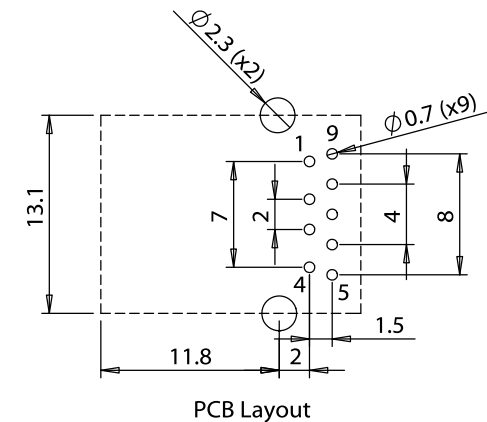
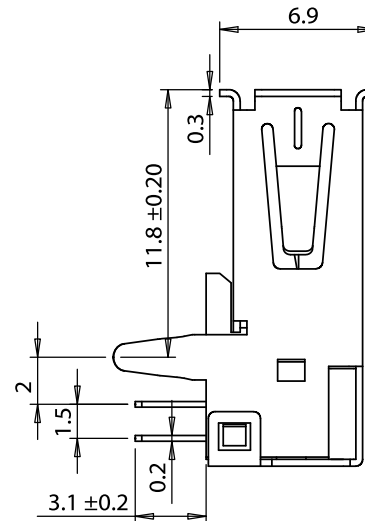
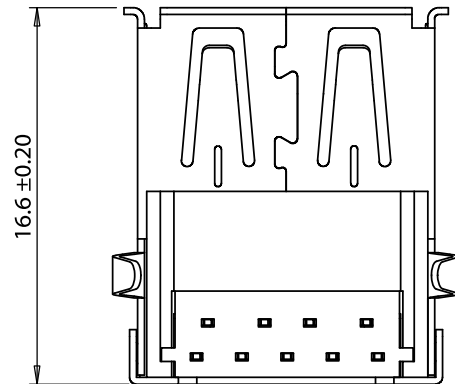
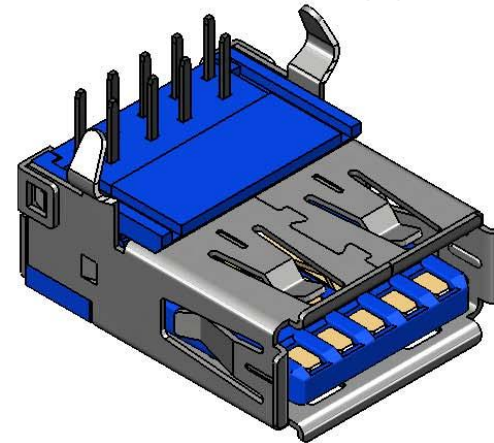
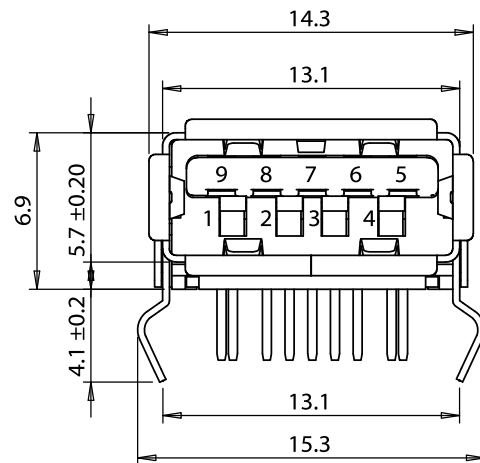


USB A 3.0 jack 90° PCB mount



Revision:	Date:	Description:	Prepared:	Notes:	<div>TENSILITY</div> <div> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com </div>		
A	09/28/2015	Initial release	GL	RoHS compliant			
A1	07/27/2018	Corrected operating temp range	RS	Function test: no open, no short circuit, no intermittent	<div>Size: A</div> <div>Part number: 54-00007</div>		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Connector, USB A 3.0 Jack, PCB mount, 90°, nickel shell, DIP, board lock, blue insulator, tray			
					Scale: 2:1		Sheet 1 of 2

5

↑

4

3

2

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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 m 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 without damage or looseness

Soldering

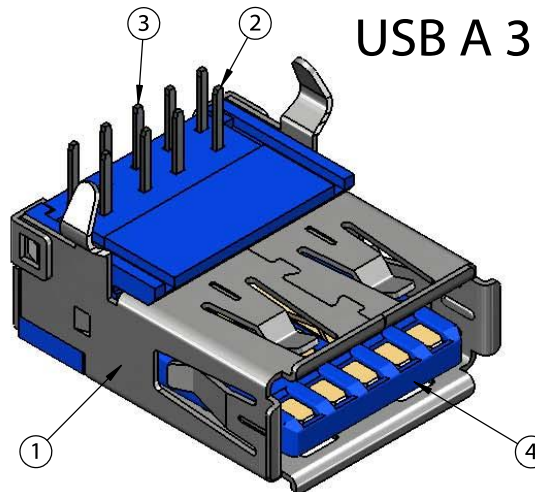
Solderability: 75% minimum coverage when terminals dipped 2 mm in 245 \pm 5 $^{\circ}$ C solder bath for 3 \pm 0.5 seconds
Solder bath durability: no deformation when immersed in 255 \pm 5 $^{\circ}$ C up to surface of the board for 5 seconds or less
Solder iron durability: no deformation when exposed to 350 \pm 10 $^{\circ}$ C for 3 \pm 0.5 seconds

Environmental

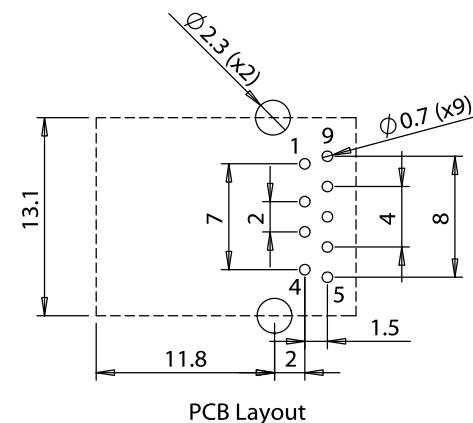
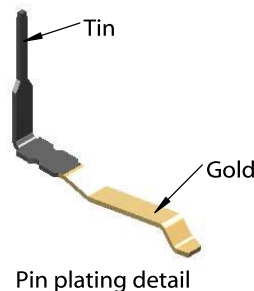
Cold test: -40 \pm 3 $^{\circ}$ C for 48 hours without deformation
Heat test: 85 \pm 2 $^{\circ}$ C for 48 hours without deformation
Humidity test: 40 \pm 2 $^{\circ}$ C and humidity between 90 and 98 % for 48 hours without deformation

Operating range

-40 ~ 85 $^{\circ}$ C



USB A 3.0 jack 90° PCB mount



Revision:	Date:	Description:	Prepared: GL <small>Digitally signed by GL Date: 2018.08.06 09:50:03 -07'00'</small>	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>	
A	09/28/2015	Initial release	Verified: RS <small>Digitally signed by RS Date: 2018.08.09 09:58:27 -07'00'</small>	RoHS compliant		
A1	07/27/2018	Corrected operating temp range	Dimensions are in millimeters. Tolerances: X: \pm 0.5 mm X.X: \pm 0.3 mm X.XX: \pm 0.05 mm	Function test: no open, no short circuit, no intermittent	Size: A	Part number: 54-00007
				Description: Connector, USB A 3.0 Jack, PCB mount, 90°, nickel shell, DIP, board lock, blue insulator, tray	Scale: 2:1	Sheet 2 of 2