USB A jack 90° SMT mount



Revision:	Date:	Description:	Prepared:	Notes:						
A	09/28/2015	Initial release		RoHS and REACH compliant 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				
A1	07/24/2018	Corrected operating temp range	Verified:							
A2	9/4/2018	Changed insulator material	Dimensions are in							
			millimeters.	Description: Connector, USB A jack, SMT mount, 90°, nickel shell, board lock, black insulator, tray		Size: Part number:				
			Tolerances: X: ± 0.5 mm			A	54-00	00003		
			X.X: ± 0.3 mm X.XX: ± 0.05 mm			Scale:	2:1	$\bigcirc \bigcirc$	Sheet 1 of 2	
5		4	3 2					1		

Materials

- 1. Shell, steel, nickel plated 2. Pins, brass, 5 μ" gold and tin plating
- 3. Insulator, PA46, black

Electrical

Rated voltage: 30 Vdc Rated current: 3 A Dielectric strength: 500 Vac for 1 min without damage Insulation resistance: 500 M Ω after 500 Vdc for 1 min Contact resistance: 50 m Ω or less

Mechanical

Insertion force: 3.5 kgf maximum Withdrawal force: 1.0 kgf minimum Durability: 1500 cycles unloaded, while maintaining: Contact resistance: 100 m Ω . Insulation resistance: 100 M Ω Dielectric strength: 100 Vac for 1 min without damage 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 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

Date:

09/28/2015

07/24/2018

9/4/2018

-40 ~ 85°°C

Revision:

А

A1

A2



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