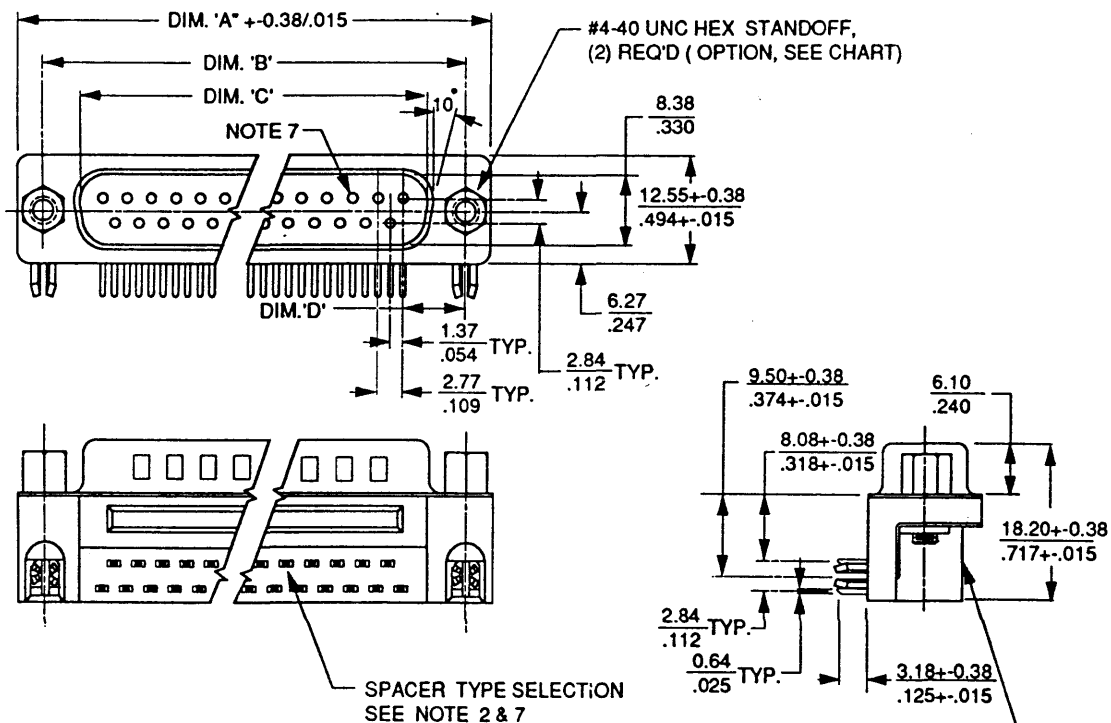


| PRODUCT NO                | NO. OF POS. | DIM. 'A'    | DIM. 'B'    | DIM. 'C'    | DIM. 'D' |
|---------------------------|-------------|-------------|-------------|-------------|----------|
| 93887 -XXXX09             | 9           | 30.84/1.214 | 24.99/984   | 16.92/666   | 6.96/274 |
| ▲ -XXXX15                 | 15          | 39.24/1.545 | 33.32/1.312 | 25.25/994   | 6.96/274 |
| ▼ -XXXX25                 | 25          | 53.04/2.088 | 47.04/1.852 | 38.96/1.534 | 6.91/272 |
| 93887 -XXXX37<br>(NOTE 2) | 37          | 69.34/2.730 | 63.50/2.500 | 55.42/2.182 | 6.83/269 |



| mat'l code<br>SEE NOTE 1 |          |    |         | tolerances unless<br>otherwise specified |                        | CUSTOMER<br>COPY |            | BERG<br>ELECTRONICS     |                |
|--------------------------|----------|----|---------|------------------------------------------|------------------------|------------------|------------|-------------------------|----------------|
| tr                       | ech. no  | dr | date    | linear                                   | 0.0+0.38 / .00+-.015   | projection       | mm<br>inch | title                   | code           |
| A                        | T30253   | JL | 8/25/93 |                                          | 0.00+0.25 / .000+-.010 |                  |            |                         |                |
| B                        | T30297   | JL | 9/23/93 | angles                                   | ±0°30'                 | mm<br>inch       | scale      | product family<br>D-SUB | size<br>dwg no |
| C                        | T30337   | JL | 11/2/93 |                                          |                        |                  |            |                         |                |
|                          |          |    |         | dr                                       | J. LIN                 | 9/23/93          |            | A3                      | 93887          |
|                          |          |    |         | engr                                     | J. LIN                 | 9/23/93          |            |                         |                |
|                          |          |    |         | chr                                      | J. LIN                 | 9/23/93          |            | sheet<br>1 of 4         |                |
|                          |          |    |         | appd                                     | G.M. CHANG             | 9/23/93          |            |                         |                |
| sheet                    | revision | C  | C       | C                                        | C                      | C                |            |                         |                |
| index                    | sheet    | 1  | 2       | 3                                        | 4                      |                  |            |                         |                |

product no  
SEE CHART

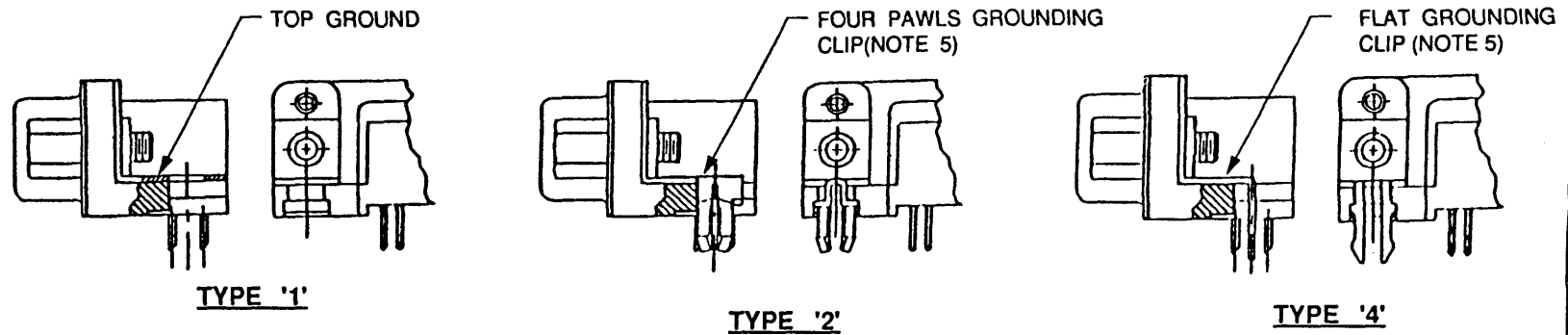


FIGURE 1. OPTIONS FOR GROUNDING CLIP

| mat'l code<br>SEE NOTE 1 |          |    |      | tolerances unless<br>otherwise specified     |            | CUSTOMER<br>COPY | <b>BERG</b><br>ELECTRONICS<br>title<br>D-SUB, R/A, MALE,<br>.318" FOOT PRINT |        |
|--------------------------|----------|----|------|----------------------------------------------|------------|------------------|------------------------------------------------------------------------------|--------|
| itr                      | ech no   | dr | date | linear                                       | projection |                  |                                                                              |        |
| C                        |          |    |      | 0.0±0.38 / .00±.015<br>0.00±0.25 / .000±.010 |            |                  | product family                                                               | D-SUB  |
|                          |          |    |      | angles                                       | ±0°30'     |                  | code                                                                         | TWN    |
|                          |          |    |      | dr                                           | J. LIN     | 9/23/93          | size                                                                         | dwg no |
|                          |          |    |      | engr                                         | J. LIN     | 9/23/93          | A3                                                                           | 93887  |
|                          |          |    |      | chr                                          | J. LIN     | 9/23/93          | scale                                                                        | N/A    |
|                          |          |    |      | appd                                         | C M CHANG  | 9/23/93          | sheet                                                                        | 2 of   |
| sheet                    | revision |    |      |                                              |            |                  |                                                                              |        |
| index                    | sheet    | 1  |      |                                              |            |                  |                                                                              |        |

product no  
SEE CHART

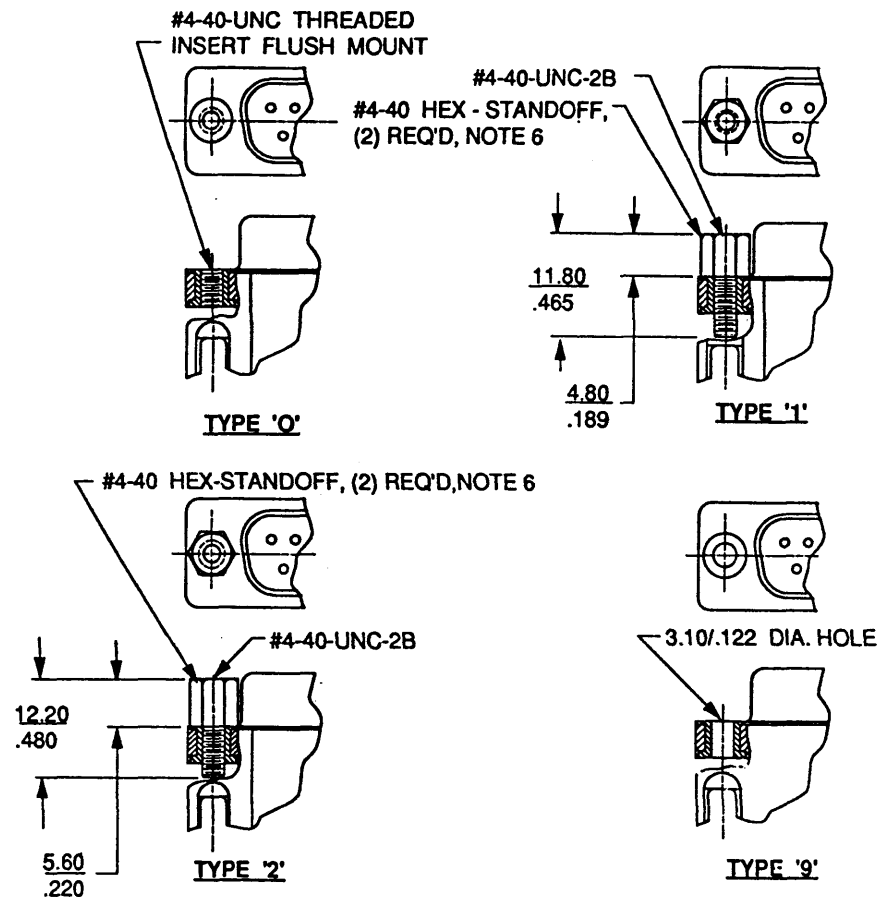


FIGURE 2. OPTIONS FOR HEX-NUT STANDOFF

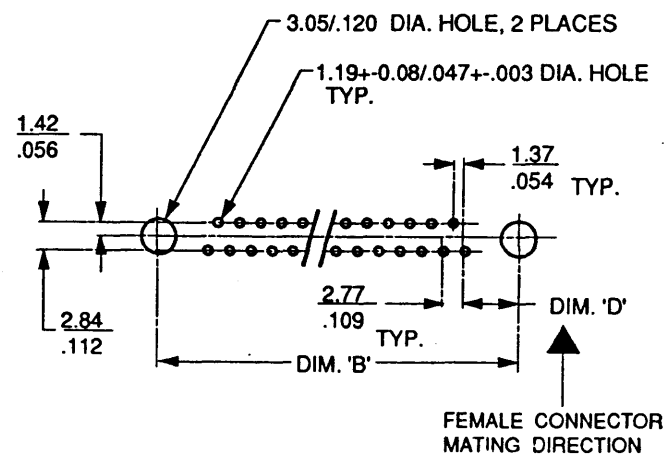


FIGURE 3. RECOMMENDED PCB MOUNTING LAYOUT

| mar'l code<br>SEE NOTE 1 |          |    |      | tolerances unless<br>otherwise specified |                                              | CUSTOMER<br>COPY |                                       |
|--------------------------|----------|----|------|------------------------------------------|----------------------------------------------|------------------|---------------------------------------|
| tr                       | ecn no   | dr | date | linear                                   | 0.0-0.38 / .00-.015<br>0.00-0.25 / .000-.010 | projection       | title                                 |
| C                        |          |    |      | angles                                   | ±0°30'                                       | mm<br>inch       | D-SUB, R/A, MALE,<br>.318" FOOT PRINT |
|                          |          |    |      | dr                                       | J. LIN 9/23/93                               | mm               | product family D-SUB                  |
|                          |          |    |      | enfr                                     | J. LIN 9/23/93                               | inch             | size dwg no                           |
|                          |          |    |      | chr                                      | J. LIN 9/23/93                               | scale            | A3                                    |
|                          |          |    |      | appd                                     | C M CHANG 9/23/93                            | N/A              | 93887                                 |
| sheet                    | revision |    |      |                                          |                                              |                  | code                                  |
| index                    | sheet    | 1  |      |                                          |                                              |                  | TWN                                   |
|                          |          |    |      |                                          |                                              |                  | sheet                                 |
|                          |          |    |      |                                          |                                              |                  | 3 of                                  |

product no  
SEE CHART

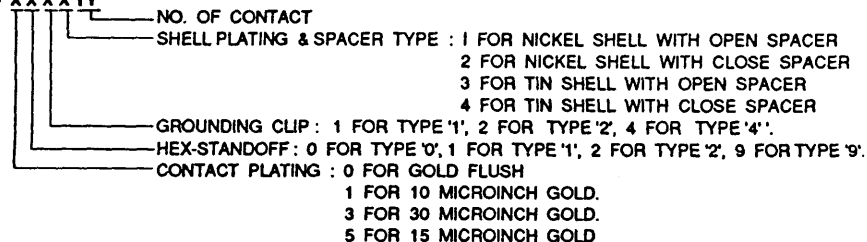
NOTES :

1. MATERIAL :

- a. HOUSING : GF POLYESTER, FLAME RETARDANT PER UL 94V-0, COLOR : BLACK.
- b. SHELL : STEEL STRIP WITH NICKEL OR TIN PLATING, THE SELECTION SEE NOTE 2.
- c. CONTACTS : BRASS WITH GOLD PLATING ON THE CONTACT AREA AND TIN PLATING ON THE SOLDER TAIL. THE SELECTION SEE NOTE 2.

2. THE PART NUMBERS ARE ASSIGNED AS FOLLOWS :

93887 - XXXXXYY



- 3. RECOMMENDED PCB MOUNTING LAYOUT SHOWN IN FIGURE 3.
- 4. THE OPTIONS FOR GROUND CLIP PER FIGURE 1, AND FOR HEX-STANDOFF PER FIGURE 2.
- 5. GROUNDING CLIP : TYPE '2' AND '4' ARE FOR 3.05/.120 DIA. PCB HOLE.
- 6. BOTH HEX-STANDOFF SHALL BE FASTERNED WITH D-SUB TOGETHER.
- 7. THERE ARE TWO TYPE OF SPACER, ONE IS THE OPEN(STANDARD) TYPE, THE OTHER IS THE CLOSE TYPE; THE SELECTION SEE NOTE 2.

|                          |          |       |      |                                          |                                            |                  |                                                |                            |  |  |
|--------------------------|----------|-------|------|------------------------------------------|--------------------------------------------|------------------|------------------------------------------------|----------------------------|--|--|
| mat'l code<br>SEE NOTE 1 |          |       |      | tolerances unless<br>otherwise specified |                                            | CUSTOMER<br>COPY |                                                | <b>BERG</b><br>ELECTRONICS |  |  |
| ltr                      | ecn no   | dr    | date | linear                                   | 0.0-0.38 / .00-015<br>0.00-0.25 / .000-010 | projection       | title<br>D-SUB, R/A, MALE,<br>.318" FOOT PRINT |                            |  |  |
| C                        |          |       |      | angles                                   | +0°30'                                     |                  |                                                |                            |  |  |
|                          |          |       |      | dr                                       | J. LIN 9/23/93                             | mm               | product family D-SUB                           |                            |  |  |
|                          |          |       |      | engr                                     | J. LIN 9/23/93                             | inch             | code TWN                                       |                            |  |  |
|                          |          |       |      | chr                                      | J. LIN 9/23/93                             | scale            | size dwg no                                    |                            |  |  |
|                          |          |       |      | appd                                     | C M CHANG 9/23/93                          | N/A              | A3 93887                                       |                            |  |  |
| sheet                    | revision | sheet | 1    | sheet 4 of                               |                                            |                  |                                                |                            |  |  |