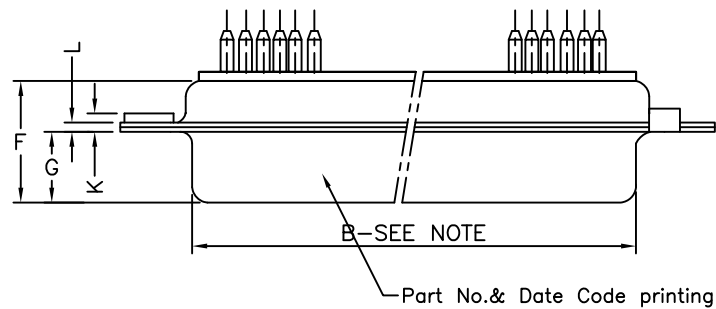
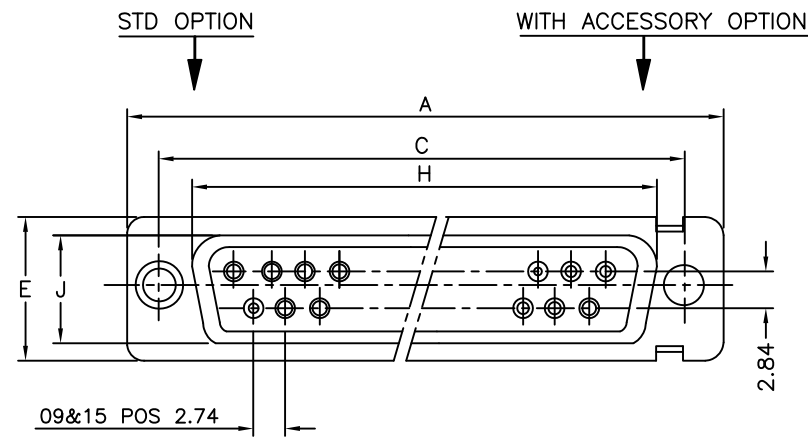


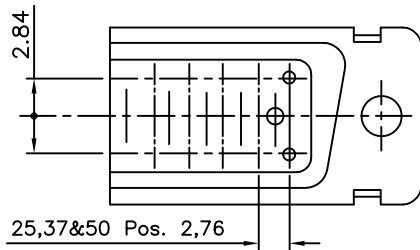
## ORDERING INFORMATION

|                            |                |   |   |    |   |   |    |   |   |   |     |    |                           |
|----------------------------|----------------|---|---|----|---|---|----|---|---|---|-----|----|---------------------------|
| SERIES                     | D              | B | V | 25 | P | 3 | 64 | G | T | X | XXX | LF | LEAD FREE                 |
| SHELL SIZE                 | E,A,B,C,D      |   |   |    |   |   |    |   |   |   |     |    | SPECIAL CODES             |
| PANEL MOUNTING OPTIONS     |                |   |   |    |   |   |    |   |   |   |     |    | DIMPLES                   |
| BLANK-STANDARD             |                |   |   |    |   |   |    |   |   |   |     |    | X-ON MALE CONNECTORS ONLY |
| V-FEM. SCREW LOCK (UNC)    |                |   |   |    |   |   |    |   |   |   |     |    | SHELL PLATING             |
| N-FEM. SCREW LOCK M3       |                |   |   |    |   |   |    |   |   |   |     |    | BLANK-ZINC (Cr+3)         |
| S-SPACER RIVETTED TO SHELL |                |   |   |    |   |   |    |   |   |   |     |    | T-STD. TIN Over Cu        |
| L-CLINCH NUT (M3)          |                |   |   |    |   |   |    |   |   |   |     |    | PCB MOUNTING OPTIONS      |
| O-CLINCH NUT (UNC)         |                |   |   |    |   |   |    |   |   |   |     |    | BLANK-STANDARD            |
| NO. OF CONTACTS            | 09,15,25,37,50 |   |   |    |   |   |    |   |   |   |     |    | G-HARPOON                 |
| CONTACTS                   |                |   |   |    |   |   |    |   |   |   |     |    | CONTACT PLATING           |
| P - PIN                    |                |   |   |    |   |   |    |   |   |   |     |    | 64 - 200 MATING CYCLES    |
| S - SOCKET                 |                |   |   |    |   |   |    |   |   |   |     |    | 65 - 500 MATING CYCLES    |
| TERMINATION TYPE           |                |   |   |    |   |   |    |   |   |   |     |    |                           |
| 3-STRAIGHT SPILL           |                |   |   |    |   |   |    |   |   |   |     |    |                           |
| 4-WIRE WRAP                |                |   |   |    |   |   |    |   |   |   |     |    |                           |

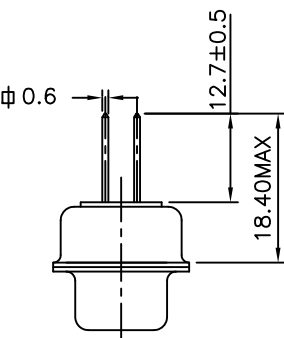
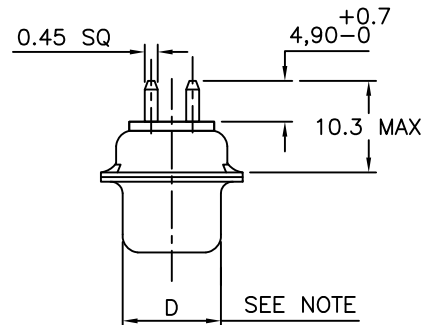
"This LF product meets European Union Directives and other country regulations as described in GS-22-008"

The housing will withstand exposure to 260°C peak temperature for 3.5 seconds in a wave solder application with a 1.6mm minimum thick circuit board.

Packaging as per GS-14-920

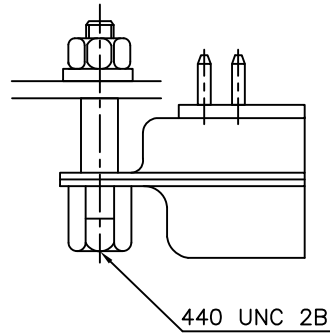


LAY OUT OF 50P CONNECTOR



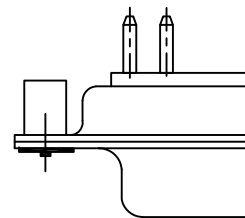
WIRE WRAP CODE 4

## EXTENDED FEMALE SCREW LOCK WITH SPACER



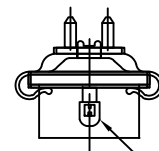
ORD CODE -8630-01-062

## SPACERS RIVETTED TO SHELL



PREFIX:- S

## MALE SCREW LOCK

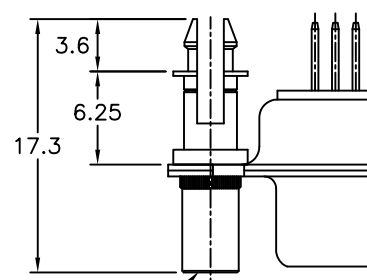


OR M3

ORD CODE:-  
8630-05( E.A.B.C.)  
8630-03 D SHELL FEMALE  
8630-15 D SHELL MALE  
8630-04 E,A,B,C SHELL  
WITH METAL HOOD

FOR 440 UNC 2A THREADED ADD UNC  
TO THE CORRESPONDING ORD. CODE.

## HARPOON PRESS FITTED TO SHELL



OPTION:-V with G

|                           |          |                |            |                                       |                  |                               |  |                  |  |                               |  |  |  |
|---------------------------|----------|----------------|------------|---------------------------------------|------------------|-------------------------------|--|------------------|--|-------------------------------|--|--|--|
| mat'l. code<br>SEE NOTE 4 |          |                |            | surface<br>ISO 1302                   |                  | tolerance<br>ISO 406 ISO 1101 |  | projection<br>MM |  | product family                |  |  |  |
| ltr                       | ecn no   | dr             | date       | tolerances unless otherwise specified |                  |                               |  |                  |  | title                         |  |  |  |
| D                         | 106-0074 | GVJ            | 2006/06/08 | angles                                |                  |                               |  |                  |  | D- SUB S/S W/W CONNECTOR      |  |  |  |
| E                         | 109-0179 | AMR            | 2009/09/04 | linear                                |                  |                               |  |                  |  | ( WITH ASSEMBLY OPTIONS)      |  |  |  |
| F                         | 109-0195 | AMR            | 2009/09/04 |                                       |                  |                               |  |                  |  | scale -                       |  |  |  |
| G                         | 111-0003 | AMR            | 2011/01/06 | dr                                    | Mini K Vandanath | 1999/03/20                    |  |                  |  | dwg no                        |  |  |  |
| H                         | 111-0047 | AMR            | 2011/03/05 | enr                                   | George V Joseph  | 1999/03/20                    |  |                  |  | sheet 1 of 1                  |  |  |  |
|                           |          |                |            | chr                                   | Abhilash M R     | 2009/09/04                    |  |                  |  | size                          |  |  |  |
|                           |          |                |            | appd                                  | Sudhir Varma     | 2009/09/04                    |  |                  |  | A3                            |  |  |  |
| sheet index               |          | revision sheet |            | H                                     | 1                |                               |  |                  |  | type Product Customer Drawing |  |  |  |

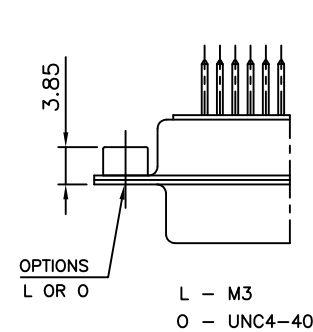
|            |   |                    |                    |                    |                    |                    |                  |                    |                    |                    |                   |                    |
|------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|--------------------|--------------------|-------------------|--------------------|
| 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 <sup>+0.76</sup> | B <sup>+0.25</sup> | C <sup>+0.12</sup> | D <sup>+0.25</sup> | E <sup>+0.76</sup> | F <sup>MAX</sup> | G <sup>+0.15</sup> | H <sup>+0.51</sup> | J <sup>+0.51</sup> | K <sup>±0.2</sup> | L <sup>+0.22</sup> |
| DIMENSIONS |   |                    |                    |                    |                    |                    |                  |                    |                    |                    |                   |                    |

NOTE: INSIDE DIMENSION OF MALE AND OUTSIDE DIMENSION OF THE FEMALE CONNETOR

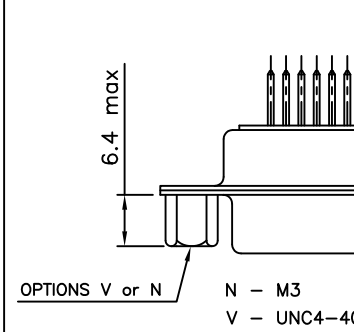
## TECHNICAL SPECIFICATIONS

|                             |                                                                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHELLS                      | : TIN/ZINC PLATED STEEL                                                                                                                                                                                |
| 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       | : 2µ MIN. TIN TOP OVER<br>1.27µ MIN.NICKEL UNDER PLATE(ON TERMINATION ZONE)                                                                                                                            |
| INSULATOR MATERIAL          | : SELF EXTINGUISHING THERMOPLASTIC-<br>TO 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 |
| OPERATING TEMPERATURE       | : -55°C +125°C                                                                                                                                                                                         |
| OPERATING CURRENT           | : 5 A PER CONTACT                                                                                                                                                                                      |
| CONTACT RESISTANCE          | : ≤10m Ω                                                                                                                                                                                               |
| INSULATION RESISTANCE       | : ≥5000 M Ω                                                                                                                                                                                            |
| MAXIMUM VOLTAGE             | : 1000 V.r.m.s                                                                                                                                                                                         |
| MECHANICAL ENDURANCE        | : 500 MATINGS FOR CODE 64<br>200 MATINGS FOR CODE 65                                                                                                                                                   |
| DAMP HEAT                   | : 56 DAYS FOR ≥0.75µ GOLD PLATING<br>21 DAYS FOR ≤0.40µ GOLD PLATING                                                                                                                                   |

## CLINCH NUT



## HEXAGONAL FEMALE SCREW



## HARPOON RIVETTED TO SHELL

