Ratings

Voltage: 12 Vdc Current: 5 A

Operating Temperature Range -10° to 60° C

Materials

- 1. Insulator: PBT. black
- 2. Pin: copper alloy, nickel plated
- 3. Shell: brass, nickel plated
- 4. Spring contact: stainless steel, nickel plated
- 5. Spring contact collar: copper alloy, nickel plated
- Solder tab: brass, nickel plated
 Washer p/n 56-00001: cold rolled steel, nickel plated
- 8. Nut p/n 56-00000: brass. nickel plated

Electrical Requirements

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: 50 m Ω or less

Mechanical Requirements

Insertion force: 0.3-3 kgf

- Withdrawal force: 0.2-3 kgf
- Terminal strength: a static load of 150 gf shall be applied to the terminal for 15 seconds in any direction.
- Life cycle: 5000 mating cycles while maintaining less than 100 m Ω contact resistance, 50M Ω insulation resistance minimum, and dielectric strength of 500 Vac for 1 minute withstand voltage.

Soldering

- Solderability: 75% minimum coverage when terminals dipped 2mm in 245 \pm 5 °C solder bath for 3 \pm 0.5 seconds
- Solder bath durability: no deformation when immersed in 255 ±5 °C bath for 5 seconds or less
- Solder iron durability: no deformation when exposed to 350 ±10 °C for 3 ±0.5 seconds

Date:

8/5/2016

1/3/2017

Revision:

А

A1

Environmental Requirements 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, relative humidity 90-95% for 48 hours without deformation

Description:

Initial release

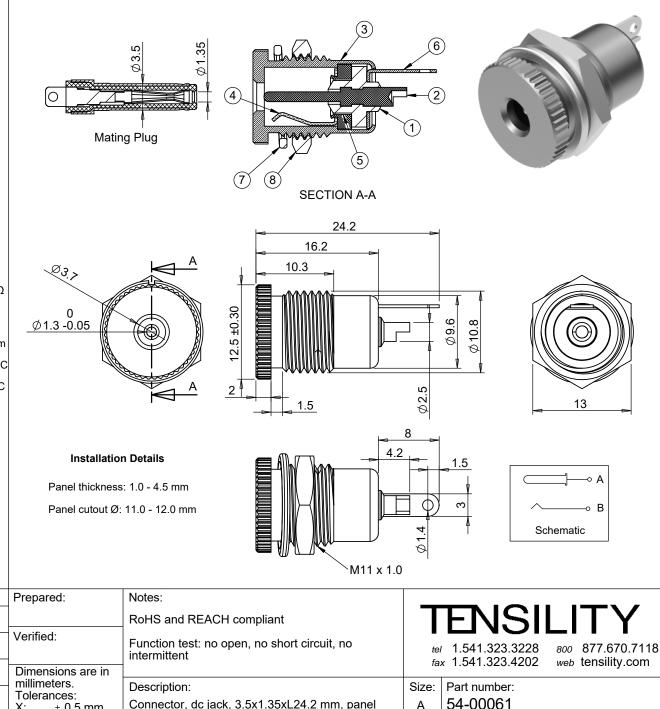
Updated materials list

X:

± 0.5 mm

X.X: ± 0.3 mm

X.XX: ± 0.05 mm



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2

Scale: 2:1

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Sheet 1 of 1

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Connector, dc jack, 3.5x1.35xL24.2 mm, panel mount, threaded, nut and washer, brass, nickel

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