

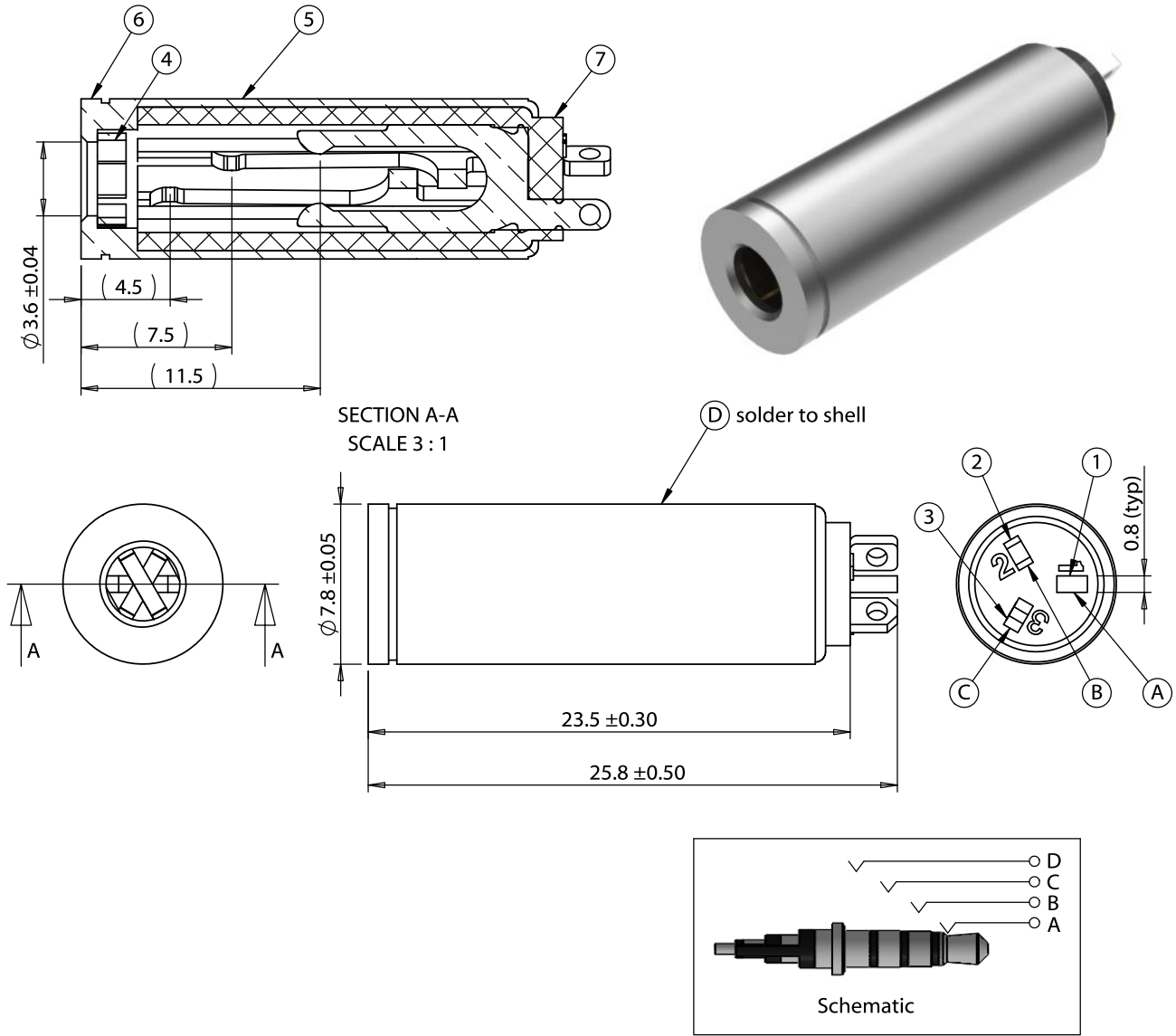
Operating Temperature Range
-25° to 70° C , relative humidity of 85% or less

- Materials**
- 1. Tip contact: C5191 phosphor bronze, 2 µm nickel plated
 - 2. Ring contact: C5191 phosphor bronze, 2 µm nickel plated
 - 3. Ring contact: C5191 phosphor bronze, 1 µ" gold plated
 - 4. Sleeve contact: C5191 phosphor bronze, 2 µm nickel plated
 - 5. Shell: C2700 brass, 2 µm nickel plated
 - 6. Top head: C3604 brass, 2 µm nickel plated
 - 7. Insulator: POM, black

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 50 mΩ or less

Mechanical Requirements
Insertion force: 0.4-4 kgf
Withdrawal force: 0.4-4 kgf
Life cycle: 5000 mating cycles while maintaining 0.3 kgf min.
insertion force, 0.3 kgf min. withdrawal force and less than
60 mΩ contact resistance.

Environmental Requirements
Heat test: 70 °C, relative humidity 70-85% for 96 hours
without deformation
Humidity test: 40 °C, relative humidity 90-100% for 96 hours
without deformation
Salt spray test: 35±2 °C, relative humidity 90-95%, 5% NaCl
mist for 24 hrs. Wash parts after test. Maintain mechanical
requirements and a contact resistance of less than 100 mΩ.



Revision:	Date:	Description:	Prepared: GL 2016.08.15 15:40:27 -07'00'	Notes: RoHS compliant	<div>TENSILITY</div> <div>tel 1.541.323.3228 800 877.670.7118</div> <div>fax 1.541.323.4202 web tensility.com</div>
A	9/4/2009	Initial release	Verified: PS Digitally signed by PS Date: 2016.08.15 17:00:37 -07'00'	Function test: no open, no short circuit, no intermittent	
A1	5/7/2012	Updated drawing	Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Connector, 4C audio jack, 3.5x7.8xL25.8 mm, brass, nickel plated, molding style	
A2	3/1/2013	Corrected description			
					Size: A
					Part number: 50-00041
					Scale: 5:1
					Sheet 1 of 1