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: $50 \text{ m}\Omega$ or less

Mechanical requirements

Durability: 5000 mating cycles while maintaining normal operation and $<50 m\Omega$

Bending strength: ≥ 3.2 kg Breaking strength: ≥ 6.8 kg

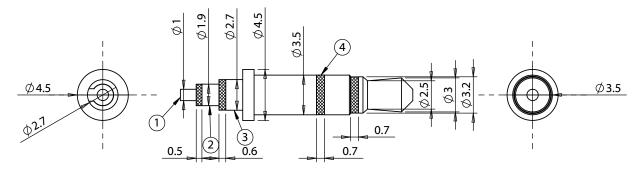
Environmental tests

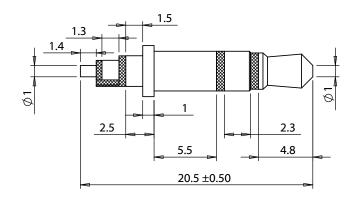
Salt spray test: 5% NaCl spray at 1ml/80cm²/h, chamber temp 46.5°C, spray temp 35°C, 87% humidity, 48 hours. No oxidation.

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 A	DATE 12/08/2015	DESCRIPTION Initial release	PREPARED	NOTES RoHS and REACH compliant	20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com				
			VERIFIED DIMENSIONS ARE IN	Function test: no open, no short circuit, no intermittent					
			MILLIMETERS TOLERANCES: Up to 1.0: ± 0.1 mm 1.0 to 10.0: ± 0.2 mm Over 10.0: ± 0.3 mm	DESCRIPTION: Connector, stereo plug, 3.5xL20.5 mm, brass, gold plated, molding style	SIZE A SCALE	50-0	PART NUMBER 50-00502 5:1 WEIGHT: SHEET 1 OF 1		
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