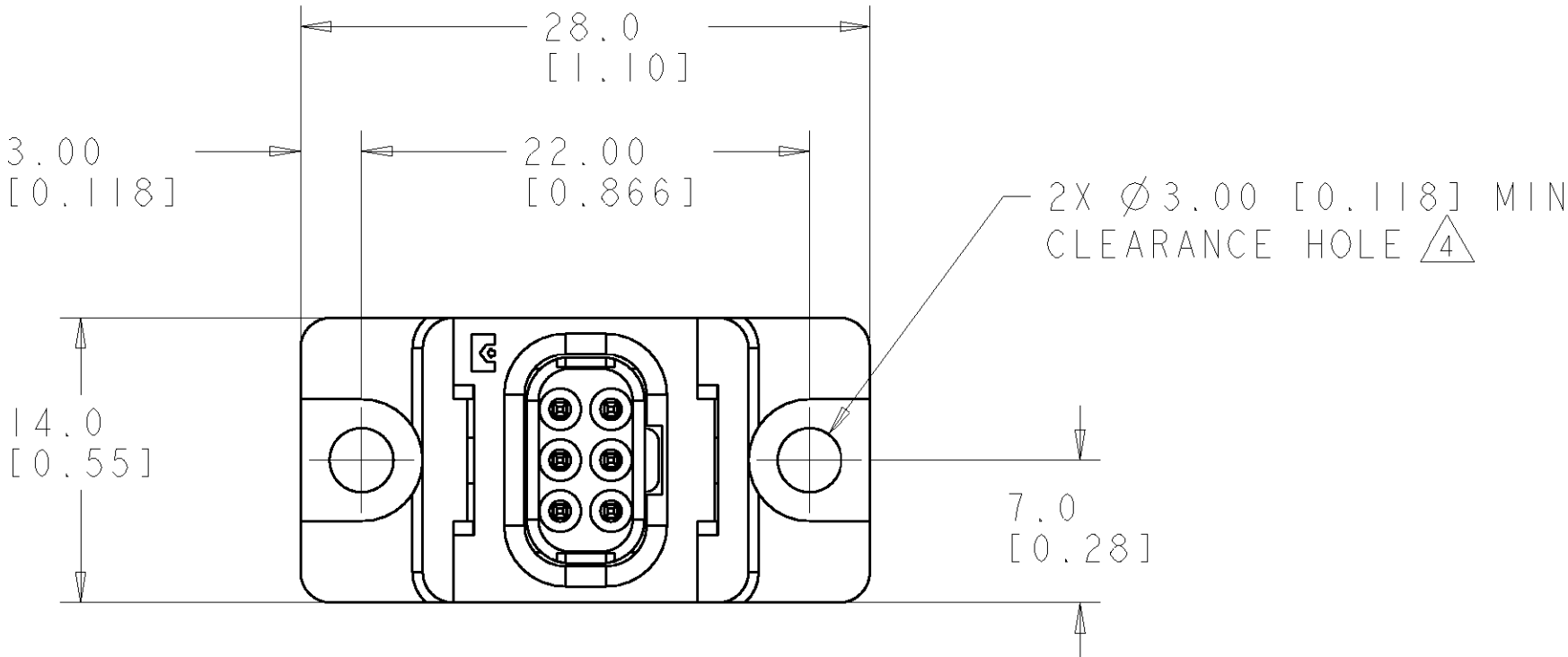


| LOC | DIST | REVISIONS |     |             |           |     |      |
|-----|------|-----------|-----|-------------|-----------|-----|------|
|     |      | P         | LTR | DESCRIPTION | DATE      | DWN | APVD |
| GP  | 00   |           | A   | RELEASED    | 13JUN2007 | RG  | PD   |
|     |      |           |     |             |           |     |      |
|     |      |           |     |             |           |     |      |
|     |      |           |     |             |           |     |      |
|     |      |           |     |             |           |     |      |



1. PART NUMBER CHANGES AND OR DESIGN CHANGES AFFECTING ITEM INTERCHANGEABILITY REQUIRE PRIOR TYCO ELECTRONICS APPROVAL AND AUTHORIZATION BY REVISION TO THIS DRAWING.

2. MATERIAL:  
INSULATORS - THERMOPLASTIC, GLASS REINFORCED  
COLOR: BLACK, UL94V-0 FLAMMABILITY RATED.  
SOLDER SIGNAL PINS-BRASS ALLOY  
COMPLIANT SIGNAL PIN-PHOSOHOR BRONZE

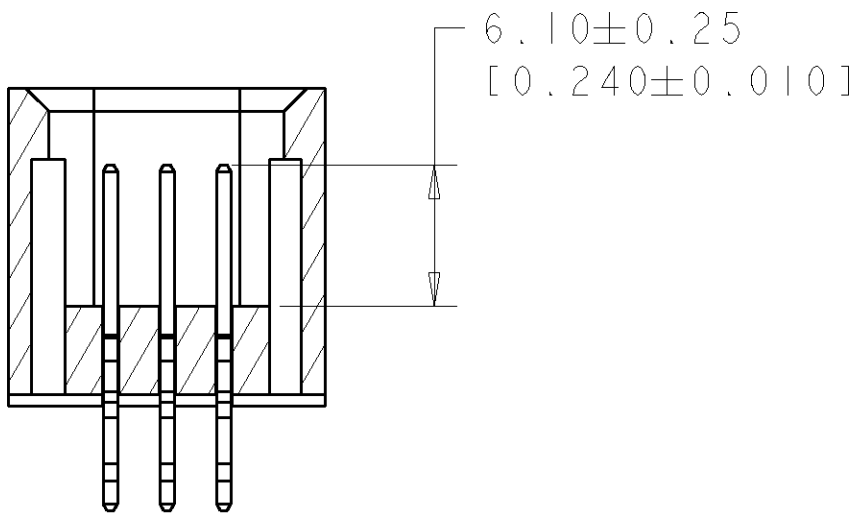
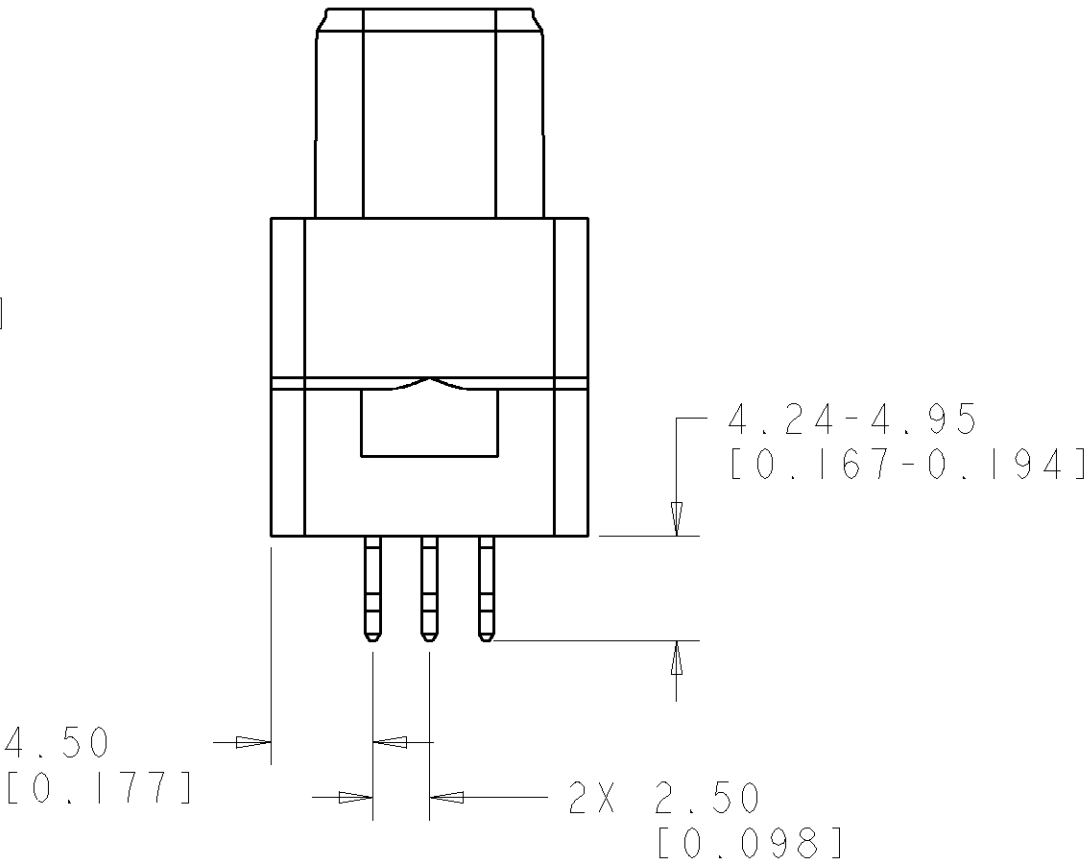
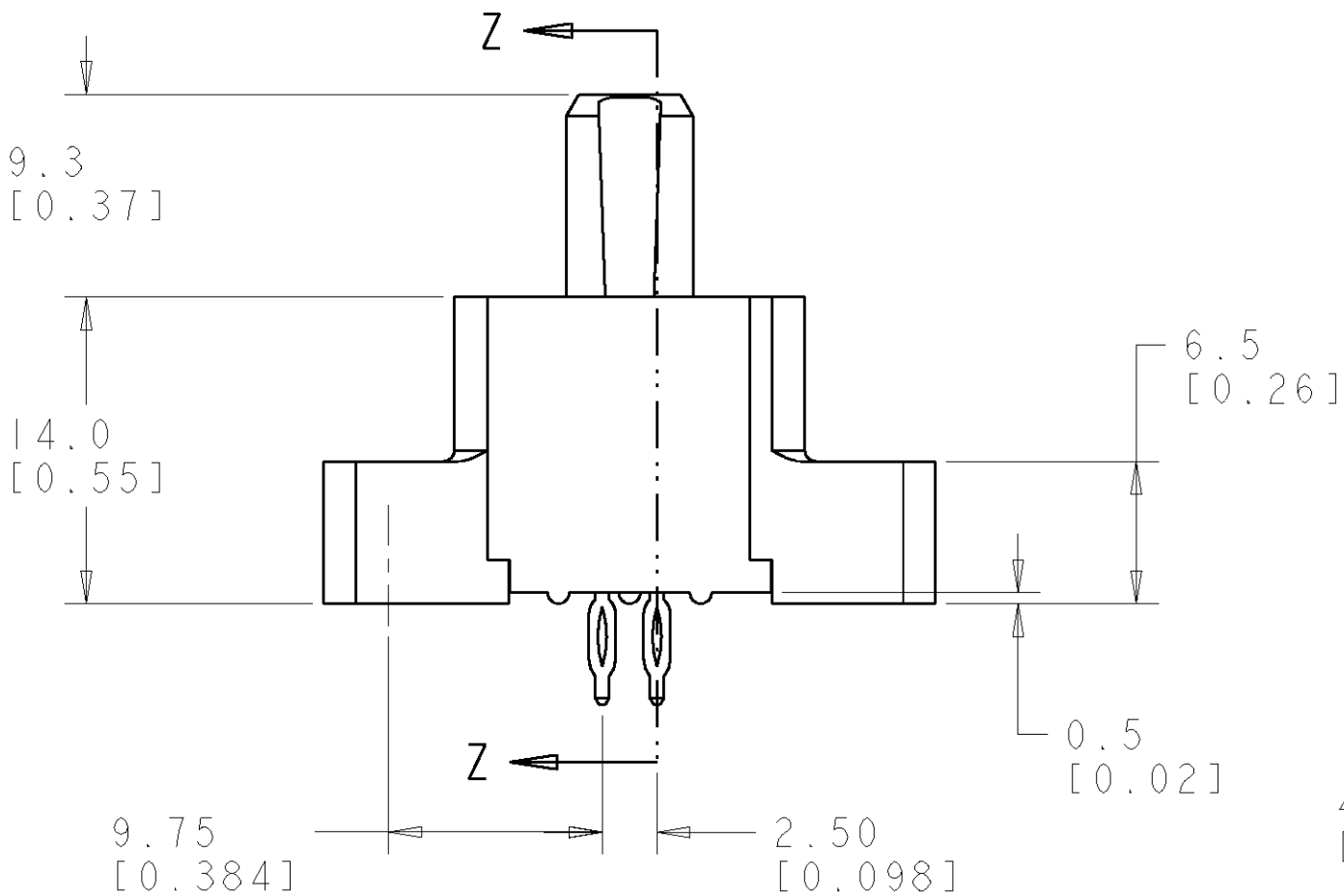
3. FINISH:  
CONTACTS - GOLD PLATE 0.76µM MIN. THK., OVER  
NICKEL 1.27µM MIN. THK  
COMPLIANT TAILS, TIN 1.02µM MIN. THK. OVER  
NICKEL 1.27µM MIN THK.

△ MOUNTING FLANGE ACCEPTS M4 OR #6 SCREWS (USER SUPPLIED).

5. CONTACT TYCO FOR RECOMMENDED PRESS TOOL DRAWING, FIX00229,

6. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED ON THE CONTAINER PER THE FOLLOWING IDENTIFIER LABEL  
YEAR WEEK

TYCO ELECTRONICS P/N  
XXXXXXXX-X  
DATE CODE (e.g. 0106)  
XXXX

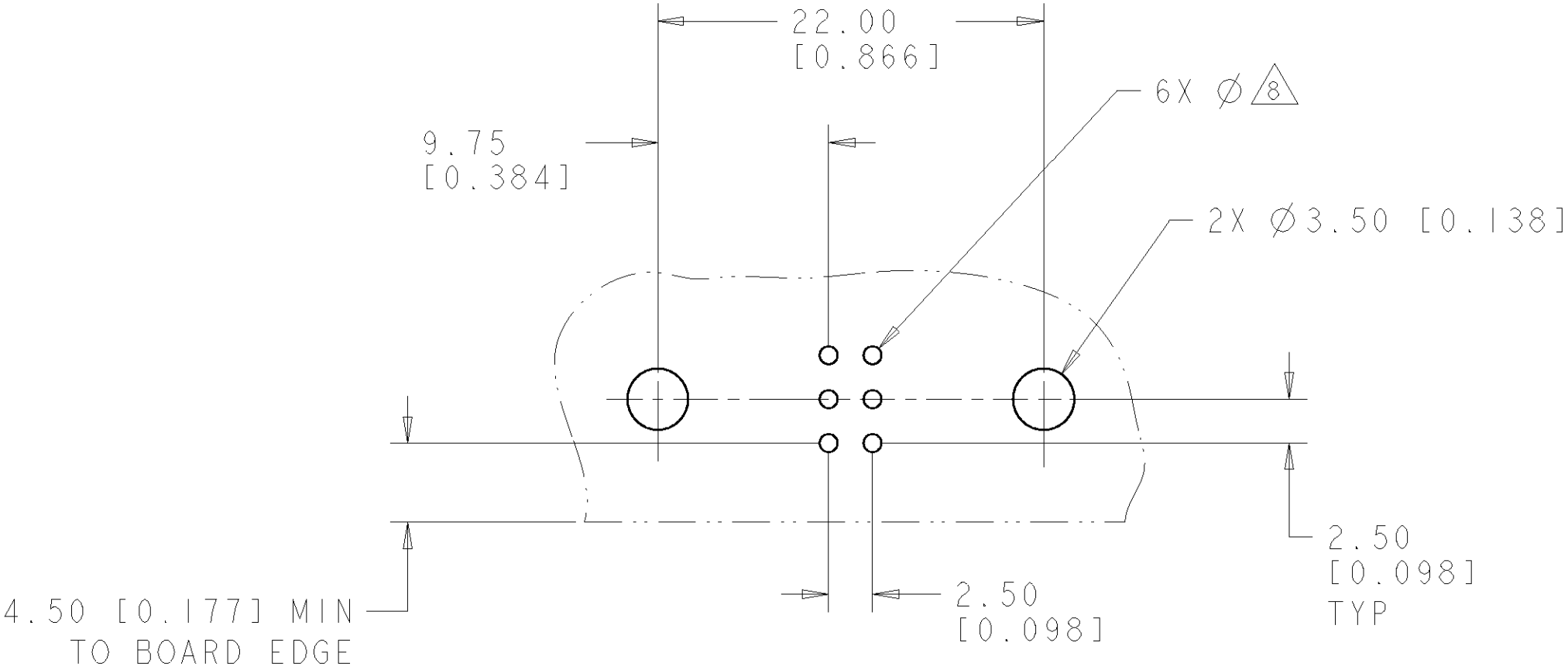


SECTION Z-Z

ELCON FLATPAQ

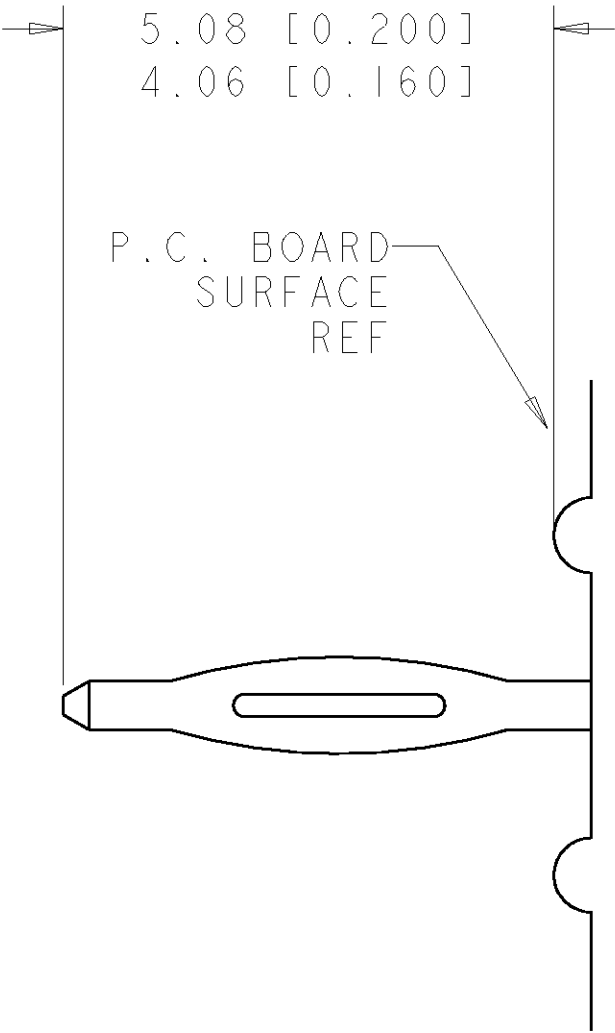
|                                                                                                                                                                                           |  |  |  |                                    |                                                            |                        |                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------------------------------|------------------------------------------------------------|------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION. IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION SHOULD BE CONTACTED FOR THE LATEST REVISION. |  |  |  | DWN<br>R. GRZYBOWSKI<br>13JUN2007  | Tyco Electronics<br>Harrisburg, PA 17105-3608              |                        |                    |
|                                                                                                                                                                                           |  |  |  | CHK<br>P. DAMATO<br>13JUN2007      |                                                            |                        |                    |
|                                                                                                                                                                                           |  |  |  | APVD<br>S. ELICKINGER<br>13JUN2007 | NAME<br>SOCKET CONNECTOR, STRAIGHT<br>COMPLIANT<br>FLATPAQ |                        |                    |
| DIMENSIONS:<br>mm[INCHES]                                                                                                                                                                 |  |  |  | PRODUCT SPEC<br>-                  | SIZE<br>A200779                                            | CAGE CODE<br>C-6651778 | RESTRICTED TO<br>- |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.5 [.020]<br>1 PLC ±.25 [.010]<br>2 PLC ±.25 [.010]<br>3 PLC ±.25 [.010]<br>4 PLC ±.25 [.010]<br>ANGLES ±.5                              |  |  |  | APPLICATION SPEC<br>-              | SCALE<br>3:1                                               | SHEET<br>1             | OF<br>3            |
| MATERIAL<br>-                                                                                                                                                                             |  |  |  | WEIGHT<br>-                        | REV<br>A                                                   |                        |                    |
|                                                                                                                                                                                           |  |  |  | CUSTOMER DRAWING                   |                                                            |                        |                    |

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

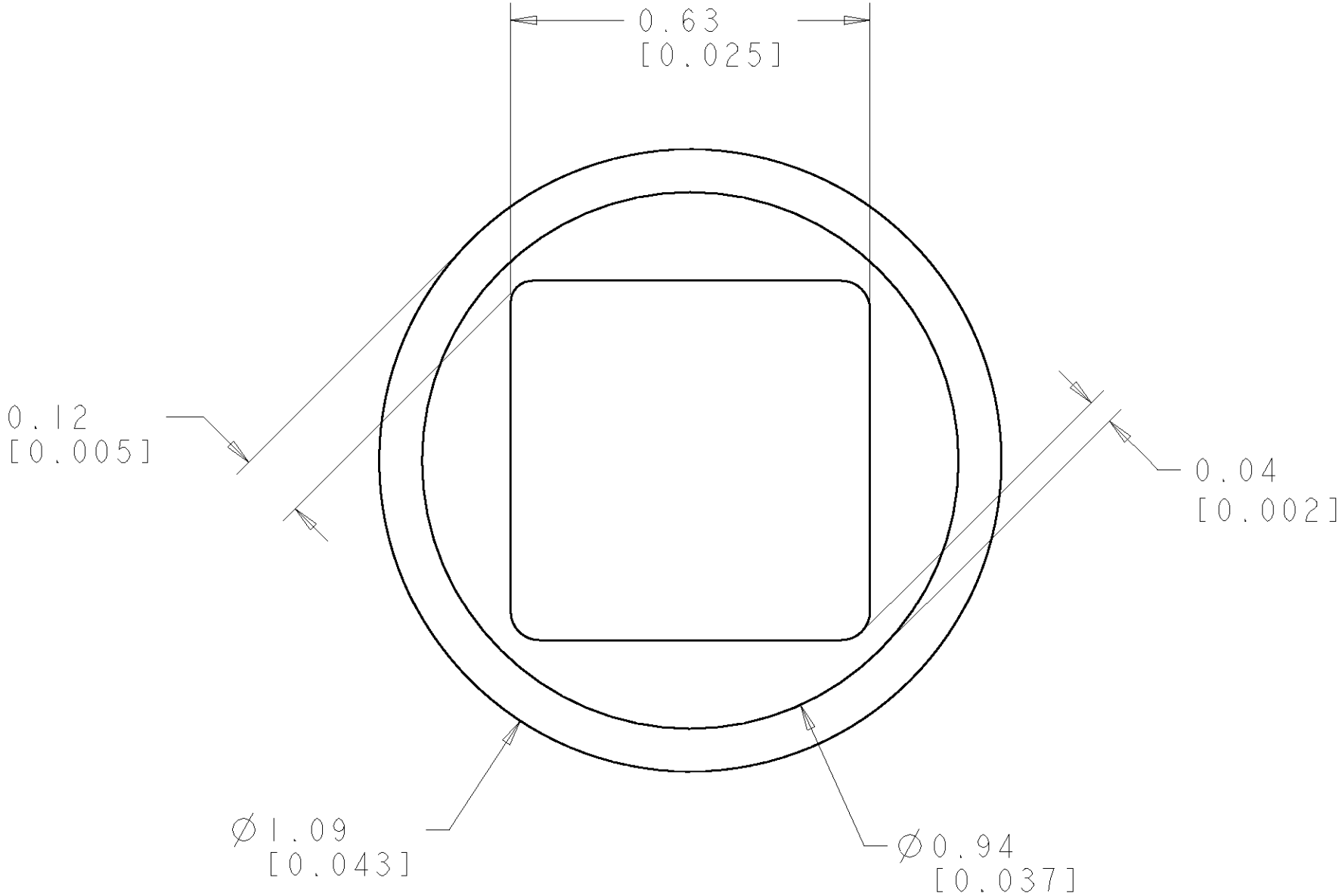


| CONNECTOR | CATALOG<br>MODULE # | QTY | SIZE<br>NO.            | CONTACT<br>QTY | MATING PIN     | MAX. CURRENT<br>(PER CONTACT) | CONTACT<br>SPACING | VOLTAGE<br>RATING |
|-----------|---------------------|-----|------------------------|----------------|----------------|-------------------------------|--------------------|-------------------|
| SOCKET    | FP413               | 1   | 22                     | 6              | .64 [.025] SQ. | 3 amps                        | 2.50 [.0984]       | 125 VOLTS         |
|           | FP500               | 1   | MOUNTING FLANGE, LEFT  |                |                |                               |                    |                   |
|           | FP501               | 1   | MOUNTING FLANGE, RIGHT |                |                |                               |                    |                   |

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



7. COMPLIANT PIN DETAIL  
SCALE 10 : 1  
INSERTION/EXTRACTION FORCES  
MAXIMUM PUSH IN: 133.3N PER PIN  
[30 LBS]  
MINIMUM PUSH OU: 44.4N PER PIN  
[10 LBS]



8. SOLDER TERMNIATION AREA  
SCALE 40:1  
RECOMMENDED PRINTED CIRCUT HOLE  
SOLDER OR COMPLIANT PRESS FIT  
DRILLED HOLE: Ø1.15 [.0453] ±.013 [.0005]  
COPPER PLATE: .025 [.0010] TO .050 [.0020]  
TIN PLATE: .0005 [.000020] MIN. (PER SURFACE)

|                                                                                                                                                                                                |  |                                                                                                          |                                               |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT FOR TYCO ELECTRONICS CORPORATION<br>IT IS SUBJECT TO CHANGE AND THE CONTROLLING ENGINEERING ORGANIZATION<br>SHOULD BE CONTACTED FOR THE LATEST REVISION. |  | DWN<br>R. GRZYBOWSKI<br>13JUN2007<br>CHK<br>P. DAMATO<br>13JUN2007<br>APVD<br>S. FLICKINGER<br>13JUN2007 | Tyco Electronics<br>Harrisburg, PA 17105-3608 |                                                            |
| DIMENSIONS:<br>mm[INCHES]                                                                                                                                                                      |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                                |                                               | NAME<br>SOCKET CONNECTOR, STRAIGHT<br>COMPLIANT<br>FLATPAQ |
|                                                                                                                                                                                                |  | 0 PLC ±.5<br>1 PLC ±.5 [.020]<br>2 PLC ±.25 [.010]<br>3 PLC ±.<br>4 PLC ±.<br>ANGLES ±.5<br>FINISH       |                                               | SIZE<br>A200779                                            |
| MATERIAL<br>-                                                                                                                                                                                  |  | PRODUCT SPEC<br>-<br>APPLICATION SPEC<br>-<br>WEIGHT<br>-                                                |                                               | CAGE CODE<br>C-6651778                                     |
|                                                                                                                                                                                                |  | CUSTOMER DRAWING                                                                                         |                                               | RESTRICTED TO<br>-                                         |
|                                                                                                                                                                                                |  | SCALE 3:1                                                                                                |                                               | SHEET 3 OF 3<br>REV A                                      |

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