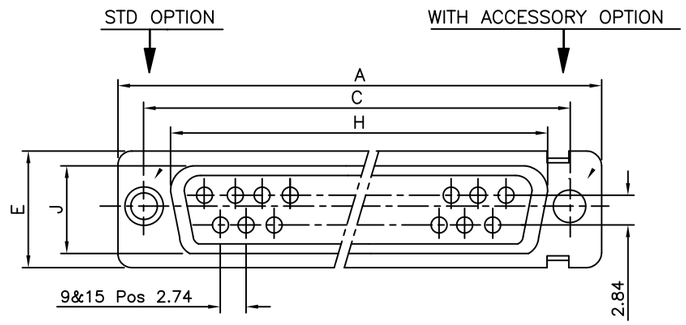
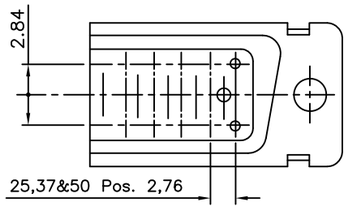
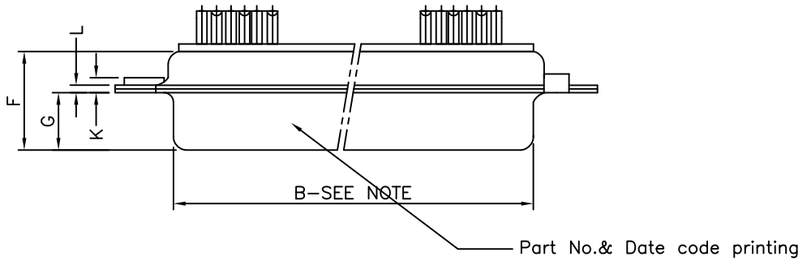
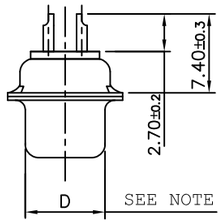
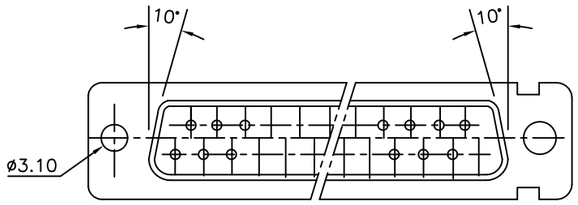



LAY OUT OF 50P CONNECTOR




VIEW OF MATING FACE

| SHELL SIZE | | A +0,76 0 | B +0,25 0 | C ±0,12 | D +0,25 0 | E +0,76 0 | F MAX | G +0,15 0 | H +0,51 0 | J +0,51 0 | K ±0,2 | L +0,22 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | DIMENSIONS | | | | | | | | | | |
| 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 |

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

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| 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) |
| | : | 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 $MM^2$ (AWG 20) MAX. |

"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

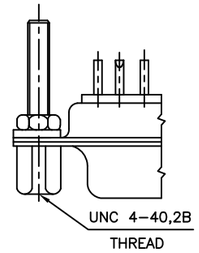
## ORDERING INFORMATION

D B V 25 P 0 64 H T X B XXX LF

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

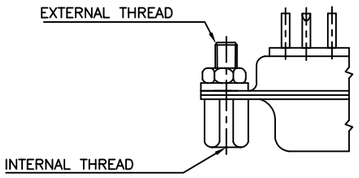
## ASSEMBLY OPTIONS

### FEMALE SCREW LOCK EXTENDED TYPE



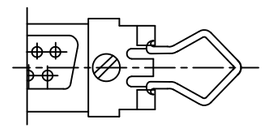

ORD CODE 8630–01–061

### FEMALE SCREW LOCK




| ORD–CODE | EXTERNAL THREAD | INTERNAL 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 |

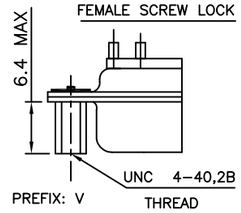
### MALE LEVER LOCK



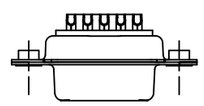
ORD CODE 8630–3427(EABC)

ORD CODE 8630–3428(D)

### CONNECTOR WITH SPECIAL RIVETTED FEMALE SCREW LOCK

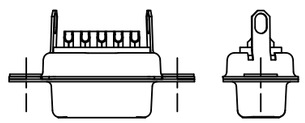



### CLINCH NUT



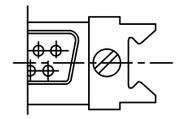
PREFIX:
O – UNC4–40
L – M3

### WITH SHIELDING TERMINATION FINGERS



OPTION: H

### FEMALE LEVER LOCK



ORD CODE 8630–3425(EABC)

ORD CODE 8630–3426(D)

| mat'l. code | | | | surface | tolerance | projection |
|---|---|---|---|---|---|---|
| SEE NOTE 4 | | | | ISO 1302 | ISO 406 ISO 1101 | |
| ltr | ecn no | dr | date | tolerances unless otherwise specified | | |
| N | I11-0003 | AMR | 2011-01-06 | angles | linear .00±0.1 | MM |
| - | - | - | - | | | |
| H | I07-0175 | MRA | 2007-12-17 | 0°±1° | .000±.00X | scale – |
| J | I08-0131 | MRA | 2008-10-06 | dr | GEORGE.V.JOSEPH | 1999-03-20 |
| K | I09-0121 | MRA | 2009-07-01 | engr | GEORGE.V.JOSEPH | 1999-03-20 |
| L | I09-0140 | MRA | 2009-07-14 | chr | ABHILASH.M.R | 2009-07-01 |
| M | I09-0195 | MRA | 2009-09-18 | appd | SUDHIR.VARMA | 2009-07-01 |
| sheet index | revision | N | | | | |
| | sheet | 1 | | | | |

product family: D-SUB

title: D- SUB SOLDER BUCKET CONNECTOR (WITH ASSEMBLY OPTIONS)

dwg no: C-DSUB-0064 sheet 1 of 1 size A3

type: Product Customer Drawing

form: A3

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