Operating Temperature Range

-25~105 °C, relative humidity of 85% or less

Materials

- (1) Insulator: Nylon, black (UL94-V0)
- (2) Sleeve contact: C3604 phosphor bronze, 2 μ m nickel plated
- (3) Shell: C2700 brass, 2 µm nickel plated
- (4) Tip contact: C5191 phosphor bronze, 2 µm nickel plated
- (5) Ring contact: C5191 phosphor bronze, 2 µm nickel plated
- (6) Ring contact: C5191 phosphor bronze, 1 µm gold 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: 0.3-4 kgf Withdrawal force: 0.3-4 kgf Life cycle: 5000 mating cycles while maintaining 0.3 kgf min. insertion force, 0.3 kgf min. withdrawal force and less than $60 \text{ m}\Omega$ contact resistance.

Environmental Requirements

Date:

5/19/2020

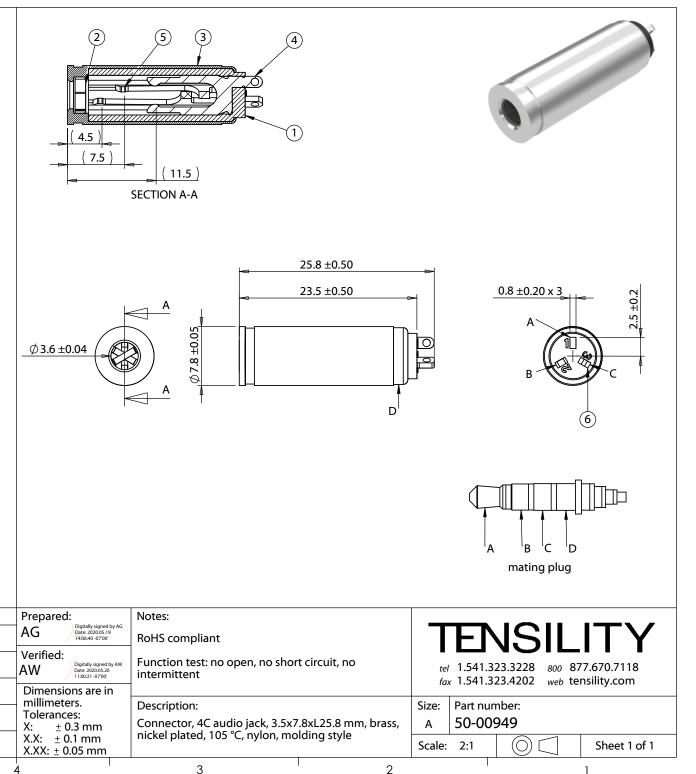
Revision:

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Cold test: -25 ±3 °C for 48 hours without deformation Heat test: 105 °C, relative humidity 70-85% for 96 hours without deformation

Humidity test: 40 °C, relative humidity 90-100% for 96 hours without deformation

Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 80 m Ω .



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Description:

Initial release

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