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| REVISIONS |     |                                                                              |         |
|-----------|-----|------------------------------------------------------------------------------|---------|
| EC        | REV | DESCRIPTION                                                                  | DATE    |
| ---       | A   | NEW RELEASE                                                                  | 1/31/06 |
| CPR       | B   | CHANGED COPPER AND TIN PLATE SURFACE THICKNESS ON NOTE 8 - WAS .025 AND .008 | 2/1/06  |
| CPR       | C   | REMOVED PLATED HOLE DIM.                                                     | 2/2/06  |

6. MODULE INFORMATION

| CONNECTOR | TYCO PART NUMBER | CATALOG MODULE # | QTY | SIZE NO.              | CONTACT QTY | MATING PIN                   | MAX. CURRENT (PER CONTACT) | CONTACT SPACING | VOLTAGE RATING* |
|-----------|------------------|------------------|-----|-----------------------|-------------|------------------------------|----------------------------|-----------------|-----------------|
| SOCKET    | 6646346-1        | FP0200           | 5   | 8                     | 5           | 1.25 X 7.00<br>[.049 X .276] | 35 AMPERES                 | 7.50 [.2953]    | 250 VOLTS       |
|           |                  | FP0401           | 1   | 22                    | 24          | .64 [0.025] SQ.              | 1 AMPERE                   | 2.50 [0.0984]   | 125 VOLTS       |
|           |                  | FP0503           | 2   | STRAIGHT GUIDE PIN    |             |                              |                            |                 |                 |
|           |                  | FP0500           | 1   | LEFT MOUNTING FLANGE  |             |                              |                            |                 |                 |
|           |                  | FP0501           | 1   | RIGHT MOUNTING FLANGE |             |                              |                            |                 |                 |

\*IAW IEC-950

NOTES: UNLESS OTHERWISE SPECIFIED.

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

INSULATORS: THERMOPLASTIC, GLASS REINFORCED, COLOR BLACK, UL94V-0 FLAMMABILITY RATED.

COMPLIANT SIGNAL PIN: PHOSPHOR BRONZE ALLOY.

POWER CONTACTS: PHOSPHOR BRONZE ALLOY, COPPER ALLOY.

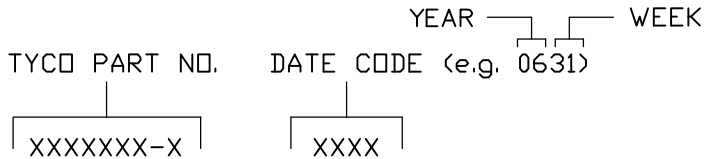
CROWN BANDS: COPPER ALLOY.

GUIDE PIN: BRASS ALLOY.
3. FINISHES:

CONTACTS: GOLD PLATE .000030" MIN. THK, OVER NICKEL .000040" MIN. THICKNESS.

TERMINALS: TIN PLATE, MATTE FINISH 000040" MIN. THICKNESS.

GUIDE PIN: NICKEL PLATE.
4. MOUNTING FLANGES ACCEPT M3 OR NO. 4 SCREWS, (USER SUPPLIED).
5. ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER:

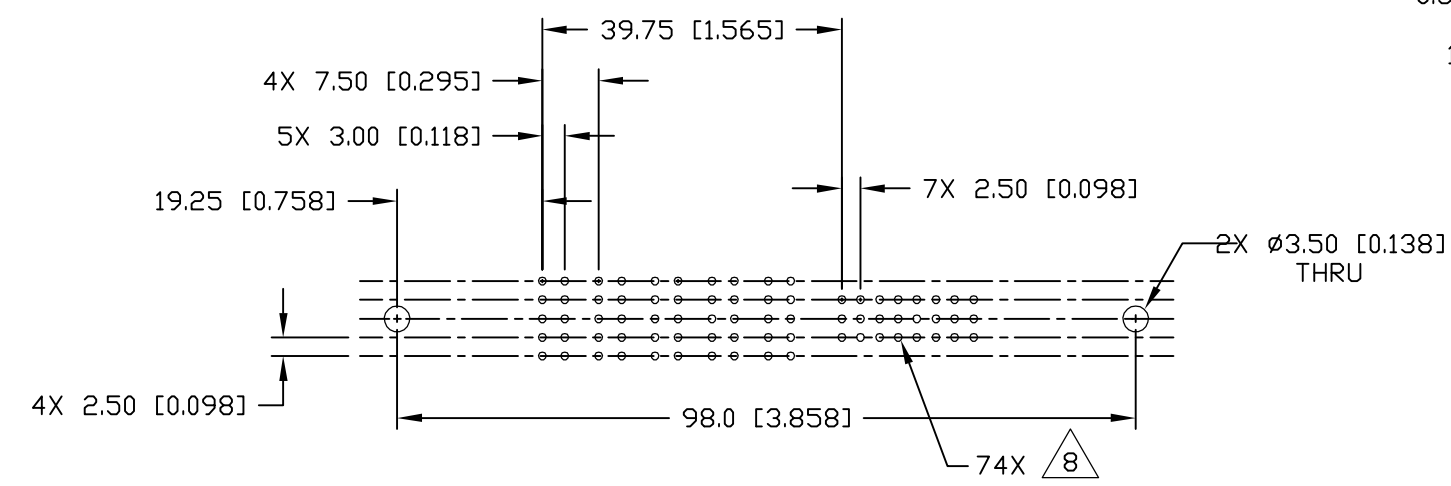
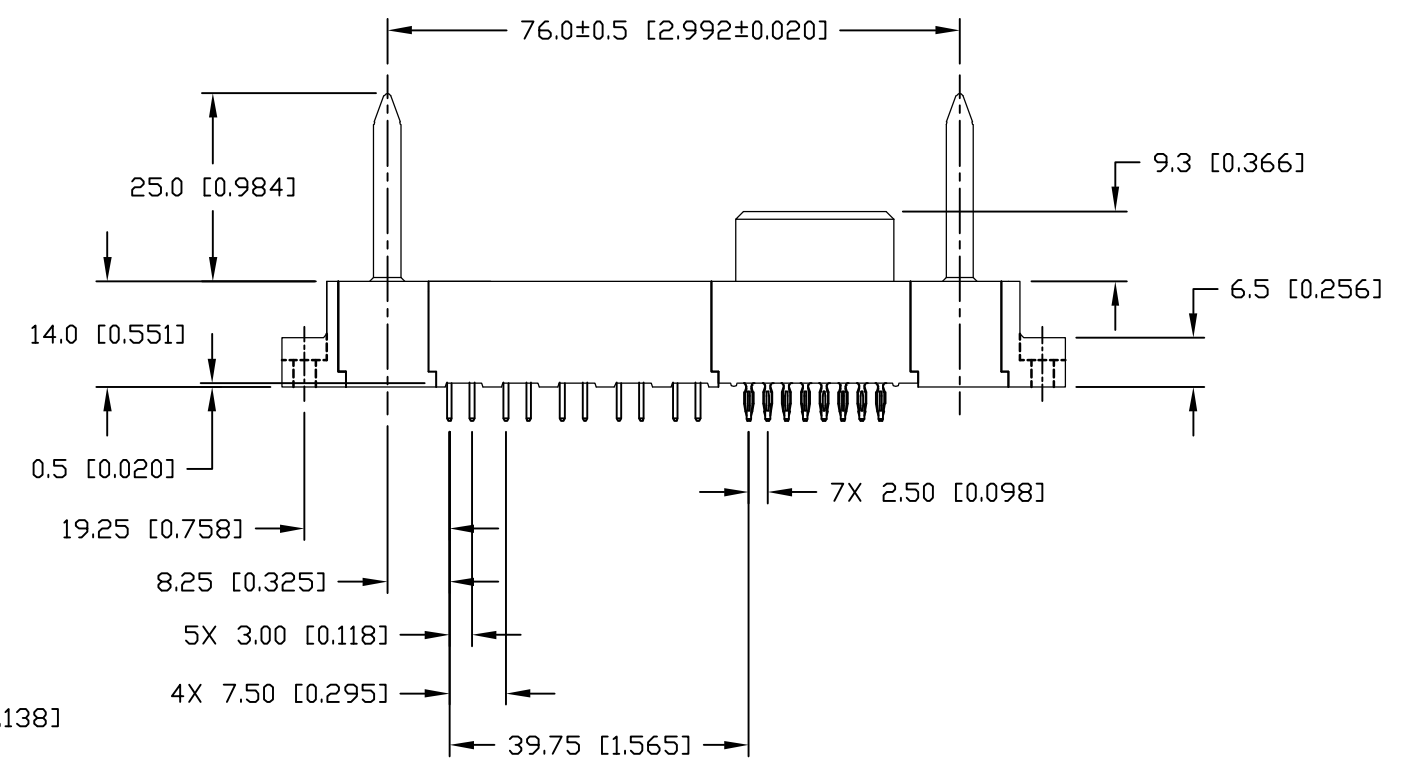
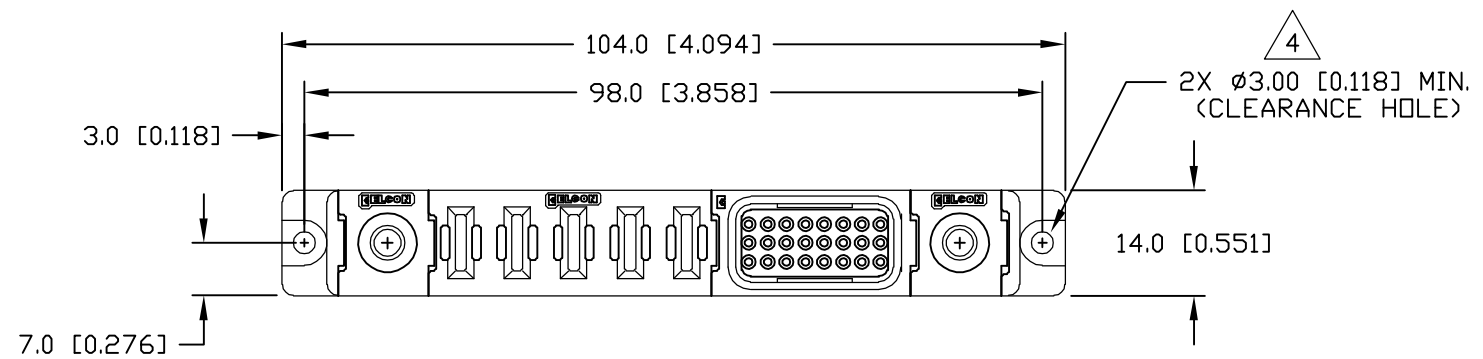
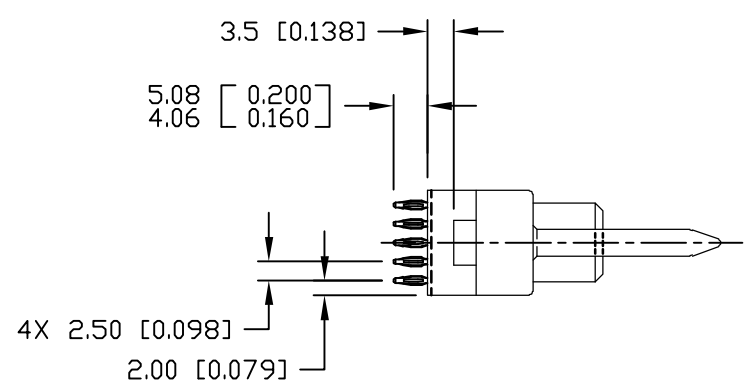


| TYCO PART NUMBER |
|------------------|
| 6646346-1        |

|                                                                                                                                                                                                                                                                                |                     |                 |                                                                                                                                    |                           |  |                                                                     |           |           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--|---------------------------------------------------------------------|-----------|-----------|
| <div>MM OR MM [INCH]</div> <div>INCH</div> <div>THIRD ANGLE PROJECTION</div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</div> <div>TOLERANCES</div> <div>ANGLES ± .5°</div> <div>DECIMALS</div> <div>.XX ± .25 [0.010]</div> <div>.X ± .5 [0.020]</div> | DRAWN<br>R. F. A.   | DATE<br>1/31/06 | <div><div>tyco</div><div>Electronics</div></div> <div>Tyco Electronics Corporation<br/>Menlo Park, Ca 94025</div> <div>ELCON</div> |                           |  | TITLE<br><br>SOCKET CONNECTOR, FLATPAQ<br>STRAIGHT, COMPLIANT TAILS |           |           |
|                                                                                                                                                                                                                                                                                | CHECKED             |                 |                                                                                                                                    |                           |  |                                                                     |           |           |
|                                                                                                                                                                                                                                                                                | APPROVED            |                 |                                                                                                                                    |                           |  |                                                                     |           |           |
|                                                                                                                                                                                                                                                                                | APPROVED<br>D. CHAU | 2/1/06          | SIZE<br>B                                                                                                                          | DWG NUMBER<br>C = 6646346 |  |                                                                     | REV.<br>C |           |
|                                                                                                                                                                                                                                                                                | DCA APPROVED        |                 |                                                                                                                                    |                           |  |                                                                     |           |           |
| ACAD FILE NUMBER                                                                                                                                                                                                                                                               |                     |                 | C6646346C.DWG                                                                                                                      |                           |  | DWG SCALE 1=1                                                       |           | SH 1 OF 3 |

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| REVISIONS |     |             |      |
|-----------|-----|-------------|------|
| EC        | REV | DESCRIPTION | DATE |
|           |     | SEE SHEET 1 |      |

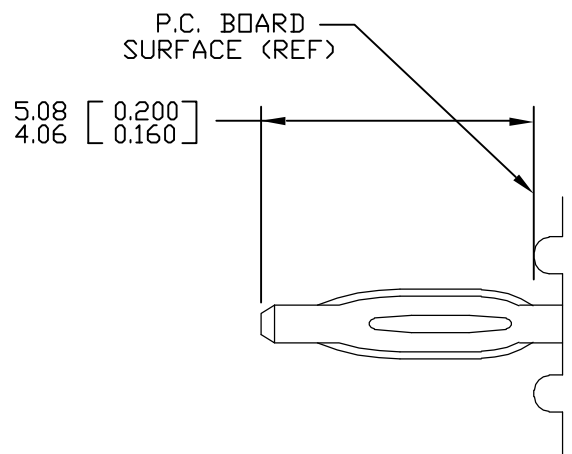


PRINTED CIRCUIT LAYOUT

|                                                                                                                                                                                                                                                                            |                     |                  |                                                                               |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|-------------------------------------------------------------------------------|---------------------------|
| <div>MM OR MM [INCH]</div> <div></div> <div>THIRD ANGLE PROJECTION</div> <div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN METRIC [INCHES]</div> <div>TOLERANCES</div> <div>ANGLES ± .5°</div> <div>DECIMALS</div> <div>.XX ± .25 [0.010]</div> <div>.X ± .5 [0.020]</div> | DRAWN<br>R. F. A.   | DATE<br>1/31/06  | <div> Tyco Electronics Corporation<br/>Menlo Park, Ca 94025</div> <div></div> |                           |
|                                                                                                                                                                                                                                                                            | CHECKED             |                  | TITLE                                                                         |                           |
|                                                                                                                                                                                                                                                                            | APPROVED            |                  | SOCKET CONNECTOR, FLATPAQ<br>STRAIGHT, COMPLIANT TAILS                        |                           |
|                                                                                                                                                                                                                                                                            | APPROVED<br>D. CHAU | 2/1/06           | SIZE<br>B                                                                     | DWG NUMBER<br>C = 6646346 |
|                                                                                                                                                                                                                                                                            | DCA APPROVED        |                  | REV.<br>C                                                                     |                           |
| ACAD FILE NUMBER<br>C6646346C.DWG                                                                                                                                                                                                                                          |                     | DWG SCALE<br>1=1 |                                                                               | SH 2 OF 3                 |

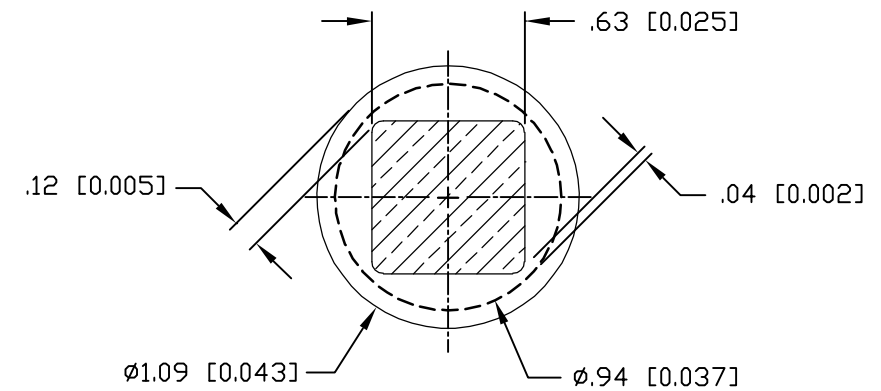
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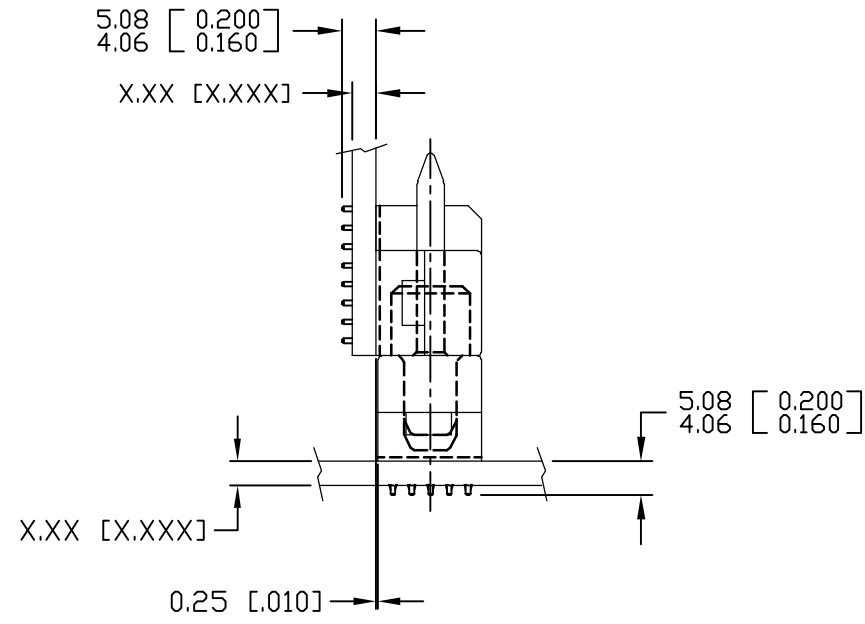
7. COMPLIANT PIN DETAIL  
INSERTION/EXTRACTION FORCES

MAXIMUM PUSH-IN: 133.3N PER PIN  
[30 LBS]  
MINIMUM PUSH-OUT: 44.4N PER PIN  
[10 LBS]

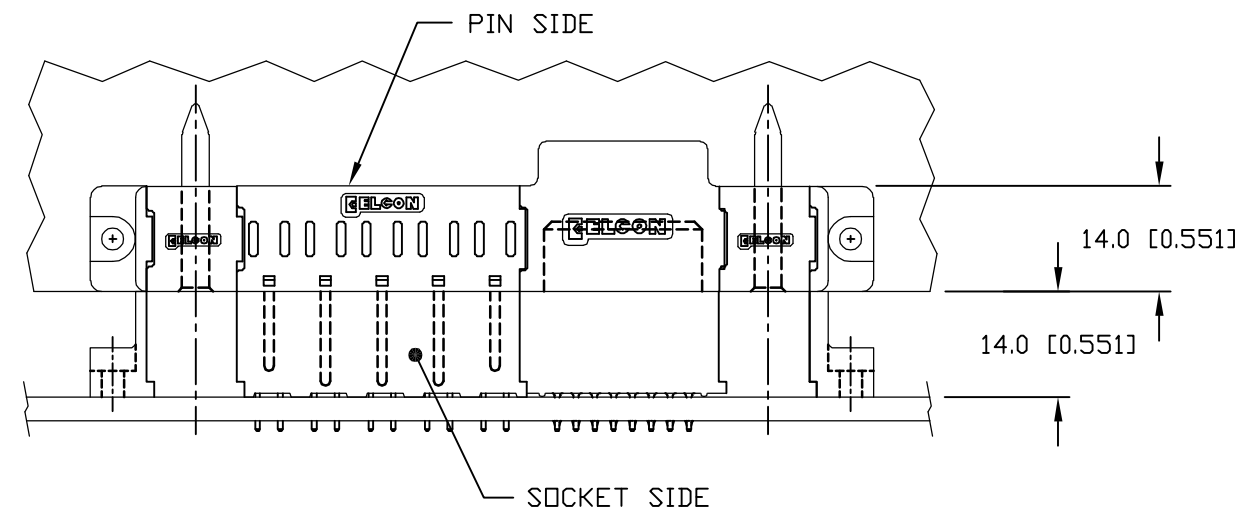


8. SOLDER TERMINATION AREA

RECOMMENDED PRINTED CIRCUIT HOLE  
DRILLED HOLE: Ø1.15 [0.0453] ±.013 [0.005]  
COPPER PLATE: .025-.050 [0.001-.002] MINIMUM (PER SURFACE)  
TIN PLATE: .0005 [0.00002] MINIMUM (PER SURFACE)



MATED CONDITION



|                                                                                                                                                                                                                                                                                                                     |                     |                 |                                                                                                                                                                  |               |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------|
| <div><div><div>MM<br/>INCH</div><div>OR MM [INCH]</div></div><div></div><div>THIRD ANGLE PROJECTION</div><div>UNLESS OTHERWISE<br/>SPECIFIED DIMENSIONS<br/>ARE IN METRIC [INCHES]</div><div>TOLERANCES</div><div>ANGLES ± .5°</div><div>DECIMALS</div><div>.XX ± .25 [0.010]</div><div>.X ± .5 [0.020]</div></div> | DRAWN<br>R. F. A.   | DATE<br>1/31/06 | <div><div><div><b>tyco</b></div><div><b>Electronics</b></div></div><div>Tyco Electronics Corporation<br/>Menlo Park, Ca 94025</div><div><b>ELCON</b></div></div> |               |           |
|                                                                                                                                                                                                                                                                                                                     | CHECKED             |                 | TITLE                                                                                                                                                            |               |           |
|                                                                                                                                                                                                                                                                                                                     | APPROVED            |                 | USER INFORMATION<br>COMPLIANT TAIL TERMINATION<br>AND MATED CONDITION                                                                                            |               |           |
|                                                                                                                                                                                                                                                                                                                     | APPROVED<br>D. CHAU | 2/1/06          |                                                                                                                                                                  |               |           |
|                                                                                                                                                                                                                                                                                                                     | DCA APPROVED        |                 |                                                                                                                                                                  |               |           |
|                                                                                                                                                                                                                                                                                                                     | ACAD FILE NUMBER    |                 | C6646346C.DWG                                                                                                                                                    | DWG SCALE 1=1 | SH 3 OF 3 |

# Mouser Electronics

Authorized Distributor

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