

#### Materials

- 1. Shell, phosphor bronze, nickel plated
- 2. Pins, phosphor bronze, 5 μ" gold and tin plating
- 3. Insulator, Nylon 46, black

### Electrical

Rated voltage: 30 Vdc Rated current: 2 A

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 M $\Omega$  @ 500 Vdc Contact resistance: 50 m $\Omega$  or less

## Mechanical

Insertion force: 3.5 kgf maximum Withdrawal force: 0.7 kgf minimum

Durability: 5000 cycle minimum life; less than 100 m $\Omega$  contact resistance, minimum 50 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 255 ±5 °C solder bath for 3 ±0.5 seconds

Solder bath durability: no deformation when immersed in 260 ±5 °C up to surface of the board for 10

seconds

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

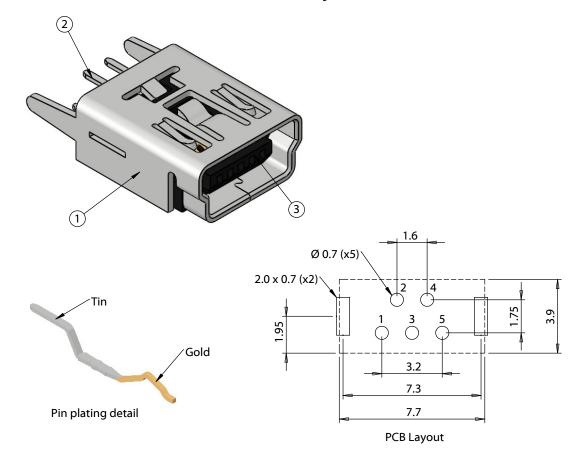
#### Environmental

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

# USB mini B jack 180° PCB mount



REVISION A	DATE 9/28/2015	DESCRIPTION  Initial release		PREPARED:		NOTES RoHS and REACH compliant			TENSILITY			
				VERIFIED:  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	IN				20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com			
			<u>-</u>		nm nm	DESCRIPTION: Connector, USB mini B Jack, PCB mount, 180°, nickel hell, DIP, black insulator		SIZE A SCALI	PART NUMBER 54-00023  E: 1:1 SHEET 2 OF 2			

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