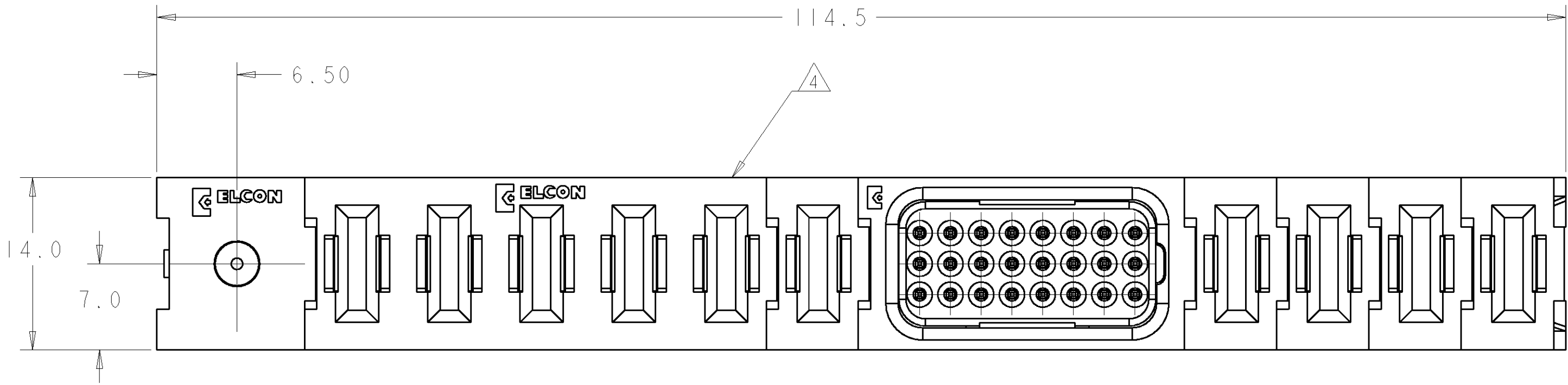


| LOC |    | DIST |     | REVISIONS   |           |     |      |
|-----|----|------|-----|-------------|-----------|-----|------|
| GP  | 00 | P    | LTR | DESCRIPTION | DATE      | DWN | APVD |
|     |    | A    |     | NEW RELEASE | 08AUG2007 | RG  | PD   |
|     |    |      |     |             |           |     |      |
|     |    |      |     |             |           |     |      |



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

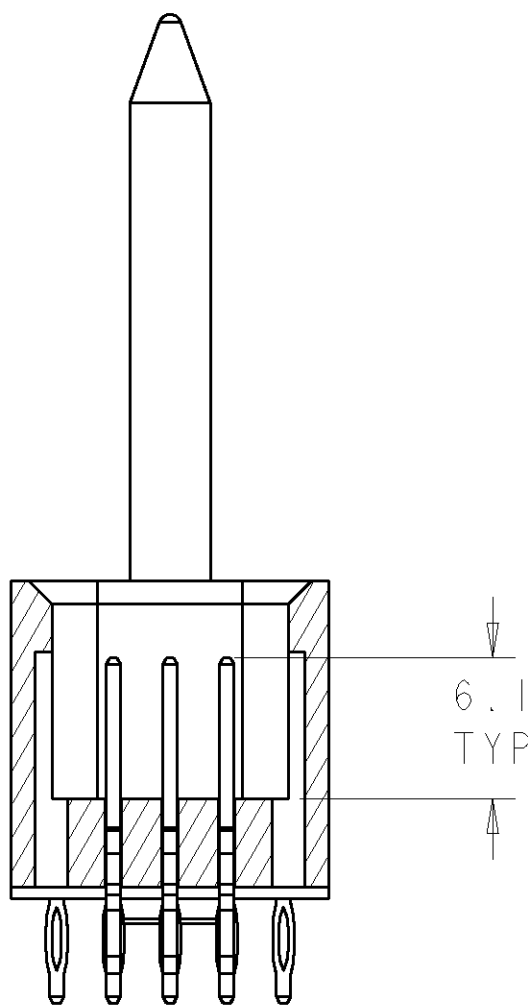
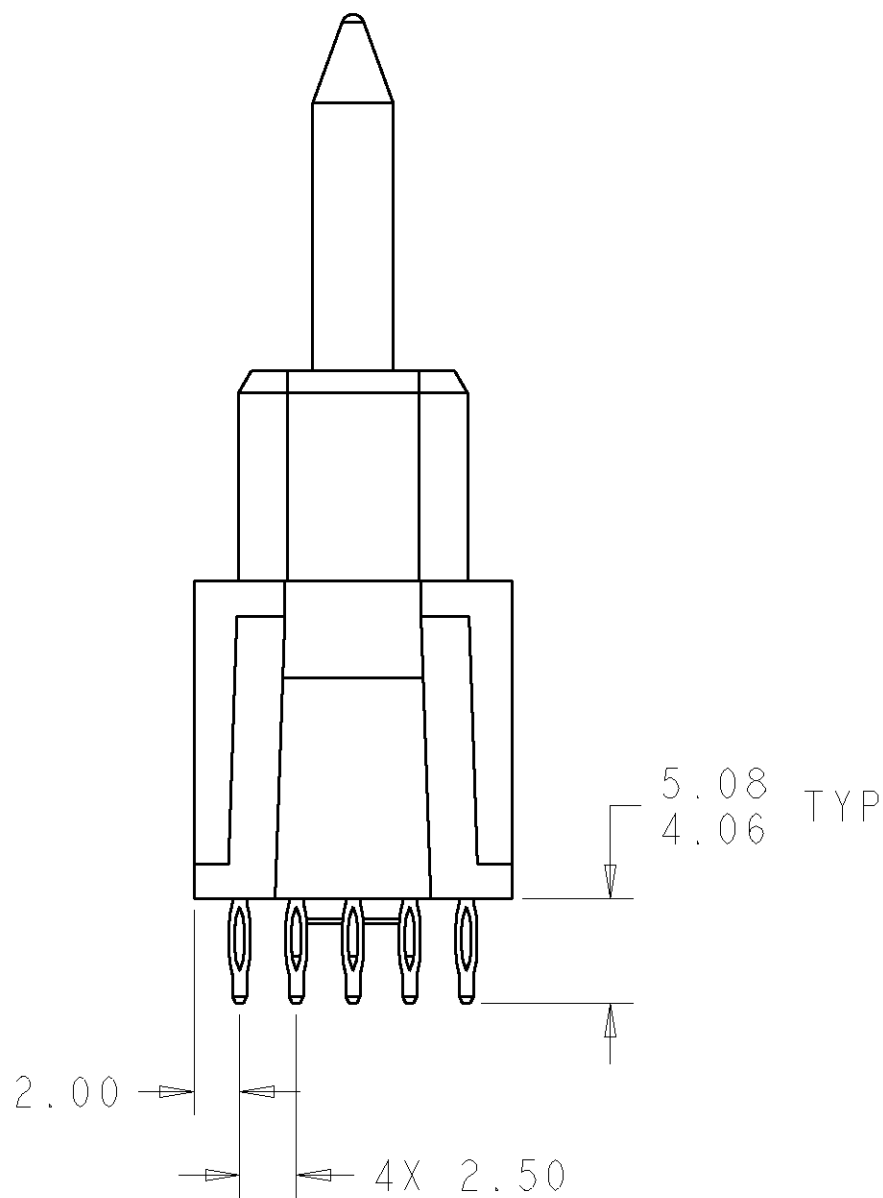
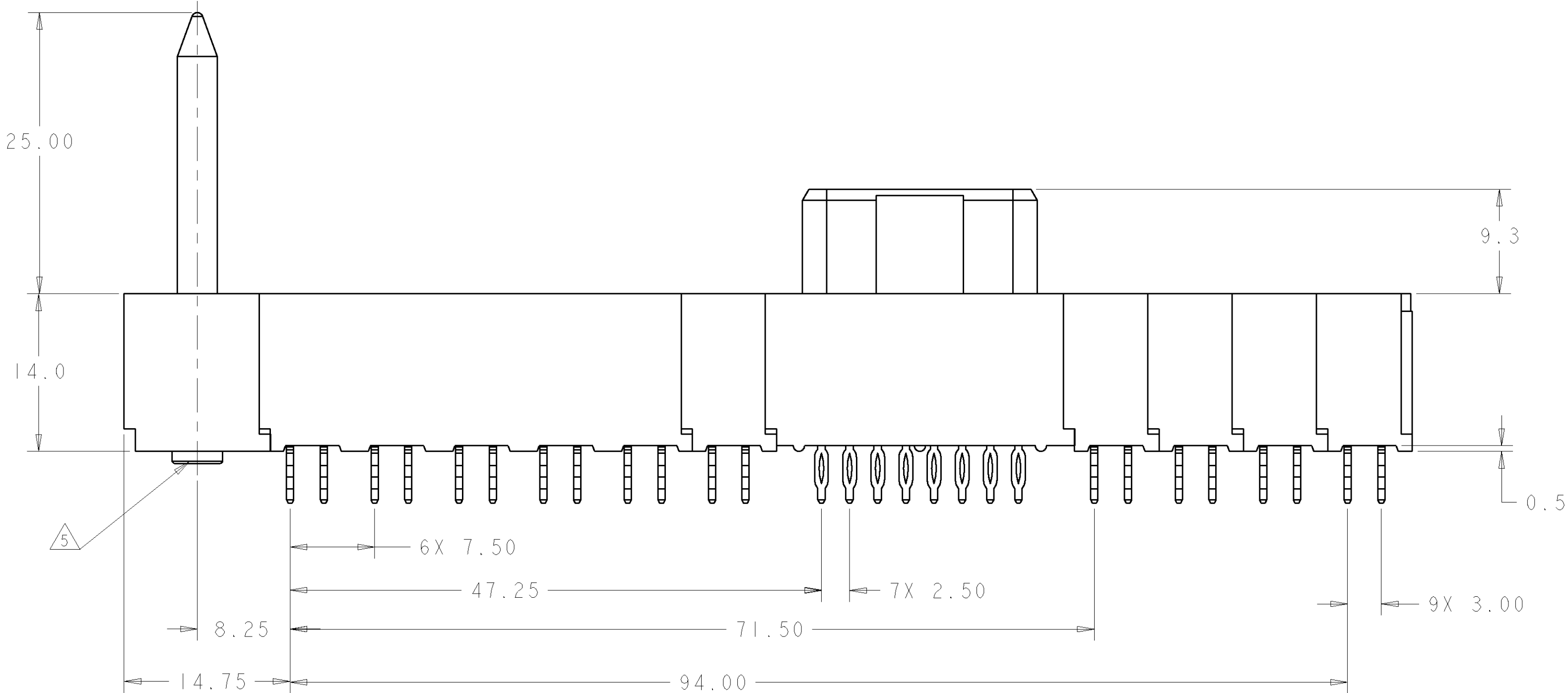
2 MATERIAL: INSULATORS - THERMOPLASTIC, GLASS REINFORCED, COLOR: BLACK  
UL94V-0 FLAMMABILITY RATED.  
POWER CONTACTS - PHOSPHOR BRONZE ALLOY, COPPER ALLOY  
COMPLIANT SIGNAL PIN - BRASS ALLOY  
CROWN BAND-BERYLLIUM COPPER ALLOY  
GUIDE PIN-COPPER ALLOY

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  
GUIDE PIN - SILVER PLATE 5.08µm MIN THK. OVER NICKEL 1.27µm MIN. THK.

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

TYCO ELECTRONICS P/N DATE CODE YEAR WEEK  
XXXXXXX-X XXXX 11 0106

5 ACTIVE GUIDE PIN ACCEPTS M3 X 0.5 SCREWS (USER SUPPLIED).



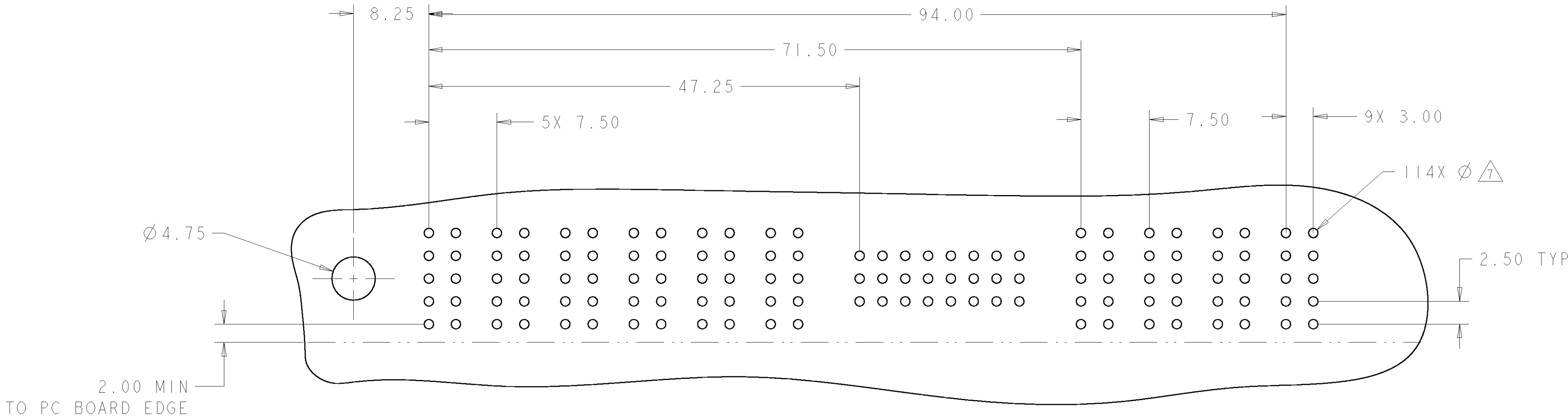
SECTION Z-Z  
GENDER CHANGER  
REMOVED  
FOR CLARITY

ELCON FLATPAQ

|                                                                                                                                                          |  |                                                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------|--|
| AS SHOWN                                                                                                                                                 |  | 6646495-1                                                        |  |
| DESCRIPTION                                                                                                                                              |  | PART NUMBER                                                      |  |
| Tyco Electronics                                                                                                                                         |  | Tyco Electronics<br>Harrisburg, PA 17105-3608                    |  |
| DWN R.GRZYBOWSKI 08AUG2007<br>CHK P.DAMATO 08AUG2007<br>APVD S.FLICKINGER 08AUG2007                                                                      |  | NAME<br>SOCKET CONNECTOR<br>STRAIGHT, COMPLIANT TAIL<br>FLATPAQ  |  |
| DIMENSIONS:<br>mm<br>TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>0 PLC ±.5<br>1 PLC ±.5<br>2 PLC ±.25<br>3 PLC ±.25<br>4 PLC ±.5<br>ANGLES ±.3<br>FINISH - |  | PRODUCT SPEC<br>APPLICATION SPEC<br>WEIGHT -<br>CUSTOMER DRAWING |  |
| MATERIAL -                                                                                                                                               |  | SIZE CAGE CODE DRAWING NO<br>A100779C=6646495                    |  |
|                                                                                                                                                          |  | RESTRICTED TO<br>SCALE 3:1 SHEET 1 OF 3 REV A                    |  |



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



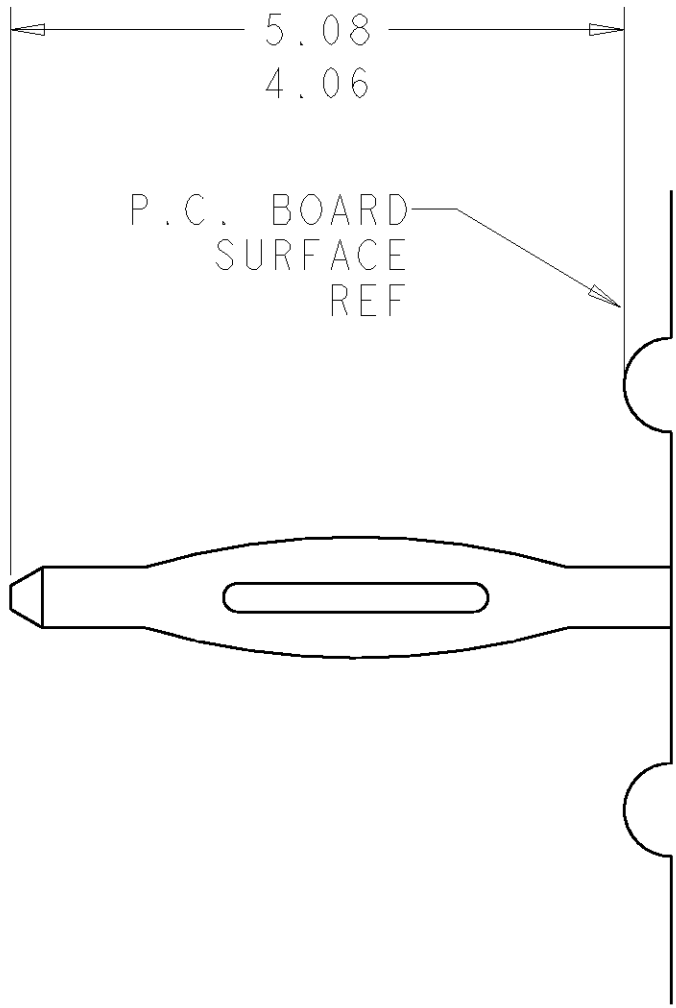
PRINTED CIRCUIT LAYOUT  
COMPONENT SIDE

| CONNECTOR | CATALOG<br>MODULE # | QTY | SIZE<br>NO.       | CONTACT<br>QTY | MATING PIN                   | MAX. CURRENT<br>(PER CONTACT) | CONTACT<br>SPACING | VOLTAGE<br>RATING |
|-----------|---------------------|-----|-------------------|----------------|------------------------------|-------------------------------|--------------------|-------------------|
| SOCKET    | FP200               | 9   | 8                 | 9              | 1.25 X 7.00<br>[.049 X .276] | 35 amps                       | 7.50 [.2953]       | 250 VOLTS         |
|           | FP401               | 1   | 8                 | 24             | .64 [.025] SQ.               | 3 amps                        | 2.50 [.0984]       | 125 VOLTS         |
|           | FP511               | 1   | SPACER            |                |                              |                               |                    |                   |
|           | FP515               | 1   | GUIDE PIN, ACTIVE |                |                              |                               |                    |                   |

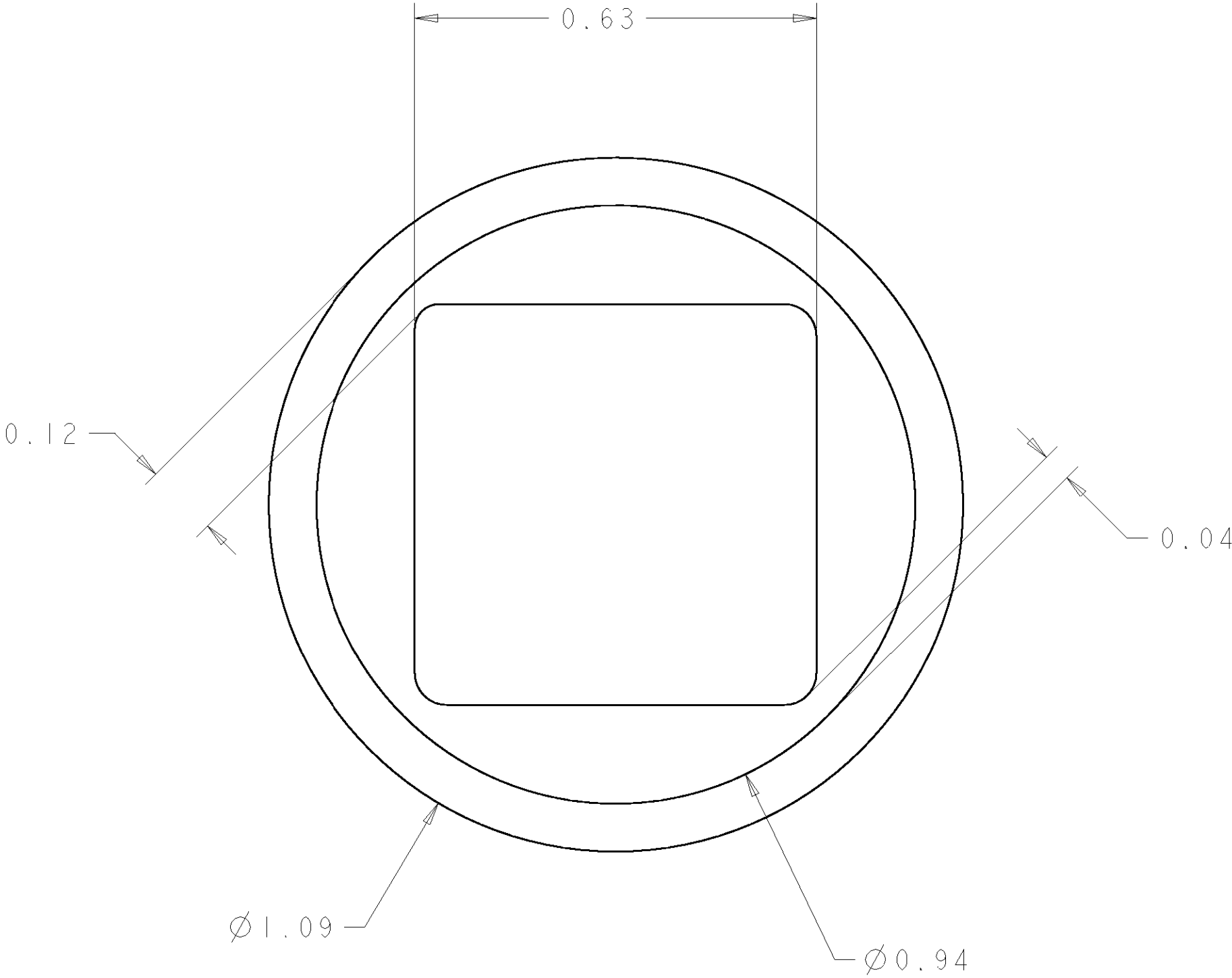
|                 |  |                                                                                          |  |                                                                |                                               |
|-----------------|--|------------------------------------------------------------------------------------------|--|----------------------------------------------------------------|-----------------------------------------------|
| DIMENSIONS:     |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                                |  | DWN<br>R. GRZYBOWSKI<br>08AUG2007                              | Tyco Electronics<br>Harrisburg, PA 17105-3608 |
| mm              |  | 9 PLC ±.5<br>1 PLC ±.5<br>2 PLC ±.25<br>3 PLC ±.5<br>4 PLC ±.5<br>ANGLES ±.3<br>FINISH - |  | CHK<br>P. DAMATO<br>08AUG2007                                  |                                               |
|                 |  | APVD<br>S. FLICKINGER<br>08AUG2007                                                       |  | NAME                                                           |                                               |
| MATERIAL<br>-   |  | FINISH<br>-                                                                              |  | PRODUCT SPEC<br>APPLICATION SPEC<br>WEIGHT<br>CUSTOMER DRAWING |                                               |
| SIZE<br>A100779 |  | CAGE CODE<br>6646495                                                                     |  | RESTRICTED TO                                                  |                                               |
| SCALE<br>3:1    |  | SHEET<br>2 OF 3                                                                          |  | REV<br>A                                                       |                                               |



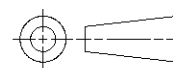
| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| GP  | 00   | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         | -   | SEE SHEET 1 | -    | -   | -    |
|     |      |           |     |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



6. 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)



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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                        |               |                  |                                                                                                                                     |                                                         |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|---------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|--|--|
| <small>THIS DRAWING IS UNPUBLISHED. IT IS THE PROPERTY OF TYCO ELECTRONICS CORPORATION. IT IS TO BE USED FOR THE PURPOSES SPECIFIED IN THE ORDER. IT IS TO BE RETURNED TO TYCO ELECTRONICS CORPORATION WHEN SO REQUESTED. IT IS TO BE DESTROYED WHEN SO REQUESTED. IT IS TO BE KEPT IN A SAFE PLACE AND NOT BE LOANED, REPRODUCED, COPIED, OR IN ANY MANNER DISCLOSED TO ANY OTHER PERSON OR ORGANIZATION WITHOUT THE WRITTEN PERMISSION OF TYCO ELECTRONICS CORPORATION.</small> |  | DWN                                    | 08AUG2007     |                  |  Tyco Electronics<br>Harrisburg, PA 17105-3608 |                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | CHK                                    | R. GRZYBOWSKI |                  |                                                                                                                                     |                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | APVD                                   | P. DAMATO     |                  |                                                                                                                                     |                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | APVD                                   | S. FLICKINGER |                  |                                                                                                                                     |                                                         |  |  |
| DIMENSIONS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |               | NAME             |                                                                                                                                     | SOCKET CONNECTOR<br>STRAIGHT, COMPLIANT TAIL<br>FLATPAQ |  |  |
| mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                        |               | PRODUCT SPEC     |                                                                                                                                     |                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                              |  |                                        |               | APPLICATION SPEC |                                                                                                                                     |                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                        |               | WEIGHT           |                                                                                                                                     |                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                        |               | CUSTOMER DRAWING |                                                                                                                                     |                                                         |  |  |
| MATERIAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | FINISH                                 |               | SCALE            |                                                                                                                                     | RESTRICTED TO                                           |  |  |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | -                                      |               | 3:1              |                                                                                                                                     |                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                        |               | SHEET            |                                                                                                                                     | REV                                                     |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                        |               | 3 OF 3           |                                                                                                                                     |                                                         |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                        |               |                  |                                                                                                                                     | A                                                       |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                        |               |                  |                                                                                                                                     |                                                         |  |  |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[6646495-1](#)