

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Operating Temperature Range

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

Materials

- 1. Tip contact: C5191 phosphor bronze, 2 µm nickel plated 2. Ring contact: C5191 phosphor bronze, 2 µm nickel plated
- 3. Ring contact: C5191 phosphor bronze, 1 µ" gold plated
- 4. Sleeve contact: C5191 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: $50 \text{ m}\Omega$ or less

Mechanical Requirements

Insertion force: 0.4-4 kgf Withdrawal force: 0.4-4 kgf

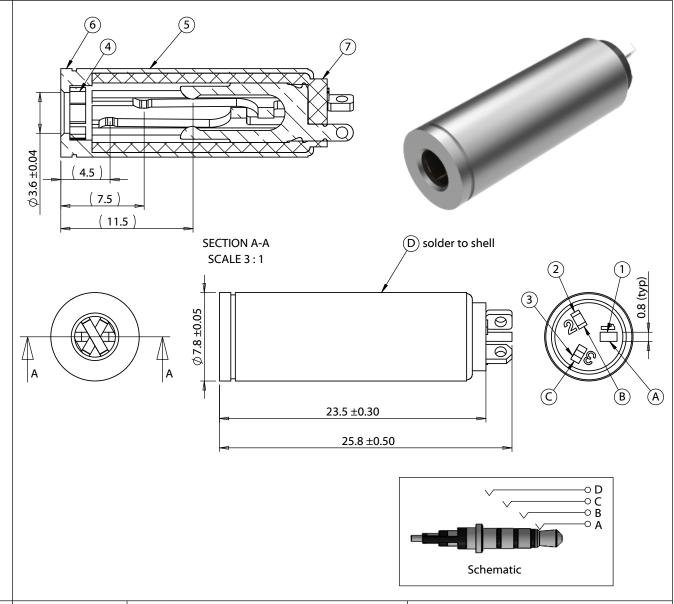
Life cycle: 5000 mating cycles while maintaining 0.3 kgf min. insertion force, 0.3 kgf min. withdrawal force and less than $60 \text{ m}\Omega$ contact resistance.

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 m Ω .



Revision:	Date:	Description:	Prepared:	Notes:					
Α	9/4/2009	Initial release	2016.08.15 15:40:27 -07'00'	RoHS and REACH compliant			NSIL	ITY	
A1	5/7/2012	Updated drawing	Verified: PS Date: 2016.08.15 17:00:37 -07:00'	Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118				
A2	3/1/2013	Corrected description	Dimensions are in			fax 1.541.323.4202 web tensility.com			
			millimeters. Tolerances: X: ± 0.5 mm	Description:	Size:	e: Part number:			
				Connector, 4C audio jack, 3.5x7.8xL25.8 mm, brass,	Α	4 50-00041			
			X.X: ± 0.3 mm X.XX: ± 0.05 mm	nickel plated, molding style		5:1		Sheet 1 of 1	
		5	1 4	3 2		I		1	