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
- 6. Solder tab: brass, nickel plated
- 7. 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 M Ω @ 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 ± 5 °C solder bath for 3 ± 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

Environmental Requirements

Date:

8/05/2016

1/03/2017

8/25/2017

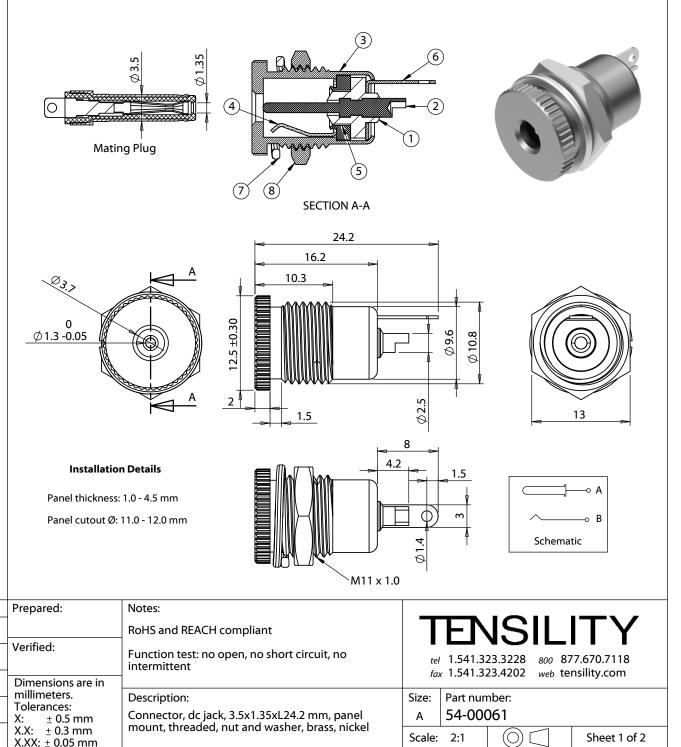
Revision:

А

A1

A2

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



2

1

5

Description:

Initial release

Updated notes

Updated materials list

3

