Materials

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

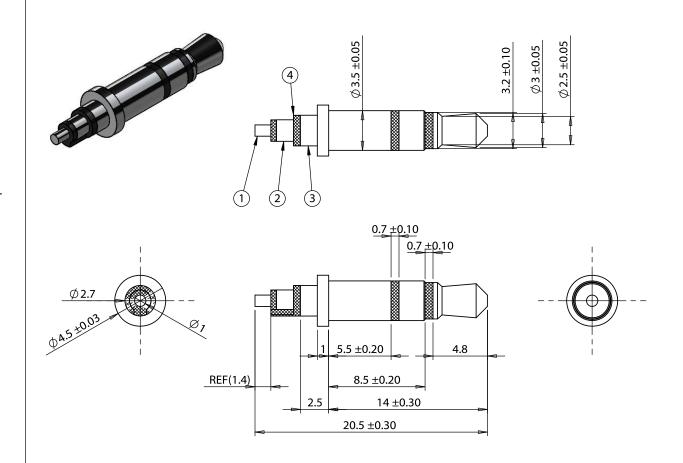
Durability: 5000 mating cycles while maintaining normal operation and $< 50 \text{m}\tilde{\Omega}$ Bending strength: ≥ 3.2 kg Breaking strength: ≥ 6.8 kg

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° 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	3/10/14	DESCRIPTION Initial release	PREPARED: JM 2014.03.10 09:59:46 -07'00'	NOTES RoHS compliant		T	E	NSIL	_ITY
			VERIFIED: LA Distribution directly of A concluded from the part of the concluded from the part of the concluded from the conc	Function test: no open, no shor	20802 Sockeye Place #130 Bend, OR 97701 USA te/ 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com				
				DESCRIPTION: Connector, stereo plug, 3.5xL20.5 mm, brass, nickel plated, molding style		SIZE PART NUMBER A 50-00396 SCALE: 3:1 WEIGHT: SHEET 1 OF 1			
		5	4	3	2	1		ľ	1