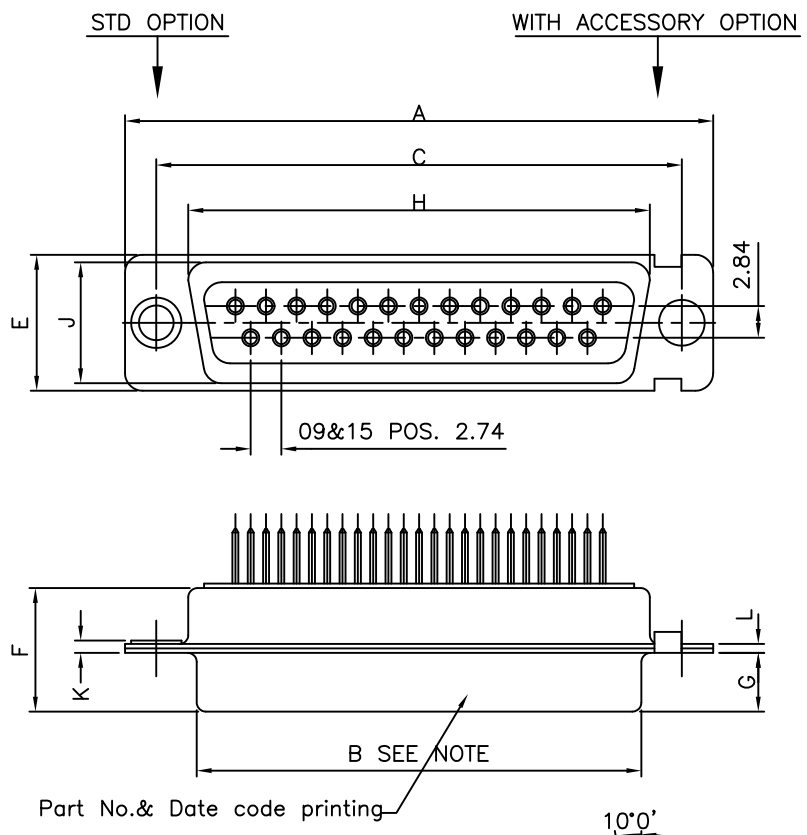
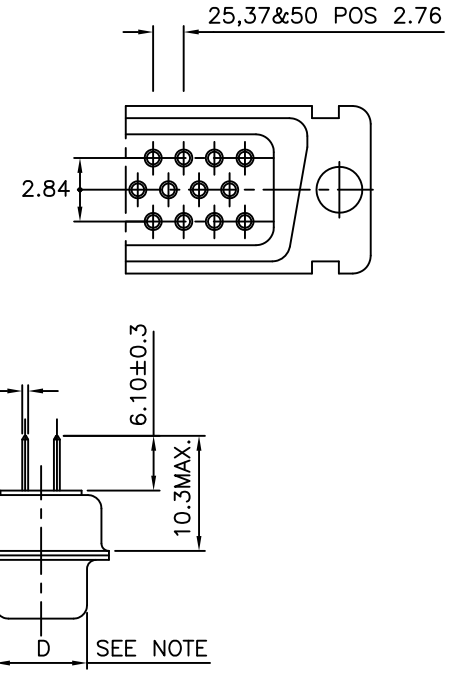
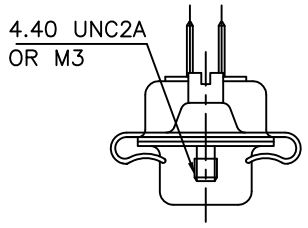



VIEW OF MATING FACE

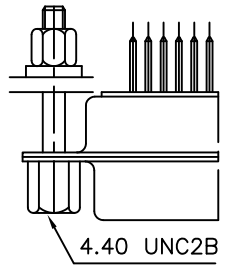
LAYOUT OF 50 POS.CONNECTOR



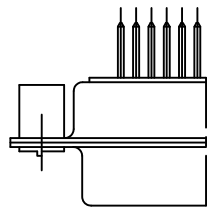

ORD.CODE:–8630–05(E,A,B,C)
ORD.CODE:–8630–03 D/SHELL FEMALE.
ORD.CODE:–8630–15 D/SHELL MALE.
ORD.CODE:–8630–04 E,A,B,C SHELL.
WITH METAL HOOD.
FOR 4.40UNC THREAD ADD 'N' TO THE CORRESPONDING ORD.CODE.

EXTENDED FEMALE SCREW–LOCK WITH SPACER



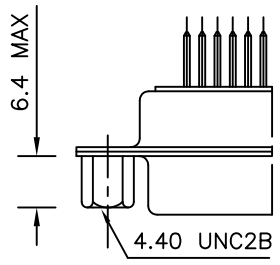

ORD.CODE:–8630–01–062

SPACER RIVETTED TO SHELL



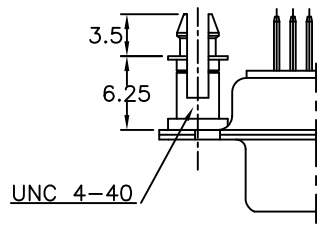
OPTION:–S

FEMALE SCREW RIVETTED TO SHELL



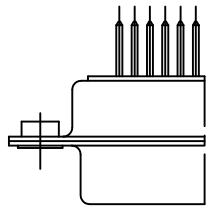

OPTION:–V

HARPOON RIVETTED TO SHELL




OPTION:–G WITH IN COMBINATION WITH L/O

CLINCH NUT RIVETTED TO SHELL



OPTION:–L
OPTION:–O

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | +0.76 A–0 | +0.25 B–0 | ±0.12 C | +0.25 D–0 | +0.76 E–0 | F MAX | +0.15 G–0 | +0.51 H–0 | +0.51 J–0 | K±0.20 | +0.22 L–0 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| SHELLS | : TIN/ZINC PLATED STEEL |
| INSULATOR MATERIAL | : SELF EXTINGUISHING THERMOPLASTIC–TO UL CLASS 94 V0<br>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 | : GXT / GOLD OVER NICKEL |
| OPERATING TEMPERATURE | : –55°C +125°C |
| OPERATING CURRENT | : 7.5 A PER CONTACT |
| CONTACT RESISTANCE | : ⩽7.3 mΩ |
| INSULATION RESISTANCE | : ⩾5000 MΩ |
| MAXIMUM VOLTAGE | : 1000 V.r.m.s |
| MECHANICAL ENDURANCE | : 500 MATINGS FOR CODE 65<br>: 200 MATINGS FOR CODE 64 |
| DAMP HEAT | : 56 DAYS FOR CODE 65<br>: 21 DAYS FOR CODE 64 |

"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.

Pckaging as per GS–14–920

NOTE:–INSIDE DIMENSIONS OF MALE AND OUTSIDE DIMENSIONS OF THE FEMALE CONNECTOR.

## ORDERING INFORMATION

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

- SERIES
- SHELL SIZE — E,A,B,C,D
- CHARECTERISATION — P–DP SERIES
- OPTIONS — BLANK–STANDARD; V–FEM. SCREW LOCK HEX. (UNC); L–CLINCH NUT (M3); O–CLINCH NUT (UNC); S–SPACER RIVETTED TO SHELL (S/S ONLY)
- NO.OF CONTACTS — 09,15,25,37,50
- CONTACTS — P – PIN; S – SOCKET
- TERMINATION TYPE — 3–STRAIGHT SPILL
- CONTACT PLATING — 64 – 200 MATING CYCLES; 65 – 500 MATING CYCLES
- OPTIONS — BLANK–STANDARD; G–HARPOON (UNC4–40)
- SHELL PLATING — BLANK–ZINC +Cr3; T–STD. TIN over Cu
- DIMPLES– OPTIONAL — X–ON MALE CONNECTORS ONLY
- SPECIAL CODES
- LEAD FREE

| ltr | ecn no | dr | date |
|---|---|---|---|
| F | I06–0074 | GVJ | 2006–06–08 |
| G | I08–0047 | AMR | 2008–03–25 |
| H | I08–0125 | AMR | 2008–09–25 |
| J | I08–0139 | AMR | 2008–10–13 |
| K | I09–0075 | AMR | 2009–05–14 |
| L | I11–0003 | AMR | 2011–01–06 |
| M | I11–0079 | AMR | 2011–05–02 |

| | | |
|---|---|---|
| dr | Mini K Vandanath | 1999-03-20 |
| engr | George V Joseph | 1999-03-20 |
| chr | Abhilash M R | 2008-09-25 |
| appd | Sudhir Varma | 2008-09-25 |

mat'l. code: SEE NOTE 4
surface: ISO 1302
tolerance: ISO 406 ISO 1101
tolerances unless otherwise specified: angles; linear
projection
MM
scale –
product family: D-SUB
title: D-SUB S/S CONNECTOR (DP SERIES WITH ASSEMBLY OPTIONS)
dwg no: C-DSUB-0067
sheet 1 of 1
size: A3
type: Product Customer Drawing
sheet index: revision M; sheet 1

form: A3

PDM: Rev:M STATUS: Released Printed: May 03, 2011

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