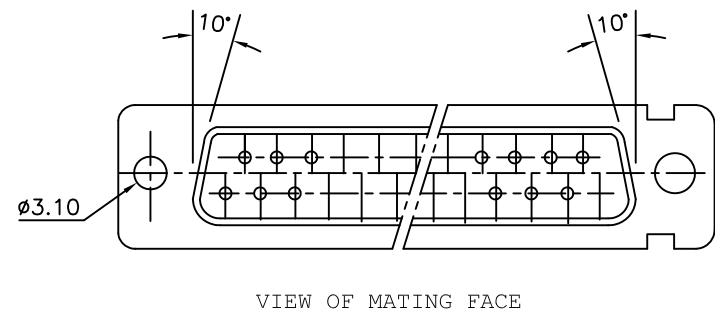
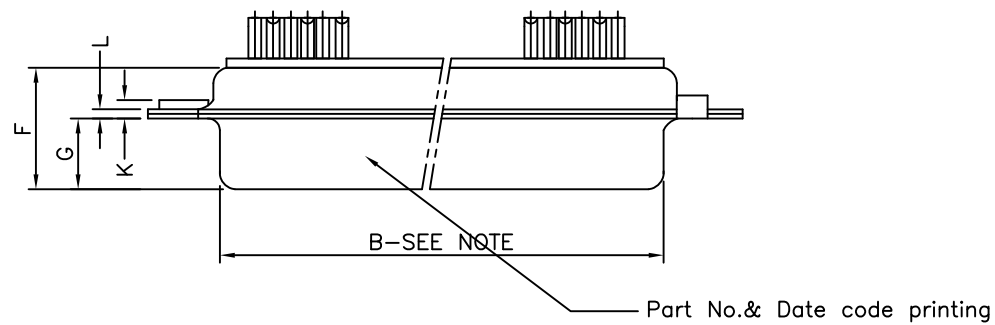
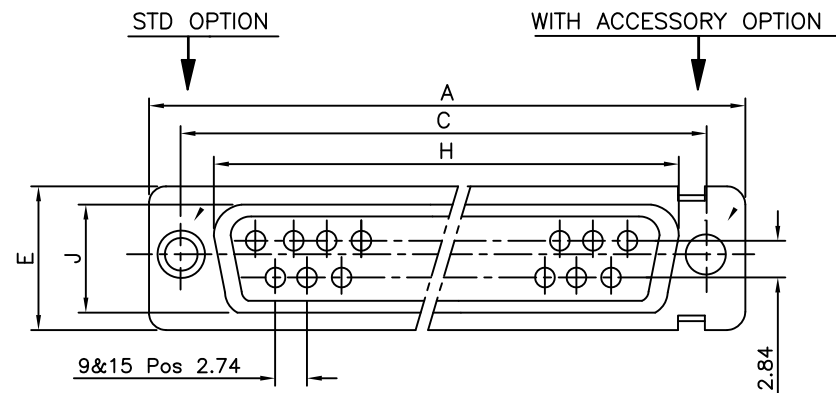




"This LF product meets European Union Directives and other country regulations as described in GS-22-008"

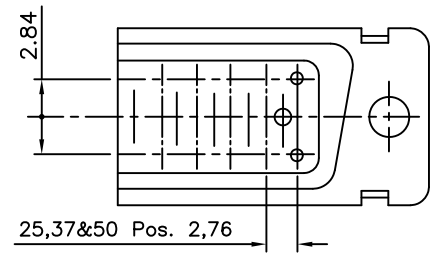
Packaging as per GS-14-920

Housing will withstand exposure to 260°C peak temp for 3.5sec

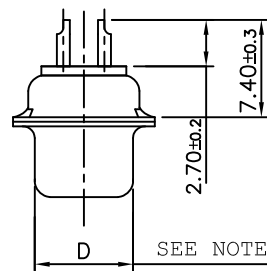
#### ORDERING INFORMATION

|                  |                                                                                                                       |                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| SERIES           | D B V 25 P 0 64 H T X B XXX LF                                                                                        | LEAD FREE                                                           |
| SHELL SIZE       | E,A,B,C,D                                                                                                             | SPECIAL CODES                                                       |
| OPTIONS          | BLANK-STANDARD<br>F - FLOAT MOUNTING<br>L - CLINCH NUT (M3)<br>O - CLINCH NUT (UNC)<br>V - FEM. SCREW LOCK HEX. (UNC) | INSULATOR COLOUR<br>BLANK- NATURAL<br>B - BLACK                     |
| NO.OF CONTACTS   | 09,15,25,37,50                                                                                                        | DIMPLES<br>X-ON MALE CONNECTORS ONLY                                |
| CONTACTS         | P - PIN<br>S - SOCKET                                                                                                 | SHELL PLATING<br>BLANK-ZINC<br>T-STD. TIN over Cu                   |
| TERMINATION TYPE | 0 - SOLDER BUCKET                                                                                                     | OPTIONS<br>BLANK - STD<br>H - WITH SHIELDING TERMINATION FINGERS    |
|                  |                                                                                                                       | CONTACT PLATING<br>64 - 200 Mating cycles<br>65 - 500 Mating cycles |

|                             |   |                                                                                                                                                                                                 |
|-----------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHELLS                      | : | MATT TIN / ZINC PLATED STEEL                                                                                                                                                                    |
| INSULATOR MATERIAL          | : | SELF EXTINGUISHING THERMOPLASTIC - UL CLASS 94 V0<br>THE HOUSING WILL WITHSTAND EXPOSURE TO 260-265°C<br>IF WE USE PROTECTIVE ADHESIVE (type Kapton or Teflon)<br>OR PROTECTIVE METALLIC DEVICE |
| CONTACTS DIA ON ACTIVE AREA | : | Ø1 MM.                                                                                                                                                                                          |
| CONTACTS MATERIAL           | : | COPPER ALLOY                                                                                                                                                                                    |
| CONTACT PLATING             | : | GXT / GOLD OVER NICKEL (ACTIVE ZONE)<br>TIN OVER NICKEL (TERMINATION ZONE)                                                                                                                      |
| FOR LEAD FREE PLATING       | : | 2 µMIN. TIN TOP OVER<br>1.27 µ MIN.NICKEL UNDER PLATE(ON TERMINATION ZONE)                                                                                                                      |
| OPERATING TEMPERATURE       | : | -55°C +125°C                                                                                                                                                                                    |
| OPERATING CURRENT           | : | 5 A PER CONTACT                                                                                                                                                                                 |
| CONTACT RESISTANCE          | : | ≤10m Ω                                                                                                                                                                                          |
| INSULATION RESISTANCE       | : | ≥5000M Ω                                                                                                                                                                                        |
| MAXIMUM VOLTAGE             | : | 1000 V.r.m.s                                                                                                                                                                                    |
| MECHANICAL ENDURANCE        | : | 200 MATINGS (For 64 code) 500 MATINGS (For 65 code).                                                                                                                                            |
| DAMP HEAT                   | : | 21 DAYS.                                                                                                                                                                                        |
| WIRE SIZE                   | : | 0.6 MM <sup>2</sup> (AWG 20) MAX.                                                                                                                                                               |



LAY OUT OF 50P CONNECTOR

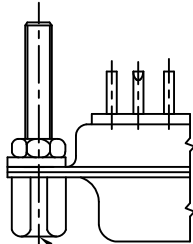
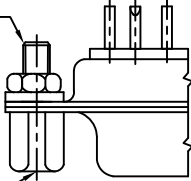
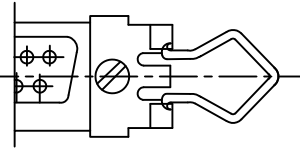
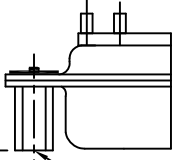
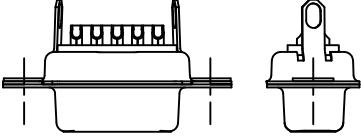
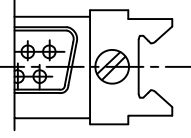


#### TECHNICAL SPECIFICATIONS

|            |   |            |            |            |            |            |       |            |            |            |           |            |
|------------|---|------------|------------|------------|------------|------------|-------|------------|------------|------------|-----------|------------|
| 50         | P | 66.65      | 52.68      | 61.11      | 11.08      | 14.99      | 11.09 | 5.85       | 55.07      | 13.31      | 1.50      | 1.0        |
|            | S | 66.65      | 52.30      | 61.11      | 10.62      | 14.99      | 11.21 | 6.05       | 55.07      | 13.31      | 1.10      | 0.8        |
| 37         | P | 68.94      | 55.30      | 63.50      | 8.23       | 12.17      | 11.09 | 5.85       | 57.45      | 10.46      | 1.50      | 1.0        |
|            | S | 68.94      | 54.71      | 63.50      | 7.77       | 12.17      | 11.21 | 6.05       | 57.45      | 10.46      | 1.10      | 0.8        |
| 25         | P | 52.65      | 38.84      | 47.04      | 8.23       | 12.17      | 11.07 | 5.85       | 41.02      | 10.46      | 1.10      | 0.8        |
|            | S | 52.65      | 38.25      | 47.04      | 7.77       | 12.17      | 11.21 | 6.05       | 41.02      | 10.46      | 1.10      | 0.8        |
| 15         | P | 38.76      | 25.12      | 33.32      | 8.23       | 12.17      | 10.99 | 5.85       | 27.25      | 10.46      | 1.10      | 0.8        |
|            | S | 38.76      | 24.54      | 33.32      | 7.77       | 12.17      | 11.21 | 6.05       | 27.25      | 10.46      | 1.10      | 0.8        |
| 09         | P | 30.43      | 16.79      | 24.99      | 8.23       | 12.17      | 10.99 | 5.85       | 19.02      | 10.46      | 1.10      | 0.8        |
|            | S | 30.43      | 16.21      | 24.99      | 7.77       | 12.17      | 11.21 | 6.05       | 19.02      | 10.46      | 1.10      | 0.8        |
| SHELL SIZE |   | A          | B          | C          | D          | E          | F MAX | G          | H          | J          | K         | L          |
|            |   | +0,76<br>0 | +0,25<br>0 | ±0,12<br>C | +0,25<br>0 | +0,76<br>0 | F MAX | +0,15<br>0 | +0,51<br>0 | +0,51<br>0 | ±0,2<br>K | +0,22<br>0 |
| DIMENSIONS |   |            |            |            |            |            |       |            |            |            |           |            |

NOTE:- 1) INSIDE DIMENSIONS OF THE MALE AND OUTSIDE DIMENSIONS OF THE FEMALE CONNECTOR  
2) ALL ACCESSORIES SHOWN IN ASSEMBLY OPTIONS SHOULD BE ORDERED SEPARATELY

#### ASSEMBLY OPTIONS

|                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |    |    |            |    |             |            |             |             |            |             |    |          |                    |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|----|------------|----|-------------|------------|-------------|-------------|------------|-------------|----|----------|--------------------|--------------------|
| <p><u>FEMALE SCREW LOCK EXTENDED TYPE</u></p>  <p>UNC 4-40,2B<br/>THREAD</p> <p>ORD CODE 8630-01-061</p> | <p><u>FEMALE SCREW LOCK</u></p> <p>EXTERNAL THREAD</p>  <p>INTERNAL THREAD</p> <table><tr><td>8630-01LF</td><td>M3</td><td>M3</td></tr><tr><td>8630-01ALF</td><td>M3</td><td>4-40 UNC 2B</td></tr><tr><td>8630-01BLF</td><td>4-40 UNC 2A</td><td>4-40 UNC 2B</td></tr><tr><td>8630-01CLF</td><td>4-40 UNC 2A</td><td>M3</td></tr><tr><td>ORD-CODE</td><td>EXTERNAL<br/>THREAD</td><td>INTERNAL<br/>THREAD</td></tr></table> | 8630-01LF          | M3 | M3 | 8630-01ALF | M3 | 4-40 UNC 2B | 8630-01BLF | 4-40 UNC 2A | 4-40 UNC 2B | 8630-01CLF | 4-40 UNC 2A | M3 | ORD-CODE | EXTERNAL<br>THREAD | INTERNAL<br>THREAD |
| 8630-01LF                                                                                                                                                                                   | M3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | M3                 |    |    |            |    |             |            |             |             |            |             |    |          |                    |                    |
| 8630-01ALF                                                                                                                                                                                  | M3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4-40 UNC 2B        |    |    |            |    |             |            |             |             |            |             |    |          |                    |                    |
| 8630-01BLF                                                                                                                                                                                  | 4-40 UNC 2A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4-40 UNC 2B        |    |    |            |    |             |            |             |             |            |             |    |          |                    |                    |
| 8630-01CLF                                                                                                                                                                                  | 4-40 UNC 2A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | M3                 |    |    |            |    |             |            |             |             |            |             |    |          |                    |                    |
| ORD-CODE                                                                                                                                                                                    | EXTERNAL<br>THREAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | INTERNAL<br>THREAD |    |    |            |    |             |            |             |             |            |             |    |          |                    |                    |
| <p><u>MALE LEVER LOCK</u></p>  <p>ORD CODE 8630-3427(EABC)<br/>ORD CODE 8630-3428(D)</p>               | <p><u>CONNECTOR WITH SPECIAL RIVETTED</u></p> <p><u>FEMALE SCREW LOCK</u></p> <p>6.4 MAX</p>  <p>UNC 4-40,2B<br/>THREAD</p> <p>PREFIX: V</p>                                                                                                                                                                                                                                                                              |                    |    |    |            |    |             |            |             |             |            |             |    |          |                    |                    |
| <p><u>WITH SHIELDING TERMINATION FINGERS</u></p>  <p>OPTION: H</p>                                     | <p><u>FEMALE LEVER LOCK</u></p>  <p>ORD CODE 8630-3425(EABC)<br/>ORD CODE 8630-3426(D)</p>                                                                                                                                                                                                                                                                                                                                |                    |    |    |            |    |             |            |             |             |            |             |    |          |                    |                    |

|                           |          |                |            |                       |  |                               |  |                  |  |                                                                    |  |  |  |
|---------------------------|----------|----------------|------------|-----------------------|--|-------------------------------|--|------------------|--|--------------------------------------------------------------------|--|--|--|
| mat'l. code<br>SEE NOTE 4 |          |                |            | surface<br>ISO 1302 ✓ |  | tolerance<br>ISO 406 ISO 1101 |  | projection<br>MM |  | product family<br>D-SUB                                            |  |  |  |
| ltr                       | ecn no   | dr             | date       | tolerances unless     |  | otherwise specified           |  | scale            |  | title<br>D- SUB SOLDER BUCKET CONNECTOR<br>(WITH ASSEMBLY OPTIONS) |  |  |  |
| N                         | I11-0003 | AMR            | 2011-01-06 | angles                |  | linear                        |  | .00±0.1          |  |                                                                    |  |  |  |
| -                         | -        | -              | -          | 0°±1°                 |  | .000±.00X                     |  | MM               |  |                                                                    |  |  |  |
| H                         | I07-0175 | MRA            | 2007-12-17 | dr                    |  | GEORGE.V.JOSEPH               |  | 1999-03-20       |  |                                                                    |  |  |  |
| J                         | I08-0131 | MRA            | 2008-10-06 | enr                   |  | GEORGE.V.JOSEPH               |  | 1999-03-20       |  |                                                                    |  |  |  |
| K                         | I09-0121 | MRA            | 2009-07-01 | chr                   |  | ABHILASH.M.R                  |  | 2009-07-01       |  |                                                                    |  |  |  |
| L                         | I09-0140 | MRA            | 2009-07-14 | appd                  |  | SUDHIR.VARMA                  |  | 2009-07-01       |  |                                                                    |  |  |  |
| M                         | I09-0195 | MRA            | 2009-09-18 |                       |  |                               |  |                  |  |                                                                    |  |  |  |
| sheet index               |          | revision sheet |            | N                     |  |                               |  |                  |  | dwg no                                                             |  |  |  |
|                           |          |                |            | 1                     |  |                               |  |                  |  | sheet 1 of 1                                                       |  |  |  |
|                           |          |                |            |                       |  |                               |  |                  |  | size                                                               |  |  |  |
|                           |          |                |            |                       |  |                               |  |                  |  | A3                                                                 |  |  |  |
|                           |          |                |            |                       |  |                               |  |                  |  | type                                                               |  |  |  |
|                           |          |                |            |                       |  |                               |  |                  |  | Product Customer Drawing                                           |  |  |  |

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