Materials

- 1. C3604 brass, nickel plated
- 2. C3604 brass, nickel plated
- 3. POM, black

Electrical requirements

Dielectric strength: 1 min @ 500 Vac and 2mA Insulation resistance: 100 M Ω @ 500 Vdc Contact resistance: 50 m Ω or less

Mechanical requirements

Durability: 5000 mating cycles while maintaining normal operation and < 50mΩ

Bending strength: ≥ 3.2 kg

Breaking strength: ≥ 6.8 kg

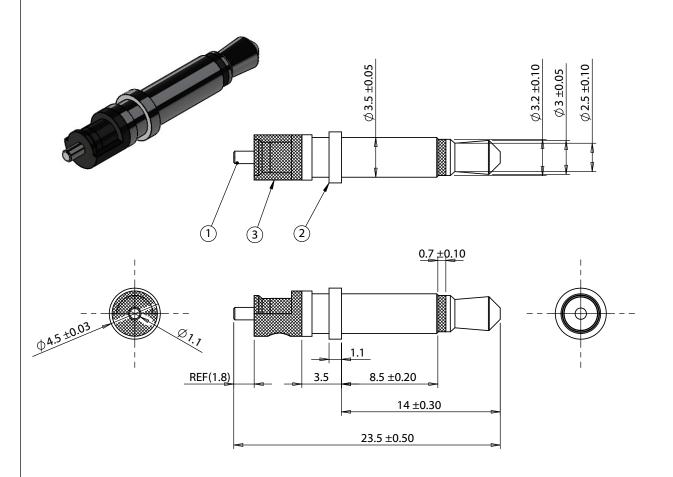
Environmental tests

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 A	3/6/14	DESCRIPTION Initial release	PREPARED:	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 SIZE PART NUMBER A 50-00399 SCALE: 3:1 WEIGHT: SHEET 1 OF 1				
			VERIFIED: DIMENSIONS ARE IN	DESCRIPTION: Connector, mono plug, 3.5xL23.5 mm, brass, nickel plated, molding style					
			MILLIMETERS TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm						

5 4 2