Materials

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

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

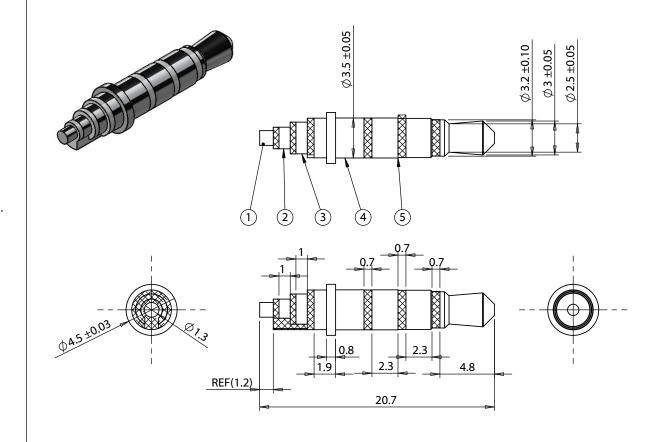
Salt spray test: 5% NaCl spray at 1ml/80cm²/h, chamber temp 46.5°C, spray temp 35°C, 87% humidity, 48 hours. No oxidation.

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

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Operating range

-30 to 85 °C



REVISION A	3/6/14	DESCRIPTION Initial release	PREPARED:	NOTES RoHS and REACH compliant	INT	TENSILITY			
			VERIFIED: DIMENSIONS ARE IN	Function test: no open, no short circuit, no INT		20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com			
			MILLIMETERS TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm	DESCRIPTION: Connector, 4C stereo plug, 3.5xL20.7 mm, brass, nickel plated, white, molding style		SIZE PART NUMBER A 50-00403			
			X.XX: ± 0.05 mm			SCALE: 5:1		WEIGHT:	SHEET 1 OF 1

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