

**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**

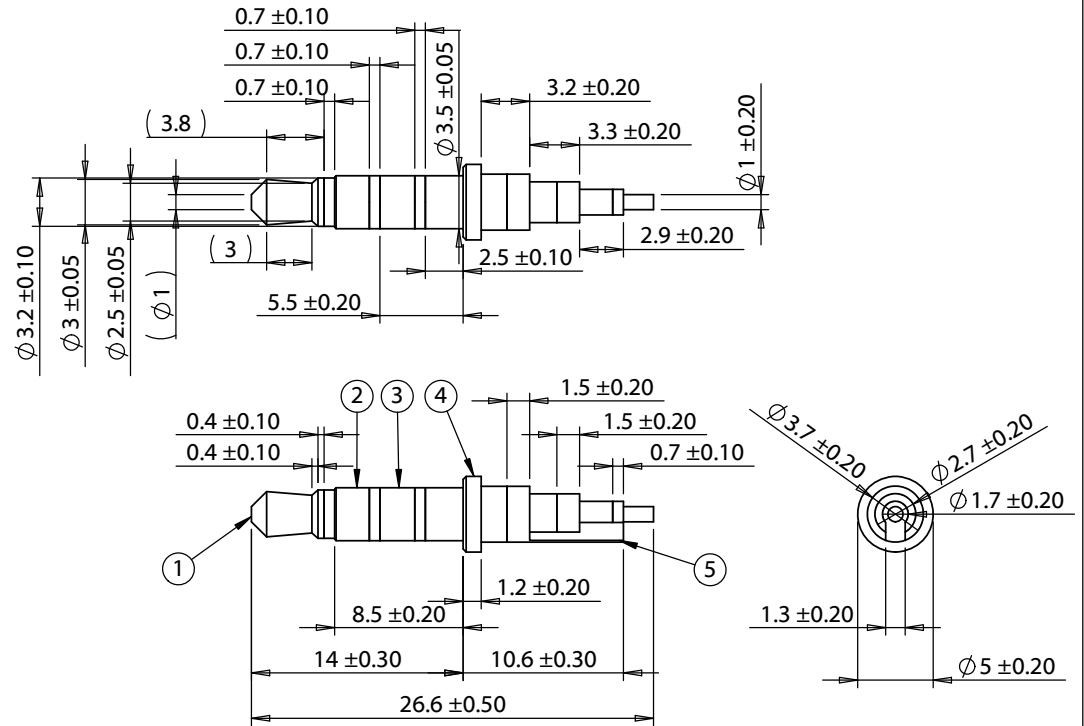
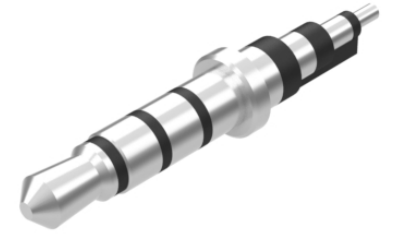
Dielectric strength: 1 min @ 500 Vac  
 Insulation resistance: 100 MΩ @ 500 Vdc  
 Contact resistance: 50 mΩ or less

**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:
A	5/19/2020	Initial release

Prepared: AG  
Digitally signed by AG  
 Date: 2020.05.19 13:58:23  
 +07'00'

Verified: AW  
Digitally signed by AW  
 Date: 2020.05.20  
 10:55:41 -07'00'

Dimensions are in millimeters.  
 Tolerances:  
 X: ± 0.3 mm  
 X.X: ± 0.1 mm  
 X.XX: ± 0.05 mm

Notes:  
 RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:  
 Connector, 4C audio plug, 3.5xL26.6 mm, brass, nickel plated, 105 °C, nylon, molding style

**TENSILITY**

tel 1.541.323.3228 800 877.670.7118  
 fax 1.541.323.4202 web tensility.com

Size: A Part number: 50-00948

Scale: 2:1 Sheet 1 of 1