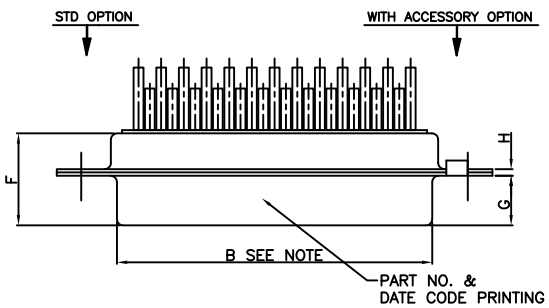
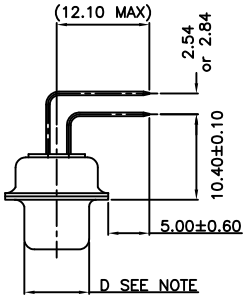
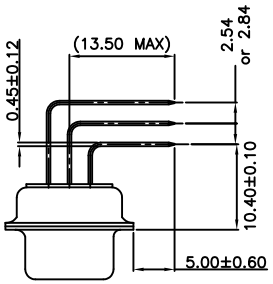
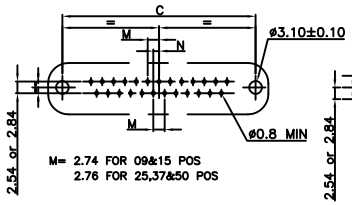


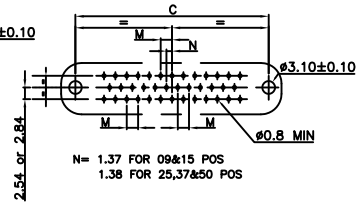




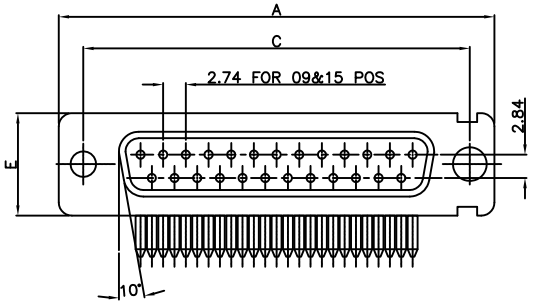
PCB DRILLING DETAIL – 09 TO 37 POS



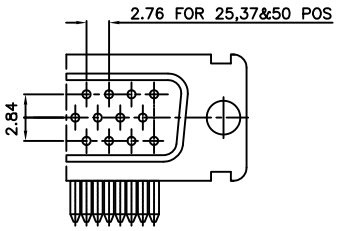
PCB DRILLING DETAIL – 50 POS



SCALE 2:1

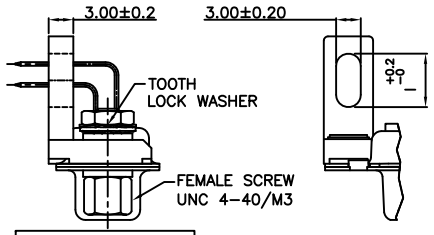


LAYOUT OF 50 POS.CONNECTOR



SCREW LOCK WITH NUT, WASHER & PLASTIC BRACKET

OPTION: – N (FEMALE SCREW M3)
OPTION: – T (FEMALE SCREW UNC4–40)

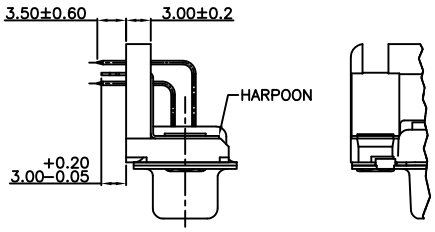


l = 6.5 (9–37 POS)
l = 7.4 (50 POS)

BRACKET DETAILS

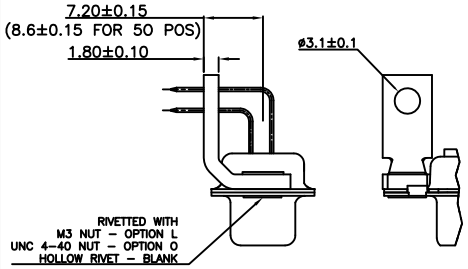
HARPOON WITH PLASTIC BRACKET

OPTION: – G



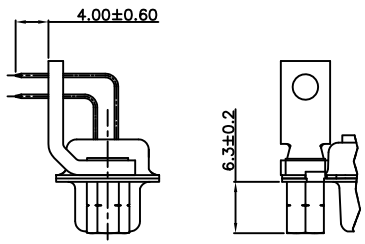
VIEW WITH RIVET & METAL BRACKET

OPTION: – L/O WITH M (METAL BRACKET)



VIEW WITH RIVETED FEMALE SCREW & METAL BRACKET

OPTION: – V WITH M (METAL BRACKET)



TECHNICAL SPECIFICATIONS

SHELLS	: TIN PLATED STEEL
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	: 2µ MIN. TIN TOP OVER 1.27µ MIN. NICKEL UNDER PLATE(ON TERMINATION ZONE)
INSULATOR MATERIAL	: SELF EXTINGUISHING THERMOPLASTIC- TO UL CLASS 94 V0 THE HOUSING WILL WITHSTAND EXPOSURE TO 260-265°C IF WE USE PROTECTIVE ADHESIVE (Kapton or Teflon) OR PROTECTIVE METALLIC DEVICE
OPERATING TEMPERATURE	: -55°C +125°C
OPERATING CURRENT	: 5 A PER CONTACT
CONTACT RESISTANCE	: ≤25mΩ
INSULATION RESISTANCE	: ≥5000 MΩ
MAXIMUM VOLTAGE	: 1000 V.r.m.s
MECHANICAL ENDURANCE	: 500 MATINGS MIN.FOR CODE 65 200 MATINGS MIN.FOR CODE 64
DAMP HEAT	: 21 DAYS.

ORDERING INFORMATION

D B V 25 P 5 64 C T X XXX LF

- SERIES
- SHELL SIZE: E,A,B,C,D
- OPTIONS: BLANK-STANDARD; V-RVTD HEX. FEM SCREW LOCK (UNC4-40); L-CLINCH NUT (M3); O-CLINCH NUT (UNC4-40); N-SCREW (M3) WITH NUT, WASHER & BRACKET; T-SCREW (UNC) WITH NUT, WASHER & BRACKET
- NO.OF CONTACTS: 09,15,25,37,50
- CONTACTS: P - PIN; S - SOCKET
- TERMINATION TYPE: 5-ANGLED SPILL 2.54mm BETWEEN ROWS; 8-ANGLED SPILL 2.84mm BETWEEN ROWS
- CONTACT PLATING: 64 - 200 MATING CYCLES; 65 - 500 MATING CYCLES
- OPTIONS: BLANK - STANDARD; G - HARPOON; M - METAL BRACKET; C - WITHOUT BRACKET
- SHELL PLATING: BLANK-ZINC; T-STD. TIN LEAD Over Cu
- DIMPLES: X-ON MALE CONNECTORS ONLY
- SPECIAL CODES
- LEAD FREE

50	P	66.93	52.80	61.11	11.20	15.37	11.09	5.75	1.0
	S	66.93	52.42	61.11	10.74	15.37	11.21	6.05	0.9
37	P	69.32	55.42	63.50	8.35	12.55	11.09	5.75	1.0
	S	69.32	54.83	63.50	7.89	12.55	11.21	6.05	0.9
25	P	53.03	38.96	47.04	8.35	12.55	11.09	5.75	0.9
	S	53.03	38.37	47.04	7.89	12.55	11.21	6.05	0.9
15	P	39.14	25.24	33.32	8.35	12.55	10.99	5.85	0.9
	S	39.14	24.66	33.32	7.89	12.55	11.21	6.05	0.9
09	P	30.81	16.91	24.99	8.35	12.55	10.99	5.85	0.9
	S	30.81	16.33	24.99	7.89	12.55	11.21	6.05	0.9
SHELL SIZE		±0.38 A	±0.13 B	±0.13 C	±0.13 D	±0.38 E	F MAX	+0.25 G–0	±0.12 H

NOTES:
1) GENERAL VIEW SHOWN IS OPTION C
2) INSIDE DIMENSION OF MALE AND OUTSIDE DIMENSION OF THE FEMALE CONNECTOR

"This LF product meets European Union Directives and other country regulations as described in GS-47-0004."

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
–	ISO 1302 √	ISO 406 ISO 1101		D–SUB

ltr	ecn no	dr	date	tolerances unless otherwise specified	
G	I06–0074	GVJ	2006/06/08	angles	linear ±0.1
H	I08–0139	MRA	2008/10/13		–
J	I09–0075	MRA	2009/05/14	0°±2°	–
K	I11–0003	MRA	2011/01/06	dr MINI K VANDANATH	1999/03/20
L	ELX–I–15429	MP	2013/08/06	engr MITHUN PAUL	2013/08/06
M	ELX–I–20760	MP	2015/05/02	chr ALIAS BABU	2013/08/06
				appd BIJU K PAUL	2013/08/06

MM

scale 4:1

title: D-SUB A/S CONNECTOR WITH FOOTPRINT 10.4 mm (WITH ASSEMBLY OPTIONS)

dwg no: C–DSUB–0066 | sheet 1 of 1 | size A3

type: Product Customer Drawing

sheet index | revision M | sheet 1

form: A3