Materials

- 1. C3604 brass, nickel plated
- 2. C2680 brass, nickel plated
- 3. C3604 brass, nickel plated 4. POM, white

Electrical requirements

Dielectric strength: 1 min @ 500 Vac and 2mA Insulation resistance: 100 M Ω @ 500 Vdc Contact resistance: $50 \text{ m}\Omega$ or less

Mechanical requirements

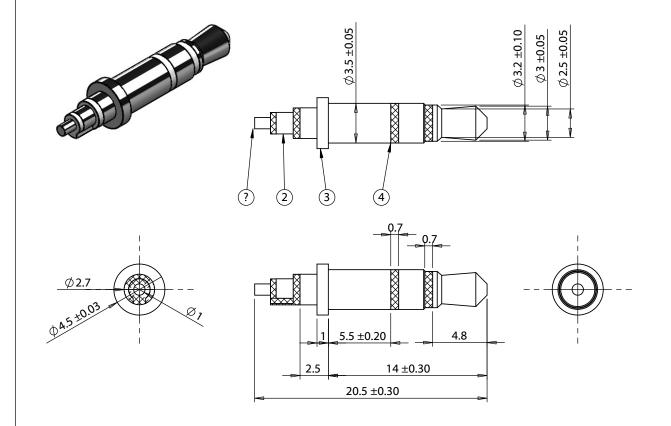
Durability: 5000 mating cycles while maintaining normal operation and $< 50 \text{m}\tilde{\Omega}$ Bending strength: ≥ 3.2 kg Breaking strength: ≥ 6.8 kg

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: $-25^{\circ}C\pm3$ for 2 hours with no degradation. Heat resistance: $85^{\circ}C\pm3$ for 2 hours with no degradation.

Operating range -30 to 85 °C



REVISION A	3/10/14	DESCRIPTION Initial release	PREPARED:	NOTES ROHS and REACH compliant Function test: no open, no short circuit, no INT DESCRIPTION: Connector, stereo plug, 3.5xL20.5 mm, brass, nickel plated, white, molding style		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						
			MILLIMETERS TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm			А	SIZE PART NUMBER A 50-00402 SCALE: 3:1 WEIGHT: SHEET 1 OF 1		
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