USB B jack 90° PCB mount 16.2 12.1 8.45 5.5 13.2 10.8 7.8 0 12.1 0.25 m 0.6 2.8 10.4 14.7 10.4 4.8 **PCB Layout** NOTES RoHS and REACH compliant 20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com **DIMENSIONS ARE IN MILLIMETERS** DESCRIPTION: SIZE PART NUMBER Connector, USB B Jack, PCB mount, 90°, nickel shell, shielded, board lock, white insulator **TOLERANCES:** 54-00018 Up to 1.0: ± 0.1 mm 1.0 to 10.0: ± 0.2 mm SCALE: 2:1 Over 10.0: \pm 0.3 mm SHEET 1 OF 2 5 3 2

Materials

- 1. Shell, steel, nickel plated
- 2. Pins, phosphor bronze, 5 μ " gold and tin plating
- 3. Insulator, PBT + 30% GF, white, 94 V-0

Electrical

Rated voltage: 30 Vdc Rated current: 3 A

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 1000 MΩ @ 500 Vdc

Contact resistance: 30 mΩ or less

Mechanical

Insertion force: 3.5 kgf maximum Withdrawal force: 1.0 kgf minimum

Durability: 1500 cycle minimum life; less than 100 mΩ contact resistance, minimum 50 MΩ 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

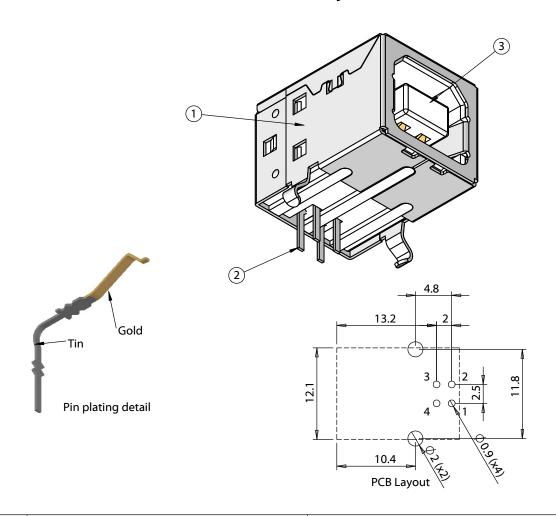
Cold test: -25 ±3 °C for 48 hours without deformation Heat test: 70 ±2 °C for 48 hours without deformation Humidity test: 40 ±2 °C and humidity between 90 and 98 % for 48 hours without deformation

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Operating range

-10 ~ 60°C

USB B jack 90° PCB mount



REVISION	DATE	DESCRIPTION	PREPARED:	NOTES ROHS and REACH compliant DESCRIPTION: Connector, USB B Jack, PCB mount, 90°, nickel shell, shielded, board lock, white insulator	TENSILITY 20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com			
A	10/22/2015	Initial release						
			VERIFIED: DIMENSIONS ARE IN MILLIMETERS					
			TOLERANCES:		SIZE A	PART NUMBER 54-00018		
			Over 10.0: ± 0.3 mm			E: 2:1		SHEET 2 OF 2