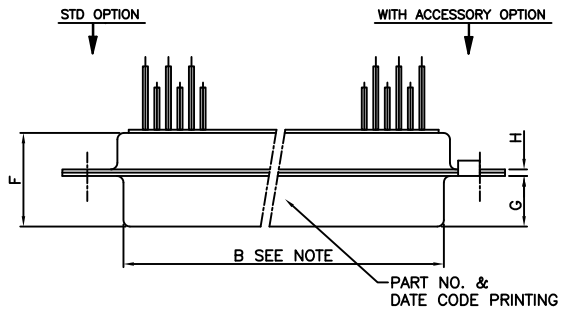
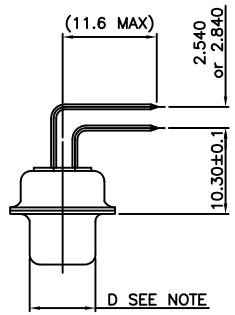
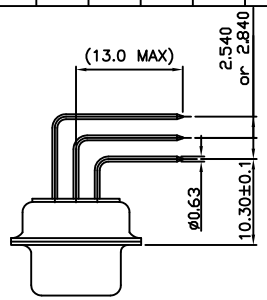
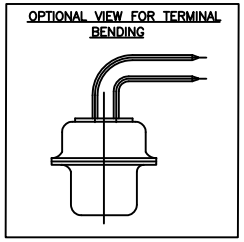
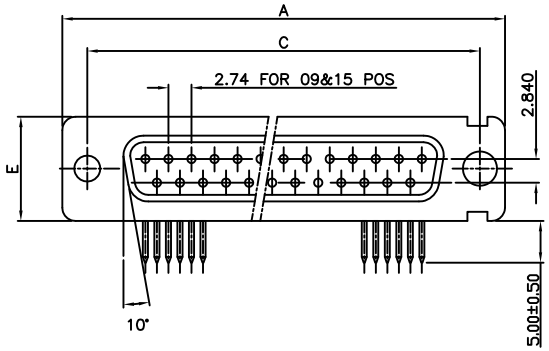


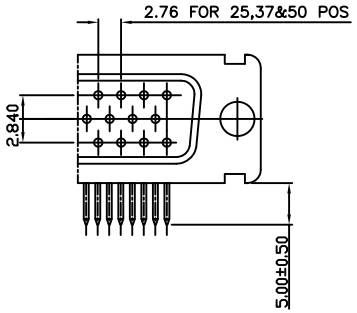


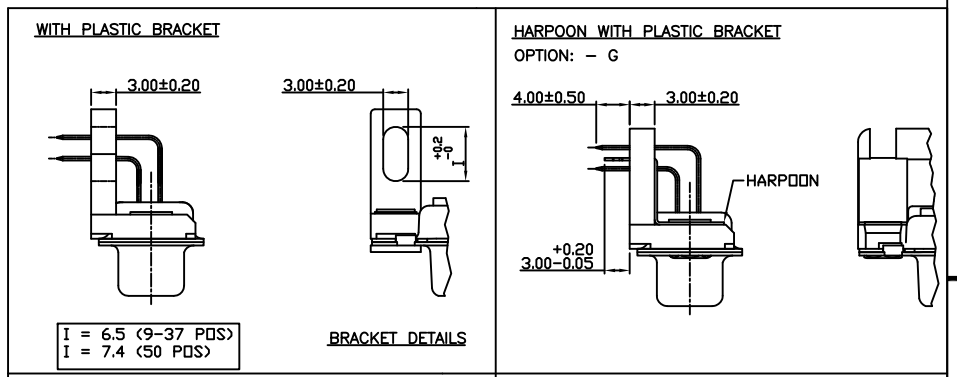






LAYOUT OF 50 POS.CONNECTOR





TECHNICAL SPECIFICATIONS

SHELLS	:	TIN PLATED STEEL
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
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 m 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	:	56 DAYS FOR CODE 65
	:	21 DAYS FOR CODE 64

ORDERING INFORMATION

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

- SERIES: D
- SHELL SIZE: E,A,B,C,D
- CHARACTERISATION: P-DP SERIES
- OPTIONS-1: BLANK-STANDARD; 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: 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-2: BLANK-WITH PLASTIC BRACKET; G-HARPOON; M-METAL BRACKET; C-WITHOUT BRACKET
- SHELL PLATING: T-STD TIN over Cu
- DIMPLES: X-ON MALE CONNECTORS ONLY
- SPECIAL CODES: XXX
- LEAD FREE: LF

50	P	66.65	52.68	61.11	11.08	14.99	11.09	5.85	1.0
	S	66.65	52.30	61.11	10.62	14.99	11.21	6.05	0.8
37	P	68.94	55.30	63.50	8.23	12.17	11.09	5.85	1.0
	S	68.94	54.71	63.50	7.77	12.17	11.21	6.05	0.8
25	P	52.65	38.84	47.04	8.23	12.17	11.09	5.85	0.8
	S	52.65	38.25	47.04	7.77	12.17	11.21	6.05	0.8
15	P	38.76	25.12	33.32	8.23	12.17	10.99	5.85	0.8
	S	38.76	24.54	33.32	7.77	12.17	11.21	6.05	0.8
09	P	30.43	16.79	24.99	8.23	12.17	10.99	5.85	0.8
	S	30.43	16.21	24.99	7.77	12.17	11.21	6.05	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	+0.22 H-0

NOTES:
1) GENERAL VIEW SHOWN IS OPTION C
2) INSIDE DIMENSION OF MALE AND OUTSIDE DIMENSION OF THE FEMALE CONNECTOR
3) REFER DRG: C-DSUB-0186 FOR PCB LAYOUT

"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	106-0074	GVJ	2006/06/08
H	108-0047	MRA	2008/03/25
J	109-0075	MRA	2009/05/14
K	111-0016	MRA	2010/09/02
L	ELX-I-20760	MP	2015/05/02

dr	MINI K VANDANATH	1999/03/20
engr	MITHUN PAUL	2015/05/02
chr	ALIAS BABU	2015/05/02
appd	BIJU K PAUL	2015/05/02

mat'l. code: –
surface: ISO 1302
tolerance: ISO 406 ISO 1101
tolerances unless otherwise specified
angles: 0°±2°
linear: .00±.06
projection
MM
scale 4:1
product family: D-SUB
title: D-SUB A/S CONNECTOR
(DP SERIES WITH ASSEMBLY OPTIONS)
dwg no: C-DSUB-0069
sheet 1 of 1
size: A3
type: Product Customer Drawing
sheet index: revision L; sheet 1
form: A3

FCIconnect.com
Copyright FCI