Materials
1. Tip, C3604 brass, gold plated
2. Ring, C2680 brass, gold plated
3. Sleeve, C3604 brass, gold plated
4. Insulator, POM, black

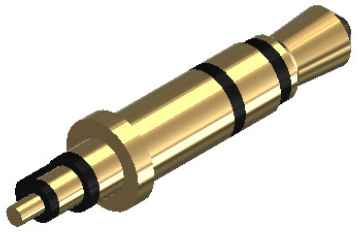
Electrical requirements
Dielectric strength: 1 min @ 500 Vac and 2mA
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 50 mΩ or less

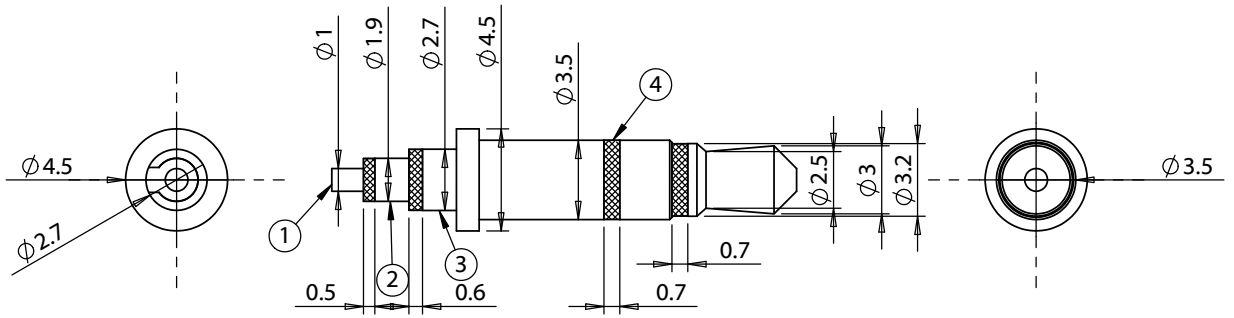
Mechanical requirements
Durability: 5000 mating cycles while maintaining normal operation and < 50mΩ
Bending strength: ≥ 3.2 kg
Breaking strength: ≥ 6.8 kg

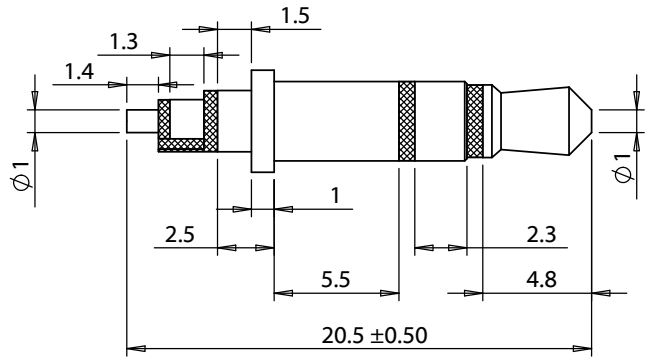
Environmental tests
Salt spray test: 5% NaCl spray at 1ml/80cm²/h, chamber temp 46.5°C, spray temp 35°C, 87% humidity, 48 hours. No oxidation.

Cold resistance: -25°C±3 for 2 hours with no degradation.
Heat resistance: 85°C±3 for 2 hours with no degradation.

Operating range
-30 to 85 °C







REVISION	DATE	DESCRIPTION
A	12/08/2015	Initial release

PREPARED
GL 2015.12.08 13:45:37 -08'00'

VERIFIED
AG 2015.12.08 15:29:23 -08'00'

DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
Up to 1.0: ± 0.1 mm
1.0 to 10.0: ± 0.2 mm
Over 10.0: ± 0.3 mm

NOTES
RoHS and REACH compliant

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

DESCRIPTION:
Connector, stereo plug, 3.5xL20.5 mm, brass, gold plated, molding style

TENSILITY
20802 Sockeye Place #130
Bend, OR 97701 USA
tel 541.323.3228 *fax* 541.323.4202
800 877.670.7118 www.tensility.com

SIZE	PART NUMBER
A	**50-00502**

SCALE: 5:1	WEIGHT:	SHEET 1 OF 1

5 4 3 2 1

Unikeyic Electronics

Global Electronic Components Distributor

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