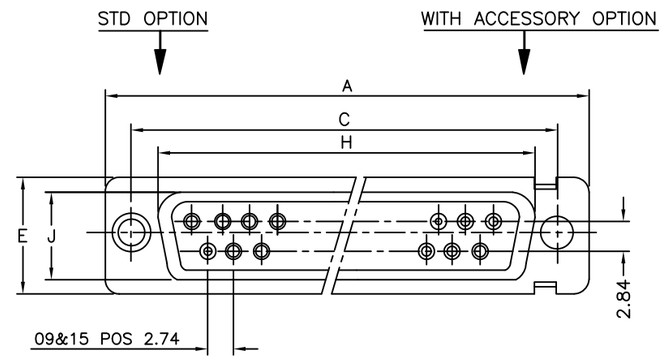
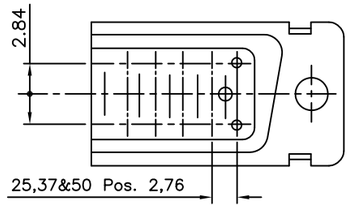
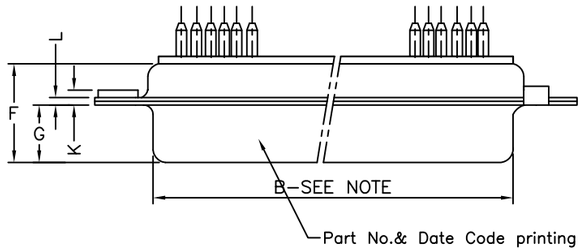
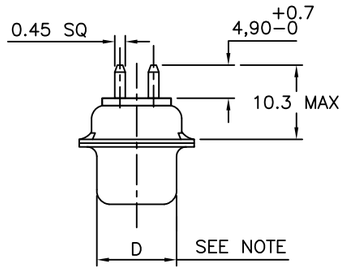
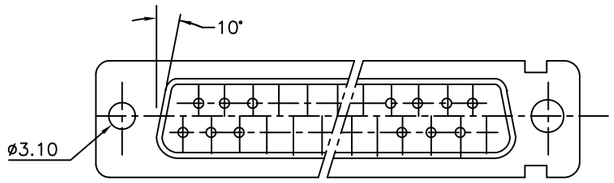


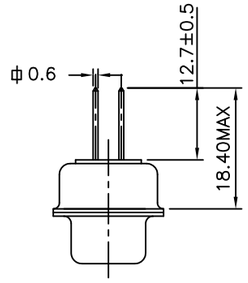

LAY OUT OF 50P CONNECTOR



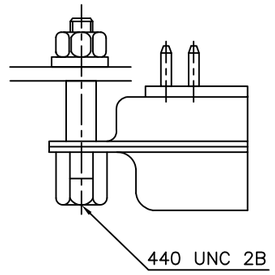




VIEW OF MATING FACE



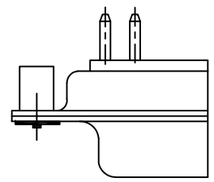

WIRE WRAP CODE 4

EXTENDED FEMALE SCREW LOCK WITH SPACER



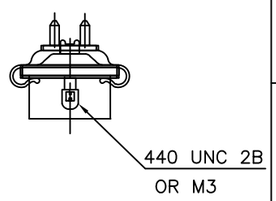

ORD CODE –8630–01–062

SPACERS RIVETTED TO SHELL



PREFIX:– S

MALE SCREW LOCK




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.

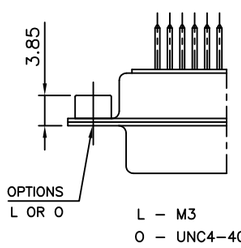
| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | P | 66.65 | 52.68 | 61.11 | 11.08 | 14.99 | 11.09 | 5.85 | 55.07 | 13.31 | 1.50 | 1.0 |
| | S | 66.65 | 52.30 | 61.11 | 10.62 | 14.99 | 11.21 | 6.05 | 55.07 | 13.31 | 1.10 | 0.8 |
| 37 | P | 68.94 | 55.30 | 63.50 | 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 | | $A^{+0.76}_{0}$ | $B^{+0.25}_{0}$ | $C^{\pm0.12}$ | $D^{+0.25}_{0}$ | $E^{+0.76}_{0}$ | $F_{MAX}$ | $G^{+0.15}_{0}$ | $H^{+0.51}_{0}$ | $J^{+0.51}_{0}$ | $K^{\pm0.2}$ | $L^{+0.22}_{0}$ |
| | | DIMENSIONS | | | | | | | | | | |

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

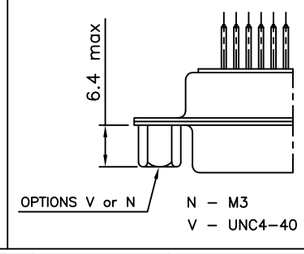
## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| 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 |

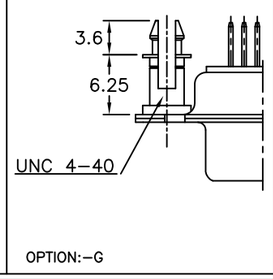
CLINCH NUT



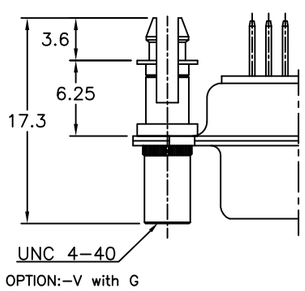

HEXAGONAL FEMALE SCREW




HARPOON RIVETTED TO SHELL




HARPOON PRESS FITTED TO SHELL




## ORDERING INFORMATION

D B V 25 P 3 64 G T X XXX LF

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

"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

| mat'l. code | | | | surface | | tolerance | | projection | product family |
|---|---|---|---|---|---|---|---|---|---|
| SEE NOTE 4 | | | | ISO 1302 | | ISO 406 ISO 1101 | | | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | | | | title |
| D | I06–0074 | GVJ | 2006/06/08 | angles | linear | | | MM | D- SUB S/S W/W CONNECTOR |
| E | I09–0179 | AMR | 2009/09/04 | | | | | | ( WITH ASSEMBLY OPTIONS) |
| F | I09–0195 | AMR | 2009/09/04 | | | | | scale – | |
| G | I11–0003 | AMR | 2011/01/06 | dr | Mini K Vandanath | 1999/03/20 | | | dwg no C-DSUB-0065 |
| H | I11–0047 | AMR | 2011/03/05 | engr | George V Joseph | 1999/03/20 | | | sheet 1 of 1 |
| | | | | chr | Abhilash M R | 2009/09/04 | | | size A3 |
| | | | | appd | Sudhir Varma | 2009/09/04 | | | type Product Customer Drawing |
| sheet index | revision | H | | | | | | | |
| | sheet | 1 | | | | | | | |

form: A3

PDM: Rev:H STATUS:Released Printed: Mar 06, 2011

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