# imall

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.

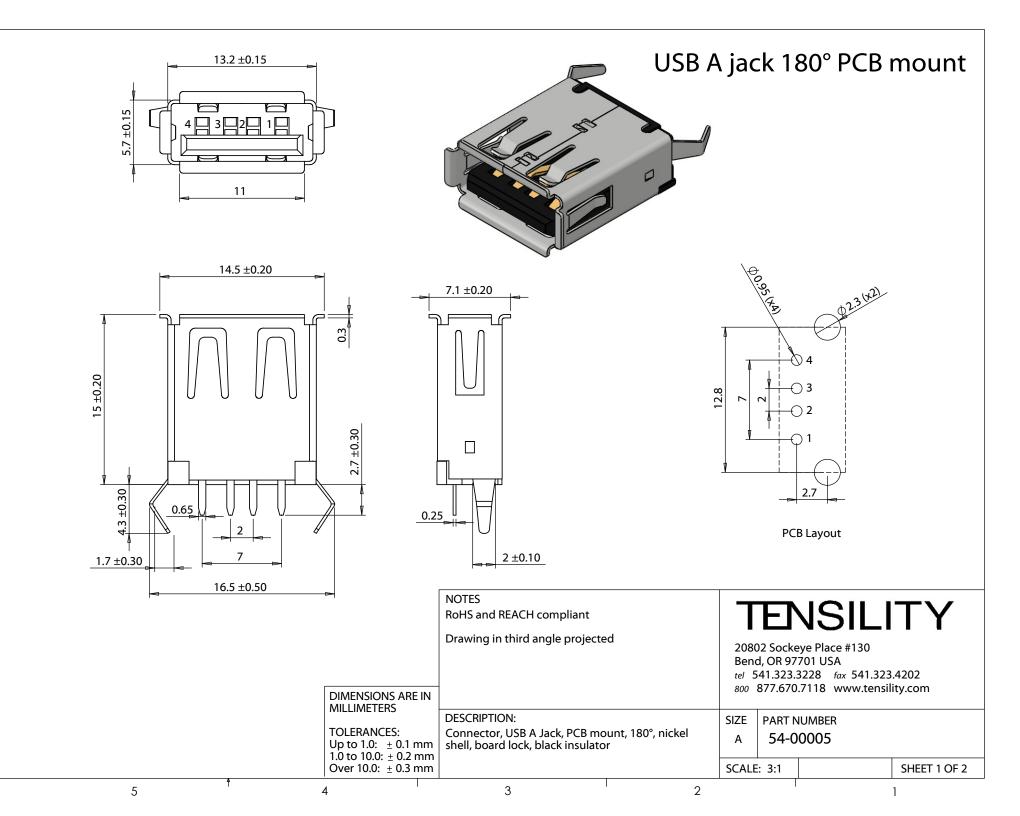
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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#### Materials

- 1. Shell, stainless 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 m $\Omega$  or less

#### Mechanical

Insertion force: 3.5 kgf maximum Withdrawal force: 1.0 kgf minimum Durability: 1500 mating cycles; less than 100 m $\Omega$ contact resistance. minimum 100 MΩ 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

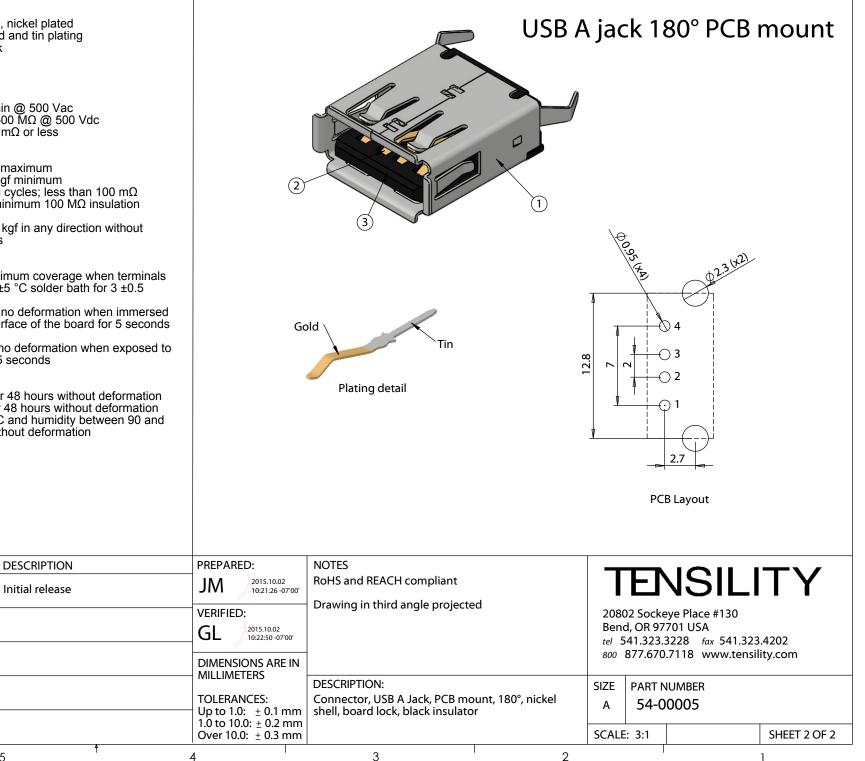
### **Operating range**

 $-10 \sim 60^{\circ}$ C

REVISION DATE

9/28/2015

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