



lfr	ec	no	dr	date	surface	tolerance	projection	product family
G	106	-0074	GVJ	2006/06/08	ISO 1302	ISO 406 ISO 1101		D-SUB
H	108	-0139	MRA	2008/10/13	tolerances unless otherwise specified			title
J	109	-0075	MRA	2009/05/14	linear	±0.1	MM	D-SUB A/S CONNECTOR WITH FOOTPRINT 10.4 mm
K	111	-0003	MRA	2011/01/08	0° ±2°	-	scale 4:1	(WITH ASSEMBLY OPTIONS)
L	ELX-I-15429	MP	2013/08/08	ENGR	MINI K VANDANATH	1999/03/20	dwg no	sheet 1 of 1 size
M	ELX-I-20760	MP	2015/05/02	chr	GREGAR M	22-04-2020	Amphenol	C-DSUB-0066
N	ELX-I-36806	GM	22-04-2020	ppd	SREERAJ K R	22-04-2020	FCI	Product Customer Drawing
Sheet	revision		N	SANJO P K		22-04-2020		
index	Sheet		1	N				

mat'l. code	ISO 1302	ISO 406	ISO 1101
	tolerances unless otherwise specified		
	angles	linear	±0.1
	0° ±2°	-	-
	MINI K VANDANATH	1999/03/20	
	GREGAR M	22-04-2020	
	SREERAJ K R	22-04-2020	
	SANOJ P K	22-04-2020	

VIEW WITH RIVETED FEMALE SCREW & METAL BRACKET
 OPTION: - V WITH M (METAL BRACKET)

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

HARPOON WITH PLASTIC BRACKET
 OPTION: - G

RIVETTED WITH
 M3 NUT - OPTION L
 UNC 4-40 NUT - OPTION O
 HOLLOW RIVET - BLANK

TERMINATION TYPE
 5- ANGLED SPILL 2.54mm BETWEEN ROWS
 8- ANGLED SPILL 2.84mm BETWEEN ROWS

CONTACTS PLATING
 64 - 200 MATING CYCLES
 65 - 500 MATING CYCLES

ORDERING INFORMATION

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

SHELL SIZE: E, A, B, C, D

OPTIONS: BLANK - STANDARD, V-RYTD 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

CONTACTS PLATING: 64 - 200 MATING CYCLES, 65 - 500 MATING CYCLES

TECHNICAL SPECIFICATIONS

SHELLS: TIN PLATED STEEL

CONTACTS DIA ON ACTIVE AREA: #1 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.

INSULATOR MATERIAL: SELF EXTINGUISHING THERMOPLASTIC - TO UL CLASS 94 VO

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.

NOTES:

- GENERAL VIEW SHOWN IS OPTION C
- 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

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

50	37	25	15	09	SHELL SIZE			
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
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
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
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
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	±0.13	±0.13	±0.13	±0.38	±0.13	±0.12	±0.12
A	B	C	D	E	F	MAX	G	H
							+0.25	