**TECHNICAL 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
  - 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
  - Working voltage (sea level):
    - 2.2 A max. @ 85°C
  - Proof voltage: Tested at 800 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

**Tools recommended**
- Screwdriver for standard nut C14743
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