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

Materials
1. Tip contact: CS191 phosphor bronze, 2 μm nickel plated
2. Ring contact: CS191 phosphor bronze, 2 μm nickel plated
3. Ring contact: CS191 phosphor bronze, 1 μm gold plated
4. Sleeve contact: CS191 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: 0.44 kgf
Withdrawal force: 0.44 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.

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
XX: ± 0.3 mm
XXX: ± 0.05 mm

Description:
Connector, 4C audio jack, 3.5x7.8xL25.8 mm, brass,
nickel plated, molding style

Notes:
RoHS compliant
Function test: no open, no short circuit, no
intermittent

Revision: Date: Description:
A 9/4/2009 Initial release
A1 5/7/2012 Updated drawing
A2 3/1/2013 Corrected description

Prepared: GL
2016.08.15 15:40:27 -07'00"

Verified: PS

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