

#### **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 M $\Omega$  @ 500 Vdc Contact resistance: 50 m $\Omega$  or less

# Mechanical

Insertion force: 3.5 kgf maximum Withdrawal force: 1.0 kgf minimum

Durability: 1500 cycle minimum life; less than 100 m $\Omega$  contact resistance, minimum 100 M $\Omega$  insulation resistance

Terminal strength: 0.3 kgf in any direction for 15 seconds 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  $\pm 5$  °C up to surface of the board for 5 seconds or less

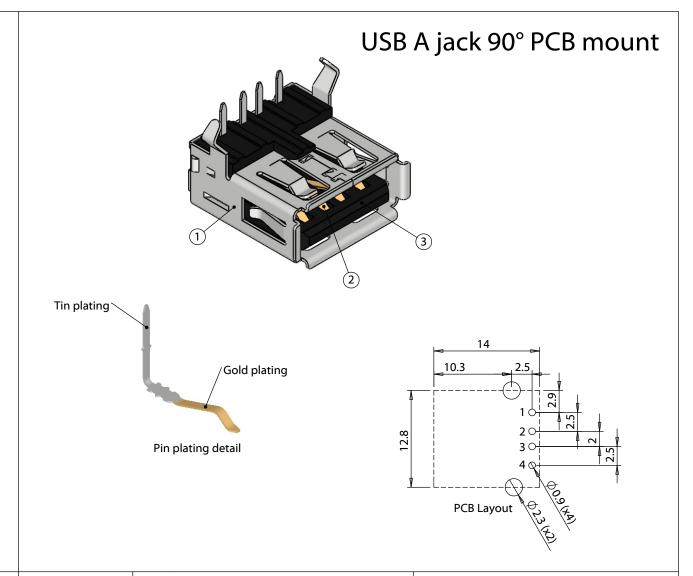
Solder iron durability: no deformation when exposed to  $350 \pm 10$  °C for  $3 \pm 0.5$  seconds

### **Environmental**

Cold test: -25 ±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



REVISION A	9/28/2015	DESCRIPTION Initial release		PREPARED:		NOTES RoHS and REACH compliant			TENSILITY			
				VERIFIED:  DIMENSIONS ARE	IN			20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com				
				MILLIMETERS  TOLERANCES: Up to 1.0: ± 0.1 mm 1.0 to 10.0: ± 0.2 mm Over 10.0: ± 0.3 mm	nm nm	DESCRIPTION: Connector, USB A jack PCB mou board lock, black insulator	ınt, 90°, nickel shell,	SIZE A SCALE	PART NUMBER 54-00001 E: 5:1 WEIGHT: SHEET 2 OF 2			
4									1 = . =	1		