



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, 40µ" Ni plated, 1 µ" Au plated
2. Ring contact: C5191, 40µ" Ni plated, 1 µ" Au plated
3. Ring contact: C5191, 40µ" Ni plated, 1 µ" Au plated
4. Sleeve contact: C5191, 40µ" Ni plated, 1 µ" Au plated
5. Shell: C2700 brass, 1 µm nickel plated
6. Top head: C3603 brass, 1 µm nickel plated
7. Insulator: PBT (UL94-HB), black

**Electrical Requirements**

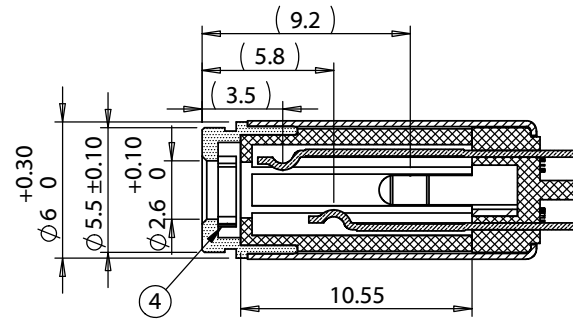
Dielectric strength: 1 min @ 200 Vac  
 Insulation resistance: 50 MΩ @ 100 Vdc  
 Contact resistance: 100 mΩ or less

**Mechanical Requirements**

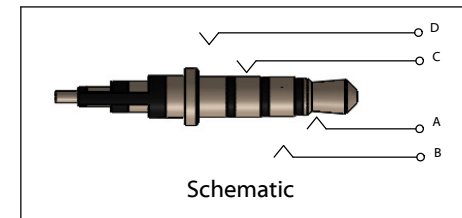
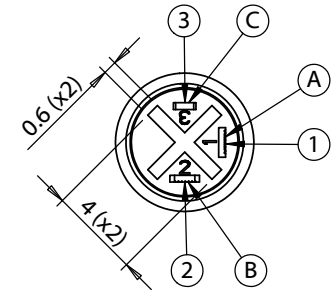
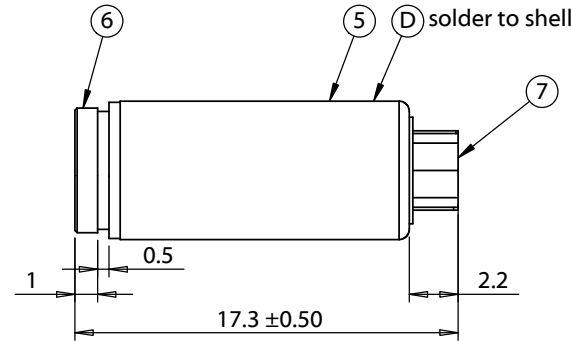
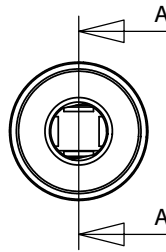
Insertion force: 0.4-4 kgf  
 Withdrawal force: 0.4-4 kgf  
 Life cycle: 5000 mating cycles while maintaining 0.3 kgf min. insertion force, 0.3 kgf min. withdrawal force and less than 100 mΩ contact resistance.

**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.



SECTION A-A  
SCALE 3 : 1



Revision:	Date:	Description:
A	9/4/2009	Initial release
A1	6/27/2016	Modified overall dimensions
A2	10/13/2016	Corrected dimensioning

Prepared:  
GL  
2016.10.13 11:19:29 -07'00'

Verified:  
PS  
Digitally signed by PS  
Date: 2016.10.13 11:35:34  
+0700

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

Notes:  
RoHS and REACH compliant

Function test: no open, no short circuit, no intermittent

Description:  
Connector, 4C audio jack, 2.5x6.0xL17.3 mm, brass, nickel plated, molding style

**TENSILITY**

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Size: A Part number: 50-00040

Scale: 5:1 Sheet 1 of 1