

Revision:	Date:	Description:	Prepared:	Notes:	
Α	09/28/2015	Initial release	GL Digitally signed by GL Date: 2018.08.03 13:26:51 -07'00'	RoHS compliant	TENSILITY
A1	07/24/2018	Corrected operating temp range	Verified: RS Digitally signed by RS Date: 2018.08.09 Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	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
				Description: Connector, USB A 3.0 Jack, PCB mount, 180°, nickel shell, DIP, board lock, blue insulator, tray	Size: Part number: A

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Materials

- 1. Shell, brass, nickel plated
- 2. Terminal, phosphor bronze, 5 μ " gold and tin plating
- 3. Terminal, brass, 5 µ" gold and tin plating
- 4. Insulator, PBT, blue

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 m Ω 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

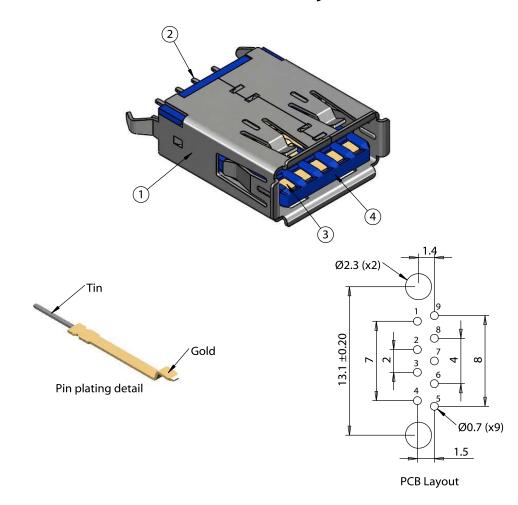
Environmental

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

USB A 3.0 jack 180° PCB mount



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				Connector, USB A 3.0 Jack, PCB mount, 180°, nickel shell, DIP, board lock, blue insulator, tray	А 54-00008		
					Scale:	3:1 Sheet 2 of 2	

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