Operating Temperature Range

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

Materials

- 1) Tip: C3604 brass, nickel plated
- (2) Ring: C3604 brass, nickel plated
- (2) Ring: C3604 brass, nickel plated
- (3) Sleeve: C3604 brass, nickel plated
- (4) Insulator: Nylon, black

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: 0.3-4 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 50 m Ω contact resistance.

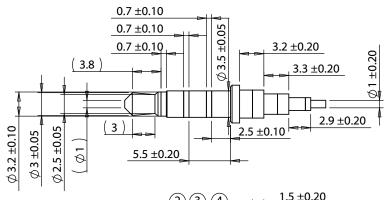
Environmental Requirements

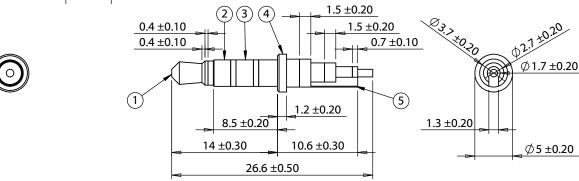
Cold test: -25 ± 3 °C for 48 hours without deformation Heat test: 105 °C, relative humidity 70-85% for 96 hours without deformation

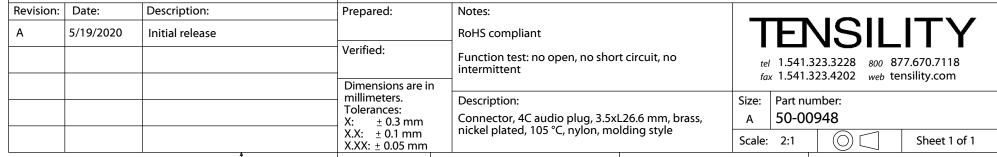
Humidity test: 40 °C, relative humidity 90-100% for 96 hours without deformation

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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