

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
- ③ Sleeve: C3604 brass, nickel plated
- ④ Insulator: Nylon, black

Electrical Requirements

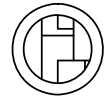
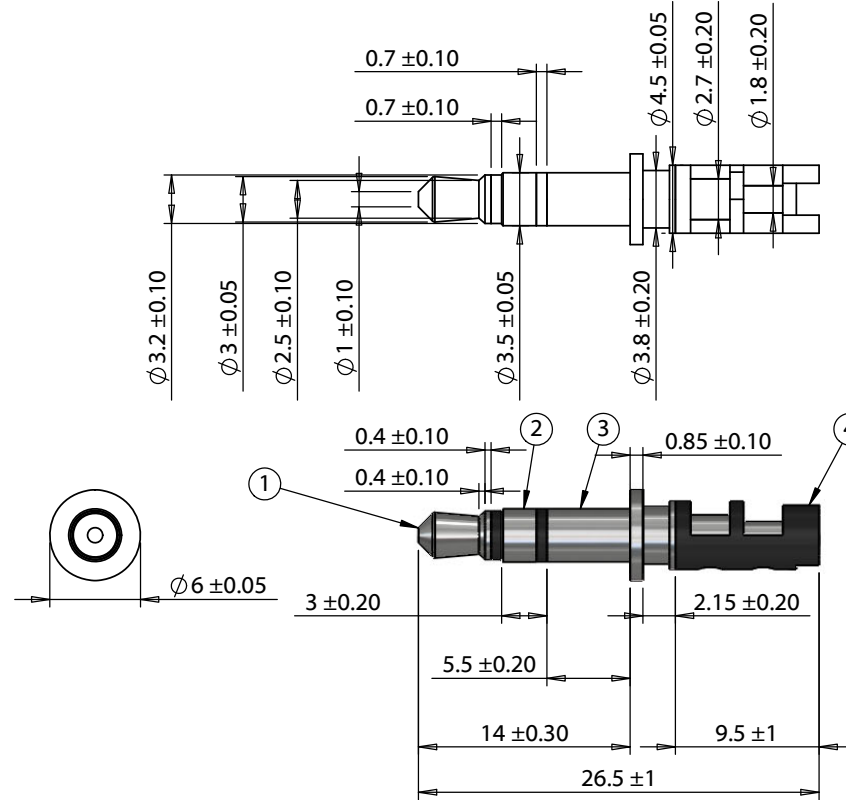
Dielectric strength: 1 min @ 500 Vac
 Insulation resistance: 100 MΩ @ 500 Vdc
 Contact resistance: 50 mΩ or less

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 mΩ 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 mΩ.



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	5/18/2020	Initial release	AG <small>Digitally signed by AG Date: 2020.05.18 15:26:25 -07'00'</small>	RoHS compliant	
			Verified:	Function test: no open, no short circuit, no intermittent	Size: Part number:
			AW <small>Digitally signed by AW Date: 2020.05.20 10:51:44 -07'00'</small>	Description:	A 50-00946
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Connector, stereo plug, 3.5xL26.5 mm, brass, nickel plated, 105 °C, nylon, molding style	Scale: 2:1
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