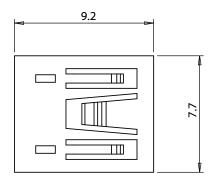
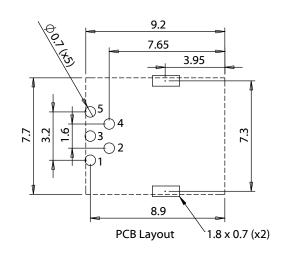
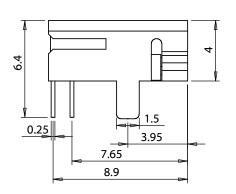
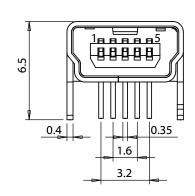
USB mini B jack 90° PCB mount

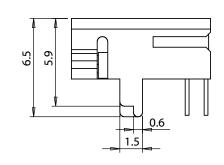












Revision:	Date:	Description:	Prepared:	Notes:
Α	09/28/2015	Initial release	GL Digitally signed by GL Date: 2018.08.10 11:14:32 -07'00'	RoHS and REACH co
A1	02/16/2016	Corrected part description	Verified: RS Digitally signed by RS Date: 2018.08.10 17:19-56-0700'	Function test: no op intermittent
A2	07/30/2018	Corrected operating temp range	Dimensions are in millimeters.	
			Trillimeters: Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Connector, USB min black insulator, tube

ompliant

pen, no short circuit, no

ni B Jack, PCB mount, 90°, DIP,

tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com

Part number: Size: 54-00027

Scale: 4:1 Sheet 1 of 2

5

3

2

Materials

- 1. Shell, phosphor bronze, 110 μ" nickel plated
- 2. Pins, phosphor bronze, 5 μ " gold and 80 μ " tin plating
- 3. Insulator, Nylon 46, black

Electrical

Rated voltage: 30 Vdc Rated current: 2 A

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 M Ω @ 500 Vdc Contact resistance: 50 m Ω or less

Mechanical

Insertion force: 3.5 kgf maximum Withdrawal force: 0.7 kgf minimum

Durability: 5000 cycle minimum life; less than 100 m Ω contact resistance, minimum 50 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 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 10 seconds or less

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

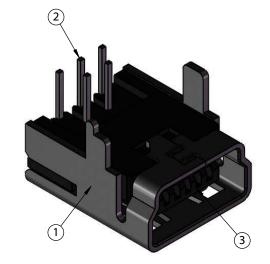
Environmental

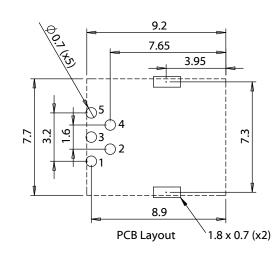
Cold test: -40 ±3 °C for 48 hours without deformation Heat test: 85 ±2 °C for 48 hours without deformation Humidity test: 40 ±2 °C and humidity between 90 and 98 % for 48 hours without deformation

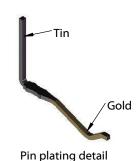
Operating range

-40 ~ 85 °C

USB mini B jack 90° PCB mount







Revision:	Date:	Description:	Prepared:	Notes:			
Α	09/28/2015	Initial release	GL Digitally signed by GL Date: 2018.08.10 11:14:50 -07'00'	RoHS and REACH compliant		ENSILITY	
A1	02/16/2016	Corrected part description	RS Digitally signed by RS Date: 2018.08.10 17:20:09-07'00'	Function test: no open, no short circuit, no intermittent		tel 1.541.323.3228 800 877.670.7118	
A2	07/30/2018	Corrected operating temp range	Dimensions are in			x 1.541.323.4202 web tensility.com	
			- millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Connector, USB mini B Jack, PCB mount, 90°, DIP, black insulator, tube	Size: A Scale:	A 54-00027	