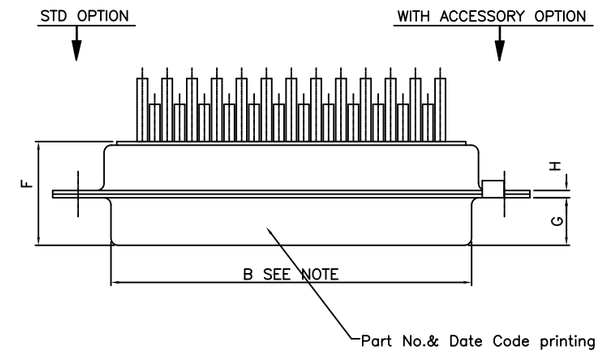
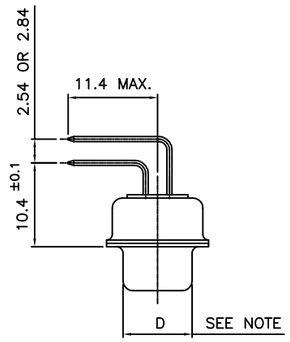
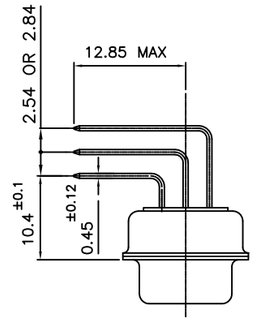
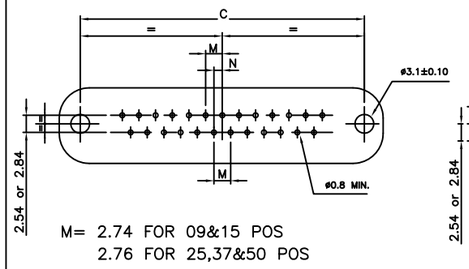


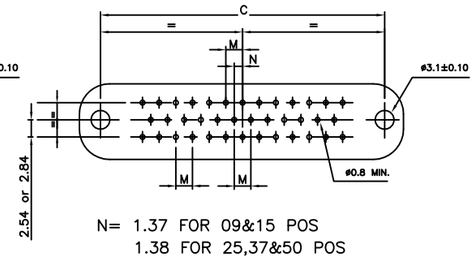




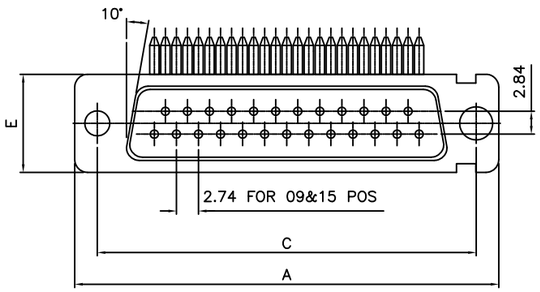
PCB DRILLING DETAIL – 09 TO 37 POS



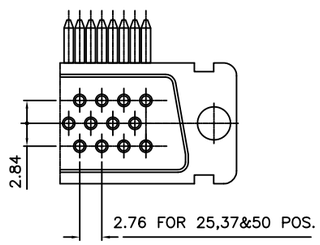
PCB DRILLING DETAIL – 50 POS



SCALE 1.5:1



LAYOUT OF 50 POS.CONNECTOR



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)
	: 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	: ≤25m Ω
INSULATION RESISTANCE	: ≥5000 M Ω
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
E,A,B,C,D

SHELL SIZE

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

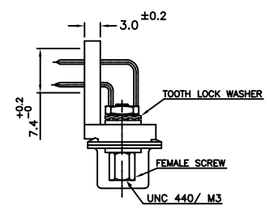
DIMPLES
X-ON MALE CONNECTORS ONLY

SHELL PLATING
BLANK-ZINC
T-STD. TIN LEAD Over Cu

SPECIAL CODES

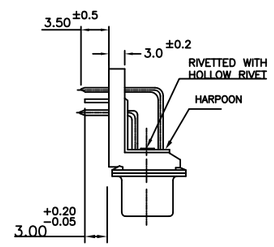
LEAD FREE

SCREW LOCK WITH NUT, WASHER & PLASTIC BRACKET



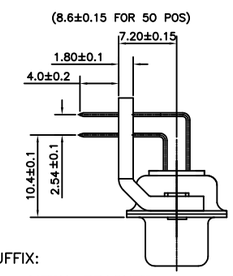
SUFFIX: – N (FEMALE SCREW M3)
SUFFIX: – T (FEMALE SCREW UNC4–40)

HARPOON WITH PLASTIC BRACKET



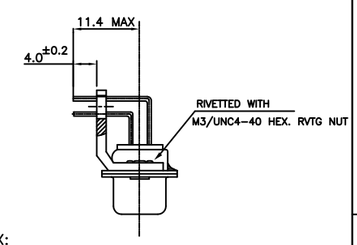
SUFFIX: – G

VIEW WITH METAL BRACKET & HOLLOW RIVET



SUFFIX:
M – METAL BRACKET

METAL/PLASTIC BRACKET WITH HEX RIVETTING NUT



SUFFIX:
L / O

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	11.07	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

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

"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

ltr	ecn no	dr	date
G	I06–0074	GVJ	2006/06/08
H	I08–0139	MRA	2008–10–13
J	I09–0075	MRA	2009–05–14
K	I11–0003	MRA	2011–01–06
L	ELX–I–15429	MP	2013–08–06

dr	Mini K Vandanath	1999/03/20
engr	Abhilash M.R	2008-10-11
chr	Mithun Paul	2013-08-06
appd	Biju K Paul	2013-08-06

mat'l. code
surface ISO 1302
tolerance ISO 406 ISO 1101
tolerances unless otherwise specified
angles linear
projection
MM
scale 2:1
product family
title D-SUB A/S CONNECTOR WITH FOOT PRINT 10.4 mm (WITH ASSEMBLY OPTIONS)
dwg no C-DSUB-0066
sheet 1 of 1
size A3
type Product Customer Drawing
sheet index
revision sheet L 1

form: A3

Copyright FCI
FCIconnect.com