# USB mini B jack 90° PCB mount



Revision:	Date:	Description:	Prepared:	Notes:						
А	09/28/2015	Initial release		RoHS and REACH compliant Function test: no open, no short circuit, no intermittent		TENSILITY   tel 1.541.323.3228   fax 1.541.323.4202   800 877.670.7118   web tensility.com				
A1	07/30/2018	Corrected operating temp range	Verified:							
			Dimensions are in							
			millimeters.	Description: Connector, USB mini B Jack, PCB mount, 90°, nickel shell, DIP, black insulator, tube		Size: Part number:				
			Tolerances: X: ± 0.5 mm			A	54-00	00019		
			X.X: ± 0.3 mm X.XX: ± 0.05 mm			Scale:	4:1	$\bigcirc \square$	Sheet 1 of 2	
5		4	3 2				1			

#### Materials

- 1. Shell, phosphor bronze, nickel plated
- 2. Pins, phosphor bronze, 5  $\mu$ " 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 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  $\pm$ 5 °C up to surface of the board for 10 seconds or less
- Solder iron durability: no deformation when exposed to 350 ±10 °C for 3 ±0.5 seconds

#### Environmental

Cold test: -40 ±3 °C for 48 hours without deformation Heat test:  $85 \pm 2$  °C for 48 hours without deformation Humidity test: 40 ±2 °C and humidity between 90 and 98 % for 48 hours without deformation

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Initial release

Corrected operating temp range

### **Operating range**

Date:

09/28/2015

07/30/2018

-40 ~ 85 °C

Revision:

А

A1

## USB mini B jack 90° PCB mount



2

5

3

Verified:

X.XX: ± 0.05 mm

Х: