

Revision:	Date:	Description:	Prepared:		
Α	09/28/2015	Initial release			
A1	07/24/2018	Corrected operating temp range	Verified:		
			Dimensions are in millimeters.		
			Tolerances:		
			X: ± 0.5 mm		
			X.X: ± 0.3 mm		
		<u> </u>	X.XX: ± 0.05 mm		

Notes:

RoHS and REACH compliant

Function test: no open, no short circuit, no intermittent

Description:

Connector, USB A jack PCB mount, 90°, nickel shell, board lock, black insulator, tray

TENSILITY

tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com

Size: Part number: A 54-0001

Scale: 2:1 Sheet 1 of 2

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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 MΩ @ 500 Vdc

Contact resistance: 50 mΩ or less

Mechanical

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

Durability: 1500 cycle minimum life; less than 100 m Ω contact resistance, minimum 100 MΩ 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

Solder bath durability: no deformation when immersed in 255 ±5 °C up to surface of the board for 5 seconds

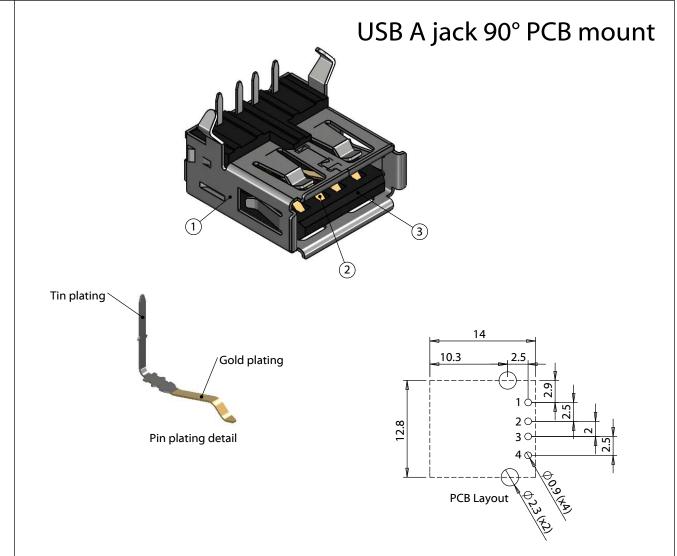
Solder iron durability: no deformation when exposed to 350 ±10 °C for 3 ±0.5 seconds

Environmental

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



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