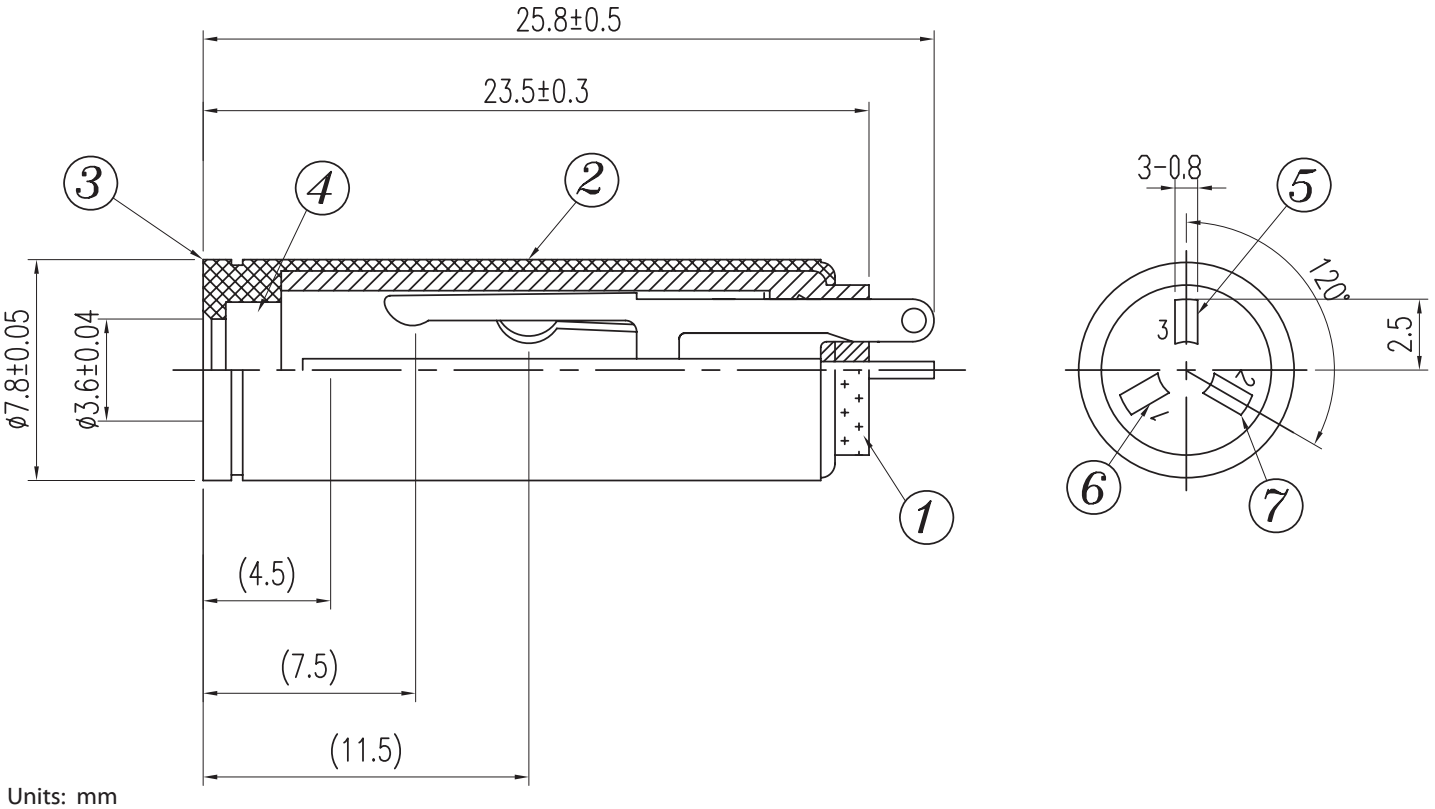
Materials:

1	POM, black
2	brass, nickel-plated, 2µm min.
3	brass, nickel-plated, 2µm min.
4	phosphor-bronze, nickel-plated, 2µm min.
5	phosphor-bronze, gold-plated, 1µm min.
6	phosphor-bronze, nickel-plated, 2µm min.
7	phosphor-bronze, nickel-plated, 2µm min.

Notes:
RoHS compliant

Mechanical drawing:



Units: mm

tolerance X: ±0.5 mm .X: ±0.3 mm .XX: ±0.05 mm
applicable unless otherwise indicated in specification or on drawings

Initial	Date

Materials:

insulator	POM, black
metal head	brass C3604
terminals	P-bronze C5191
outer sleeve	brass C2700

Electrical:

dielectric strength	500 Vac, 1 minute
insulation resistance	500 Vdc / 100 MOhms
contact resistance	50 mOhms or less between plug and jack

Mechanical:

insertion force	0.4 ~ 4 kgf when mating with a standard plug
extraction force	0.4 ~ 4 kgf when mating with a standard plug
durability	meets specifications below after 5000 cycles; insertion force: 0.3~4 kgf; withdrawal force: 0.3~4 kgf; contact resistance: 60 mOhms or less between plug and jack

Environmental test:
damp test

test conditions	40°C, relative humidity 90-100%, 96 hours then cool to ambient, 2 hours at ambient conditions
requirements	dielectric strength: 500 Vac at 1 minute; insulation resistance: 500 Vdc/50 MOhms min.; contact resistance: 100 mOhms max.

dry test

test conditions	70°C, relative humidity 70-85%, 96 hours then cool to ambient, 2 hours at ambient conditions
requirements	no deformation; contact resistance: 100 mOhms max.

salt spray test

test conditions	5% NaCl salt mist. 35 ± 2°C, relative humidity 90-95%, 24 hours; parts washed after testing
requirements	electrical and mechanical specifications; contact resistance: 100 mOhms max.

Environmental test:
damp test

temperature	-25°C to +70°C
humidity	85% or less

Revision notes:

Rev	Date	Description
A	September 4, 2009	initial release
A1	May 7, 2012	updated drawing

Specification Approval

Spec sign-off verifies that you have reviewed the entire specification, tested a sample of the product, and confirm that it meets your requirements. This specification reflects the part as it will be ordered. Orders will not be processed until the specification pages have been initialed and the approval page has been signed. This specification is confidential and is not to be transmitted without prior approval from Tensility.

Signature _____ Title _____

Name _____ Date _____

Company _____ Branch _____