

| LOC |  | DIST |  | REVISIONS |     |             |           |     |      |
|-----|--|------|--|-----------|-----|-------------|-----------|-----|------|
| GP  |  | 00   |  | P         | LTR | DESCRIPTION | DATE      | DWN | APVD |
|     |  |      |  |           | A   | RELEASED    | 05JAN2007 | RG  | SF   |
|     |  |      |  |           |     |             |           |     |      |
|     |  |      |  |           |     |             |           |     |      |
|     |  |      |  |           |     |             |           |     |      |

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:

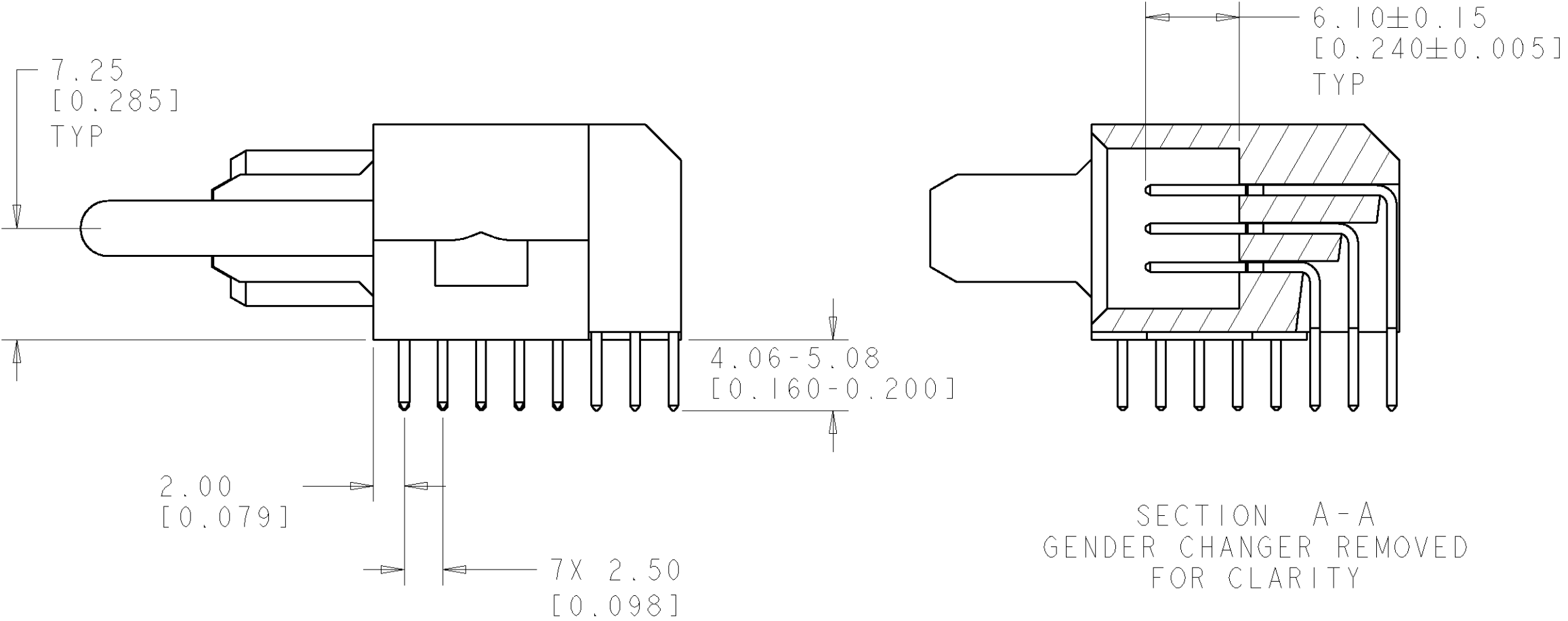
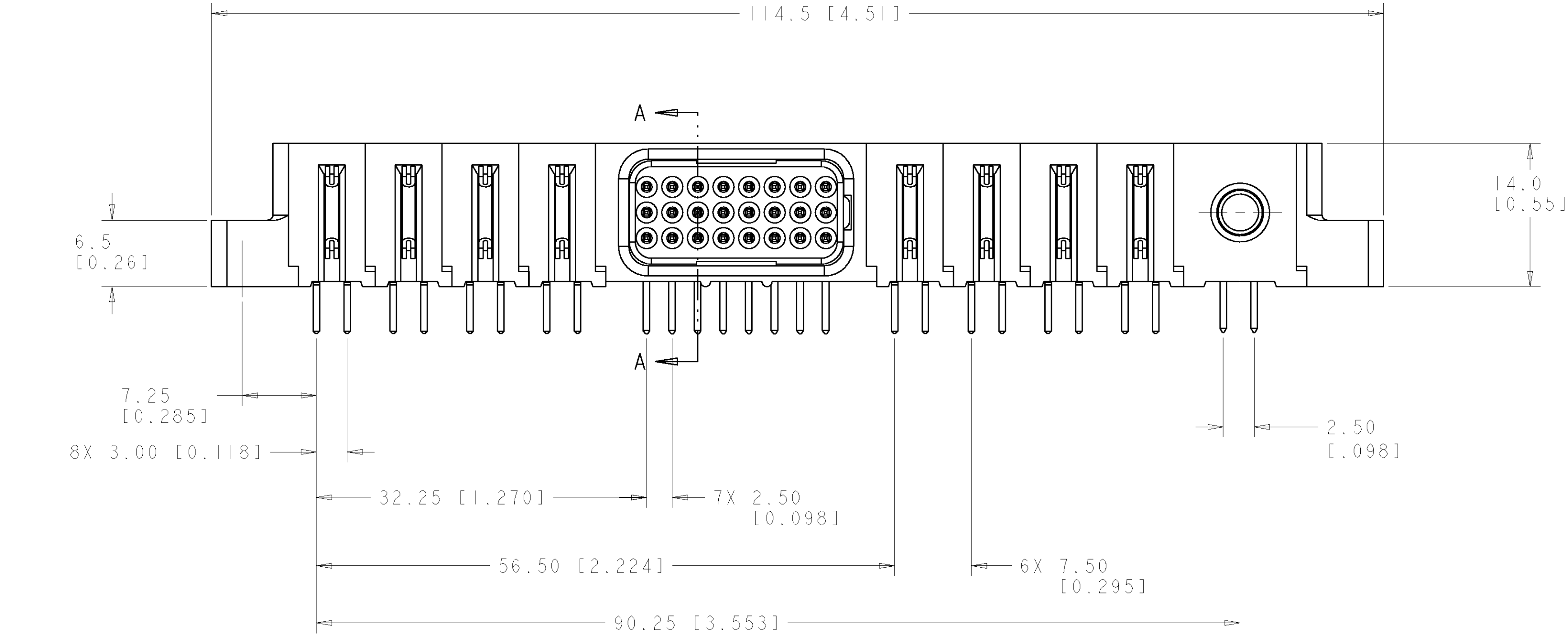
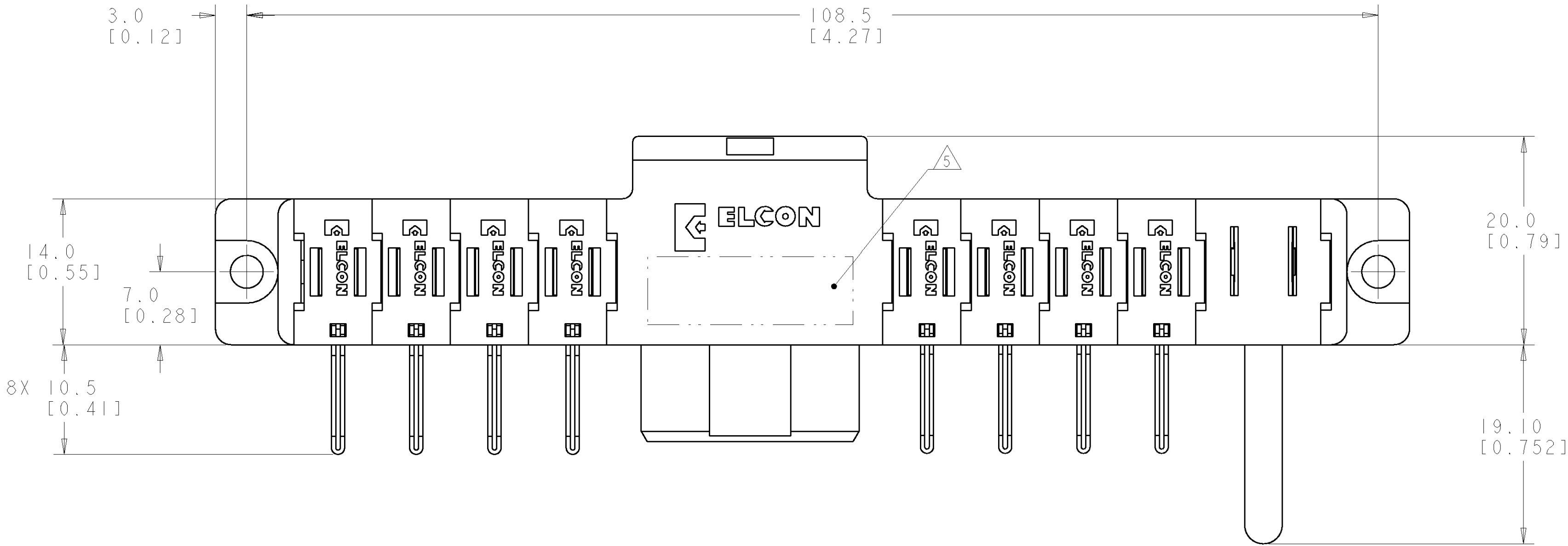
INSULATORS - THERMOPLASTIC, GLASS REINFORCED,  
COLOR: BLACK, UL94V-0 FLAMMABILITY RATED.  
POWER CONTACTS - PHOSPHOR BRONZE ALLOY,  
COPPER ALLOY  
SOLDER SIGNAL PINS-BRASS ALLOY  
CROWN BAND-BERYLLIUM COPPER ALLOY  
GUIDE PIN - BRASS ALLOY
3. FINISH:

CONTACTS - GOLD PLATE 0.76µm MIN. THK., OVER  
NICKEL 1.27µm MIN. THK.  
SOLDER TAILS, TIN 3.05µm MIN. THK.  
OVER NICKEL 1.27µm THK.  
GUIDE PIN - SILVER PLATE 5.08µm MIN THK. OVER  
NICKEL 1.02µm MIN THK.

- MOUNTING FLANGES ACCEPT M3 OR #4-40 SCREWS, (USER SUPPLIED)
- ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL

YEAR 1 WEEK

TYCO ELECTRONICS P/NXXXXXXXX-XDATE CODEXXXX(e.g. 0106)



ELCON

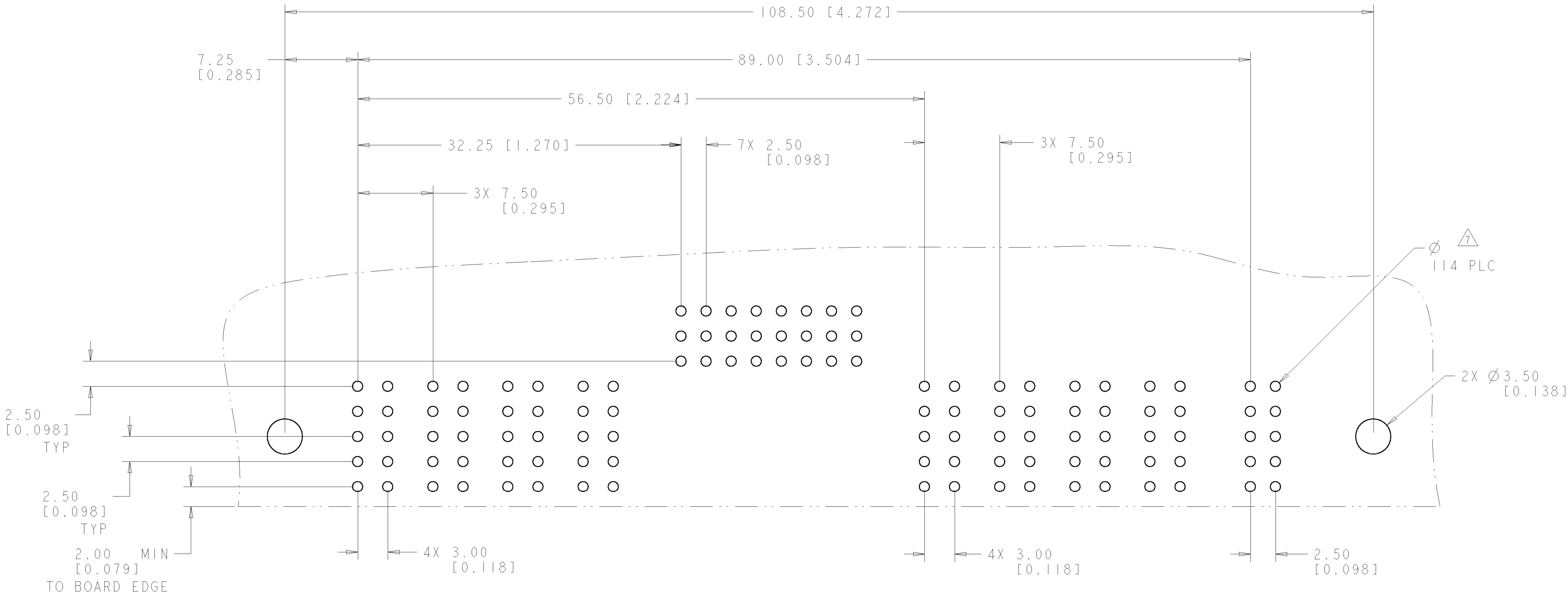
FLATPAQ

|             |             |
|-------------|-------------|
| AS SHOWN    | 6648036-1   |
| DESCRIPTION | PART NUMBER |

|                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                        |                               |                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------|--|
| TYCO ELECTRONICS CORPORATION<br>THIS DRAWING IS UNPUBLISHED. IT IS THE PROPERTY OF TYCO ELECTRONICS CORPORATION. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED. IT IS TO BE KEPT IN THE POSSESSION OF THE USER AND NOT BE LOANED, REPRODUCED, COPIED, OR IN ANY MANNER DISCLOSED TO OTHERS WITHOUT THE WRITTEN PERMISSION OF TYCO ELECTRONICS CORPORATION. |  | DWN<br>R. GRZYBOWSKI<br>CHK<br>S. FLICKINGER<br>APVD<br>S. FLICKINGER                                                  | 05JAN07<br>05JAN07<br>05JAN07 | Tyco Electronics<br>Harrisburg, PA 17105-3608 |  |
| DIMENSIONS:<br>mm [INCHES]                                                                                                                                                                                                                                                                                                                                    |  | TOLERANCES UNLESS OTHERWISE SPECIFIED:                                                                                 |                               | NAME                                          |  |
|                                                                                                                                                                                                                                                                                                                                                               |  | 0 PLC ±.5 [1.020]<br>1 PLC ±.5 [1.020]<br>2 PLC ±.25 [1.010]<br>3 PLC ±.25 [1.010]<br>4 PLC ±.25 [1.010]<br>ANGLES ±.5 |                               | PRODUCT SPEC                                  |  |
| MATERIAL                                                                                                                                                                                                                                                                                                                                                      |  | FINISH                                                                                                                 |                               | APPLICATION SPEC                              |  |
| -                                                                                                                                                                                                                                                                                                                                                             |  | -                                                                                                                      |                               | WEIGHT                                        |  |
| -                                                                                                                                                                                                                                                                                                                                                             |  | -                                                                                                                      |                               | CUSTOMER DRAWING                              |  |
| -                                                                                                                                                                                                                                                                                                                                                             |  | -                                                                                                                      |                               | SIZE CAGE CODE DRAWING NO                     |  |
| -                                                                                                                                                                                                                                                                                                                                                             |  | -                                                                                                                      |                               | A100779C=6648036                              |  |
| -                                                                                                                                                                                                                                                                                                                                                             |  | -                                                                                                                      |                               | RESTRICTED TO                                 |  |
| -                                                                                                                                                                                                                                                                                                                                                             |  | -                                                                                                                      |                               | SCALE 3:1 SHEET 1 OF 3 REV A                  |  |



| LOC |     | DIST        |  | REVISONS |     |      |  |
|-----|-----|-------------|--|----------|-----|------|--|
| P   | LTR | DESCRIPTION |  | DATE     | DWN | APVD |  |
| -   | -   | SEE SHEET 1 |  | -        | -   | -    |  |
|     |     |             |  |          |     |      |  |
|     |     |             |  |          |     |      |  |
|     |     |             |  |          |     |      |  |



| CONNECTOR | EQUIVALENT CATALOG MODULE # | MODULE QTY | CONTACT QTY | SIZE NO.              | MATING PIN                 | MAX. CURRENT (PER CONTACT) | CONTACT SPACING | VOLTAGE RATING |
|-----------|-----------------------------|------------|-------------|-----------------------|----------------------------|----------------------------|-----------------|----------------|
| PIN       | FPI05                       | 8          | 16          | 8                     | 1.25 X 7.00 [0.049 X .276] | 35 amps                    | 7.50 [0.2953]   | 250            |
|           | FP302                       | 1          | 24          | 22                    | .64 [0.025] SQ.            | 3 amps                     | 2.50 [0.0984]   | 125            |
|           | FP507                       | 2          | 2           | RIGHT ANGLE GUIDE PIN |                            |                            |                 |                |
|           | FP500                       | 1          | -           | LEFT MOUNTING FLANGE  |                            |                            |                 |                |
|           | FP501                       | 1          | -           | RIGHT MOUNTING FLANGE |                            |                            |                 |                |

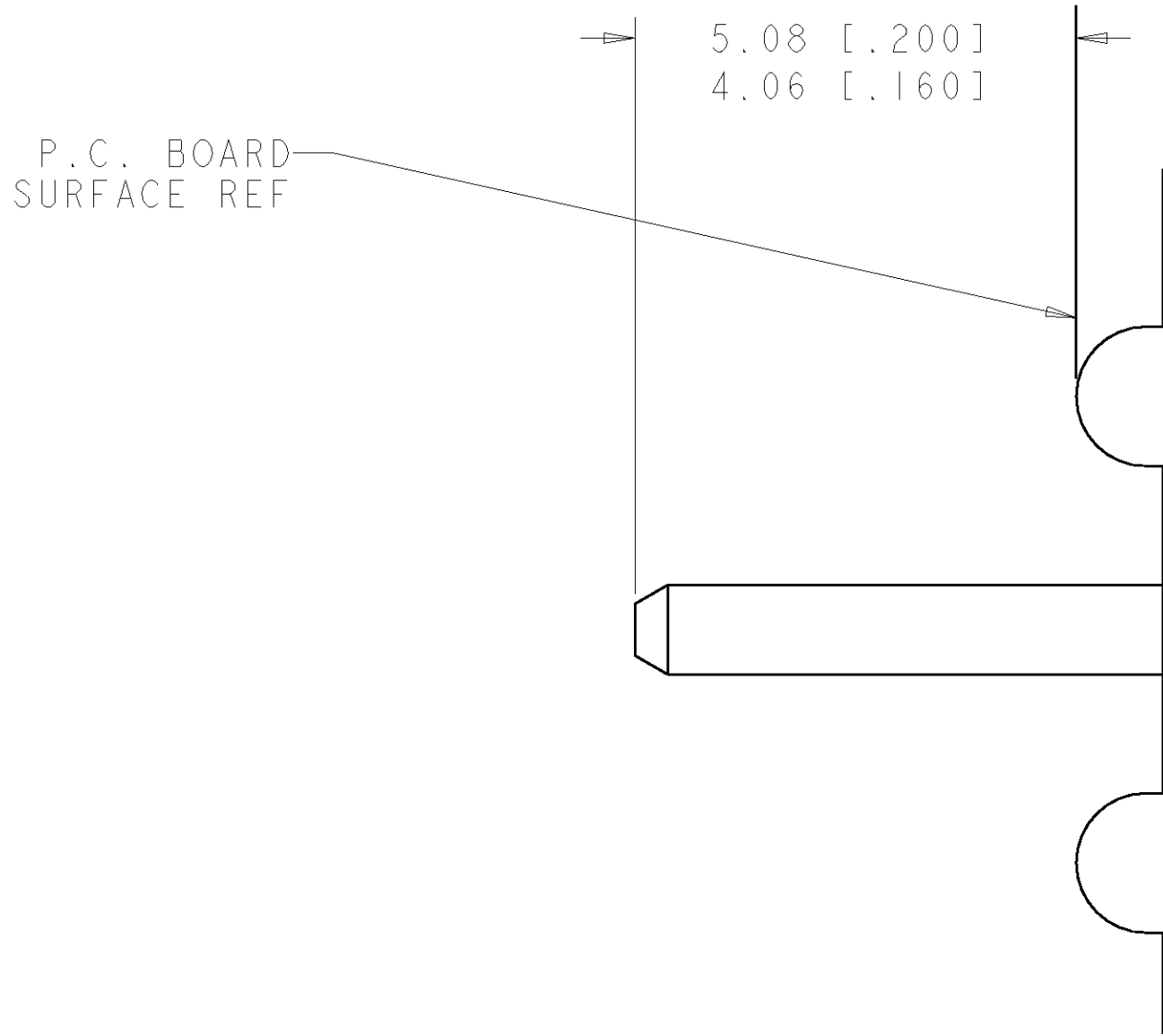
ELCON

FLATPAQ

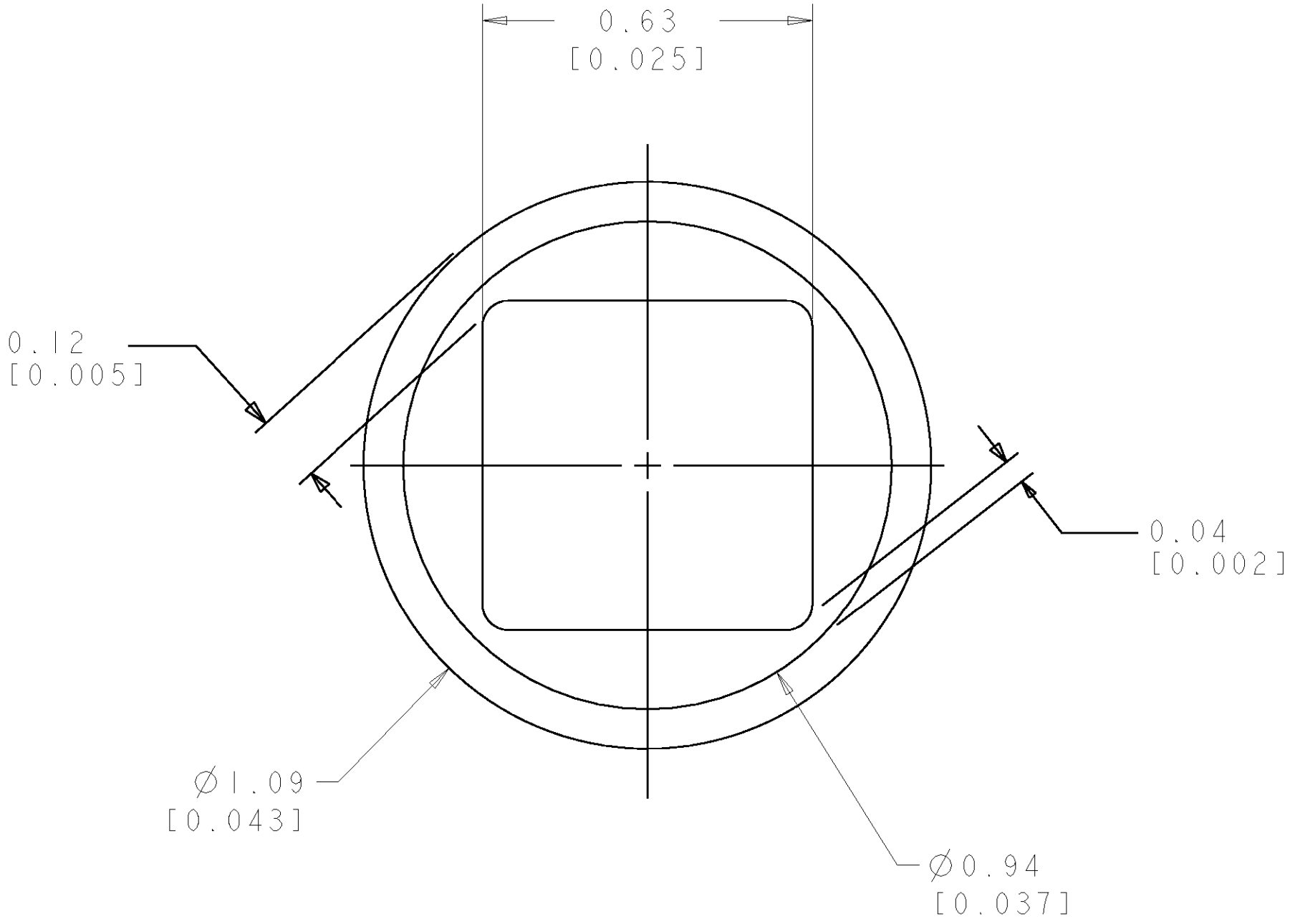
|                                                                                                                                                                                             |  |  |  |                                           |  |                                                                   |  |                                                                  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-------------------------------------------|--|-------------------------------------------------------------------|--|------------------------------------------------------------------|--|--|--|
| 1. DIMENSIONS: 1.1 DIMENSIONS LISTED IN PARENTHESES ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO BE IN MILLIMETERS. 1.2 DIMENSIONS ARE TO BE TO UNLESS OTHERWISE SPECIFIED. |  |  |  | DWN<br>R. GRZYBOWSKI 05JAN07              |  | Tyco Electronics<br>Tyco Electronics<br>Harrisburg, PA 17105-3608 |  |                                                                  |  |  |  |
| DIMENSIONS:<br>mm [INCHES]                                                                                                                                                                  |  |  |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |  | CHK<br>S. FLICKINGER 05JAN07                                      |  |                                                                  |  |  |  |
|                                                                                                                                                                                             |  |  |  |                                           |  | APVD<br>S. FLICKINGER 05JAN07                                     |  | NAME<br>PIN CONNECTOR, RIGHT ANGLE<br>STANDARD SOLDER TAILS<br>- |  |  |  |
| MATERIAL<br>-                                                                                                                                                                               |  |  |  | FINISH<br>-                               |  | PRODUCT SPEC                                                      |  | SIZE<br>A100779                                                  |  |  |  |
|                                                                                                                                                                                             |  |  |  |                                           |  | APPLICATION SPEC                                                  |  | CAGE CODE<br>6648036                                             |  |  |  |
|                                                                                                                                                                                             |  |  |  |                                           |  | WEIGHT<br>-                                                       |  | RESTRICTED TO<br>-                                               |  |  |  |
|                                                                                                                                                                                             |  |  |  |                                           |  | CUSTOMER DRAWING                                                  |  | SCALE<br>3:1                                                     |  |  |  |
|                                                                                                                                                                                             |  |  |  |                                           |  |                                                                   |  | SHEET<br>2                                                       |  |  |  |
|                                                                                                                                                                                             |  |  |  |                                           |  |                                                                   |  | OF<br>3                                                          |  |  |  |
|                                                                                                                                                                                             |  |  |  |                                           |  |                                                                   |  | REV<br>A                                                         |  |  |  |



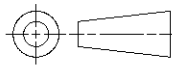
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| GP  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |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



6. SOLDER PIN DETAIL  
SCALE 10:1



 SOLDER TERMNIATION AREA  
SCALE 40:1  
RECOMMENDED PRINTED CIRCUIT SOLDER HOLE  
FINISHED HOLE: Ø1.02 [.040] ±.08 [.003]  
DRILLED HOLE: Ø1.15 [.0453] ±.013 [.0005]  
COPPER PLATE: .025 [.0010] MIN.  
TIN PLATE: .008 [.0003] MIN. (PER SURFACE)

|                                                                                                                                                                                                                                |  |                                           |             |                                                                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|--|
| <small>THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT FOR THAT INFORMATION CONSIDERED<br/>UNCLASSIFIED TO EXEMPT THE CONTROLLING AND CONTROLLING ORGANIZATION<br/>SHOULD BE CONTACTED FOR THE LATEST EDITION.</small> |  | DWN<br>R.GRZYBOWSKI                       | 05JAN07     |  Tyco Electronics<br>Harrisburg, PA 17105-3608 |  |
|                                                                                                                                                                                                                                |  | CHK<br>S.FLICKINGER                       | 05JAN07     |                                                                                                                                     |  |
|                                                                                                                                                                                                                                |  | APVD<br>S.FLICKINGER                      | 05JAN07     | NAME<br>PIN CONNECTOR, RIGHT ANGLE<br>STANDARD SOLDER TAILS                                                                         |  |
|                                                                                                                                                                                                                                |  |                                           |             |                                                                                                                                     |  |
| DIMENSIONS:<br>mm [INCHES]                                                                                                                                                                                                     |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED: |             | PRODUCT SPEC                                                                                                                        |  |
|                                                                                                                                           |  | 0 PLC                                     | ±           | APPLICATION SPEC                                                                                                                    |  |
|                                                                                                                                                                                                                                |  | 1 PLC                                     | ±.5 [.020]  | WEIGHT                                                                                                                              |  |
|                                                                                                                                                                                                                                |  | 2 PLC                                     | ±.25 [.010] |                                                                                                                                     |  |
|                                                                                                                                                                                                                                |  | 3 PLC                                     | ±           | CUSTOMER DRAWING                                                                                                                    |  |
|                                                                                                                                                                                                                                |  | 4 PLC                                     | ±           |                                                                                                                                     |  |
| MATERIAL                                                                                                                                                                                                                       |  | FINISH                                    |             | SCALE 3:1                                                                                                                           |  |
| -                                                                                                                                                                                                                              |  | -                                         |             | SHEET 3 OF 3                                                                                                                        |  |
|                                                                                                                                                                                                                                |  |                                           |             | REV A                                                                                                                               |  |

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