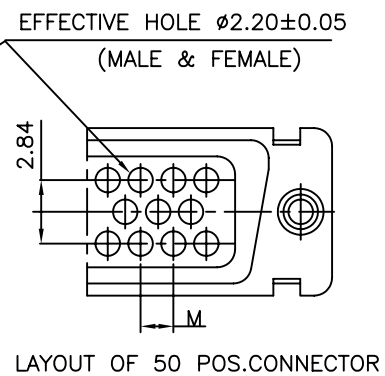
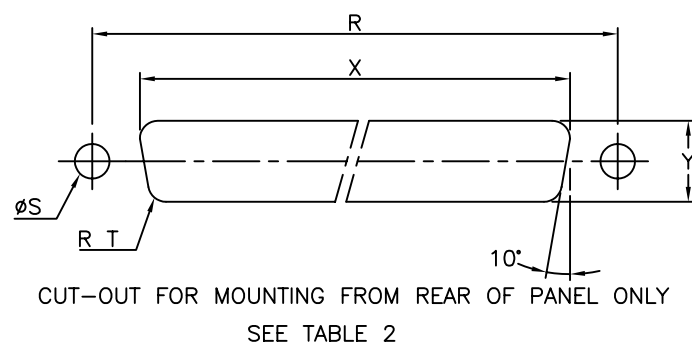
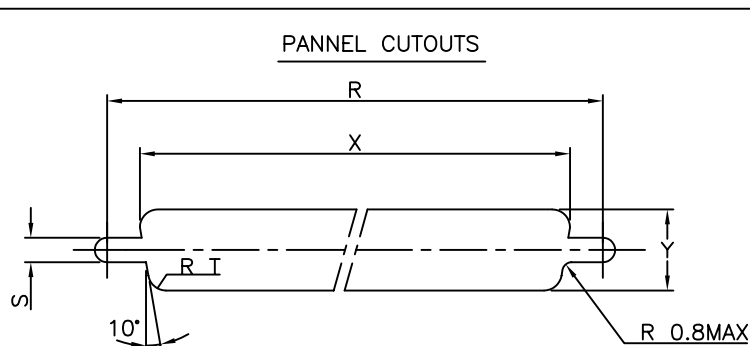
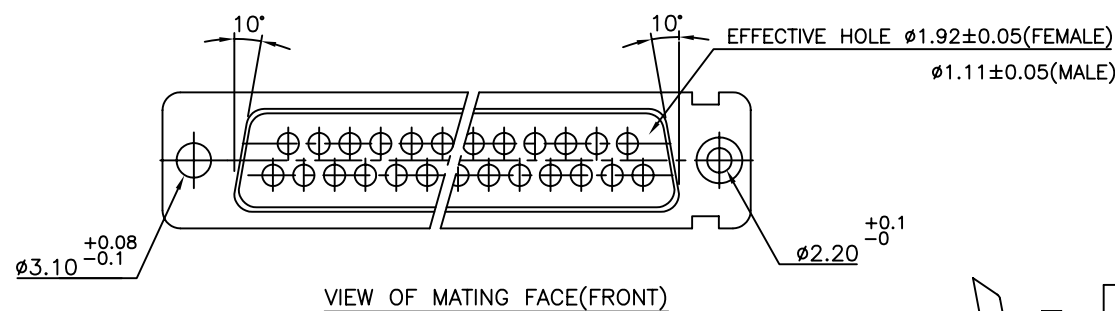
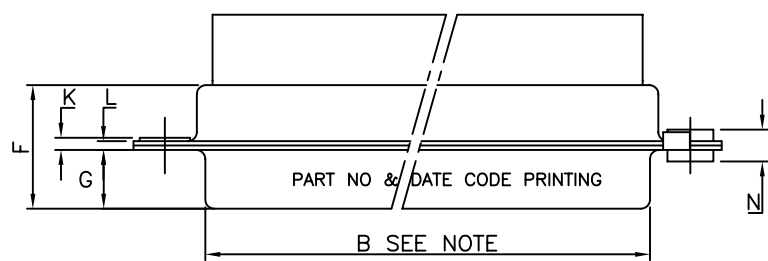
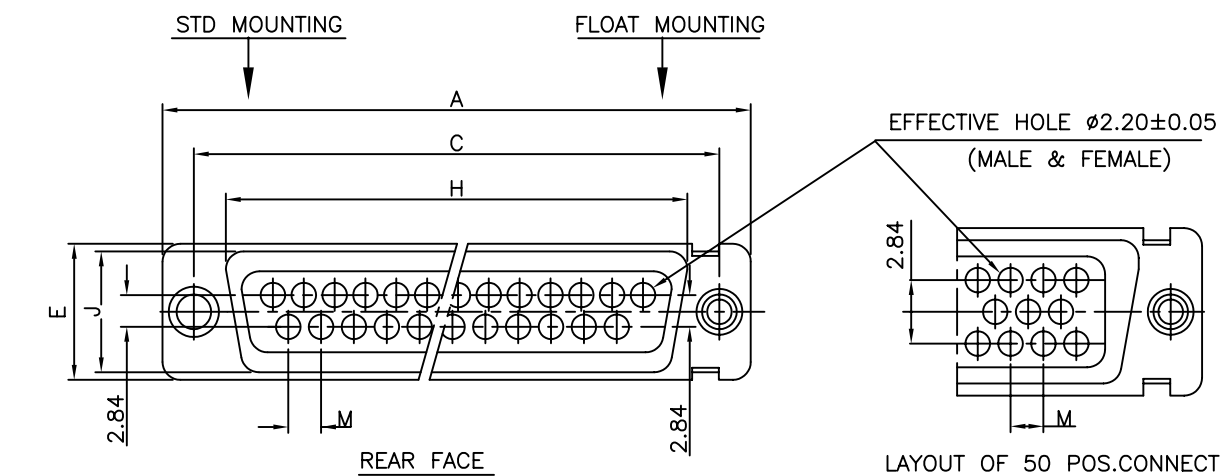


"This LF product meets European Union Directives and other country regulations as described in GS-22-008"

Packaging as per GS-14-920

TABLE 2

| SHELL SIZE | TYPE OF MOUNTING | MOUNTING POSITIONS | DIMENSIONS |       |       |        |       |         |
|------------|------------------|--------------------|------------|-------|-------|--------|-------|---------|
|            |                  |                    | FRONT      | REAR  | WIDTH | HEIGHT | DEPTH | SPACING |
| 50         | STD              | FRONT              | 58.30      | 56.30 | 15.80 | 61.11  | 3.20  | 2.10    |
|            | FLOAT            | FRONT              | 59.20      | 57.20 | 16.60 | 61.11  | 2.20  | 2.10    |
| 37         | STD              | FRONT              | 60.70      | 59.10 | 13.00 | 63.50  | 3.20  | 2.10    |
|            | FLOAT            | FRONT              | 61.50      | 59.80 | 13.80 | 63.50  | 2.20  | 2.10    |
| 25         | STD              | FRONT              | 44.30      | 42.50 | 13.00 | 47.04  | 3.20  | 2.10    |
|            | FLOAT            | FRONT              | 45.10      | 43.30 | 13.80 | 47.04  | 2.20  | 2.10    |
| 15         | STD              | FRONT              | 30.50      | 28.80 | 13.00 | 33.32  | 3.20  | 2.10    |
|            | FLOAT            | FRONT              | 31.30      | 29.60 | 13.80 | 33.32  | 2.20  | 2.10    |
| 09         | STD              | FRONT              | 22.20      | 20.50 | 13.00 | 24.99  | 3.20  | 2.10    |
|            | FLOAT            | FRONT              | 23.00      | 21.30 | 13.80 | 24.99  | 2.20  | 2.10    |
| SHELL SIZE |                  |                    | X±0.1      | Y±0.1 | R±0.1 | S±0.1  | T±0.1 |         |

|            |   |       |       |       |       |       |       |      |       |       |        |     |        |      |       |
|------------|---|-------|-------|-------|-------|-------|-------|------|-------|-------|--------|-----|--------|------|-------|
| 50         | P | 66.65 | 52.68 | 61.11 | 11.08 | 14.99 | 11.09 | 5.85 | 55.07 | 13.31 | 1.50   | 1.0 | 2.76   | 3.05 | 17.35 |
|            | S | 66.65 | 52.30 | 61.11 | 10.62 | 14.99 | 11.21 | 6.05 | 55.07 | 13.31 | 1.10   | 0.8 | 2.76   | 2.85 | 17.44 |
| 37         | P | 68.94 | 55.30 | 63.50 | 8.23  | 12.17 | 11.09 | 5.85 | 57.45 | 10.46 | 1.50   | 1.0 | 2.76   | 3.05 | 17.35 |
|            | S | 68.94 | 54.71 | 63.50 | 7.77  | 12.17 | 11.21 | 6.05 | 57.45 | 10.46 | 1.10   | 0.8 | 2.76   | 2.85 | 17.44 |
| 25         | P | 52.65 | 38.84 | 47.04 | 8.23  | 12.17 | 11.07 | 5.85 | 41.02 | 10.46 | 1.10   | 0.8 | 2.76   | 2.85 | 17.35 |
|            | S | 52.65 | 38.25 | 47.04 | 7.77  | 12.17 | 11.21 | 6.05 | 41.02 | 10.46 | 1.10   | 0.8 | 2.76   | 2.85 | 17.44 |
| 15         | P | 38.76 | 25.12 | 33.32 | 8.23  | 12.17 | 10.99 | 5.85 | 27.25 | 10.46 | 1.10   | 0.8 | 2.74   | 2.85 | 17.35 |
|            | S | 38.76 | 24.54 | 33.32 | 7.77  | 12.17 | 11.21 | 6.05 | 27.25 | 10.46 | 1.10   | 0.8 | 2.74   | 2.85 | 17.44 |
| 09         | P | 30.43 | 16.79 | 24.99 | 8.23  | 12.17 | 10.99 | 5.85 | 19.02 | 10.46 | 1.10   | 0.8 | 2.74   | 2.85 | 17.35 |
|            | S | 30.43 | 16.21 | 24.99 | 7.77  | 12.17 | 11.21 | 6.05 | 19.02 | 10.46 | 1.10   | 0.8 | 2.74   | 2.85 | 17.44 |
| SHELL SIZE |   | A-0   | B-0   | C-0   | D-0   | E-0   | F MAX | G-0  | H-0   | J-0   | K±0.20 | L-0 | M±0.06 | NMAX | P MAX |

NOTE:-INSIDE DIM. OF MALE AND OUTSIDE DIM. OF THE FEMALE CONNECTOR.

#### ORDERING INFORMATION

|                              |   |    |   |   |   |   |   |     |    |                                      |
|------------------------------|---|----|---|---|---|---|---|-----|----|--------------------------------------|
| 8656                         | O | 25 | P | L | X | T | X | XXX | LF | LEAD FREE                            |
| SERIES                       |   |    |   |   |   |   |   |     |    | SPECIAL CODES                        |
| OPTIONS-1                    |   |    |   |   |   |   |   |     |    | DIMPLES                              |
| BLANK-STANDARD MOUNTING      |   |    |   |   |   |   |   |     |    | X-ON MALE CONNECTORS ONLY            |
| O-CLINCH NUT (UNC)           |   |    |   |   |   |   |   |     |    | SHELL PLATING                        |
| L-CLINCH NUT (M3)            |   |    |   |   |   |   |   |     |    | BLANK-ZINC PLTG.                     |
| V-FEM. SCREW LOCK HEX. (UNC) |   |    |   |   |   |   |   |     |    | T-STD. TIN/Zinc Cr3 PLTG.            |
| F-FLOAT MOUNTING             |   |    |   |   |   |   |   |     |    | OPTIONS-2                            |
| K-LATCH BRACKET              |   |    |   |   |   |   |   |     |    | BLANK-STD. W/O ACCESSORIES           |
| NO.OF CONTACTS               |   |    |   |   |   |   |   |     |    | OPTIONAL                             |
| 09,15,25,37,50               |   |    |   |   |   |   |   |     |    | L-SUPPLIED W/O CONTACTS (OBLIGATORY) |
| CONTACTS                     |   |    |   |   |   |   |   |     |    |                                      |
| P - PIN                      |   |    |   |   |   |   |   |     |    |                                      |
| S - SOCKET                   |   |    |   |   |   |   |   |     |    |                                      |

#### TECHNICAL SPECIFICATIONS

|                                                       |                                                       |
|-------------------------------------------------------|-------------------------------------------------------|
| SHELLS                                                | : TIN/CADMIUM/ZINC PLATED STEEL                       |
| INSULATOR MATERIAL                                    | : SELF EXTINGUISHING THERMOPLASTIC- TO UL CLASS 94 V0 |
| THE HOUSING WILL WITHSTAND EXPOSURE TO 260-265°C      |                                                       |
| IF WE USE PROTECTIVE ADHESIVE (type Kapton or Teflon) |                                                       |
| OR PROTECTIVE METALLIC DEVICE                         |                                                       |
| CONTACTS DIA ON ACTIVE AREA                           | : Ø1 MM.                                              |
| CONTACTS MATERIAL                                     | : COPPER ALLOY                                        |
| CONTACT PLATING                                       | : GOLD / GXT OVER NICKEL (ACTIVE ZONE)                |
| FOR LEAD FREE PLATING                                 |                                                       |
| 2 µ MIN.MATTE TIN TOP OVER                            |                                                       |
| 1.27 µ MIN.NICKEL UNDER PLATE(ON TERMINATION ZONE)    |                                                       |
| OPERATING TEMPERATURE                                 | : -55°C TO +125°C                                     |
| OPERATING CURRENT                                     | : 5 A PER CONTACT                                     |
| CONTACT RESISTANCE                                    | : ≤10mΩ                                               |
| INSULATION RESISTANCE                                 | : >5000 MΩ IN AMBIENT CONDITIONS.                     |
| MAXIMUM VOLTAGE                                       | : 1000 V.r.m.s                                        |
| MECHANICAL ENDURANCE                                  | : 200 MATINGS (CODE 64)                               |
| DAMP HEAT                                             | : 21 DAYS                                             |
| WIRE SIZE                                             | : AWG 20/24 OR AWG 24/28                              |
| CONTACTS                                              | : CRIMP REMOVABLE                                     |
| MAX DIA OF WIRE                                       | : 1.52mm (AWG 20/24) 1.02mm (AWG 24/28)               |

|             |             |          |            |                                       |                  |            |                          |  |  |  |
|-------------|-------------|----------|------------|---------------------------------------|------------------|------------|--------------------------|--|--|--|
| mat'l. code |             |          |            | surface                               | tolerance        | projection | product family           |  |  |  |
|             |             |          |            | ISO 1302                              | ISO 406 ISO 1101 |            |                          |  |  |  |
| ltr         | ecn no      | dr       | date       | tolerances unless otherwise specified |                  |            | title                    |  |  |  |
| E           | I06-0074    | GVJ      | 2006/06/08 | angles                                | linear           |            | D-SUB CRIMP CONNECTOR    |  |  |  |
| F           | I11-0003    | AMR      | 2011-1-06  |                                       |                  |            |                          |  |  |  |
| F1.1        | -           | PK       | 2012/05/29 |                                       |                  |            |                          |  |  |  |
| G           | ELX-I-01185 | PK       | 2012/06/01 | dr                                    | Mini K Vandanath | 1999/03/20 | dwg no                   |  |  |  |
|             |             |          |            | engr                                  | George V Joseph  | 1999/03/20 | sheet 1 of 1             |  |  |  |
|             |             |          |            | chr                                   | Abhilash M R     | 2011-01-06 | size                     |  |  |  |
|             |             |          |            | appd                                  | Sudhir Varma     | 2011-01-06 | A3                       |  |  |  |
| sheet index |             | revision | G          |                                       |                  |            | type                     |  |  |  |
|             |             | sheet    | 1          |                                       |                  |            | Product Customer Drawing |  |  |  |