Materials

- 1. Shell, steel, nickel plated
- 2. Pins, brass, 5 µ" gold and tin plating
- 3. Insulator, PBT, blue

Electrical

Rated voltage: 30 Vdc Rated current: 3 A Dielectric strength: 1 min @ 500 Vac Insulation resistance: 500 M Ω @ 500 Vdc Contact resistance: 50 m Ω or less

Mechanical

Insertion force: 3.5 kgf maximum

- Withdrawal force: 1.0 kgf minimum
- Durability: 1500 cycle minimum life, unloaded; less than 100 m Ω contact resistance, minimum 100 M Ω insulation resistance
- Terminal strength: 0.3 kgf in any direction without damage or looseness

Soldering

- Solderability: 75% minimum coverage when terminals dipped 2 mm in 245 ±5 °C solder bath for 3 ±0.5 seconds
- Solder bath durability: no deformation when immersed in 255 ± 5 °C up to surface of the board for 5 seconds or less
- Solder iron durability: no deformation when exposed to 350 $\pm 10~^\circ\text{C}$ for 3 ± 0.5 seconds

Environmental

Cold test: -25 ±3 °C for 48 hours without deformation Heat test: 70 ±2 °C for 48 hours without deformation Humidity test: 40 ±2 °C and humidity between 90 and 98 % for 48 hours without deformation

DESCRIPTION

Initial release

Operating range $-10 \sim 60 \degree C$

-10 ~ 60 °C

REVISION DATE

12/14/2015

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