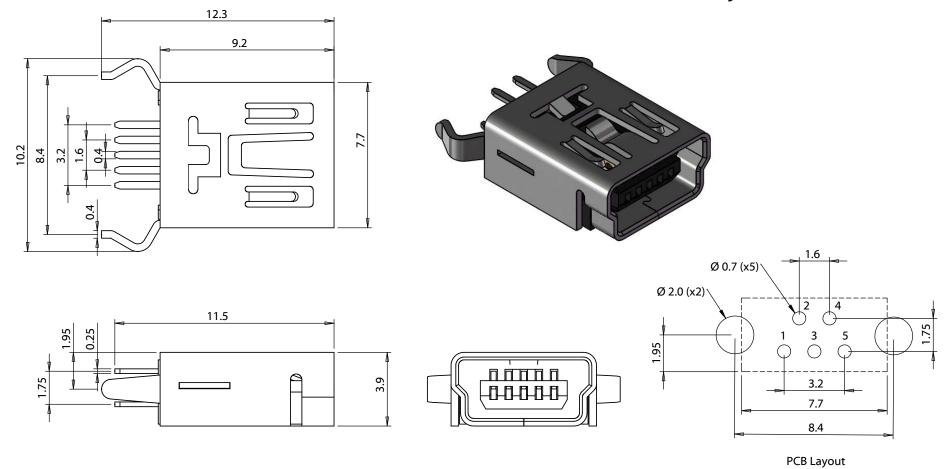
# USB mini B jack 180° PCB mount



Data	Description.	Dunana and	Makaa						
Date:	Description:	Prepared:	RoHS and REACH compliant  Function test: no open, no short circuit, no intermittent						
09/28/2015	Initial release	- V - C - I			TENSILITY				
07/30/2018	Corrected operating temp range	Verified:			tel 1.541.323.3228 800 877.670.7118				
		Dimensions are in			iax 1.341.323.4202 Web terisiiity.com				
		millimeters.	Description: Connector, USB mini B Jack, PCB mount, 180°, nickel shell, DIP, board lock, black insulator, tray		Size:	Part nu	ımber:		
		X: ± 0.5 mm			Α	54-00	0025		
		X.X: ± 0.3 mm X.XX: ± 0.05 mm			Scale:	5:1		Sheet 1 of 2	
		09/28/2015 Initial release	09/28/2015 Initial release  07/30/2018 Corrected operating temp range  Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm	09/28/2015 Initial release  O7/30/2018 Corrected operating temp range  Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm  RoHS and REACH compliant  Function test: no open, no shor intermittent  Description: Connector, USB mini B Jack, PC shell, DIP, board lock, black instead	09/28/2015 Initial release  O7/30/2018 Corrected operating temp range  Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm  Xound Tolerance Single State Stat	09/28/2015 Initial release  O7/30/2018 Corrected operating temp range  Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm  Verified:  RoHS and REACH compliant  Function test: no open, no short circuit, no intermittent  Description: Connector, USB mini B Jack, PCB mount, 180°, nickel shell, DIP, board lock, black insulator, tray  Scales	09/28/2015 Initial release  O7/30/2018 Corrected operating temp range  Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm  Verified:  RoHS and REACH compliant  Function test: no open, no short circuit, no intermittent  Description:  Connector, USB mini B Jack, PCB mount, 180°, nickel shell, DIP, board lock, black insulator, tray  Scale: 5:1	09/28/2015 Initial release  O7/30/2018 Corrected operating temp range  Dimensions are in millimeters: Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.X: ± 0.3 mm X.X: ± 0.3 mm  TENSIL  tel 1.541.323.3228 tel 1.541.323.328 tel 1.541.323.328 tel 1.541.323 tel 1.541.323 tel 1.541.323 tel 1.541.323 tel 1.541.	

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### **Materials**

- 1. Shell, phosphor bronze, nickel plated
- 2. Pins, phosphor bronze, 5 µm 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 mΩ 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 or less

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

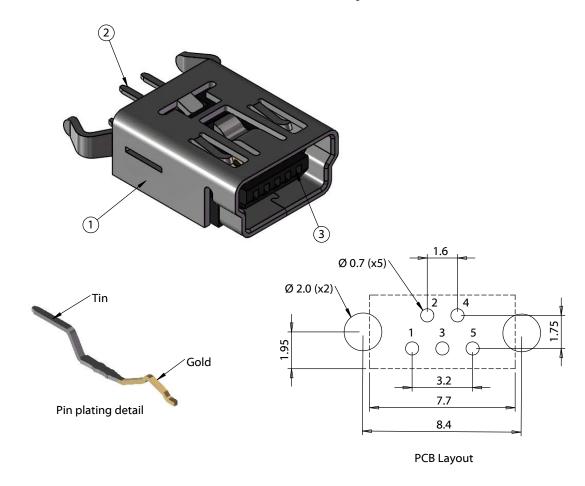
#### **Environmental**

Cold test: -40 ±3 °C for 48 hours without deformation Heat test: 85 ±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

-40 ~ 85 °C

## USB mini B jack 180° PCB mount



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Α	09/28/2015	Initial release		RoHS and REACH compliant	TENSILITY				
A1	07/30/2018	Corrected operating temp range	Verified:	Function test: no open, no short circuit, no intermittent		tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com			
			Dimensions are in						
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						А 54-00025			
			X.X: ± 0.3 mm X.XX: ± 0.05 mm			5:1 Sheet 2 of 2			

4 3 2