Operating Temperature Range
$-25 \sim 105^{\circ} \mathrm{C}$, relative humidity of $85 \%$ or less

## Materials

(1) Tip: C3604 brass, nickel plated
(2) Ring: C3604 brass, nickel plated
(2) Ring: C3604 brass, nickel plated
(3) Sleeve: C3604 brass, nickel plated
(4) Insulator: Nylon, black

## Electrical Requirements

Dielectric strength: 1 min @ 500 Vac
Insulation resistance: $100 \mathrm{M} \Omega @ 500 \mathrm{Vdc}$
Contact resistance: $50 \mathrm{~m} \mathrm{\Omega}$ or less

## Mechanical Requirements

Insertion force: 0.3-4 kgf
Withdrawal force: 0.3-4 kgf
Life cycle: 5000 mating cycles while maintaining 0.3 kgf min insertion force, 0.3 kgf min . withdrawal force and less than $50 \mathrm{~m} \Omega$ contact resistance.

## Environmental Requirements

Cold test: $-25 \pm 3^{\circ} \mathrm{C}$ for 48 hours without deformation
Heat test: $105^{\circ} \mathrm{C}$, relative humidity $70-85 \%$ for 96 hours
without deformation
Humidity test: $40^{\circ} \mathrm{C}$, relative humidity $90-100 \%$ for 96 hours without deformation
Salt spray test: $35^{\circ} \mathrm{C}$, relative humidity $90-95 \%, 5 \% \mathrm{NaCl}$ mist for 24 hrs . Wash parts after test Maintain mechanical requirements and a contact resistance of less than $80 \mathrm{~m} \Omega$.


## Notes:

RoHS compliant
function test: no open, no short circuit, no intermittent

## Description:

Connector, 4C audio plug, $3.5 x L 26.6 \mathrm{~mm}$, brass, nickel plated, $105^{\circ} \mathrm{C}$, nylon, molding style

## TENSILITY

tel 1.541.323.3228 $800 \quad 877.670 .7118$
fax 1.541.323.4202 web tensility.com

| Size: <br> A | Part number: <br> $50-00948$ |  |
| :---: | :---: | :---: | :---: |
| Scale: $2: 1$ | $\square$ | Sheet 1 of 1 |

