

1. Brass, nickel plating, 1 μ minimum
2. Nylon PA46, UL 94 V-0, black

Dielectric strength: 1 min @ 250 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 50 mΩ or less

Insertion force: 0.3 ~ 4 kgf
Withdrawal force: 0.3 ~ 4 kgf
Durability: 5000 mating cycles while maintaining insertion force of 0.3 ~ 4 kg; withdrawal force of 0.3 ~ 4 kgf; contact resistance of 50mΩ or less.

Environmental tests
Damp test: 40 °C, RH 90-100% for 96 hrs. Cool to ambient and recover for 2 hours. Maintain dielectric strength of 500 Vac for 1 min, insulation resistance of 50 MΩ @ 500 Vdc minimum.

Dry test: 70 °C, RH 70-85% for 96 hrs. Cool to ambient and recover for 2 hours. Maintain contact resistance of 100 mΩ or less with no looseness or deformation.

Salt spray test: 35 ± 2 °C, RH 90-95%, 5% NaCl mist for 24 hrs.
Wash parts after test. Maintain mechanical requirements
and a contact resistance of less than 100 mΩ.

Solderability: 90% minimum coverage when terminals dipped 2mm in 260 \pm 5 $^{\circ}$ C solder bath for 3 \pm 0.5 seconds
Solder bath durability: no deformation when immersed in 255 \pm 5 $^{\circ}$ C up to surface of the board for 5 seconds or less
Solder iron durability: no deformation when exposed to 350 \pm 10 $^{\circ}$ C for 5 seconds or less

-25 to 70 °C



Revision:	Date:	Description:	Prepared:	Notes:	<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	7/9/2015	Initial release	Verified:	RoHS compliant				
A1	10/27/2015	Added PCB dimensioning and wiring information	Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, audio plug, 4C, 3.5xL26.6 mm, thru hole, 90°, nickel plated	Size:	Part number:		
					A	54-00035		
					Scale:	2:1		