# mail

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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#### Materials

- 1. Insulator, nylon, black
- 2. Front terminal, brass, gold plating
- 3. Spring plate, phosphor bronze, gold plating
- 4. Spring plate, copper beryllium, gold plating

#### Electrical

Dielectric strength: 1 min @ 250 Vac Insulation resistance: 100 M $\Omega$  @ 500 Vdc Contact resistance: 70 m $\Omega$  or less Rated voltage: 30 Vdc Rated current: 0.3 A

# Mechanical

Insertion force: 1.0-2.0 kgf Withdrawal force: 0.8-1.4 kgf Durability: 5000 mating cycles at 15 to 18 cycles per minute without loading; less than 100 m $\Omega$  contact resistance; minimum 50 M $\Omega$  insulation resistance Terminal strength: 0.3 kgf for 15 seconds in any direction without damage or looseness

# Soldering

Solderability: 75% minimum when terminals dipped 2 mm in 245  $\pm$ 5 °C solder bath for 3  $\pm$ 0.5 seconds Solder bath durability: no deformation when immersed in 255  $\pm$ 5 °C up to surface of the board 1.6 mm for 5 seconds or less

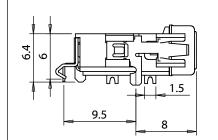
Solder iron durability: no deformation when exposed to 350  $\pm 10$  °C for 3  $\pm 0.5$  seconds

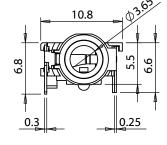
#### Environmental

Cold test:  $-25 \pm 3$  °C for 48 hours without deformation Heat test:  $70 \pm 2$  °C for 48 hours without deformation Humidity test:  $40 \pm 2$  °C and humidity between 90 and 98 % for 48 hours without deformation

# **Operating range**

-10 ~ 60 °C





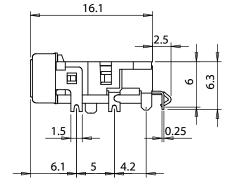
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REVISION	DATE	DESCRIPTION	PREPARED: Digitally signed	NOTES					
A	2/11/15	Initial release	GL by GL Date: 2017.04.25 10:30:21 - 07'00'	RoHS and REACH compliant	20802 Sockeye Place #130 Bend, OR 97701 USA te/ 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com				
A1	11/5/2015	added wiring schematic, updated description	VERIFIED: Digitally signed by PS Date: 2017.04.25 12:1645-0700'	Function test: no open, no reve short circuit, no INT Drawing in third angle projecte					
A2	7/12/2016	corrected PCB Layout	DIMENSIONS ARE IN MILLIMETERS						
43	4/25/2017	Modified PCB dimensioning	TOLERANCES: X: ± 0.5 mm XX: + 0.3 mm	DESCRIPTION: Connector, 6C audio jack, 3.5xL18.6 mm, PCB mount, 90°, AU plated		SIZE PART NUMBER A 54-00032			
						SCALE	: 1:1		SHEET 1 OF 2
		5	4	3	2				1

