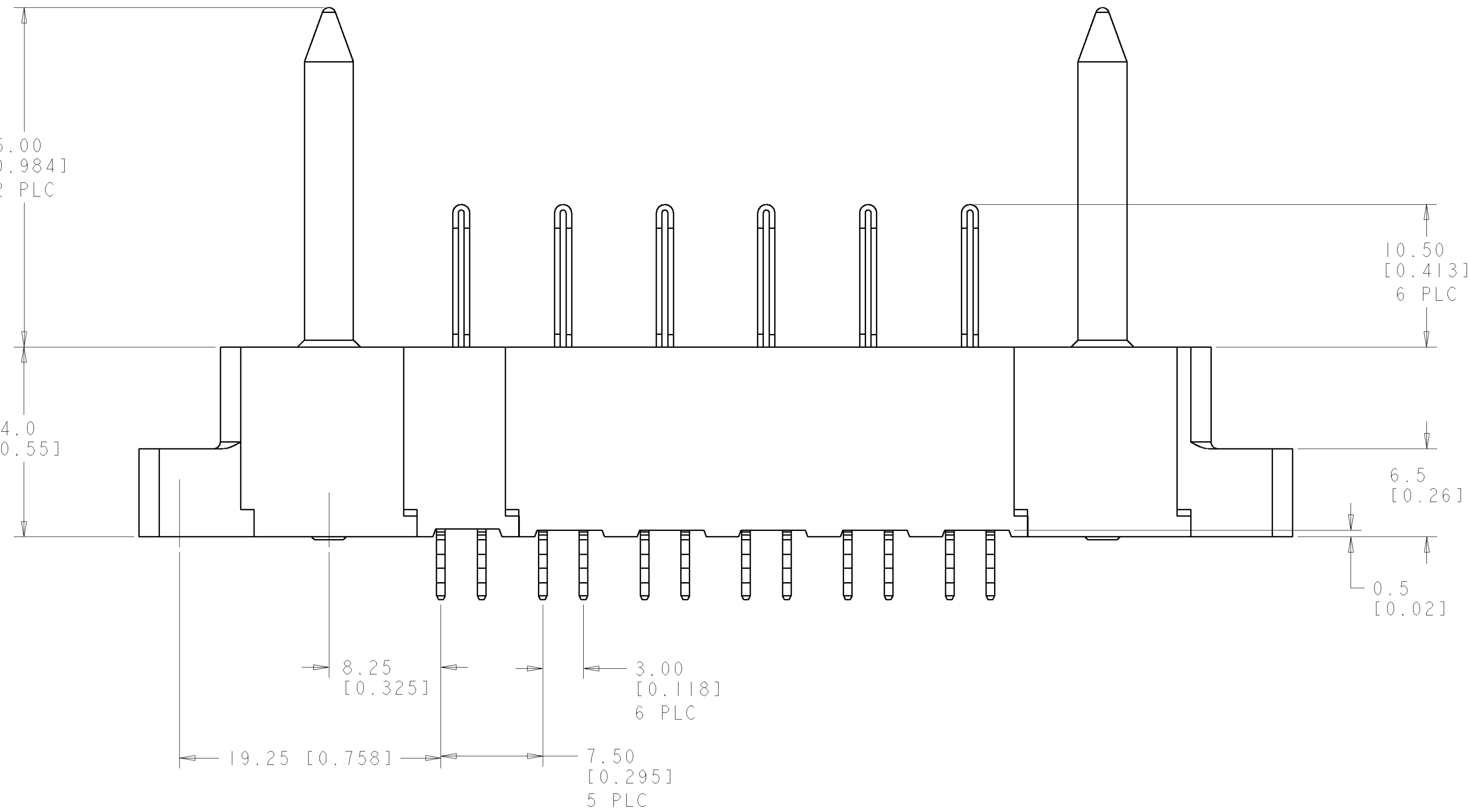
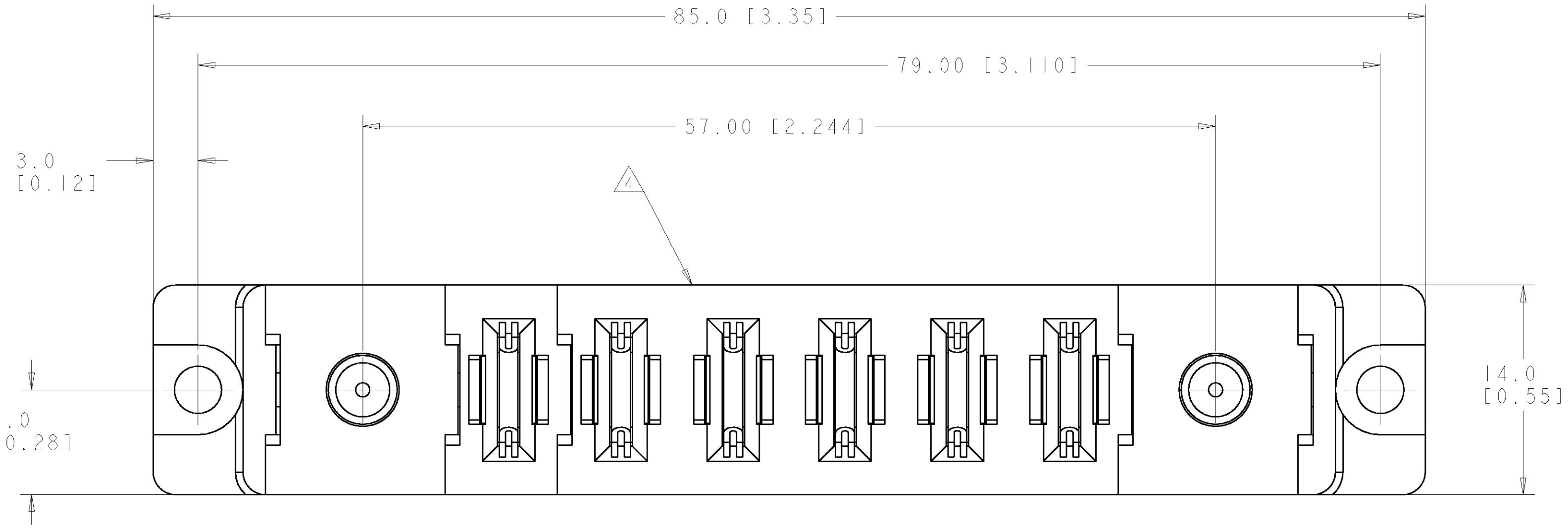


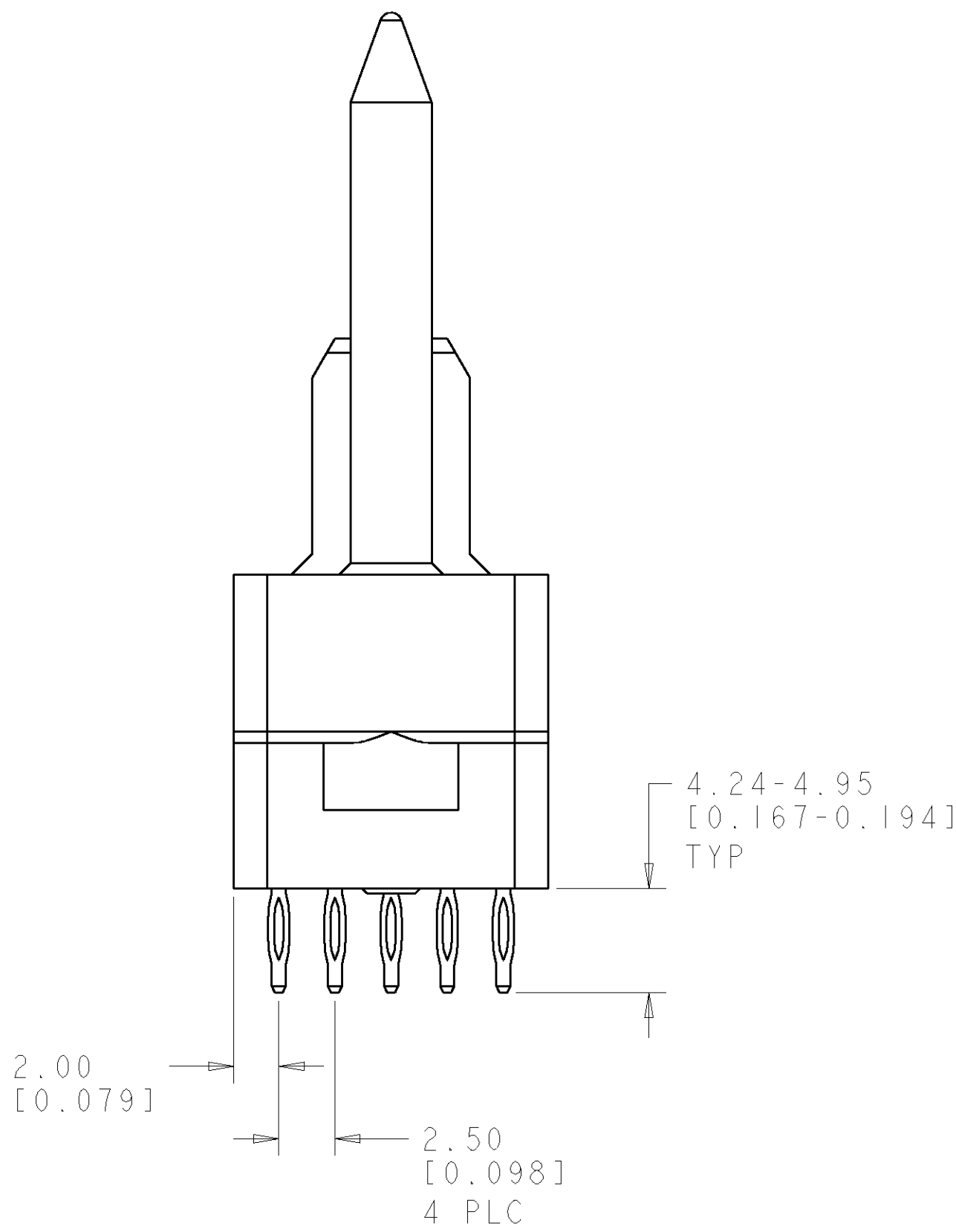
| LOC |    | DIST |     | REVISIONS   |  |  |           |     |      |  |
|-----|----|------|-----|-------------|--|--|-----------|-----|------|--|
| GP  | 00 | P    | LTR | DESCRIPTION |  |  | DATE      | DWN | APVD |  |
|     |    | A    |     | RELEASED    |  |  | 18SEP2006 | RG  | DO   |  |
|     |    |      |     |             |  |  |           |     |      |  |
|     |    |      |     |             |  |  |           |     |      |  |
|     |    |      |     |             |  |  |           |     |      |  |
|     |    |      |     |             |  |  |           |     |      |  |



1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.
- 2 MATERIAL:  
INSULATORS - THERMOPLASTIC, GLASS REINFORCED, COLOR: BLACK  
UL94V-0 FLAMMABILITY RATED.  
POWER CONTACTS - PHOSPHOR BRONZE ALLOY,  
COPPER ALLOY  
SOLDER SIGNAL PIN - BRASS ALLOY  
CROWN BAND-BERYLLIUM COPPER ALLOY  
GUIDE PIN-BRASS ALLOY
- 3 FINISH:  
CONTACTS - GOLD PLATE .000030" MIN. THK., OVER NICKEL  
.000050" MIN. THK  
COMPLIANT TAILS TIN .000040" MIN. THK. OVER NICKEL  
.000050" MIN THK.  
GUIDE PIN - NICKEL .000050" MIN THK.

- 4 ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL

YEAR WEEK  
TYCO PART NO. DATE CODE (e.g. 0106)  
XXXXXXX-X XXXX

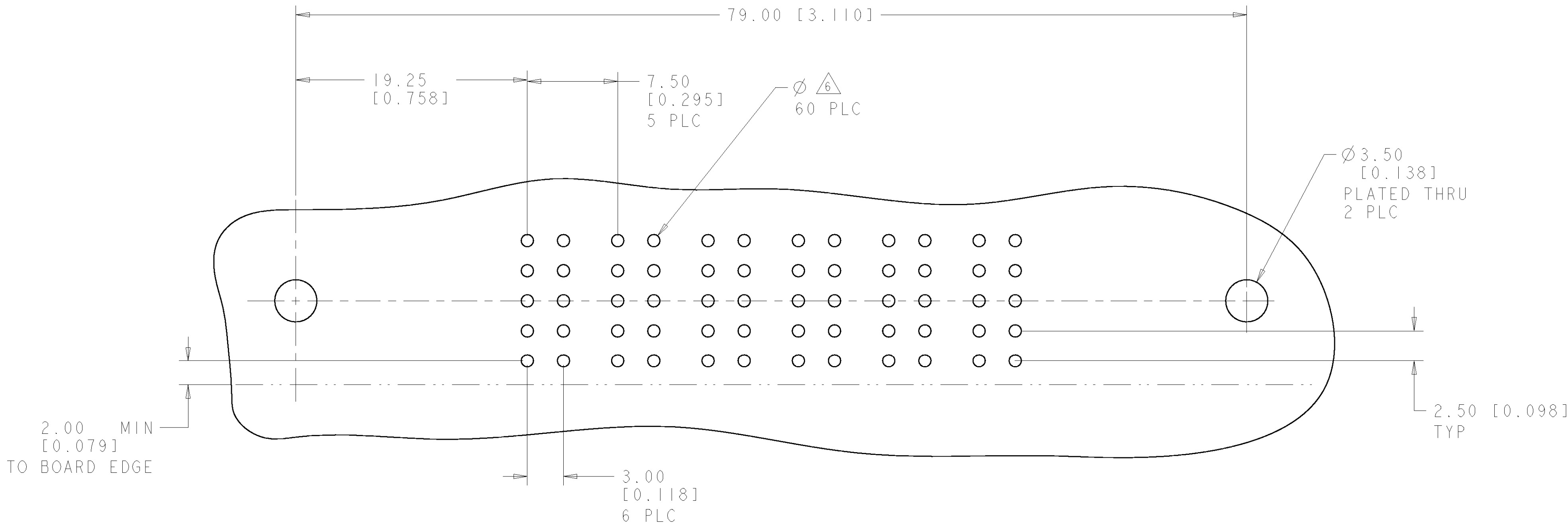


ELCON FLATPAQ

AMP 4805 REV 31MAR2006

|                            |  |                                                                                        |  |                                  |  |                                                                      |  |
|----------------------------|--|----------------------------------------------------------------------------------------|--|----------------------------------|--|----------------------------------------------------------------------|--|
| DIMENSIONS:<br>mm [INCHES] |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                              |  | DWN<br>R. GRZYBOWSKI<br>18SEP106 |  | tyco<br>Electronics<br>Tyco Electronics<br>Harrisburg, PA 17105-3608 |  |
|                            |  | 1 PLC ±.3 [0.013]<br>2 PLC ±0.15 [0.005]<br>3 PLC ±0.000<br>4 PLC ±0.000<br>ANGLES ±.5 |  | CHG<br>D. ORRIS<br>18SEP106      |  | NAME<br>STRAIGHT PIN CONNECTOR,<br>SOLDER TAILS<br>FLATPAQ           |  |
| MATERIAL                   |  | FINISH                                                                                 |  | PRODUCT SPEC                     |  | APPLICATION SPEC                                                     |  |
|                            |  |                                                                                        |  | WEIGHT<br>-                      |  | SIZE<br>A   00779                                                    |  |
| CUSTOMER DRAWING           |  |                                                                                        |  | SCALE<br>2:1                     |  | DRAWING NO<br>C-6646651                                              |  |
|                            |  |                                                                                        |  | SHEET<br>1                       |  | REV<br>A                                                             |  |

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

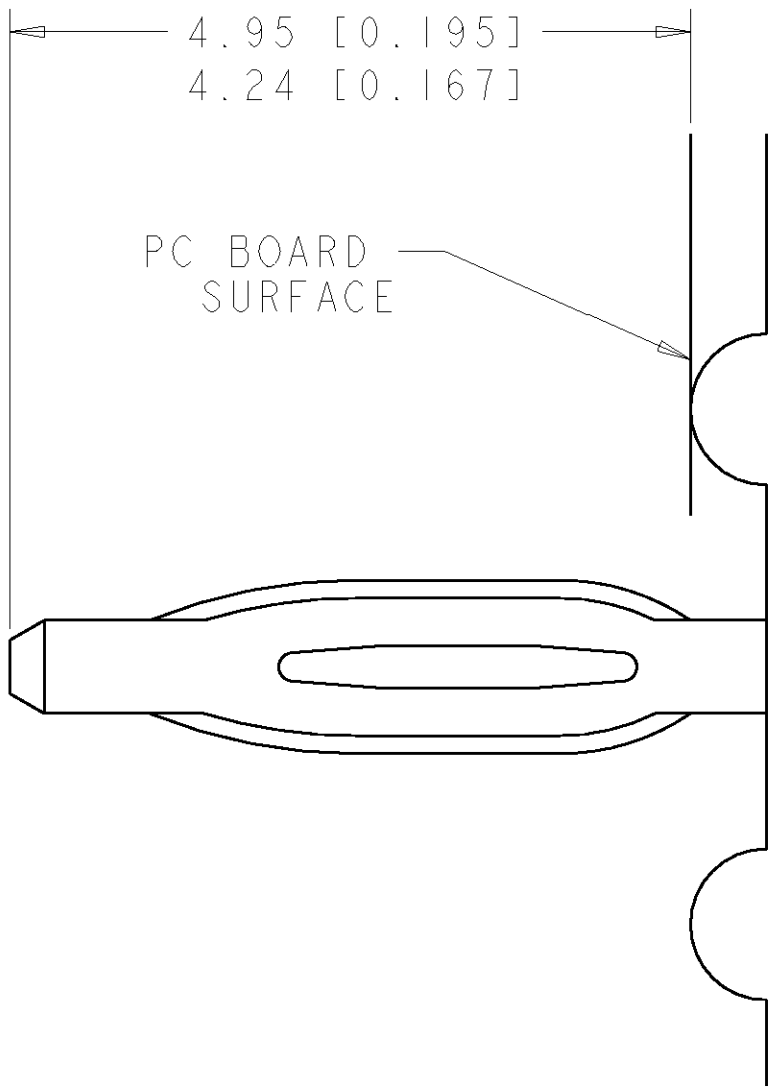


PRINTED CIRCUIT LAYOUT  
COMPONENT SIDE

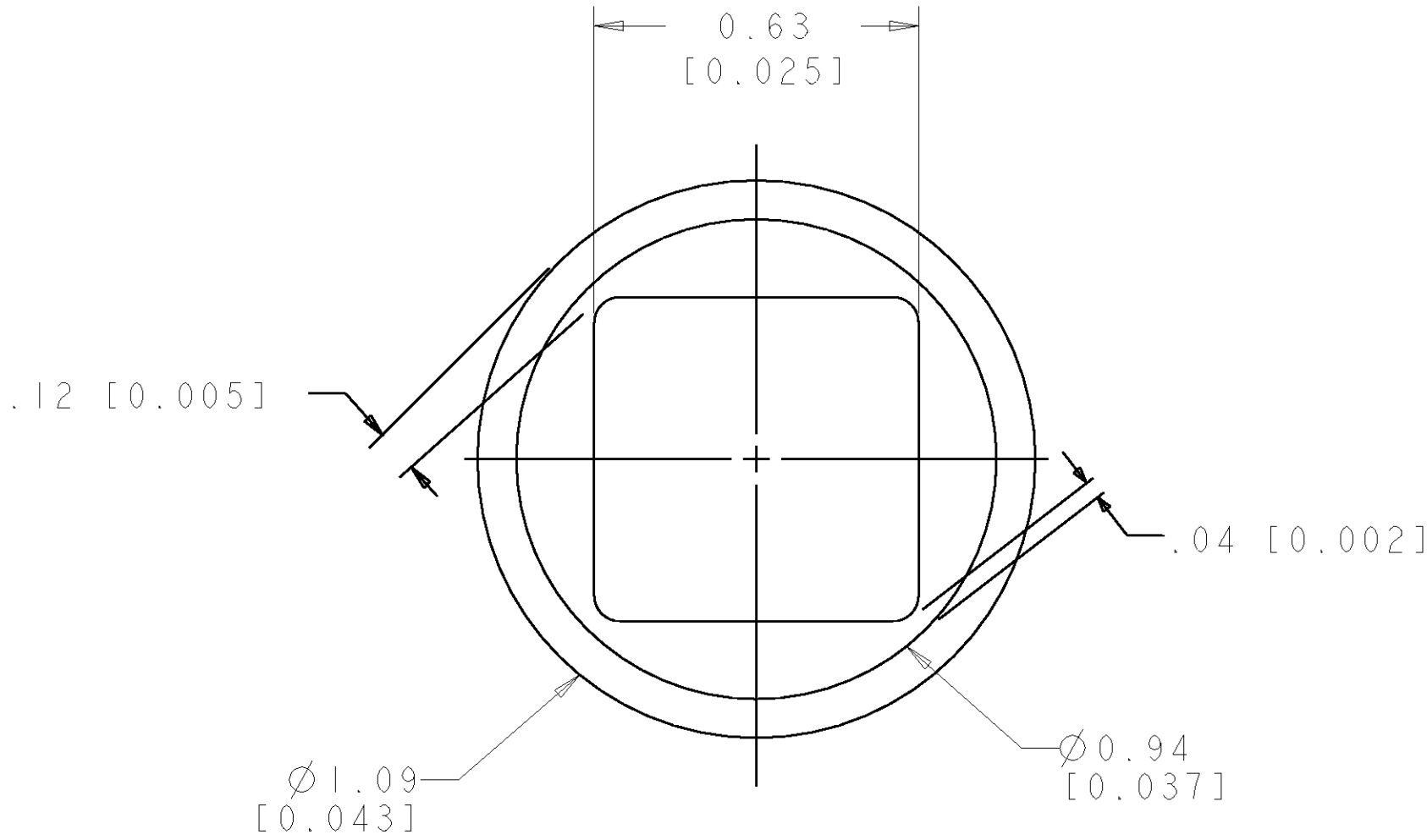
| CONNECTOR | CATALOG<br>MODULE # | QTY | SIZE<br>NO.           | CONTACT<br>QTY | MATING PIN                   | MAX. CURRENT<br>(PER CONTACT) | CONTACT<br>SPACING | VOLTAGE<br>RATING |
|-----------|---------------------|-----|-----------------------|----------------|------------------------------|-------------------------------|--------------------|-------------------|
| PIN       | FP201               | 6   | 8                     | 6              | 1.25 X 7.00<br>[.049 X .276] | 35 amps                       | 7.50 [.2953]       | 250 VOLTS         |
|           | FP503               | 2   | STRAIGHT GUIDE PIN    |                |                              |                               |                    |                   |
|           | FP500               | 1   | LEFT MOUNTING FLANGE  |                |                              |                               |                    |                   |
|           | FP501               | 1   | RIGHT MOUNTING FLANGE |                |                              |                               |                    |                   |

|                            |  |                                           |  |                               |  |                                                                      |  |
|----------------------------|--|-------------------------------------------|--|-------------------------------|--|----------------------------------------------------------------------|--|
| DIMENSIONS:<br>mm [INCHES] |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | DWN<br>R. GRZYBOWSKI 18SEP106 |  | tyco<br>Electronics<br>Tyco Electronics<br>Harrisburg, PA 17105-3608 |  |
|                            |  |                                           |  |                               |  |                                                                      |  |

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



5. COMPLIANT PIN DETAIL  
SCALE 10 : 1  
INSERTION/EXTRACTION FORCES  
MAXIMUM PUSH IN: 133.3N PER PIN (30 LBS)  
MINIMUM PUSH OUT: 44.4N PER PIN (10 LBS)



6 SOLDER TERMINATION AREA  
SCALE 40:1  
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE  
DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.0005]  
COPPER PLATE: .025 [0.0010] MIN  
TIN PLATE: .008 [0.0003] MIN. (PER SURFACE)

|                                                                                                                                                                                                                                                                                                                           |  |                                           |               |                                                    |  |                                               |           |            |               |     |   |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|---------------|----------------------------------------------------|--|-----------------------------------------------|-----------|------------|---------------|-----|---|--|--|--|--|
| <small>THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT FOR THAT INFORMATION INDICATED OTHERWISE<br/>THIS IS THE PROPERTY OF TYCO ELECTRONICS CORPORATION. IT IS LOANED TO YOUR ORGANIZATION FOR YOUR USE ONLY. IT IS TO BE RETURNED TO TYCO ELECTRONICS CORPORATION WHEN NO LONGER REQUIRED FOR YOUR USE.</small> |  | DWN<br>R. GRZYBOWSKI                      | 18SEP106      | <b>tyco</b><br><i>Electronics</i>                  |  | Tyco Electronics<br>Harrisburg, PA 17105-3608 |           |            |               |     |   |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                           |  | CHK<br>D. ORRIS                           | 18SEP106      |                                                    |  |                                               |           |            |               |     |   |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                           |  | APVD<br>D. ORRIS                          | 18SEP106      | NAME                                               |  |                                               |           |            |               |     |   |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                           |  | PRODUCT SPEC                              |               | STRAIGHT PIN CONNECTOR,<br>SOLDER TAILS<br>FLATPAQ |  |                                               |           |            |               |     |   |  |  |  |  |
| DIMENSIONS:<br>mm [INCHES]                                                                                                                                                                                                                                                                                                |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |               | APPLICATION SPEC                                   |  | SIZE                                          | CAGE CODE | DRAWING NO | RESTRICTED TO |     |   |  |  |  |  |
|                                                                                                                                                                                                                                      |  | 0 PLC                                     | ±             | -                                                  |  | A                                             | 100779    | C=6646651  | -             |     |   |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                           |  | 1 PLC                                     | ±0.3 [0.01]   |                                                    |  |                                               |           |            |               |     |   |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                           |  | 2 PLC                                     | ±0.15 [0.005] |                                                    |  |                                               |           |            |               |     |   |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                           |  | 3 PLC                                     | ±0.15 [0.005] |                                                    |  |                                               |           |            |               |     |   |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                           |  | 4 PLC                                     | ±0.013        |                                                    |  | SCALE                                         | 2:1       | SHEET      | 3 OF 3        | REV | A |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                           |  | 5 PLC                                     | ±0.001        |                                                    |  |                                               |           |            |               |     |   |  |  |  |  |
| MATERIAL                                                                                                                                                                                                                                                                                                                  |  | FINISH                                    | ±             | WEIGHT                                             |  | CUSTOMER DRAWING                              |           |            |               |     |   |  |  |  |  |
| -                                                                                                                                                                                                                                                                                                                         |  | -                                         | -             | -                                                  |  |                                               |           |            |               |     |   |  |  |  |  |

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