Materials
1. C3604 brass, nickel plated
2. C2680 brass, nickel plated
3. C2680 brass, nickel plated
4. C3604 brass, nickel plated
5. POM, black
6. SK4 steel, nickel plated

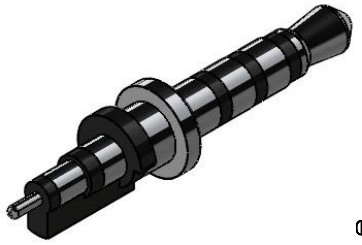
Electrical requirements
Dielectric strength: 1 min @ 500 Vac and 2mA
Insulation resistance: 100 MΩ @ 100 Vdc
Contact resistance: 50 mΩ or less

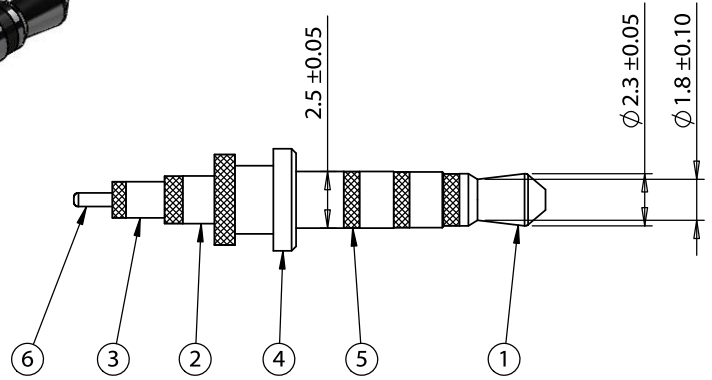
Mechanical requirements
Durability: 5000 mating cycles while maintaining normal operation and < 50mΩ
Bending strength: ≥ 1.5 kg
Breaking strength: ≥ 3.0 kg

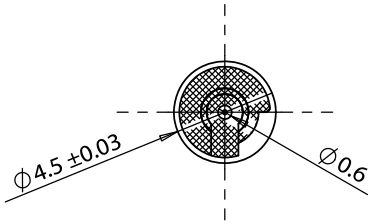
Environmental tests
Salt spray test: 5% NaCl spray at 1ml/80cm²/h, chamber temp 46.5°C, spray temp 35°C, 87% humidity, 48 hours. No oxidation.

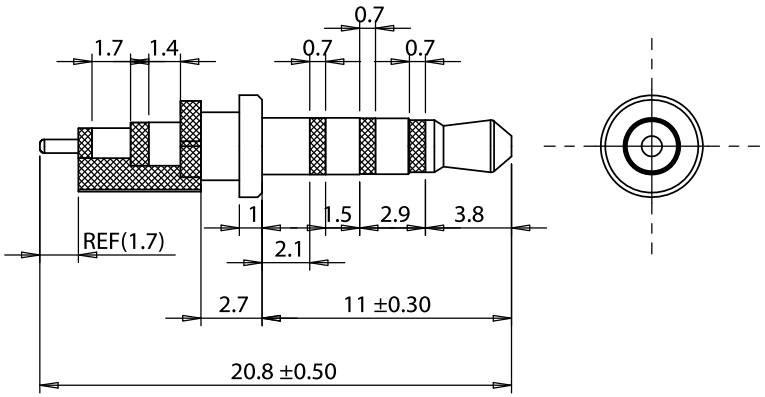
Cold resistance: -25°C±3 for 2 hours with no degradation.
Heat resistance: 85°C±3 for 2 hours with no degradation.

Operating range
-30 to 85 °C









REVISION	DATE	DESCRIPTION
A	3/6/14	Initial release

PREPARED:
JM
2014.03.06 11:17:32 -08'00'

VERIFIED:
LA
Digitally signed by LA
DN: cn=LA, o=Tensility, ou, email=QA0001@tensility.com, c=US
Date: 2014.03.06 12:27:26 -08'00'

DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

NOTES
RoHS compliant

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

DESCRIPTION:
Connector, 4C audio plug, 2.5xL20.8 mm, brass, nickel 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	**50-00401**

SCALE: 5:1	WEIGHT:	SHEET 1 OF 1

5 4 3 2 1