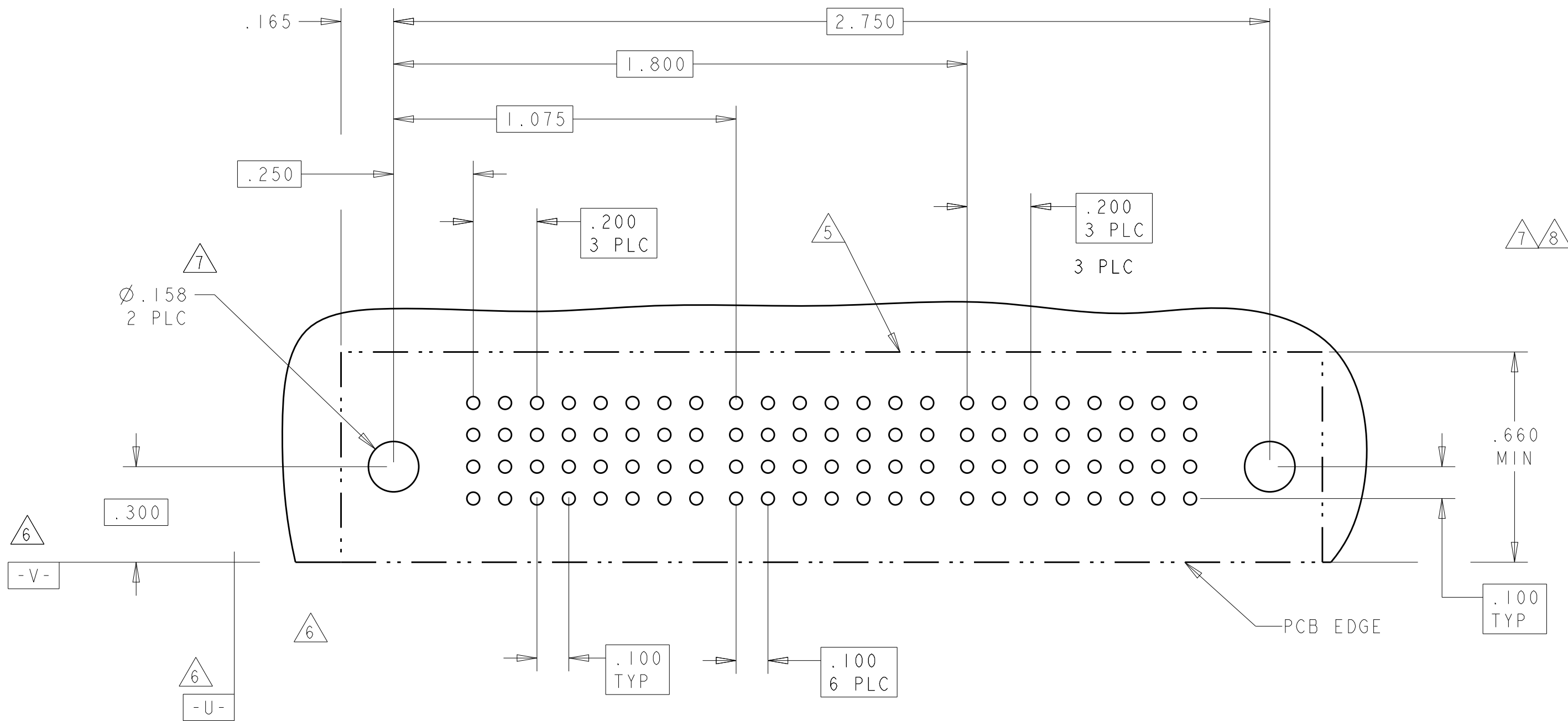
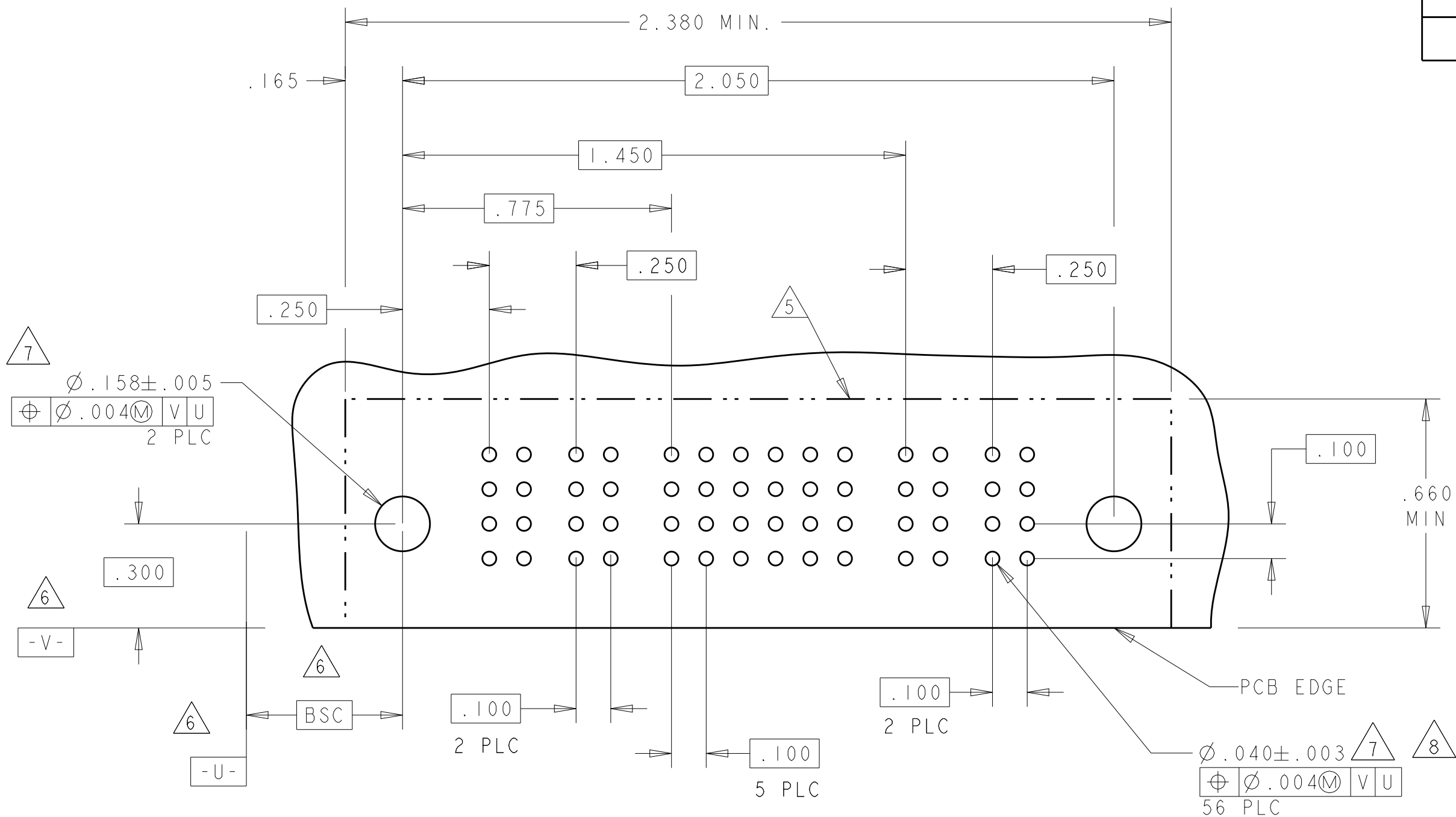
6 -U-

$\varnothing .158$   
2 PLC

PCB EDGE

|                                                                                       |  |                                        |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|----------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN R. GRZYBOWSKI 28FEB05              |  |  TE Connectivity |  |
| DIMENSIONS:                                                                           |  | CHK M. PERCHERKE 28FEB05               |  |                                                                                                       |  |
| INCHES                                                                                |  | APVD M. PERCHERKE -                    |  | NAME                                                                                                  |  |
|  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | RIGHT ANGLE HEADER ASSEMBLY                                                                           |  |
|                                                                                       |  | PRODUCT SPEC                           |  | SOLDER TAILS, W/GUIDES                                                                                |  |
|                                                                                       |  | 108-1973                               |  | MULTI-BEAM XL                                                                                         |  |
|                                                                                       |  | APPLICATION SPEC                       |  |                                                                                                       |  |
| MATERIAL                                                                              |  | 114-13038                              |  | SIZE                                                                                                  |  |
| FINISH                                                                                |  | WEIGHT -                               |  | CAGE CODE DRAWING NO                                                                                  |  |
|                                                                                       |  |                                        |  | A 100779 © 6450330                                                                                    |  |
|                                                                                       |  | CUSTOMER DRAWING                       |  | SCALE 4:1 SHEET 5 OF 20 REV R3                                                                        |  |

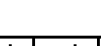


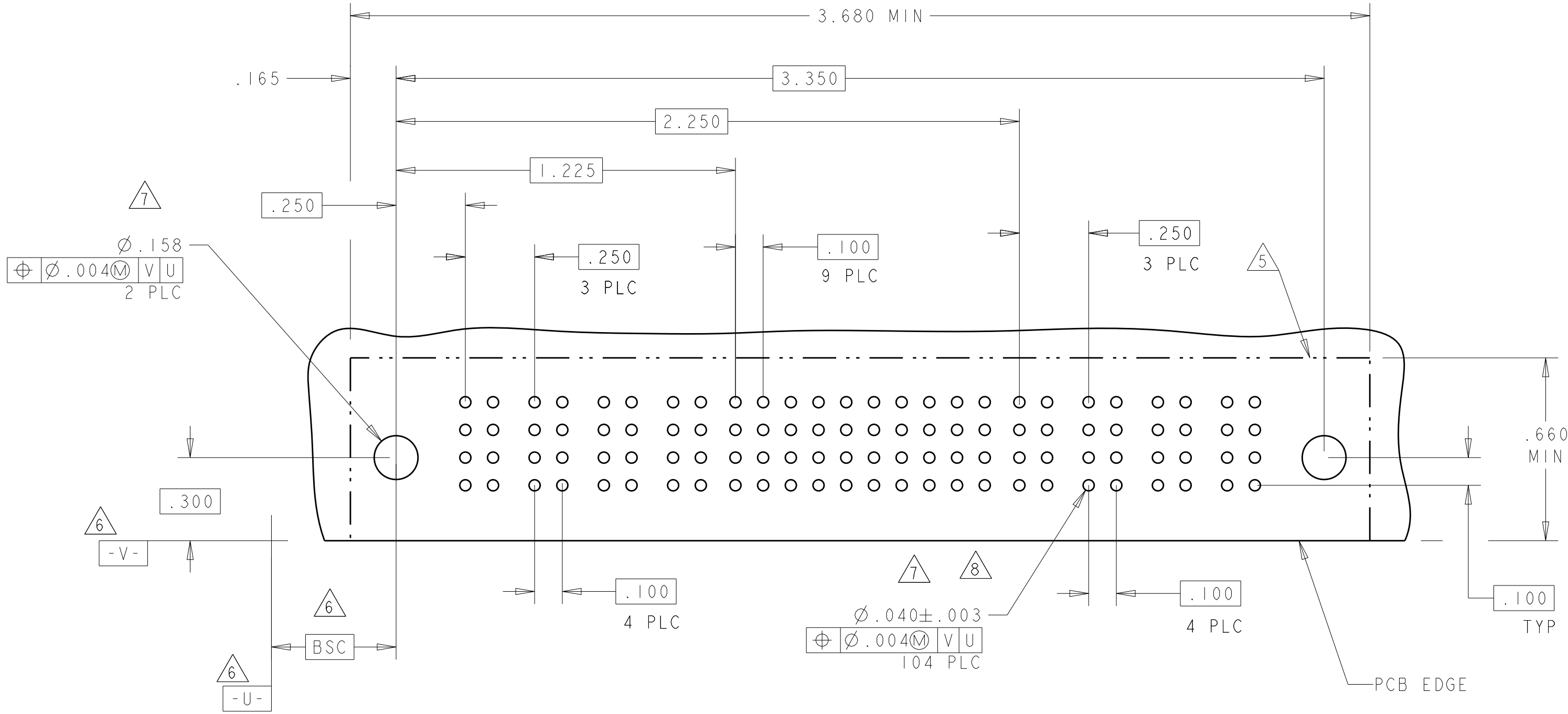
[illegible][illegible]

# 1-6450330-4 & 7-6450330-3 PCB LAYOUT

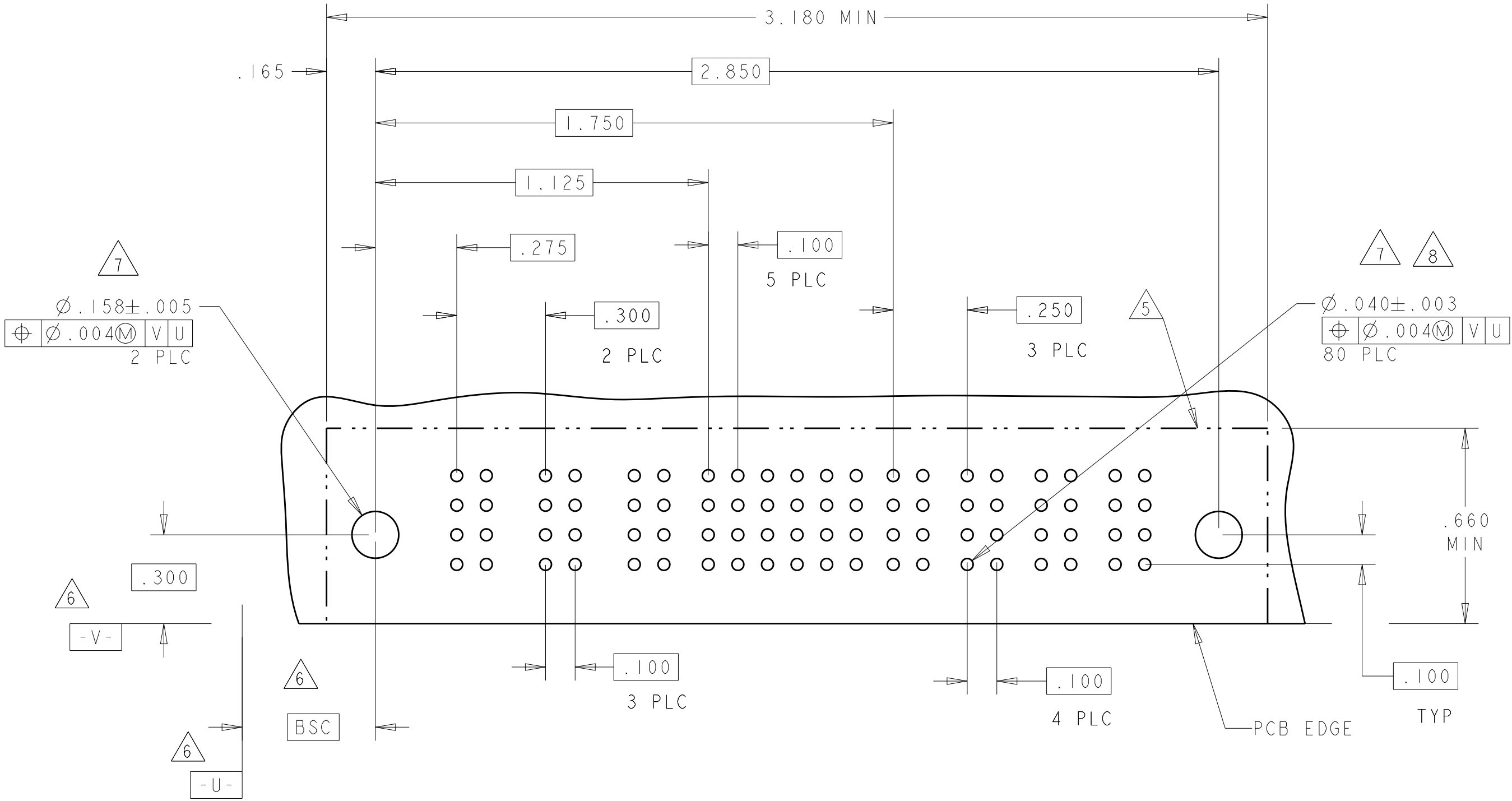
|                                                                                       |  |                                                                                                         |  |                                                                                                       |  |
|---------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |  | DWN<br>M. GRZYBOWSKI<br>28FE05                                                                          |  |  TE Connectivity |  |
| DIMENSIONS:<br>INCHES                                                                 |  | TO: ERANCS UNLESS<br>OTHERWISE SPECIFIED<br>CHG<br>M. PERCHERKE<br>28FE05<br>EXCHG<br>M. PERCHERKE<br>- |  | NAME<br>RIGHT ANGLE HEADER ASSEMBLY<br>SOLDER TAILS, W/GUIDES<br>MULTI-BEAM XL                        |  |
|  |  | PRODUCT SPEC<br>108-1973<br>APPLICATION SPEC<br>114-13038                                               |  | SIZE<br>CAGE CODE<br>DRAWING NO<br>RESTRICTED TO                                                      |  |
| MATERIAL                                                                              |  | FINISH                                                                                                  |  | A100779C6450330<br>WEIGHT<br>-                                                                        |  |
| CUSTOMER DRAWING                                                                      |  |                                                                                                         |  |                                                                                                       |  |
|                                                                                       |  | SCALE<br>4:1                                                                                            |  | SHEET<br>7 of 20                                                                                      |  |
|                                                                                       |  |                                                                                                         |  | REV<br>R                                                                                              |  |

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

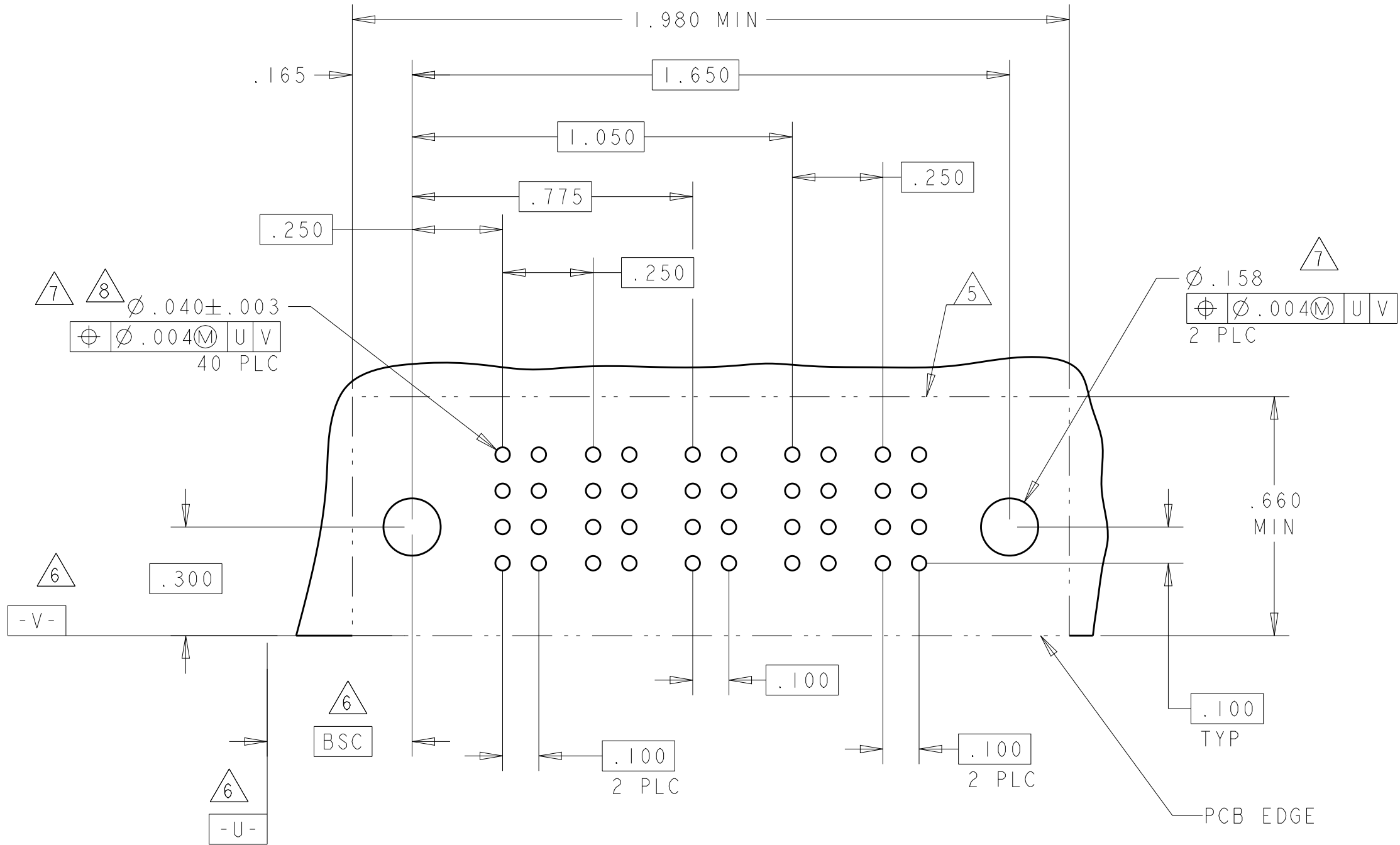
| PART NUMBER   | ROWS             |                                                                                   | POWER                                                                             |                                                                                   |                                                                                   |    | 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 |  |  |  |  | J  | J      | J | J | J | J | J | J | J | J |  |  |  |  |  |   |
|               |                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   | K  | K      | K | K | K | K | K | K | K | K |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | K |
|               |                  |                                                                                   |                                                                                   |                                                                                   |                                                                                   | N  | 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     | 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 |       |    |    |    |  |
|                 |                  |  |       |    |    | H      | S | S | S | S | S |       |    |    |    |  |
| 3ACP + 24S + 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 |   |       |    |        |   |       |    |  |
|              |             |                  |   |       |    | J      | J |       |    |  |
|              |             |                  |   |       |    | K      | K |       |    |  |
|              |             |                  |   |       |    | N      | N |       |    |  |
| S            |             |                  | S |       |    |        |   |       |    |  |
| 2P + 8S + 2P |             |                  |   |       |    |        |   |       |    |  |



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN  
R.GRZYBOWSKI  
CHK  
M.PERCHERKE  
APVD  
M.PERCHERKE

28FEB05  
28FEB05

DIMENSIONS:  
INCHES

0 PLC ±  
1 PLC ±.01  
2 PLC ±.01  
3 PLC ±.005  
4 PLC ±.002  
ANGLES ±.020

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

FINISH

±.002

PRODUCT SPEC  
108-1973

APPLICATION SPEC  
114-13038

WEIGHT  
-

CUSTOMER DRAWING

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

SIZE  
A1

CAGE CODE  
100779

DRAWING NO  
C=6450330

RESTRICTED TO  
-

SCALE  
4:1

SHEET  
8

OF  
20

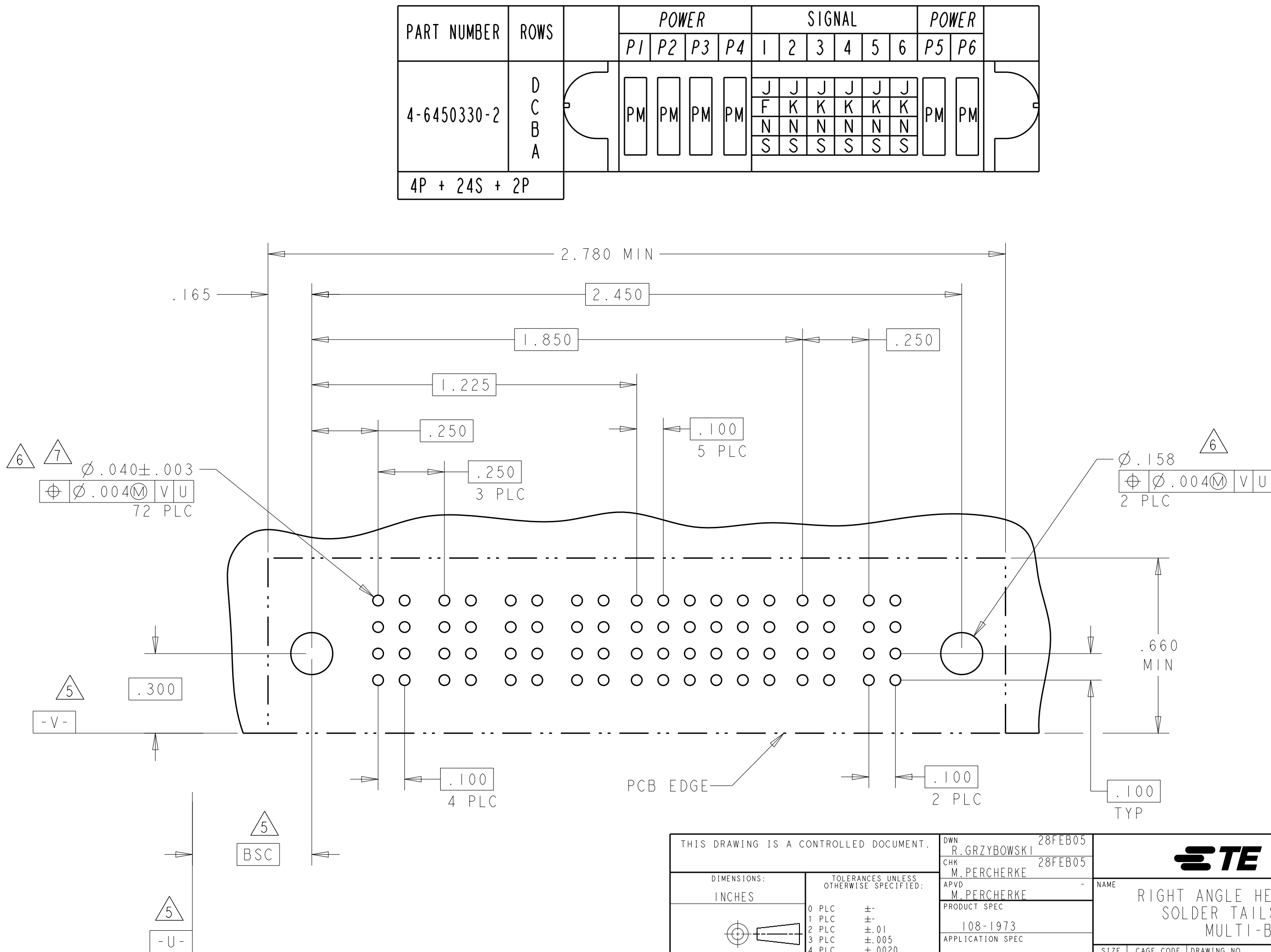
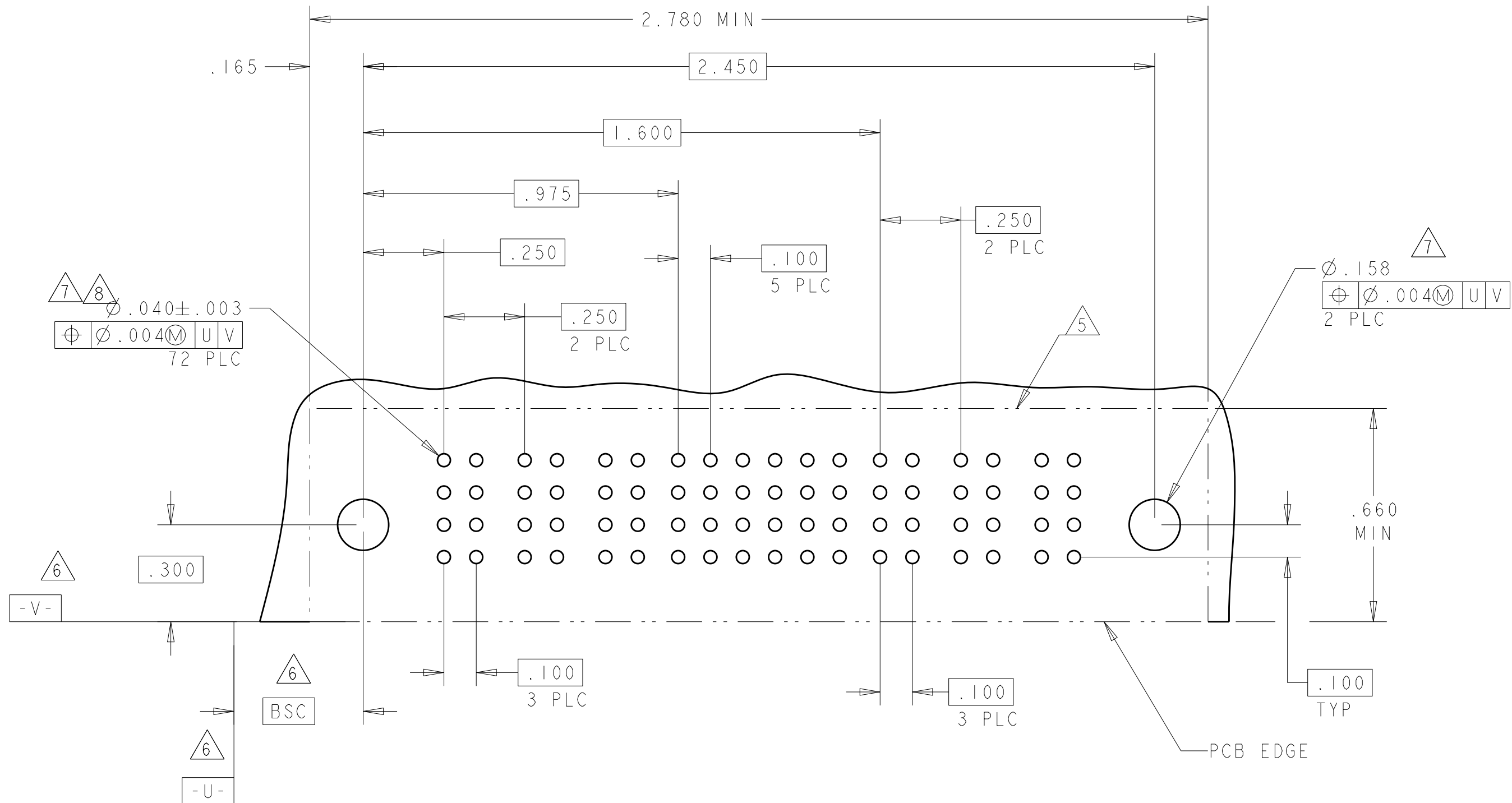
REV  
R3

TE Connectivity

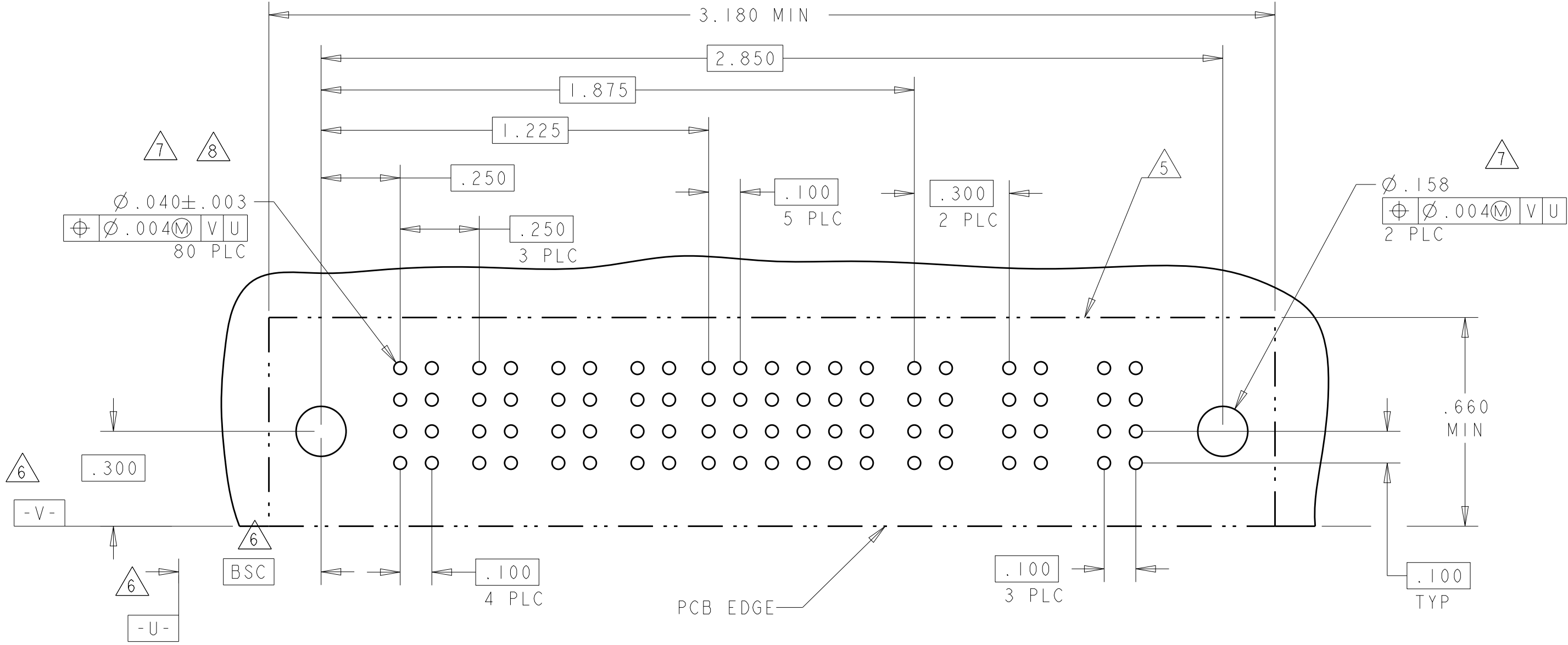
4805 (3/11)

| 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 |  |       |    |    | J      | E | E | E | E | E |       |    |    |  |
|               |                  |  |       |    |    | F      | F | F | F | F | K |       |    |    |  |
|               |                  |  |       |    |    | G      | G | G | G | G | N |       |    |    |  |
|               |                  |  |       |    |    | H      | H | H | H | H | H |       |    |    |  |
| 3P + 24S + 3P |                  |  |       |    |    |        |   |   |   |   |   |       |    |    |  |

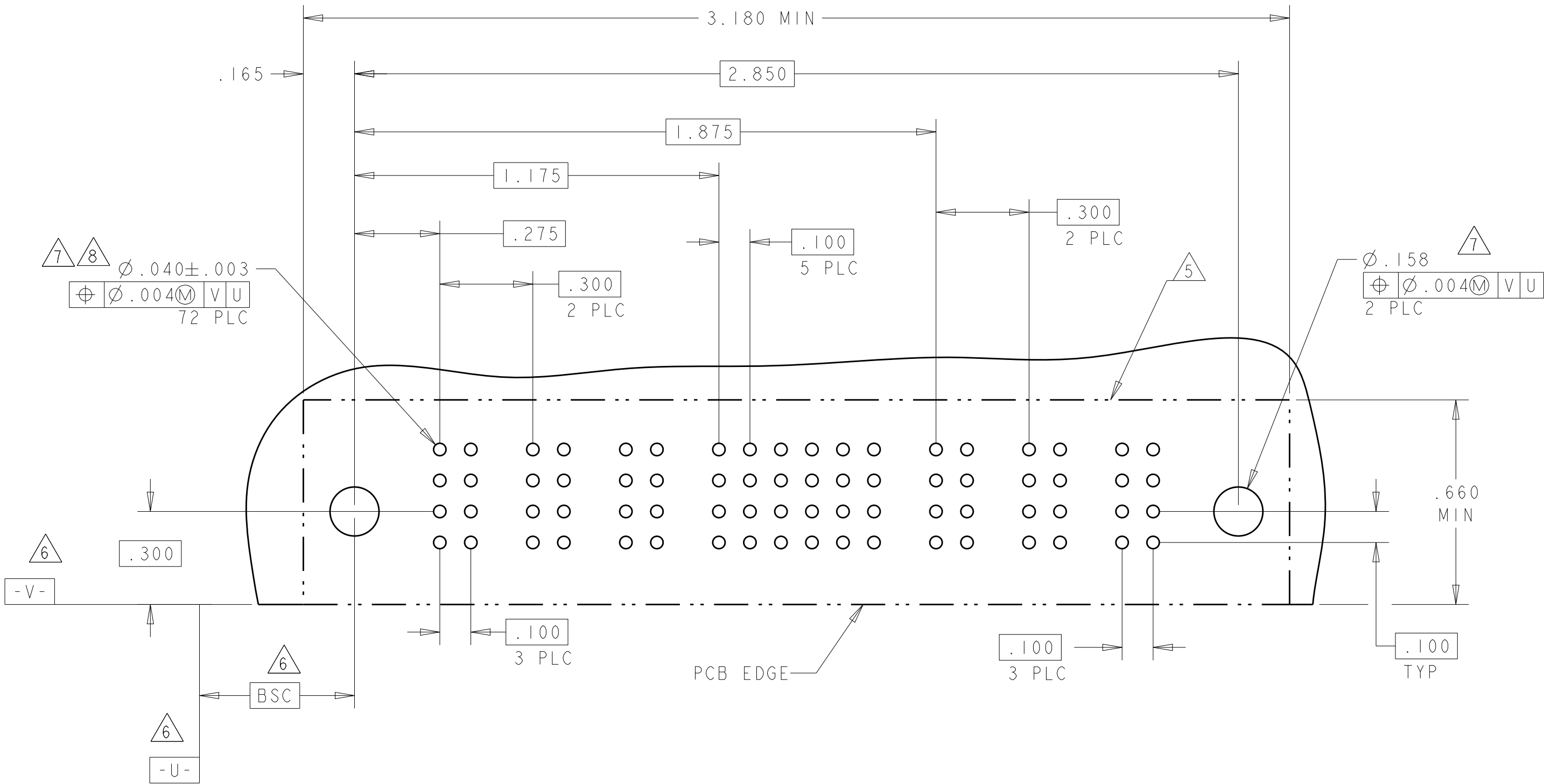
| PART NUMBER   | ROWS             |  | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |  |
|---------------|------------------|--|-------|----|----|--------|---|---|---|---|---|-------|----|----|--|
|               |                  |  | P1    | P2 | P3 | 1      | 2 | 3 | 4 | 5 | 6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



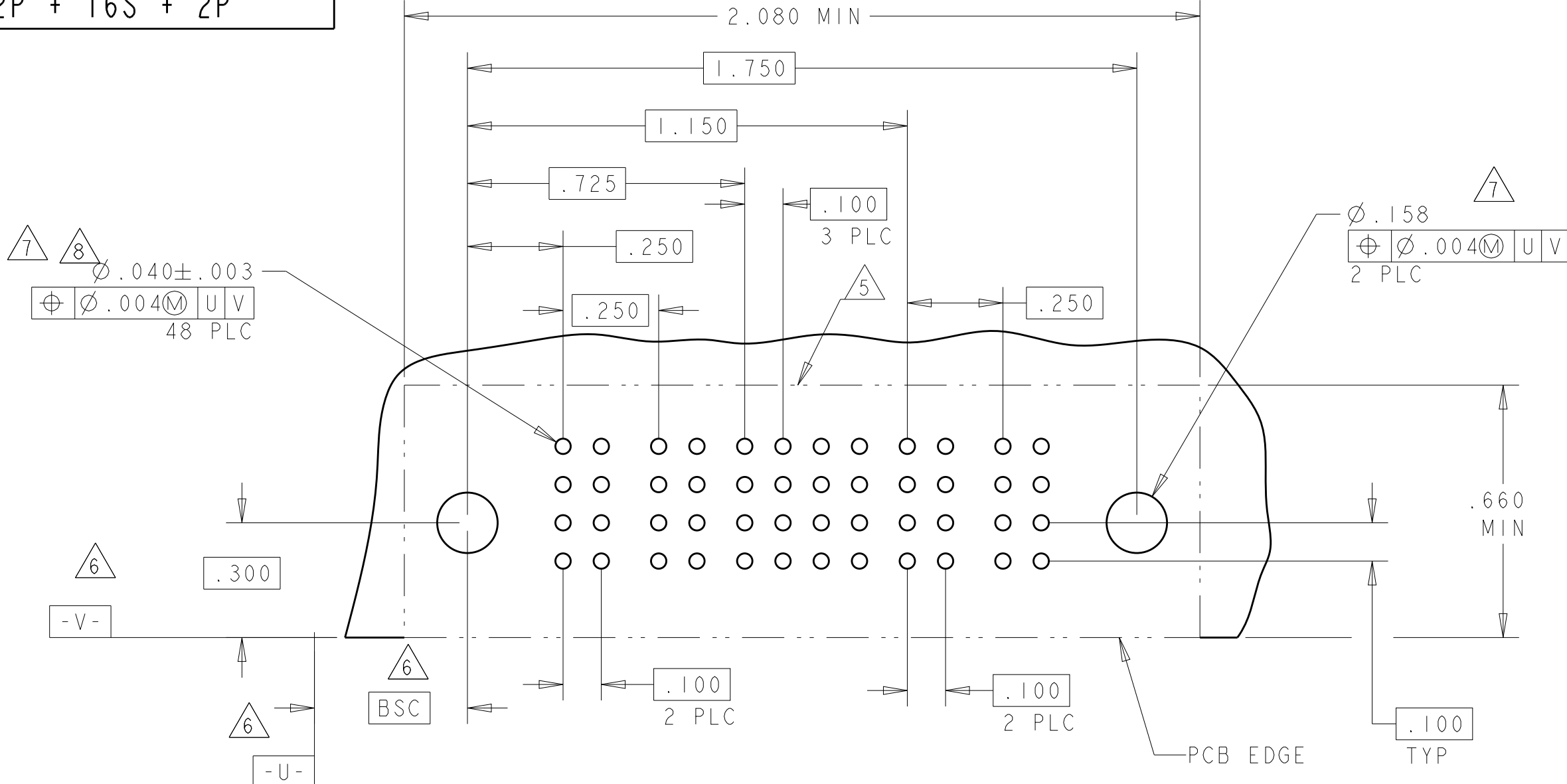
| PART NUMBER     | ROWS             |  | POWER |    |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |  |
|-----------------|------------------|--|-------|----|----|----|--------|---|---|---|---|---|-------|----|----|--|
|                 |                  |  | P1    | P2 | P3 | P4 | 1      | 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 |                  |  |       |    |    |    |        |   |   |   |   |   |       |    |    |  |

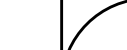


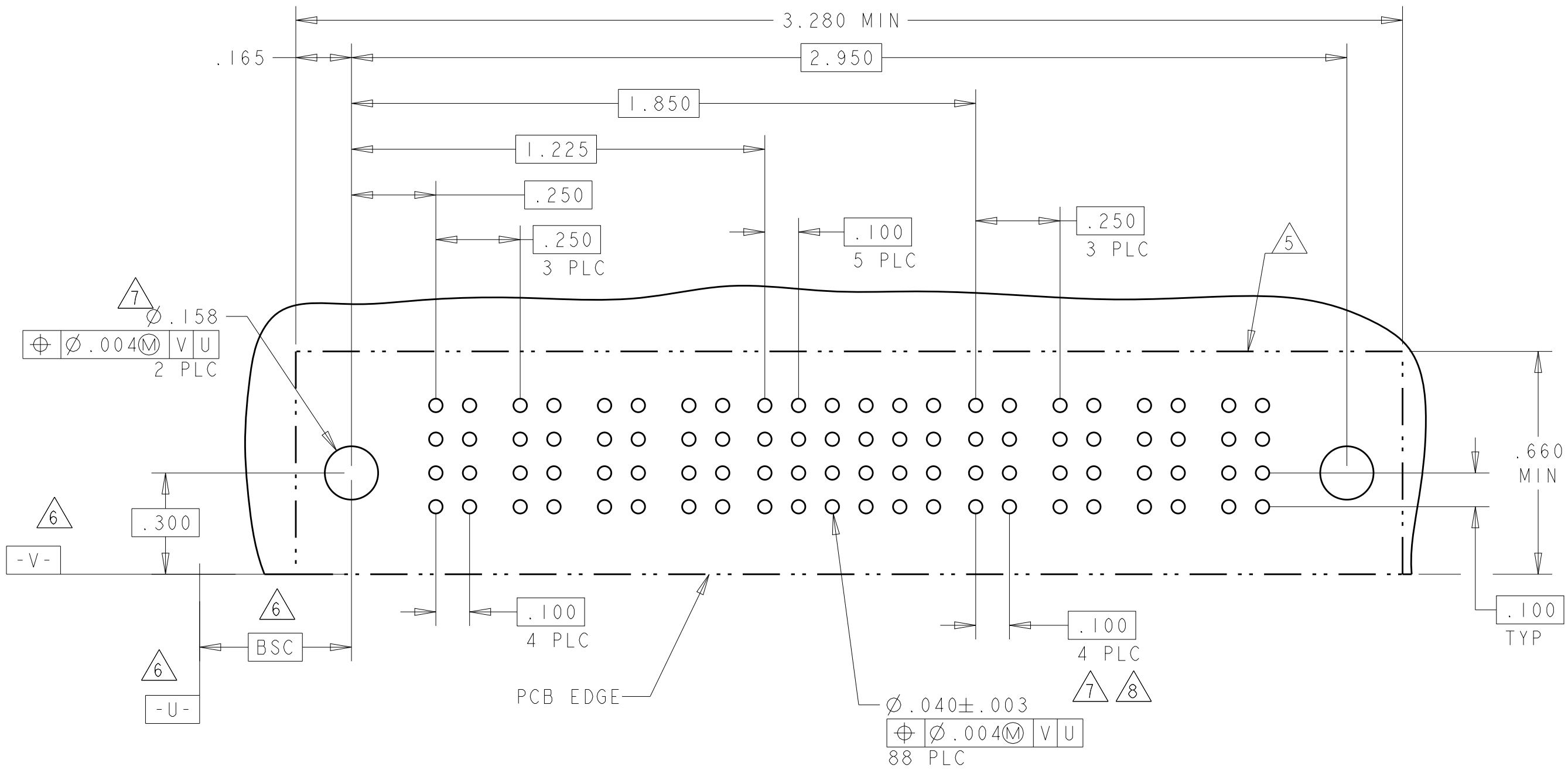
| PART NUMBER       | ROWS             |                                                                                     | POWER                                                                               |                                                                                     |    | SIGNAL |   |   |   |   |                                                                                     | POWER                                                                               |                                                                                      |                                                                                       |  |
|-------------------|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----|--------|---|---|---|---|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
|                   |                  |                                                                                     | P1                                                                                  | P2                                                                                  | P3 | 1      | 2 | 3 | 4 | 5 | 6                                                                                   | P4                                                                                  | P5                                                                                   | P6                                                                                    |  |
| 2-6450330-6       | D<br>C<br>B<br>A |  |  |  | J  | J      | E | J | J | J |  |  |  |  |  |
|                   |                  |                                                                                     |                                                                                     |                                                                                     | 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 | 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 |                  |  |  2.080 MIN |    |        |   |   |   |       |    |    |  |

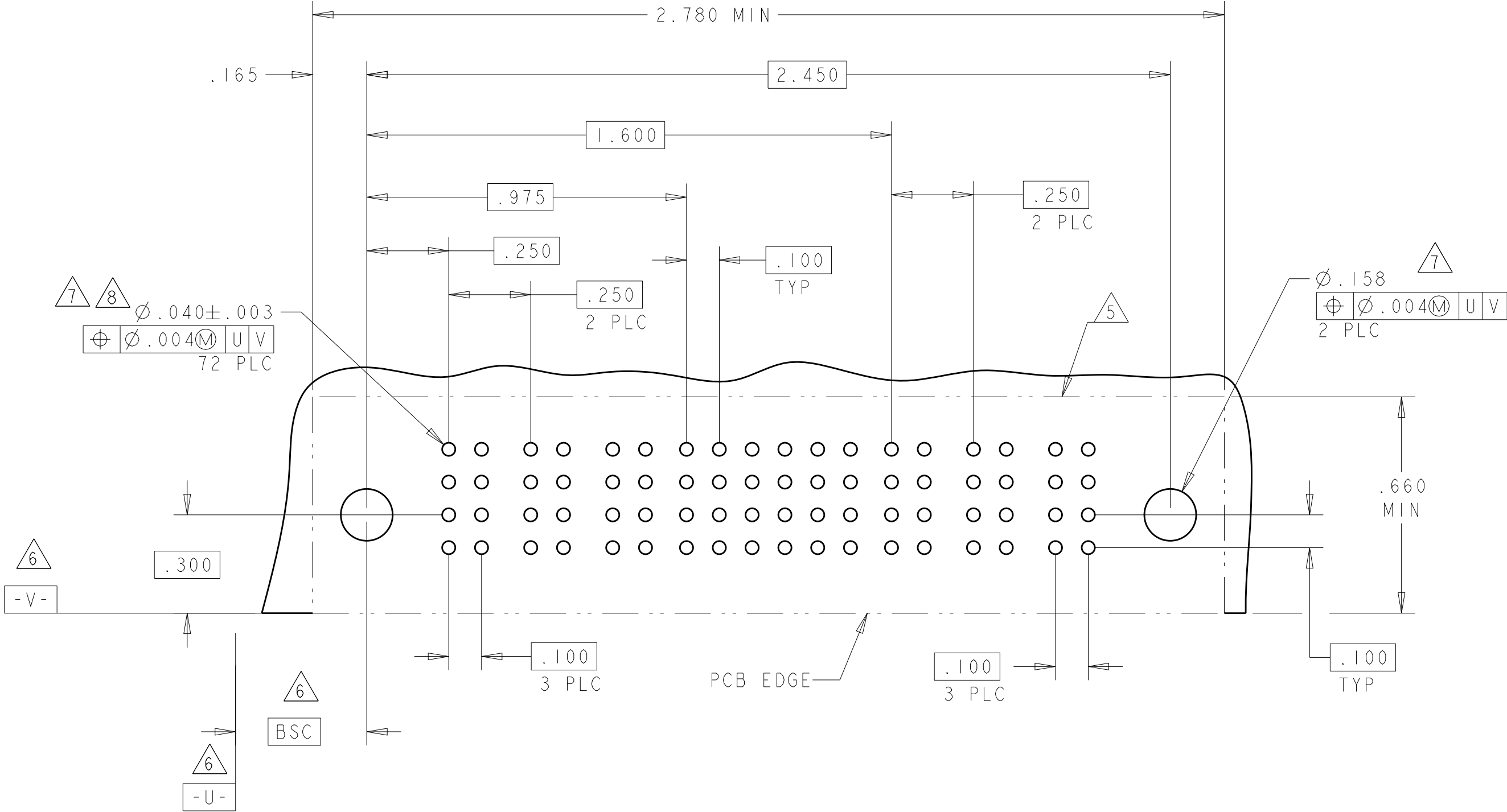


| PART NUMBER   | ROWS |                                                                                       | POWER                                                                                 |                                                                                       |            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

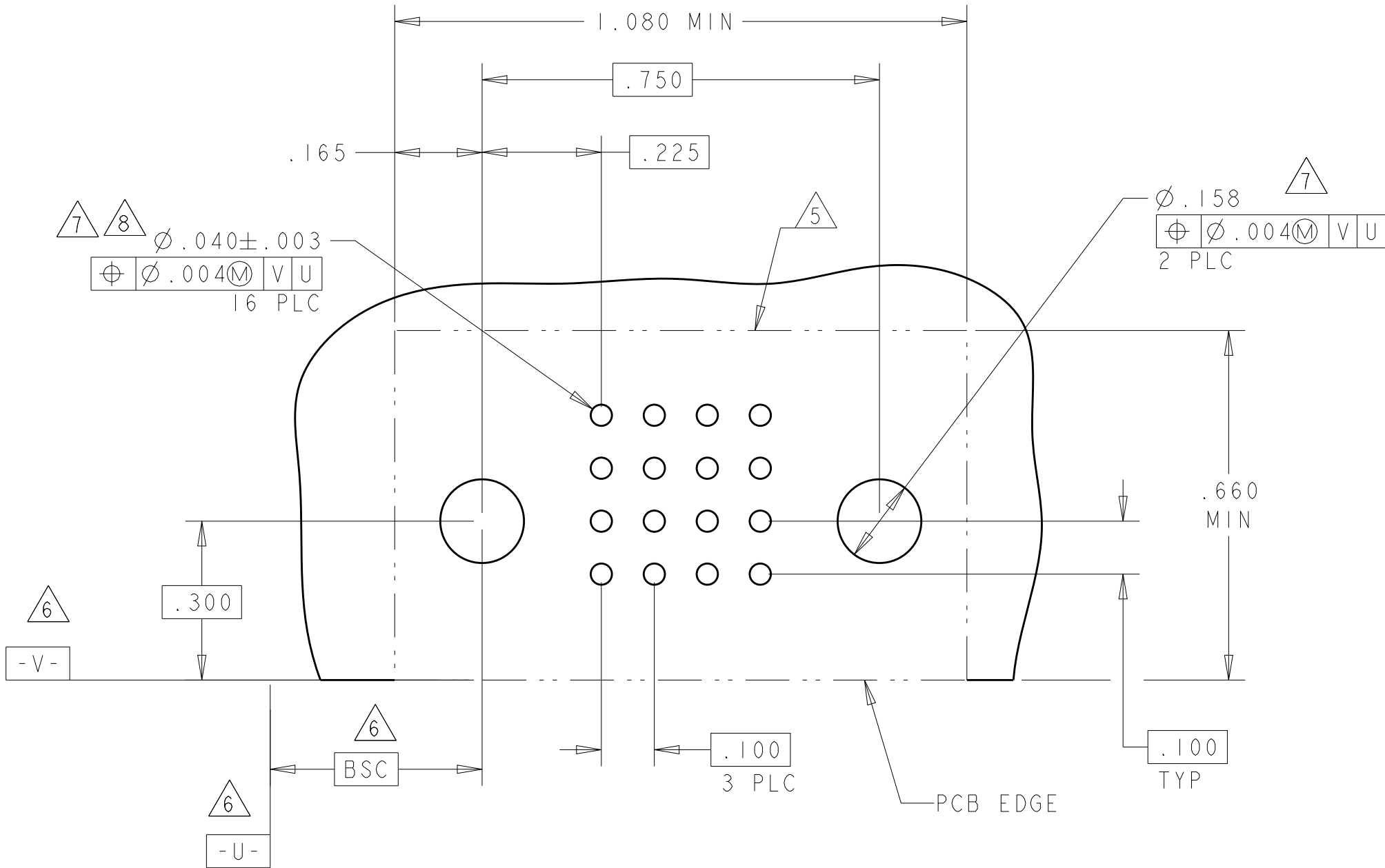


| LOC |  | DIST |  | REVISIONS |     |             |      |     |      |
|-----|--|------|--|-----------|-----|-------------|------|-----|------|
| ES  |  | 00   |  | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |  |      |  |           | -   | SEE SHEET 1 | -    | -   | -    |
|     | 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

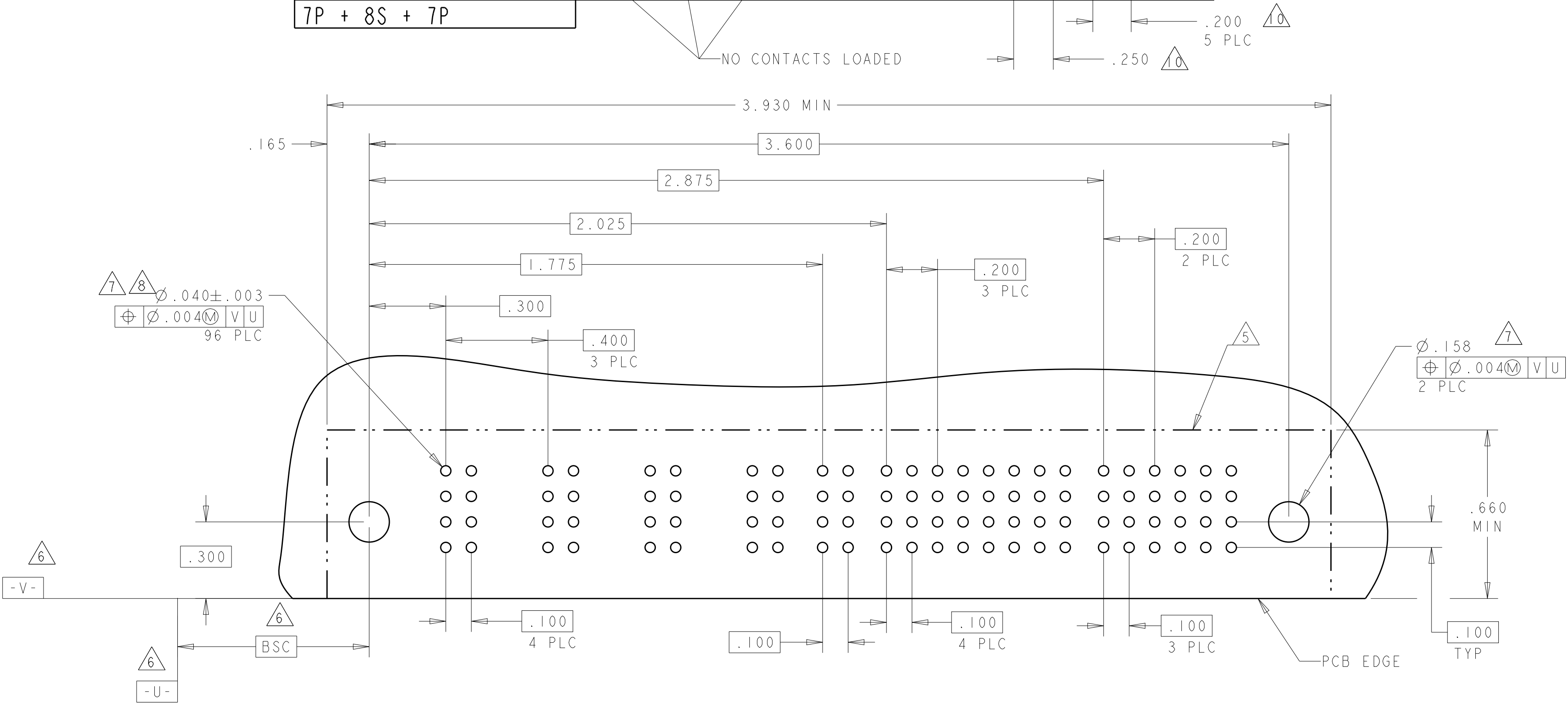
| PART NUMBER   | ROWS |  | POWER |    |    | SIGNAL |   |   |   |   |   | POWER |    |    |  |
|---------------|------|--|-------|----|----|--------|---|---|---|---|---|-------|----|----|--|
|               |      |  | P1    | P2 | P3 | 1      | 2 | 3 | 4 | 5 | 6 | P4    | P5 | P6 |  |
| 5-6450330-2   | 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 |      |  |       |    |    |        |   |   |   |   |   |       |    |    |  |



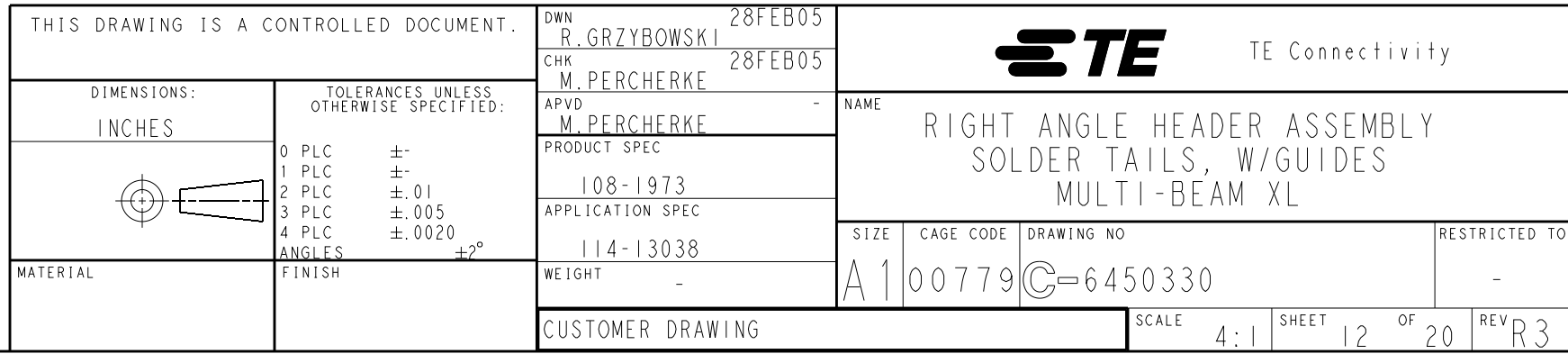
| PART NUMBER | ROWS |  | SIGNAL |   |   |   |  |
|-------------|------|--|--------|---|---|---|--|
|             |      |  | 1      | 2 | 3 | 4 |  |
| 3-6450330-1 | D    |  | E      | E | E | E |  |
|             | C    |  | F      | F | F | K |  |
|             | B    |  | G      | G | G | G |  |
|             | 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 | J      | J | 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<br>R.GRZYBOWSKI<br>CHK<br>M.PERCHERKE<br>APVD<br>M.PERCHERKE | 28FEB05<br>28FEB05 | NAME             |  |
| DIMENSIONS:<br>INCHES                  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                           |                    | PRODUCT SPEC     |  |
|                                        |  |                                                                  |                    | 108-1973         |  |
|                                        |  |                                                                  |                    | APPLICATION SPEC |  |
|                                        |  |                                                                  |                    | 114-13038        |  |
| MATERIAL                               |  | FINISH                                                           |                    | WEIGHT           |  |
|                                        |  |                                                                  |                    | -                |  |
|                                        |  |                                                                  |                    | CUSTOMER DRAWING |  |
|                                        |  |                                                                  |                    | SCALE 4:1        |  |
|                                        |  |                                                                  |                    | SHEET 11 OF 20   |  |
|                                        |  |                                                                  |                    | REV R3           |  |

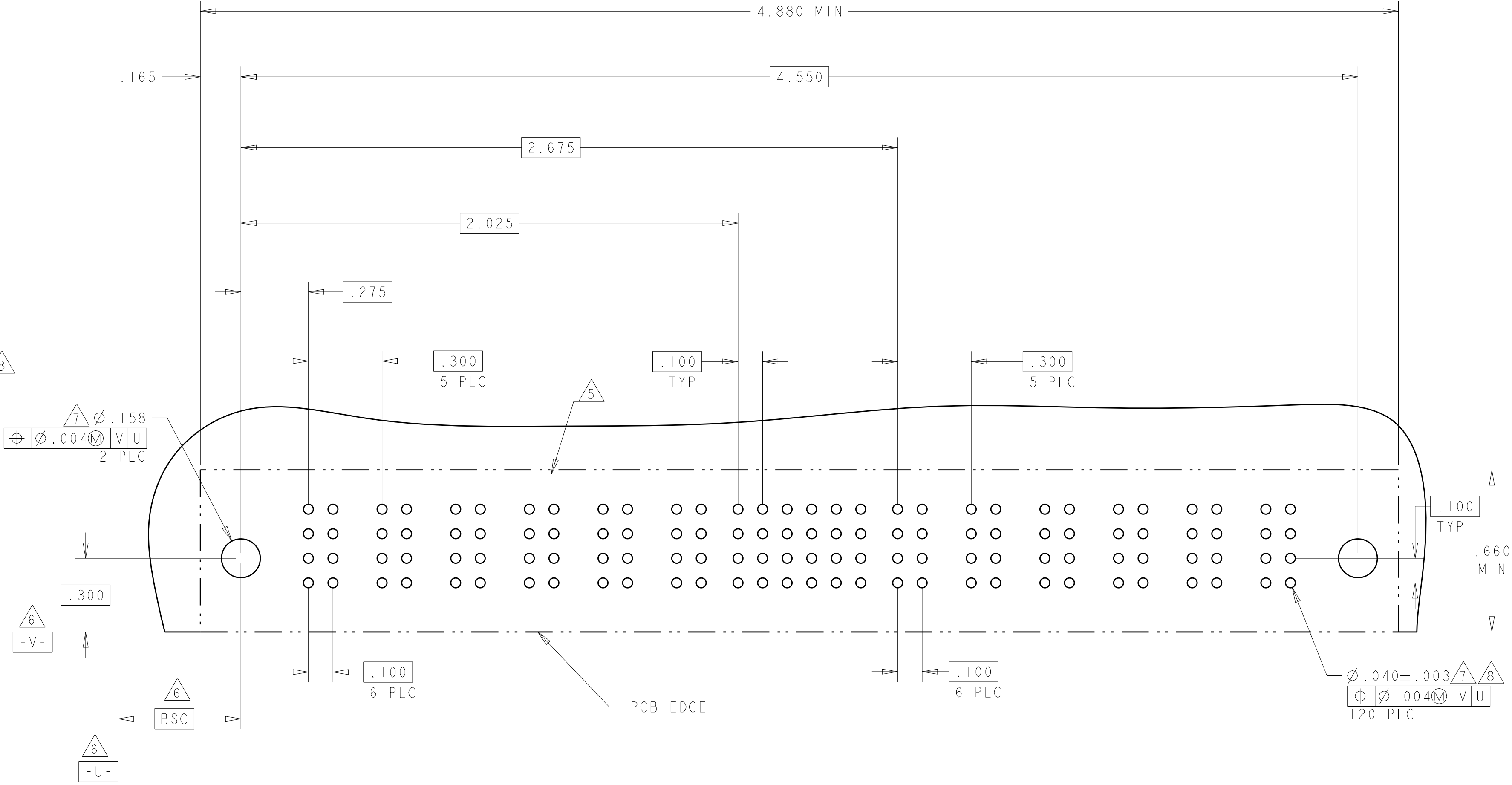
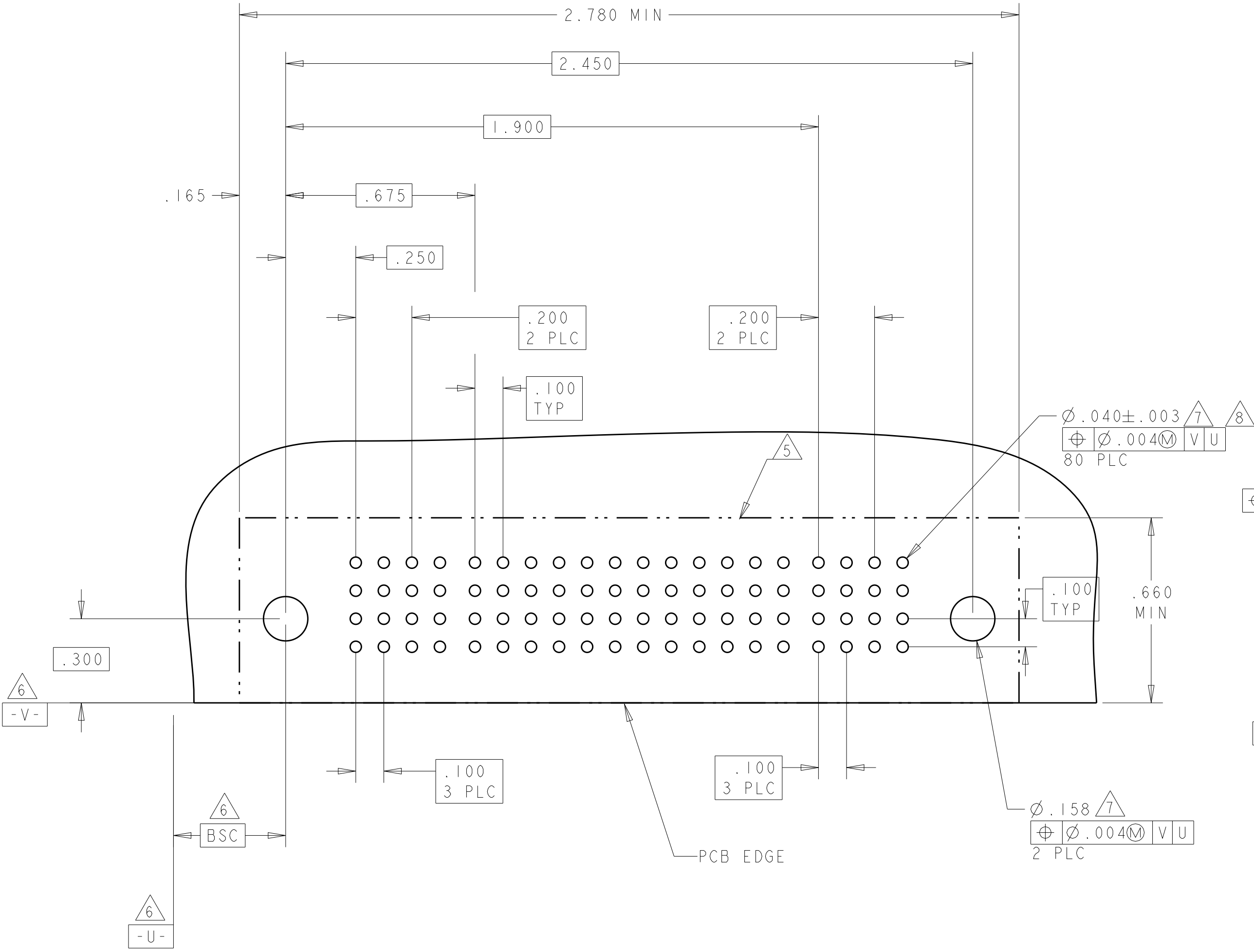
[illegible][illegible]

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| ES  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         | -   | 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 | F | K | F | F  | F  | F  |       |    |                                                                                     |
|               | B    |                                                                                   |       |    | N      | N | G | G | G | G | G | G | N | G  | G  | G  |       |    |                                                                                     |
|               | A    |                                                                                   |       |    | H      | H | S | H | 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 |      |                                                                                     |       |    |    |    |    |    |        |   |   |   |   |   |       |    |    |     |     |     |  |

N



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN  
R.GRZYBOWSKI  
CHK  
M.PERCHERKE  
APVD  
M.PERCHERKE

28FEB05  
28FEB05  
-

DIMENSIONS:  
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:  
0 PLC ±.01  
1 PLC ±.01  
2 PLC ±.01  
3 PLC ±.005  
4 PLC ±.0020  
ANGLES ±.2°  
FINISH

MATERIAL

CUSTOMER DRAWING

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

SIZE  
A1

CAGE CODE  
100779

DRAWING NO.  
C=6450330

RESTRICTED TO  
-

SCALE  
4:1

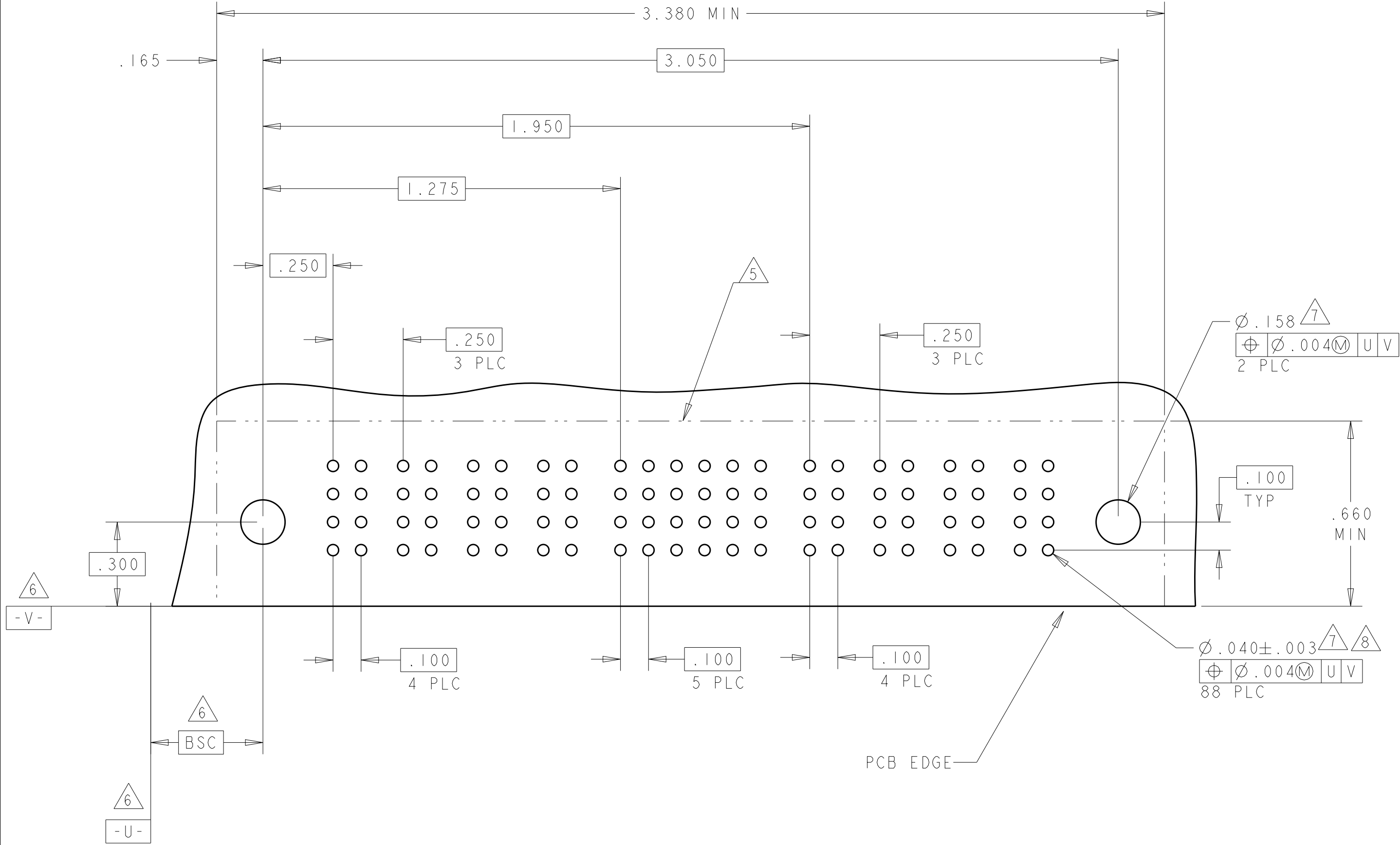
SHEET  
13

OF  
20

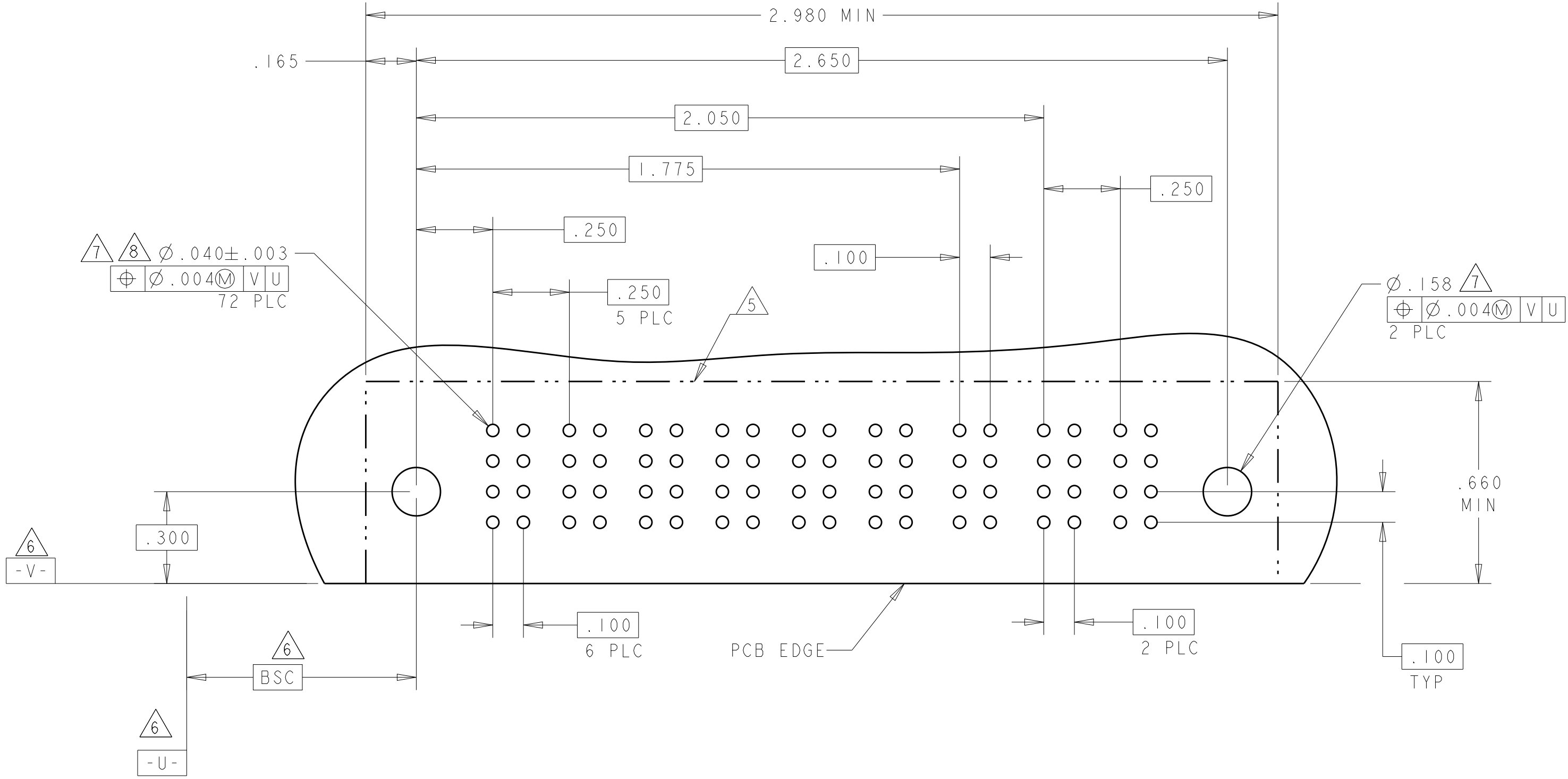
REV  
R3

| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
| ES  | 00   | -         | -   | 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<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     |    |    |    |    |  |
|               |                  |  |       |    |    |    |        | 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<br>C<br>B<br>A |  |       |    |    |    |    | J  | J      |   |       |    |  |
|              |                  |  |       |    |    |    |    | K  | K      |   |       |    |  |
|              |                  |  |       |    |    |    |    | N  | N      |   |       |    |  |
|              |                  |  |       |    |    |    |    | FS | S      |   |       |    |  |
| 6P + 8S + 2P |                  |  |       |    |    |    |    |    |        |   |       |    |  |



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

NAME: -

DIMENSIONS:  
INCHES

0 PLC ±"  
1 PLC ±.01  
2 PLC ±.01  
3 PLC ±.005  
4 PLC ±.0020  
ANGLES ±2°  
FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

CUSTOMER DRAWING

TE Connectivity

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

SIZE: A1  
CAGE CODE: 00779  
DRAWING NO: C=6450330

RESTRICTED TO: -

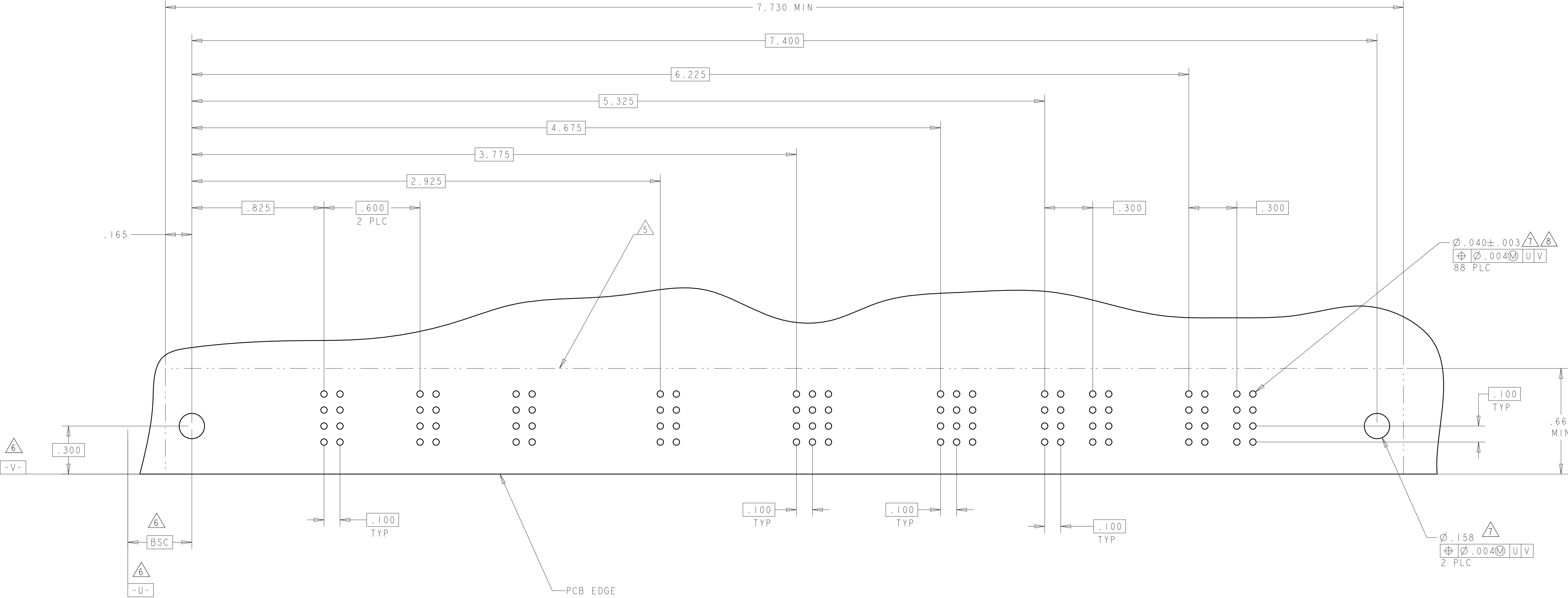
SCALE: 4:1

SHEET: 14 OF 20

REV: R3

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

| PART NUMBER    | ROWS |  | POWER |    |    |    |    |    |    |    |    |     |     |     | SIGNAL |   |   |   |   |   |   |   |   |    |    |    | POWER |     |     |     |     |     |     |     |  |  |
|----------------|------|--|-------|----|----|----|----|----|----|----|----|-----|-----|-----|--------|---|---|---|---|---|---|---|---|----|----|----|-------|-----|-----|-----|-----|-----|-----|-----|--|--|
|                |      |  | P1    | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | P13   | P14 | P15 | P16 | P17 | P18 | P19 | P20 |  |  |
| 6-6450330-0    | D    |  |       |    | PM |    | PM |    | PM |    |    | PM  |     |     | J      | J | J |   |   |   |   |   |   |    | E  | E  | E     |     | PM  | PM  |     | PM  | PM  |     |  |  |
|                | C    |  |       |    |    |    |    |    |    |    |    |     |     |     | K      | K | K |   |   |   |   |   |   |    | F  | F  | F     |     |     |     |     |     |     |     |  |  |
|                | B    |  |       |    |    |    |    |    |    |    |    |     |     |     | N      | N | N |   |   |   |   |   |   |    | G  | G  | G     |     |     |     |     |     |     |     |  |  |
|                | A    |  |       |    |    |    |    |    |    |    |    |     |     |     | S      | S | H |   |   |   |   |   |   |    | H  | S  | S     |     |     |     |     |     |     |     |  |  |
| 12P + 48S + 8P |      |  |       |    |    |    |    |    |    |    |    |     |     |     |        |   |   |   |   |   |   |   |   |    |    |    |       |     |     |     |     |     |     |     |  |  |

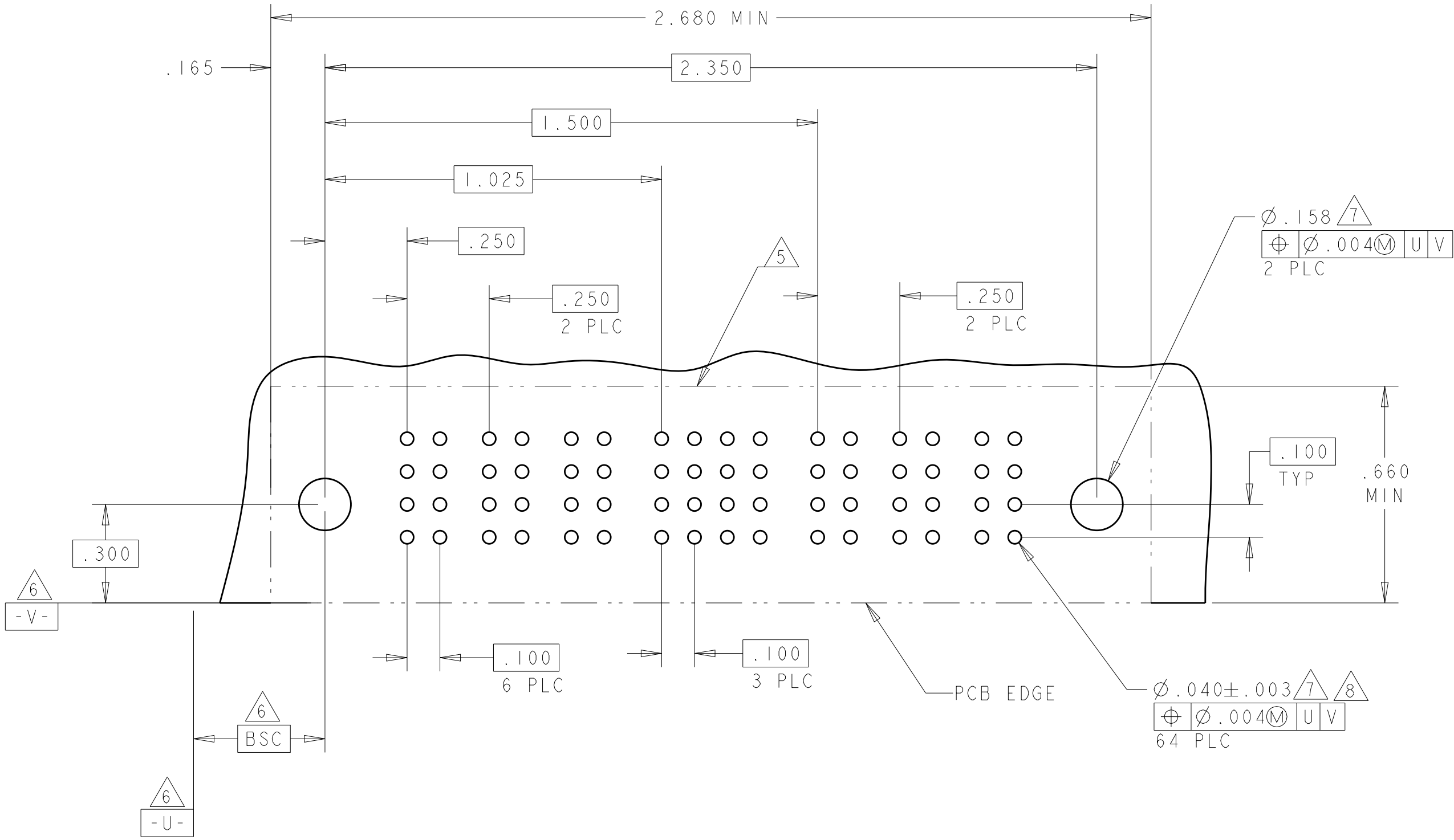
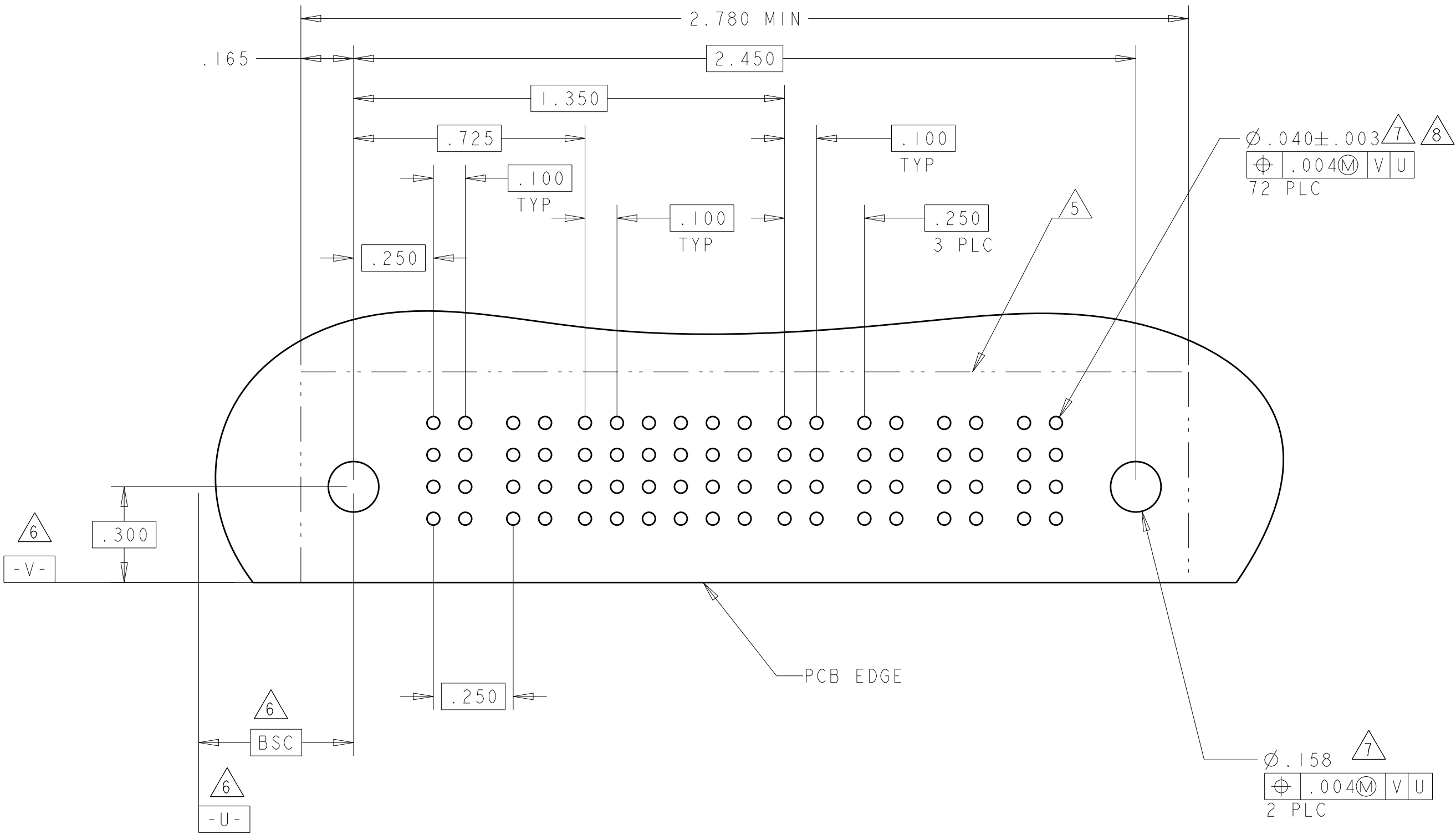


| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| ES  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |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

| 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 | K |       |    |    |    |  |
|               | B    |  |       |    | N      | N | N | G | N | N |       |    |    |    |  |
|               | A    |  |       |    | S      | S | S | S | S | S |       |    |    |    |  |
| 2P + 24S + 4P |      |  |       |    |        |   |   |   |   |   |       |    |    |    |  |

| 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 |  |
|               | C    |                                                                                     |       |    |    | K      | K | K | F |       |    |    |                                                                                     |
|               | B    |                                                                                     |       |    |    | G      | N | N | N |       |    |    |                                                                                     |
|               | A    |                                                                                     |       |    |    | S      | S | S | S |       |    |    |                                                                                     |
| 3P + 16S + 3P |      |                                                                                     |       |    |    |        |   |   |   |       |    |    |                                                                                     |

N6



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DWN

R. GRZYBOWSKI

28FEB05

CHK

M. PERCHERKE

28FEB05

APVD

M. PERCHERKE

-

DIMENSIONS:

INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC  $\pm .01$

1 PLC  $\pm .01$

2 PLC  $\pm .01$

3 PLC  $\pm .005$

4 PLC  $\pm .0020$

ANGLES  $\pm 2^\circ$

FINISH

MATERIAL

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

-

CUSTOMER DRAWING

NAME

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

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A1

00779

C=6450330

-

SCALE

4:1

SHEET

16

OF

20

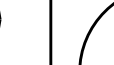
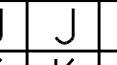
REV

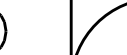
R3

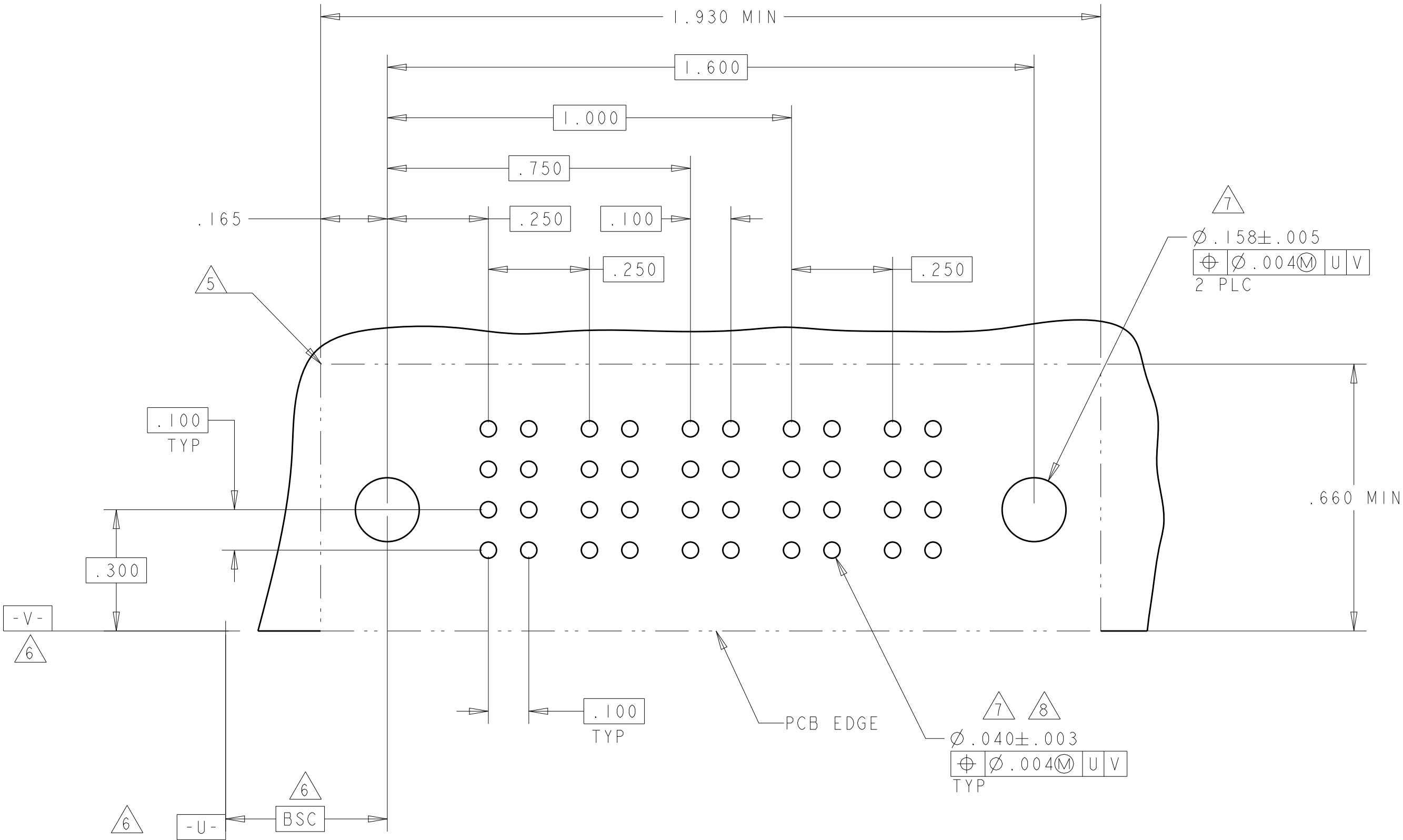
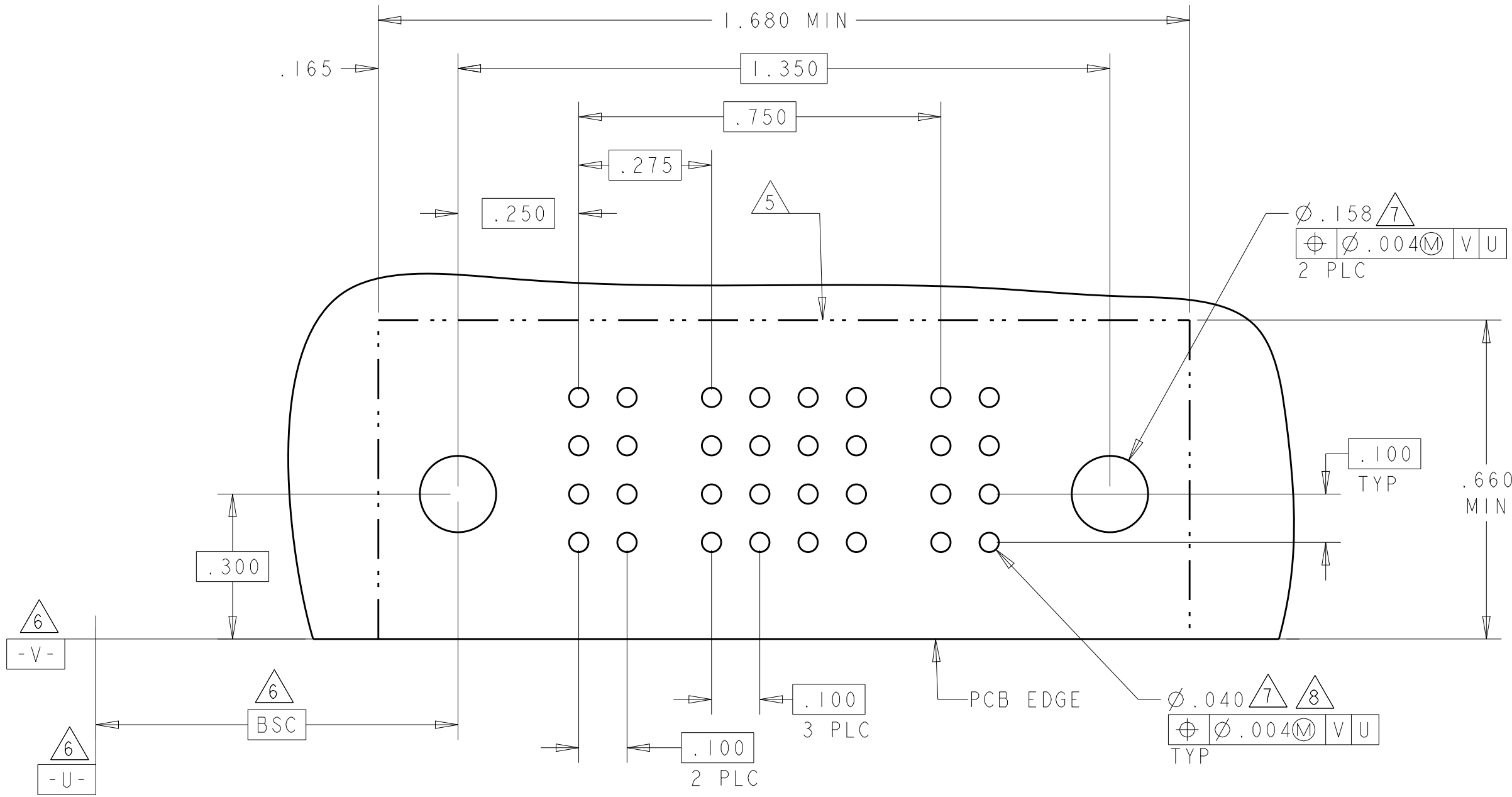
TE

TE Connectivity

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

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

| PART NUMBER  | ROWS |                                                                                     | POWER                                                                               |                                                                                     | SIGNAL |   | POWER                                                                               |                                                                                     |                                                                                     |
|--------------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|---|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|              |      |                                                                                     | P1                                                                                  | P2                                                                                  | 1      | 2 | P3                                                                                  | P4                                                                                  |                                                                                     |
| 6-6450330-4  | D    |  |  |  | J      | J |  |  |  |
|              | K    |                                                                                     |                                                                                     |                                                                                     | K      |   |                                                                                     |                                                                                     |                                                                                     |
|              | N    |                                                                                     |                                                                                     |                                                                                     | N      |   |                                                                                     |                                                                                     |                                                                                     |
|              | FS   |                                                                                     |                                                                                     |                                                                                     | S      |   |                                                                                     |                                                                                     |                                                                                     |
| 2P + 8S + 2P |      |                                                                                     |                                                                                     |                                                                                     |        |   |                                                                                     |                                                                                     |                                                                                     |



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DWN  
R. GRZYBOWSKI  
CHK  
M. PERCHERKE  
APVD  
M. PERCHERKE

28FEB05  
28FEB05  
-

DIMENSIONS:  
INCHES

0 PLC ±"  
1 PLC ±.01  
2 PLC ±.01  
3 PLC ±.005  
4 PLC ±.0020  
ANGLES ±2°  
FINISH

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

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

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

SIZE  
A100779

CAGE CODE  
C=6450330

DRAWING NO  
28FEB05

RESTRICTED TO  
-

CUSTOMER DRAWING

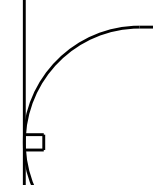
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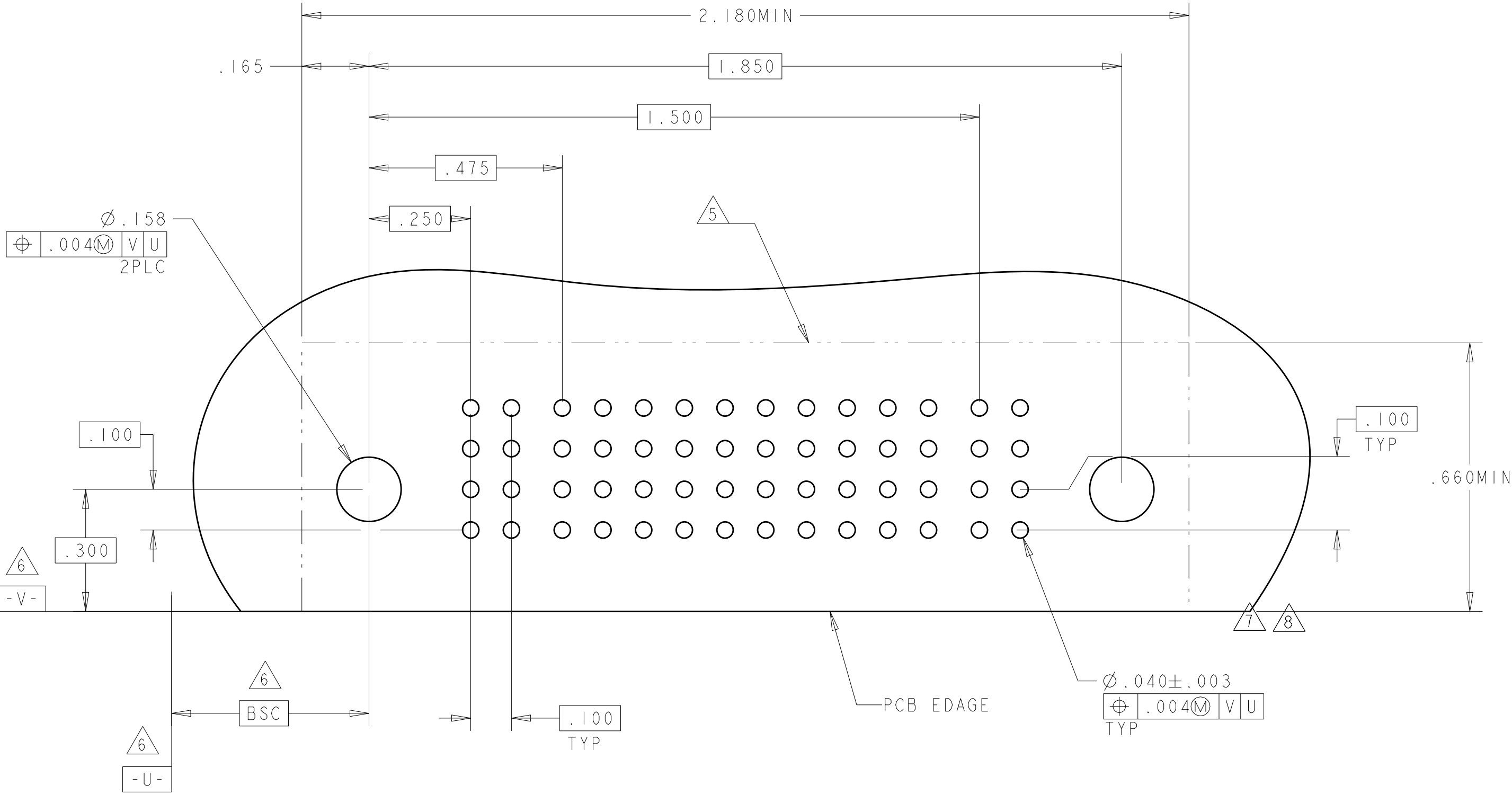
SHEET  
17

OF  
20

REV  
R3

| LOC | DIST | REVISONS |     |             |      |
|-----|------|----------|-----|-------------|------|
| ES  | 00   | P        | LTR | DESCRIPTION | DATE |
|     |      |          |     | SEE SHEET 1 |      |
|     |      |          |     |             |      |
|     |      |          |     |             |      |
|     |      |          |     |             |      |

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



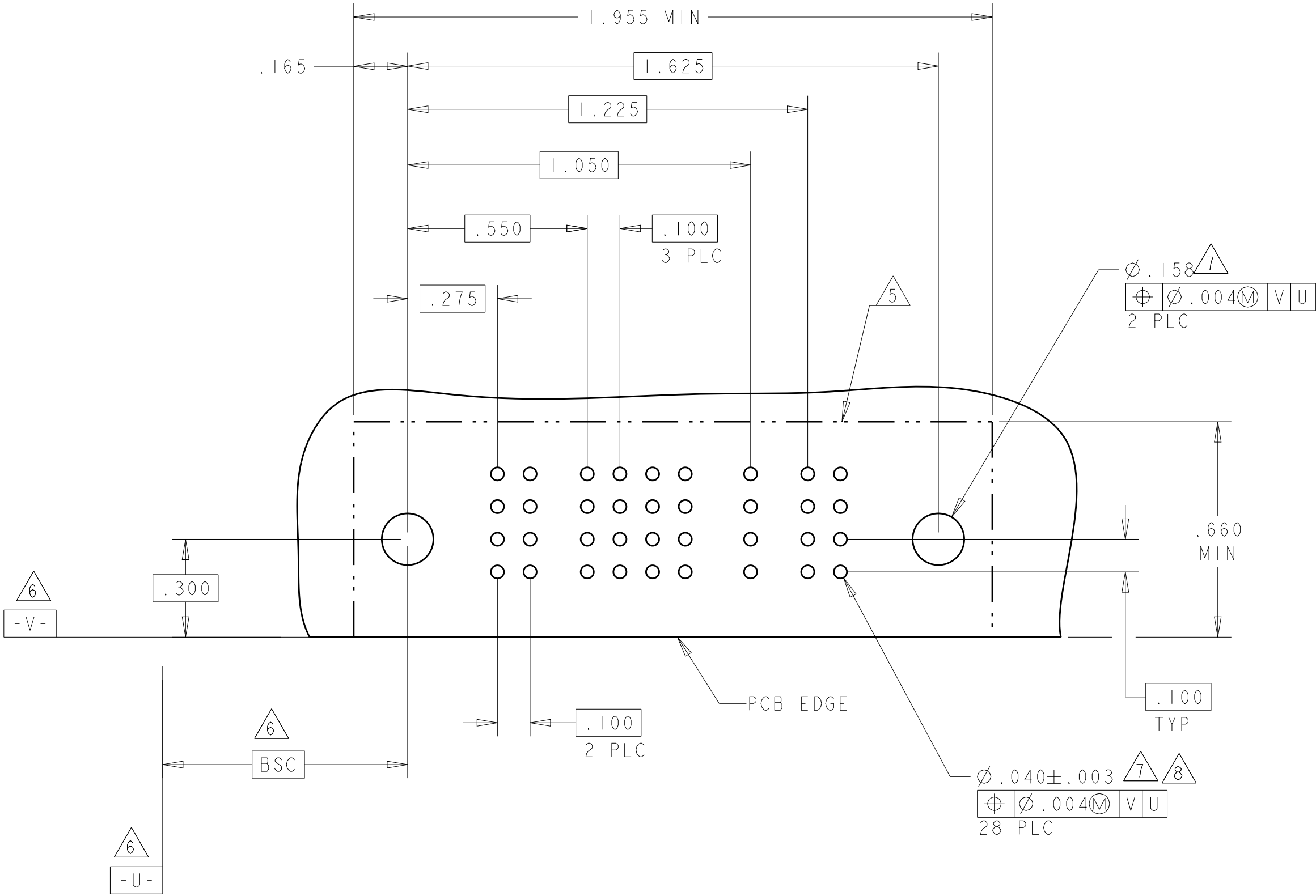
TE RECOMMENDED PCB LAYOUT

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

NO CONTACTS LOADED

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

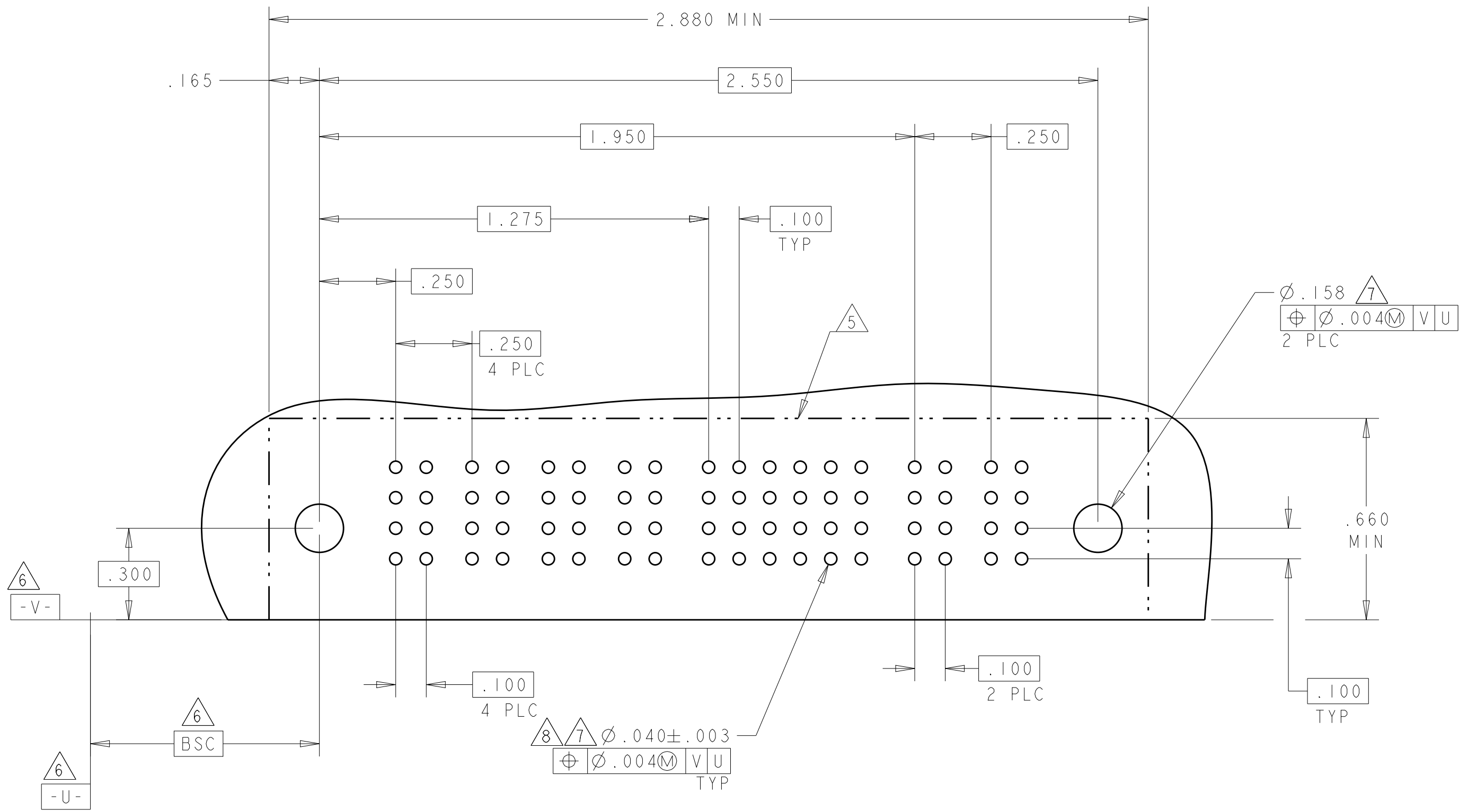
NO CONTACTS LOADED

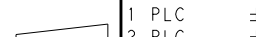


6-6450330-6 AND 6-6450330-7 PCB LAYOUT

|                                        |  |                                                                     |                         |
|----------------------------------------|--|---------------------------------------------------------------------|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | OWN<br>R. GRZYBOWSKI<br>CHK<br>M. PERCHERKE<br>APVD<br>M. PERCHERKE | 28FEB05<br>28FEB05<br>- |
| DIMENSIONS:<br>INCHES                  |  | PRODUCT SPEC<br>108-1973                                            | NAME                    |
| MATERIAL                               |  | APPLICATION SPEC<br>114-13038                                       | SIZE                    |
|                                        |  | WEIGHT                                                              | CAGE CODE               |
|                                        |  | CUSTOMER DRAWING                                                    | DRAWING NO              |
|                                        |  | SCALE                                                               | SHEET                   |
|                                        |  | 4:1                                                                 | 18                      |
|                                        |  | OF                                                                  | 20                      |
|                                        |  | REV                                                                 | R3                      |

-NO CONTACTS LOADED

[illegible]

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

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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