



TECHNICALS FEATURES

MATERIAL

INSULATOR : Special PPS (Polyphenylene Sulfide Fibreglass filled thermoplastic) UL 94-V0

- Radiation resistance
- No humidity absorption
- Oxygen free

Note : PPS characteristics are recognized for space applications

SIGNAL CONTACTS for PCB:

Male :

- **Contact area** : Copper alloy / Ni + Au 1µ
- **Contact tail** : Copper alloy / Ni + Au flash 0.1µ

FIXING HARDWARE :

- **Jackscrew** : Stainless steel

ELECTRICAL for LF Contacts

- **All contacts** : 3 A max. @ 25°C
2.2 A max. @ 85°C
- **Working voltage (sea level)** : Tested at 800 V DC
- **Proof voltage** : Tested at 1200 V DC
- **Contact resistance (initially)** : max. 10 mΩ
- **Insulation resistance** : 1000 MΩ min

MECHANICAL for LF Contacts

- **Mechanical operations** : 500 cycles min. up to 2500
- **Contact insertion and withdrawal force** : 2 N max. / 0.2 N min. per contact

ENVIRONMENTAL

- **Temperature range** : From -60°C to +260°C
- **Vibration severity** : 0.75mm, 10 g RMS 6 hours long random with superimposed sinusoid. No intermitencies measured when using an H.S.L.I. (High Speed Logic Interrupt) detector with a trip threshold of 2 ns.
- **Shock severity** : 100g for 6 ms
- **Solvent resistance** : HcFc 141 bMGX (ATOCHEM) solvent
- **Salt spray test** : 96 hrs
- **Humidity test** : 56 days @ 90% humidity



CONNECTOR SERIES 230 MALE

LF contacts number mm	Distance in mm between axes		Length in mm	LF contacts reference mark number			
	A	B		D	E	F	G
04	2	9	14	1	2	3	4
06	4	11	16	1	3	4	6
08	6	13	18	1	4	5	8
16	14	21	26	1	8	9	16

 www.nicomatic.com	2	6/01/23	E.A.	H.K	M.U.A.
	Iss	Date	Drawn	Checked	Approved
Item : Connector TMM 230 male straight on PCB, only 04, 06, 08, 16 LF contact, F22H, Assembly in Türkiye					

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Catalogue Reference : 231YnnF22H

	General tolerance ±0.2	Scale 2:1	Page 1/1
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