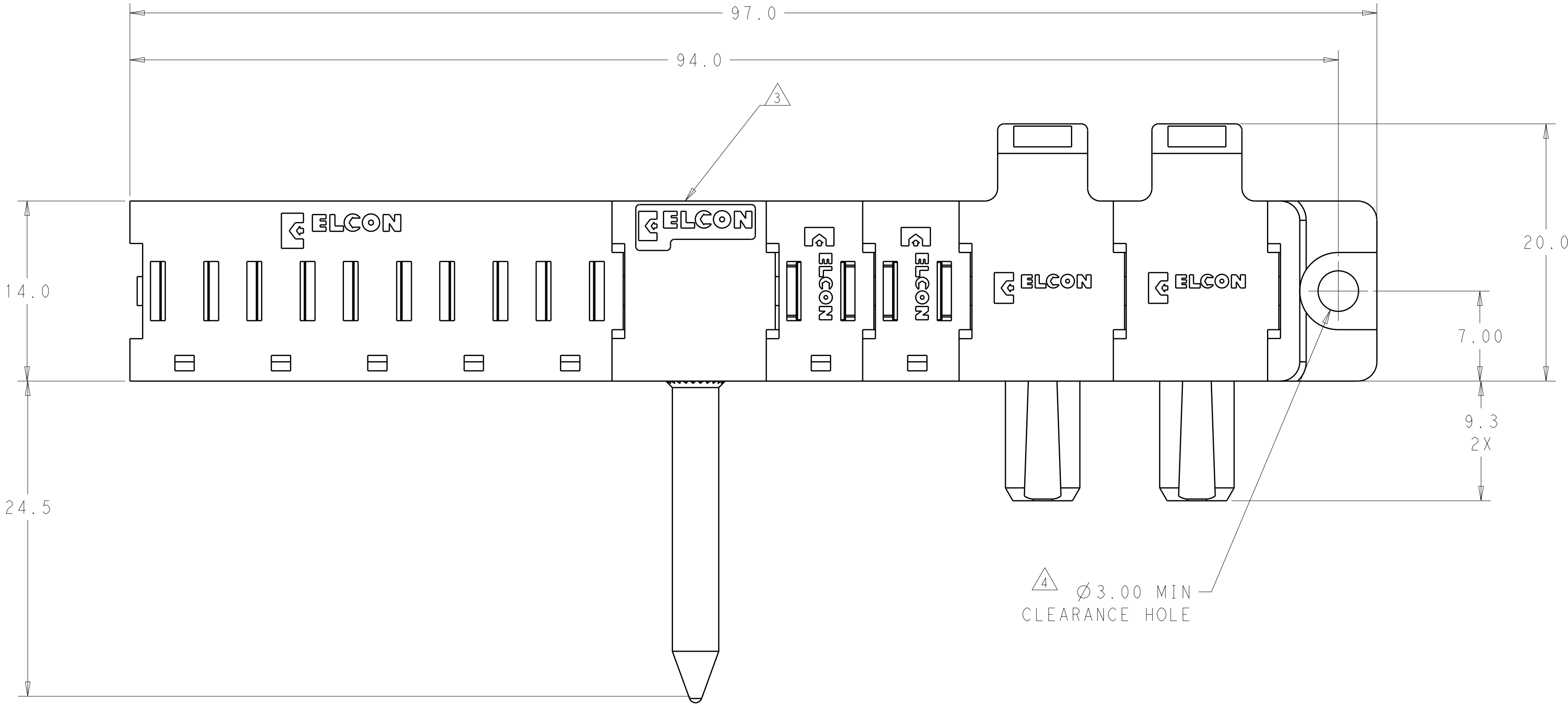
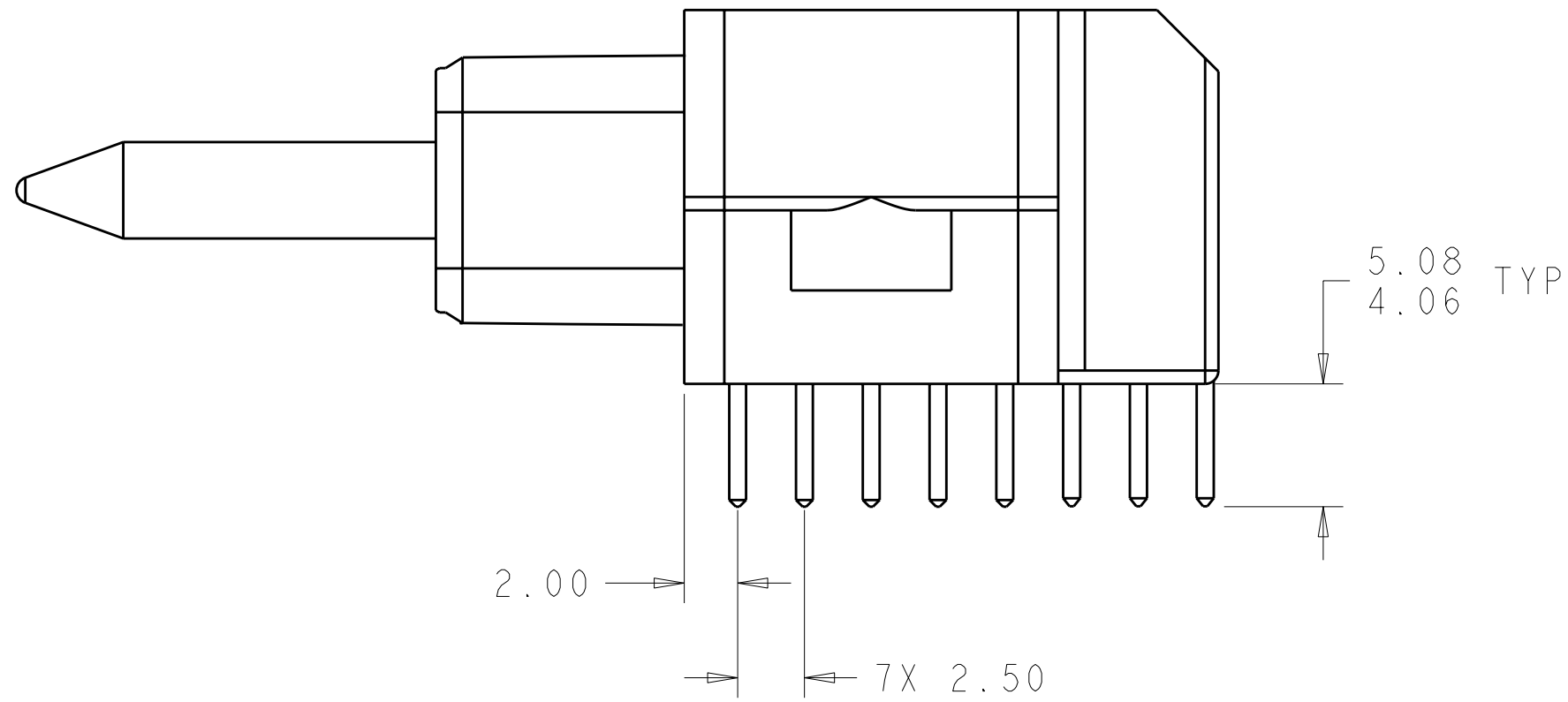
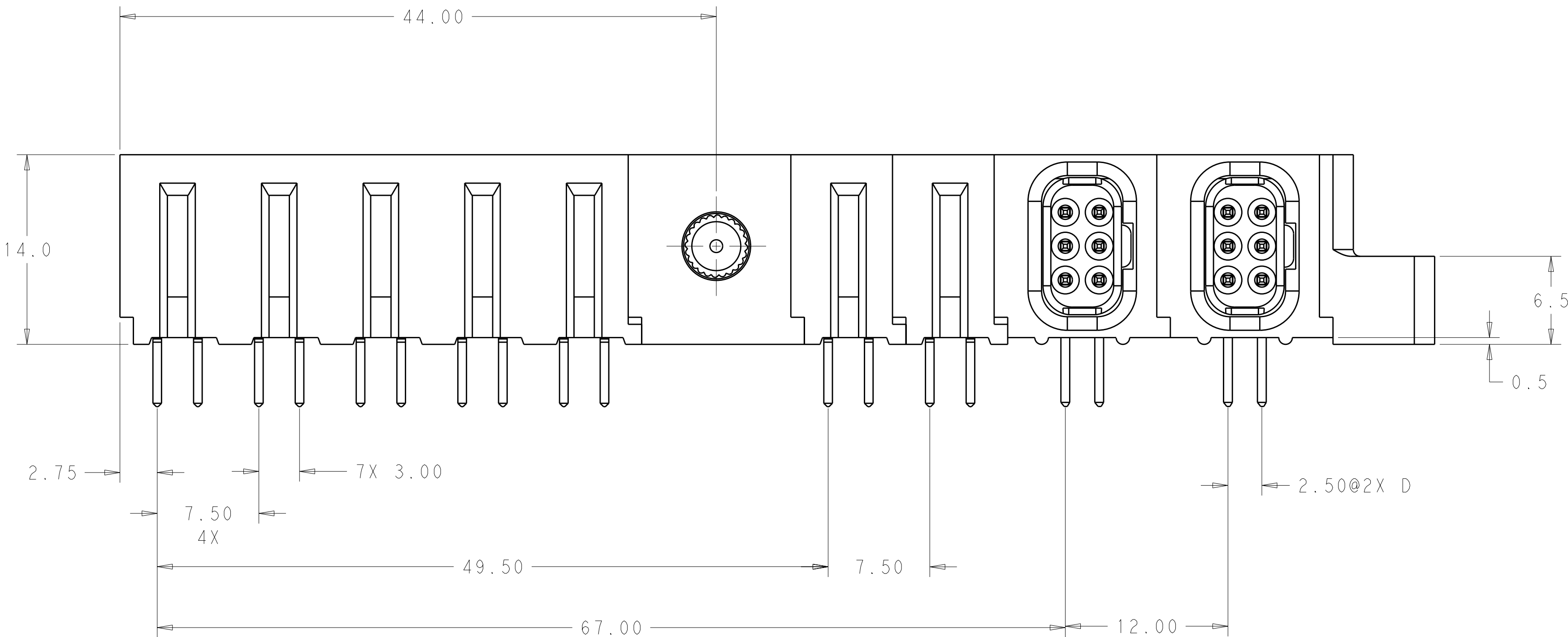


| LOC |  | DIST |  | REVISIONS |     |             |           |     |      |
|-----|--|------|--|-----------|-----|-------------|-----------|-----|------|
| GP  |  | 00   |  | P         | LTR | DESCRIPTION | DATE      | DWN | APVD |
|     |  |      |  |           | A   | RELEASED    | 17NOV2009 | RG  | MS   |
|     |  |      |  |           |     |             |           |     |      |
|     |  |      |  |           |     |             |           |     |      |



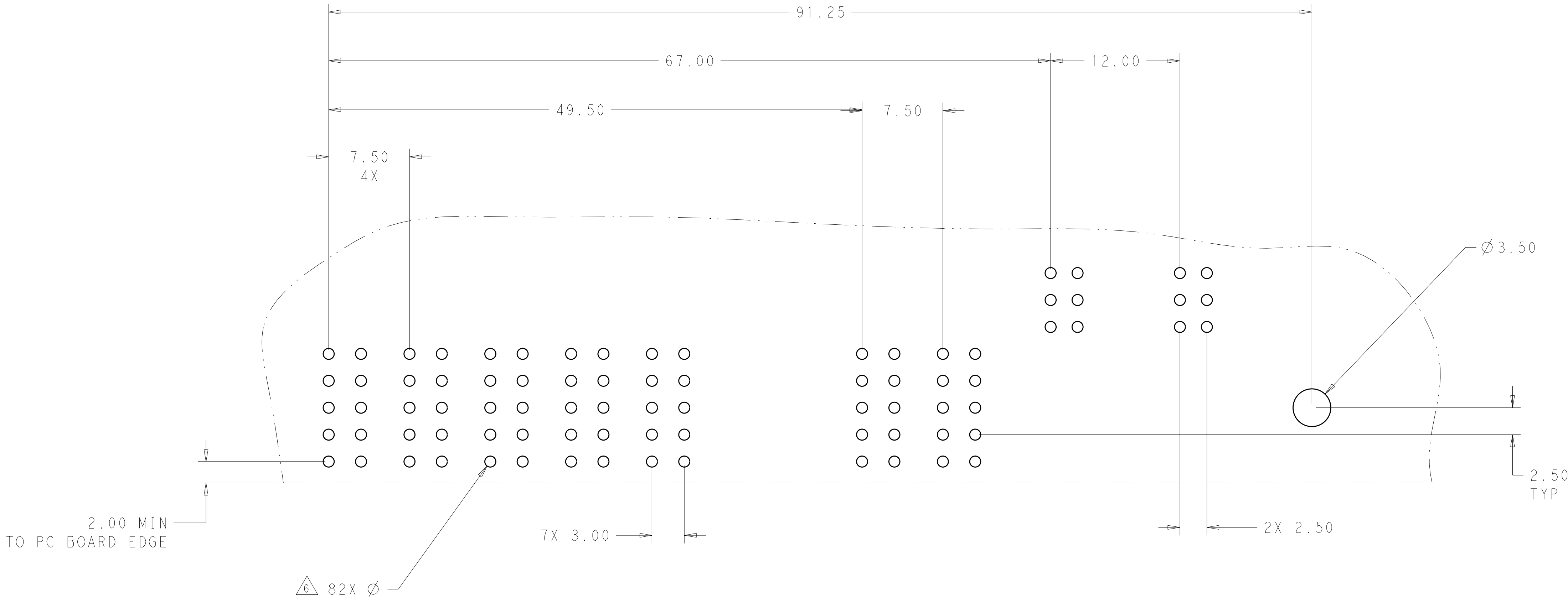
- 1 MATERIAL: INSULATORS - THERMOPLASTIC, GLASS REINFORCED, COLOR: BLACK  
UL94V-0 FLAMMABILITY RATED.  
SIGNAL CONTACTS: PHOSPHOR BRONZE ALLOY  
POWER CONTACTS - PHOSPHOR BRONZE ALLOY, COPPER ALLOY  
CROWN BANDS: BERYLLIUM COPPER ALLOY  
GUIDE PIN: BRASS ALLOY
- 2 FINISH: CONTACTS - GOLD PLATE 0.76µm MIN. THK. OVER  
NICKEL 1.27µm MIN. THK.  
SOLDER TAILS - TIN 5.08µm MIN. THK. OVER  
NICKEL 1.27µm MIN. THK.
- 3 ITEMS PROVIDED TO THIS SPECIFICATION TO BE PERMANENTLY IDENTIFIED PER THE FOLLOWING IDENTIFIER LABEL
- YEAR WEEK  
TYCO ELECTRONICS P/N DATE CODE (e.g. 0106)  
XXXXXXXX-X XXXX
- 4 MOUNTING FLANGES ACCEPT M3 OR NO. 4 SCREWS, (USER SUPPLIED)



|                  |  |                                        |  |
|------------------|--|----------------------------------------|--|
| AS SHOWN         |  | 6646802-1                              |  |
| DESCRIPTION      |  | PART NUMBER                            |  |
| DIMENSIONS:      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED: |  |
| mm               |  | 9 PLC ±.5                              |  |
|                  |  | 3 PLC ±0.5                             |  |
|                  |  | 5 PLC ±0.25                            |  |
|                  |  | 4 PLC ±.5                              |  |
|                  |  | ANGLES ±.5                             |  |
| MATERIAL         |  | FINISH                                 |  |
| 1                |  | 2                                      |  |
| CUSTOMER DRAWING |  | SCALE 4:1                              |  |
|                  |  | SHEET 1 OF 3                           |  |
|                  |  | REV A                                  |  |



| LOC |    | DIST |     | REVISIONS   |      |     |      |  |
|-----|----|------|-----|-------------|------|-----|------|--|
| GP  | 00 | F    | LYR | DESCRIPTION | DATE | DWN | APVD |  |
|     |    | -    | -   | SEE SHEET 1 | -    | -   | -    |  |
|     |    |      |     |             |      |     |      |  |
|     |    |      |     |             |      |     |      |  |
|     |    |      |     |             |      |     |      |  |



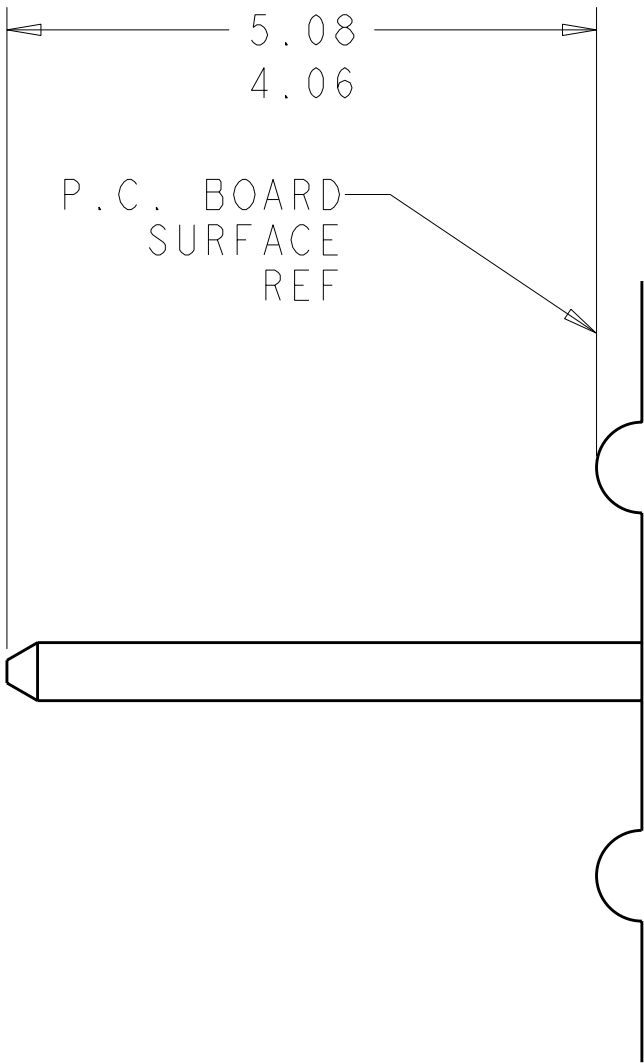
PRINTED CIRCUIT LAYOUT  
COMPONENT SIDE

| 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    | FP104               | 9   | 8                     | 9              | 1.25 X 7.00 | 35 amps                       | 7.50               | 250               |
|           | FP315               | 2   | 22                    | 12             | .64 SQ      | 3 amps                        | 2.50               | 125               |
|           | FP507               | 1   | GUIDE PIN, PASSIVE    |                |             |                               |                    |                   |
|           | FP501               | 1   | RIGHT MOUNTING FLANGE |                |             |                               |                    |                   |

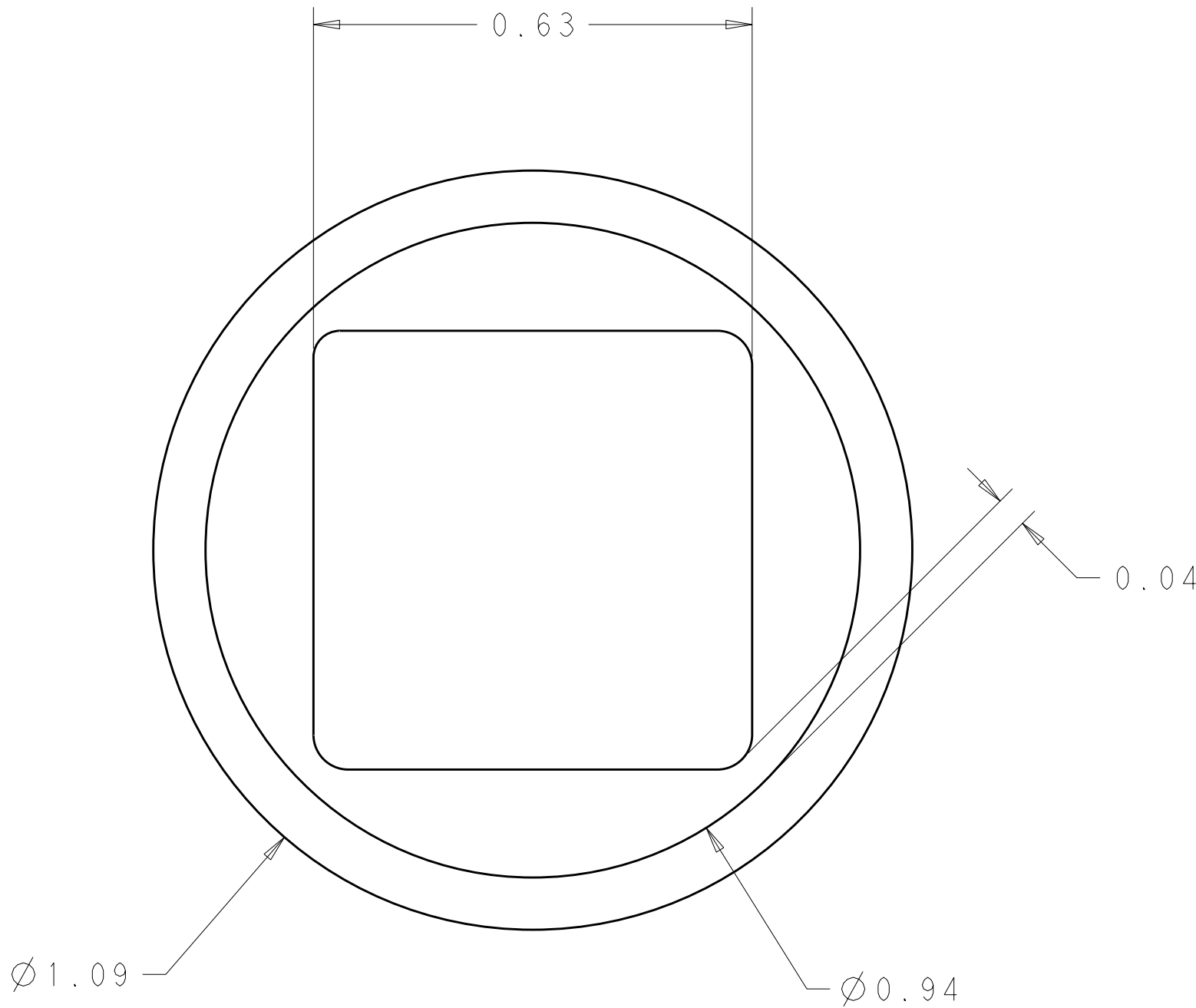
|             |  |                                                                               |  |                                   |  |                                               |  |
|-------------|--|-------------------------------------------------------------------------------|--|-----------------------------------|--|-----------------------------------------------|--|
| DIMENSIONS: |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                     |  | DWN<br>R. GRZYBOWSKI<br>17NOV2009 |  | Tyco Electronics<br>Harrisburg, PA 17105-3608 |  |
| mm          |  | 9 PLG ±.5<br>1 PLG ±0.5<br>5 PLG ±0.25<br>4 PLG ±.5<br>ANGLES ±.5<br>FINISH - |  | CHK<br>M. SYKES<br>17NOV2009      |  | NAME                                          |  |
| MATERIAL    |  | FINISH                                                                        |  | APVD<br>M. PERCHERKE<br>17NOV2009 |  | PRODUCT SPEC                                  |  |
| -           |  | -                                                                             |  | APPLICATION SPEC                  |  | SIZE CAGE CODE DRAWING NO                     |  |
| -           |  | -                                                                             |  | WEIGHT                            |  | A100779C=6646802                              |  |
| -           |  | -                                                                             |  | CUSTOMER DRAWING                  |  | RESTRICTED TO                                 |  |
| -           |  | -                                                                             |  | SCALE 4:1                         |  | SHEET 2 OF 3                                  |  |
| -           |  | -                                                                             |  | REV A                             |  |                                               |  |



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



5. SOLDER TAIL DETAIL  
SCALE 10 : 1



6. SOLDER TERMINATION AREA

SCALE 40:1  
RECOMMENDED PRINTED CIRCUIT HOLE  
SOLDER HOLE  
FINISHED HOLE: Ø1.02 ±.08  
DRILLED HOLE: Ø1.15 ±.013  
COPPER PLATE: .025 MIN  
TIN PLATE: .008 MIN. (PER SURFACE)

|                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                   |                                               |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------|-----------------------------------------------|---------|
| THIS DRAWING IS UNPUBLISHED. IT IS THE PROPERTY OF TYCO ELECTRONICS CORPORATION. IT IS TO BE KEPT IN CONFIDENTIALITY AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT PERMISSION IN WRITING FROM TYCO ELECTRONICS CORPORATION, ALL RIGHTS ARE RESERVED. |  | DWN<br>R. GRZYBOWSKI<br>17NOV2009 | Tyco Electronics<br>Harrisburg, PA 17105-3608 |         |
| DIMENSIONS:<br>mm                                                                                                                                                                                                                                                                                                                                                                                    |  | CHK<br>M. SYKES<br>17NOV2009      | NAME                                          |         |
| TOLERANCES UNLESS OTHERWISE SPECIFIED:<br>9 PLC ±.5<br>3 PLC ±0.25<br>5 PLC ±.5<br>4 PLC ±.5<br>ANGLES ±.5<br>FINISH                                                                                                                                                                                                                                                                                 |  | APVD<br>M. PERCHERKE<br>17NOV2009 | PRODUCT SPEC                                  |         |
| MATERIAL<br>-                                                                                                                                                                                                                                                                                                                                                                                        |  | APPLICATION SPEC                  | SIZE<br>A100779                               |         |
| CUSTOMER DRAWING                                                                                                                                                                                                                                                                                                                                                                                     |  | WEIGHT<br>-                       | CAGE CODE<br>C=6646802                        |         |
| SCALE<br>4:1                                                                                                                                                                                                                                                                                                                                                                                         |  | SHEET<br>3                        |                                               | OF<br>3 |
| REV<br>A                                                                                                                                                                                                                                                                                                                                                                                             |  |                                   |                                               |         |