



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

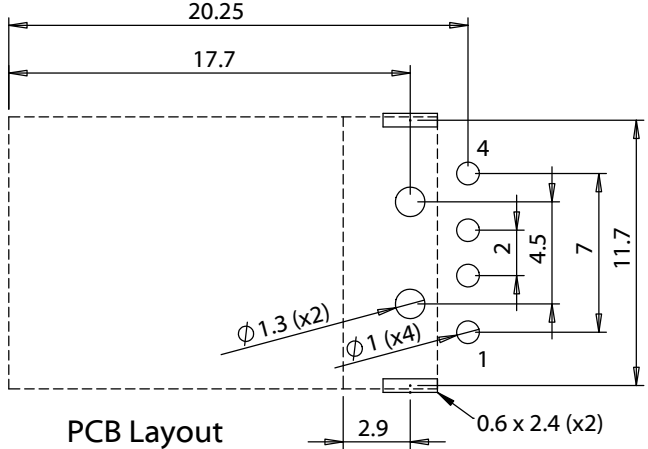
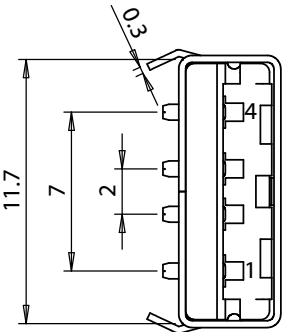
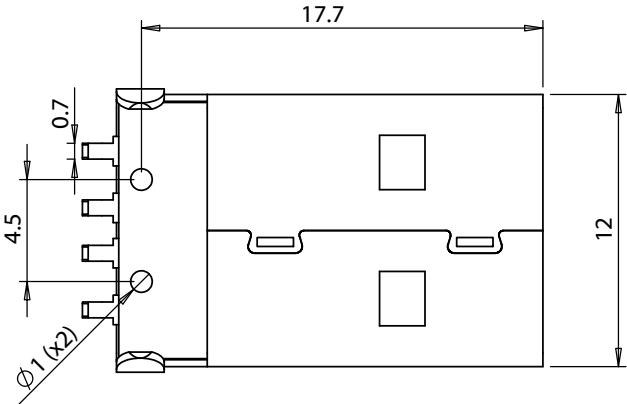
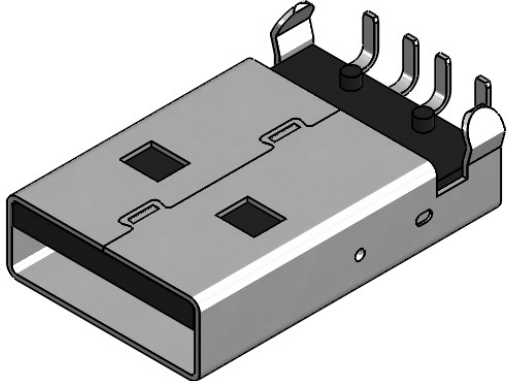
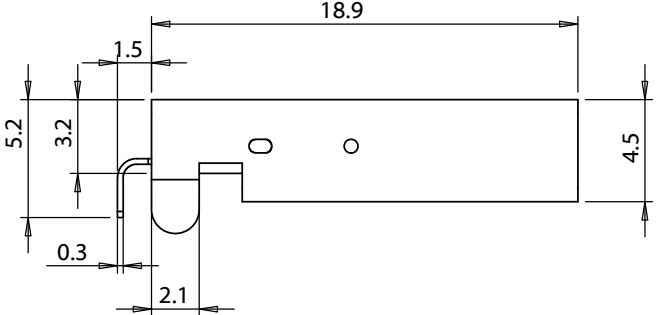
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# USB A plug 90° PCB mount



PCB Layout

DIMENSIONS ARE IN MILLIMETERS  
 TOLERANCES:  
 Up to 1.0: ± 0.1 mm  
 1.0 to 10.0: ± 0.2 mm  
 Over 10.0: ± 0.3 mm

NOTES  
 RoHS and REACH compliant

DESCRIPTION:  
 Connector, USB A plug, PCB mount, 90°, nickel shell, board lock, black insulator

# TENSILITY

20802 Sockeye Place #130  
 Bend, OR 97701 USA  
 tel 541.323.3228 fax 541.323.4202  
 800 877.670.7118 www.tensility.com

SIZE	PART NUMBER
A	54-00009

SCALE: 3:1	SHEET 1 OF 2
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**Materials**

1. Shell, steel, nickel plated
2. Pins, brass, 5 μ" gold and tin plating
3. Insulator, PBT, black

**Electrical**

Rated voltage: 30 Vdc  
 Rated current: 3 A  
 Dielectric strength: 1 min @ 500 Vac  
 Insulation resistance: 500 MΩ @ 500 Vdc  
 Contact resistance: 50 mΩ or less

**Mechanical**

Insertion force: 3.5 kgf maximum  
 Withdrawal force: 1.0 kgf minimum  
 Durability: 1500 cycle minimum life; less than 100 mΩ contact resistance, 100 MΩ minimum insulation resistance  
 Terminal strength: 0.3 kgf in any direction without damage or looseness

**Soldering**

Solderability: 75% minimum coverage when terminals dipped 2 mm in 245 ±5 °C solder bath for 3 ±0.5 seconds  
 Solder bath durability: no deformation when immersed in 255 ±5 °C up to surface of the board for 5 seconds or less  
 Solder iron durability: no deformation when exposed to 350 ±10 °C for 3 ±0.5 seconds

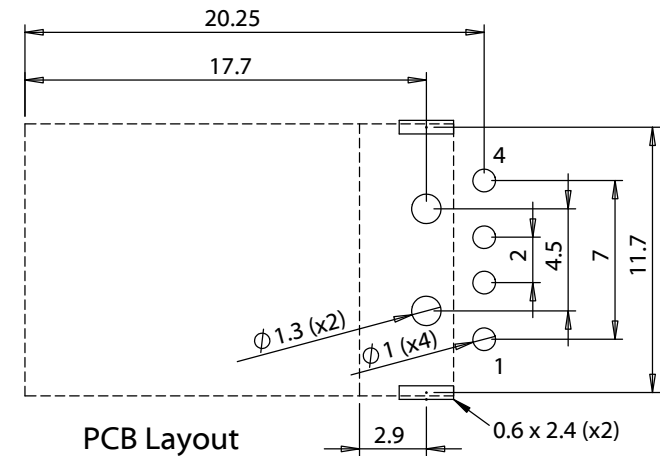
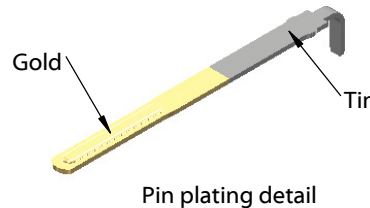
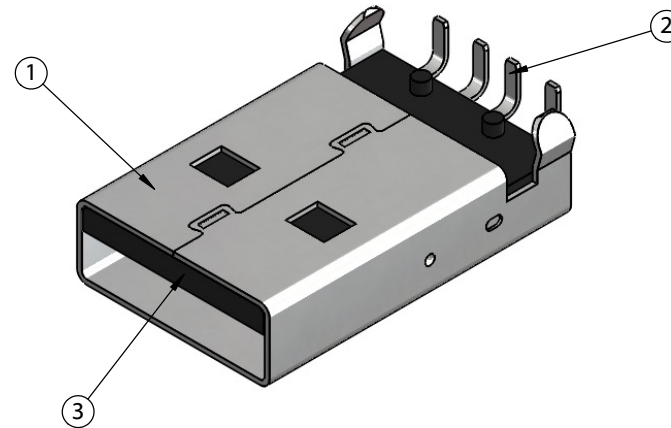
**Environmental**

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

**Operating range**

-10 ~ 60 °C

# USB A plug 90° PCB mount



REVISION	DATE	DESCRIPTION	PREPARED:	NOTES	<h1>TENSILITY</h1> <p>20802 Sockeye Place #130                  Bend, OR 97701 USA                  tel 541.323.3228 fax 541.323.4202                  800 877.670.7118 www.tensility.com</p>				
A	9/28/2015	Initial release	AG 2016.10.12 14:56:38 -07'00'	RoHS and REACH compliant					
			VERIFIED: GL 2016.10.12 15:49:00 -07'00'						
			DIMENSIONS ARE IN MILLIMETERS						
			TOLERANCES: Up to 1.0: ± 0.1 mm 1.0 to 10.0: ± 0.2 mm Over 10.0: ± 0.3 mm	DESCRIPTION: Connector, USB A plug, PCB mount, 90°, nickel shell, board lock, black insulator	<table border="1"> <tr> <td>SIZE</td> <td>PART NUMBER</td> </tr> <tr> <td>A</td> <td>54-00009</td> </tr> </table>	SIZE	PART NUMBER	A	54-00009
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