

Date:	Prepared:			
09/28/2015	Initial release	Digitally signed by G Date: 2018.08.06 09:26:39 -07'00'		
07/24/2018	Corrected operating temp range	Verified: RS Digitally signed by Date: 2018.08.09 09:44:03 -07'00'		
		Dimensions are in millimeters.		
		Tolerances: X: ± 0.5 mm		
	_	X.X: ± 0.3 mm X.XX: ± 0.05 mm		
	09/28/2015	09/28/2015 Initial release		

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 54-00001

Scale: 2:1

Sheet 1 of 2

5

3

2

1

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 Ω @ 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 M Ω 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 ±5 °C up to surface of the board for 5 seconds or less

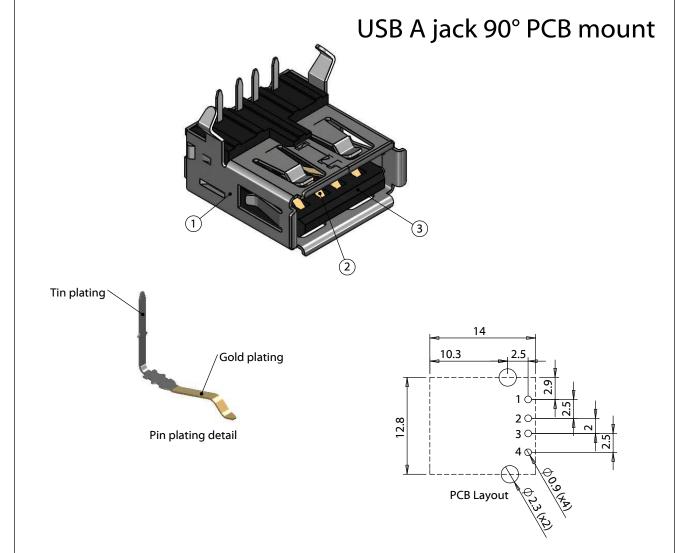
Solder iron durability: no deformation when exposed to 350 ± 10 °C for 3 ± 0.5 seconds

Environmental

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



Revision:	Date:	Description:	Prepared: Notes:							
Α	09/28/2015	Initial release					ENS	NSILITY		
A1	07/24/2018	Corrected operating temp range	Verified: RS Digitally signed by RS Date: 2018.08.09 09:43:44	Function test: no open, no shor intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com					
			Dimensions are in		lax 1.341.323.4202 web terisinty.com					
			millimeters. Tolerances:	Description:	Size: Part number:					
			X: ± 0.5 mm	± 0.5 mm Connector, USB A jack PCB mount, 90°, nickel		Α .	54-00001			
		_	X.X: ± 0.3 mm X.XX: ± 0.05 mm	board lock, black insulator, tray	nsulator, tray		2:1	Sheet 2 of	f 2	
		4								

3 2