

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.	

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
D	SHELL SIZE	±0.38	±0.13	±0.13	±0.13	±0.38	F MAX	G ±0.25	±0.12
	A	B	C	D	E			H	

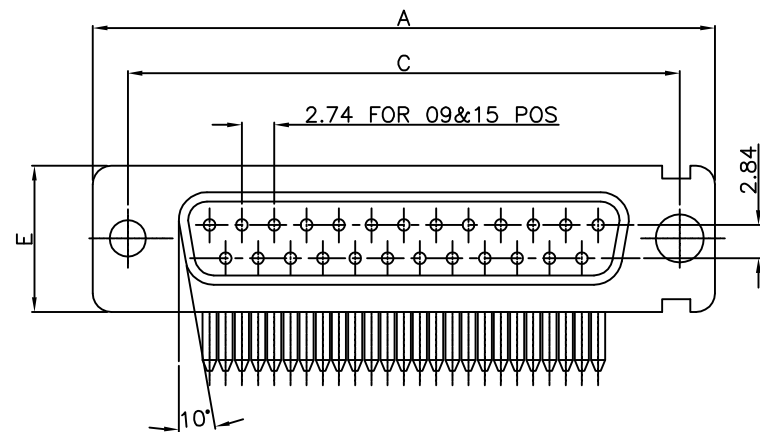
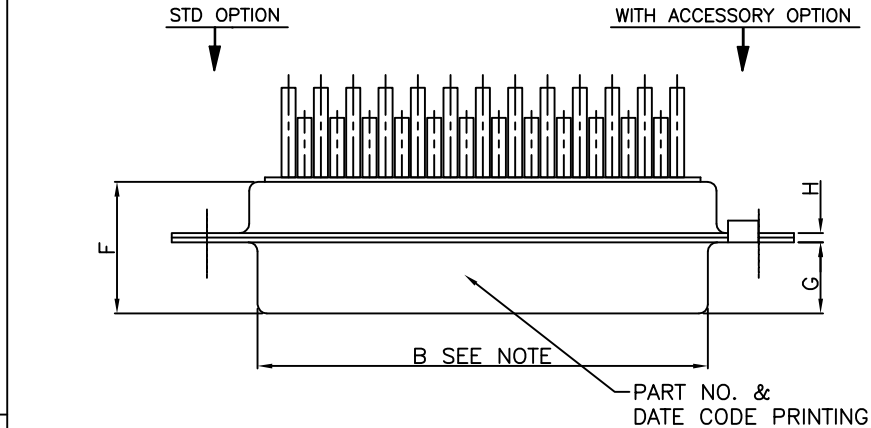
NOTES:

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

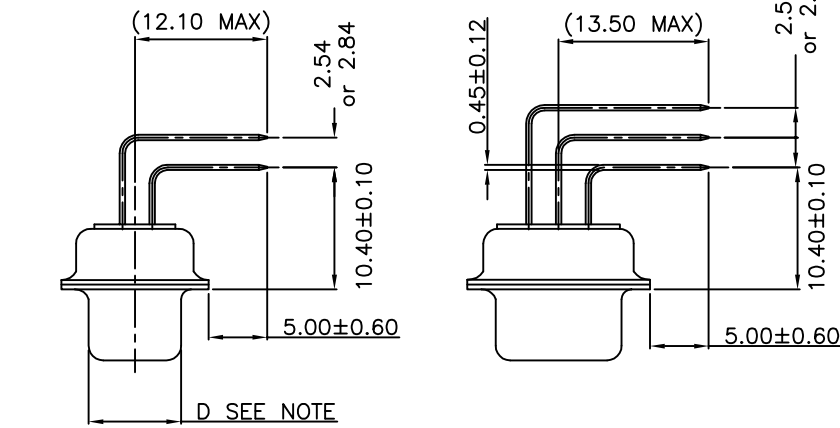
"This LF product meets European Union Directives and other country regulations as described in GS-47-0004."

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.

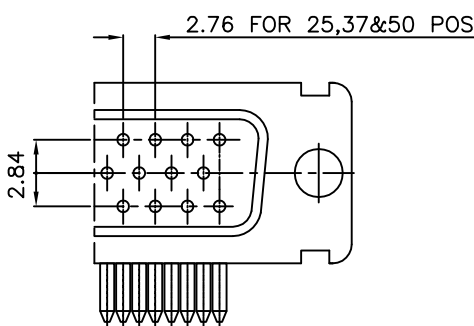
Packaging as per GS-14-920



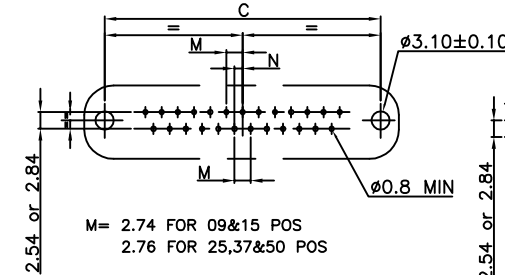
TECHNICAL SPECIFICATIONS



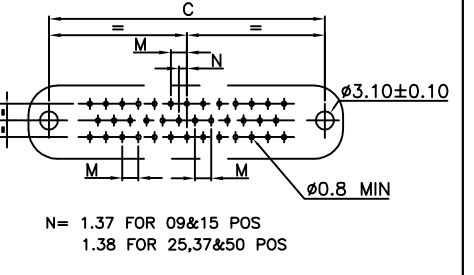
LAYOUT OF 50 POS. CONNECTOR



PCB DRILLING DETAIL - 09 TO 37 POS



PCB DRILLING DETAIL - 50 POS



SCALE 2:1

ORDERING INFORMATION

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)

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

LEAD FREE

SPECIAL CODES

DIMPLES

X-ON MALE CONNECTORS ONLY

SHELL PLATING

BLANK-ZINC

T-STD. TIN LEAD Over Cu

OPTIONS

BLANK - STANDARD

G - HARPOON

M - METAL BRACKET

C - WITHOUT BRACKET

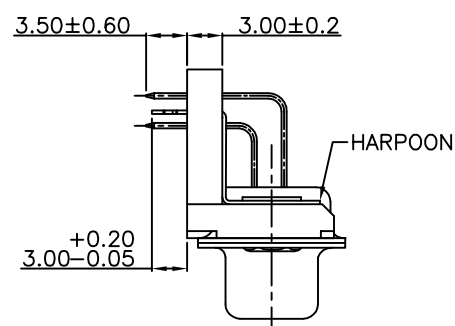
CONTACT PLATING

64 - 200 MATING CYCLES

65 - 500 MATING CYCLES

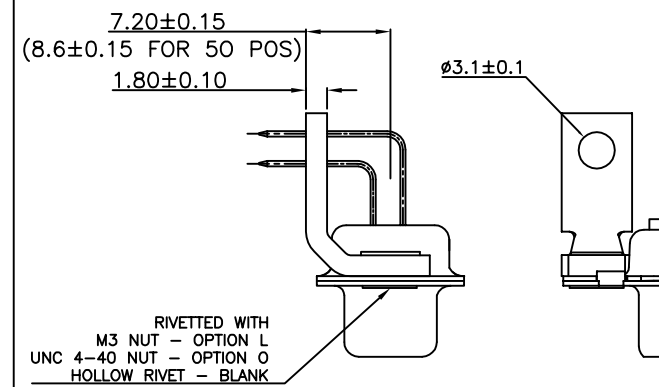
HARPOON WITH PLASTIC BRACKET

OPTION: - G



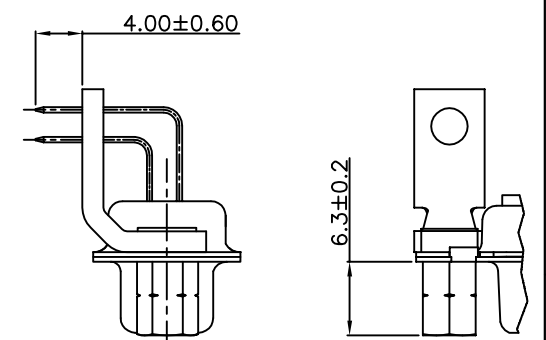
VIEW WITH RIVET & METAL BRACKET

OPTION: - L/O WITH M (METAL BRACKET)



VIEW WITH RIVETED FEMALE SCREW & METAL BRACKET

OPTION: - V WITH M (METAL BRACKET)



mat'l. code				surface	tolerance	projection	product family		
-				ISO 1302	ISO 406 ISO 1101	MM	D-SUB		
ltr	ecn no	dr	date	tolerances unless otherwise specified		MM	title		
G	I06-0074	GVJ	2006/06/08	angles	linear		D-SUB A/S CONNECTOR WITH FOOTPRINT 10.4 mm		
H	I08-0139	MRA	2008/10/13				(WITH ASSEMBLY OPTIONS)		
J	I09-0075	MRA	2009/05/14	0°±2°		scale 4:1			
K	I11-0003	MRA	2011/01/06	dr	MINI K VANDANATH	1999/03/20	dwg no		
L	ELX-I-15429	MP	2013/08/06	engr	GREGAR M	22-04-2020	sheet 1 of 1		
M	ELX-I-20760	MP	2015/05/02	chr	SREERAJ K R	22-04-2020	size		
N	ELX-I-36806	GM	22-04-2020	appd	SANOJ P K	22-04-2020	A3		
sheet		revision	N				type		
index		sheet	1				Product Customer Drawing		