Ratings
Voltage: 20 Vdc
Current: 10 A

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

Materials
① Insulator: Nylon, black
② Pin: C3604 brass, 1 μm nickel plated
③ Shell: C3604 brass, 1 μm nickel plated
④ Spring contact: C5191 phosphor bronze, 1 μm nickel plated

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
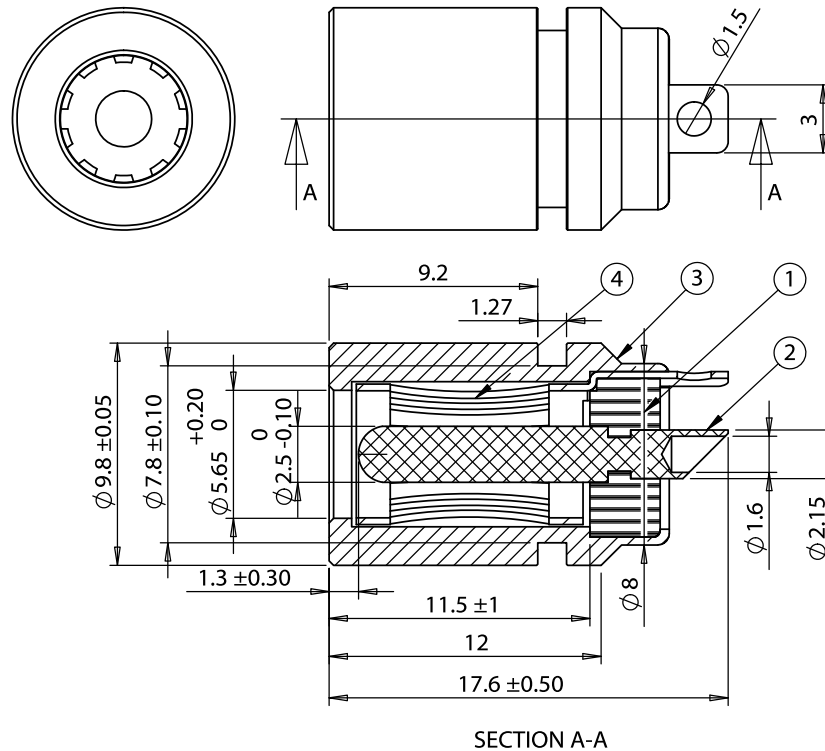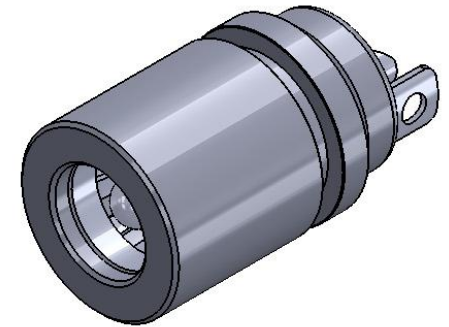Contact resistance: 30 mΩ or less

Mechanical Requirements
Insertion force: 0.3-3 kgf
Withdrawal force: 0.3-3 kgf
Life cycle: 5000 mating cycles while maintaining 0.3 kgf min. insertion force, 0.2 kgf min. withdrawal force and less than 100 mΩ contact resistance.

Environmental Requirements
Cold test: -25 ±3 °C for 48 hours without deformation
Heat test: 70 °C, relative humidity 70-85% for 96 hours without deformation
    Contact resistance: 100 mΩ or less
    Insulation resistance: 50 MΩ @ 500 Vdc 1 min
Humidity test: 40 °C, relative humidity 90-100% for 96 hours
    Dielectric strength: 1 min @ 500 Vac
    Insulation resistance: 50 MΩ @ 500 Vdc 1 min
    Contact resistance: 100 mΩ or less
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 80 mΩ.

SECTION A-A

Revision:	Date:	Description:
A	3/24/2016	initial release
A1	3/25/2016	Revise groove location
A2	4/11/2016	Modified specs

Notes:

RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:
Connector, dc jack, 5.5x2.5xL17.6 mm, molding style, spring contacts. solder tab

TENSILITY

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Size:	Part number:
A	50-00534

Scale: 3:1

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