

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

Materials

- 1. Shell, brass, nickel plated
- 2. Terminal, phosphor bronze, 5 μ " gold and tin plating
- 3. Terminal, brass, 5 µm 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 MΩ @ 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 °C solder bath for 3 \pm 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

Description:

Initial release

Operating range

Date:

09/28/2015

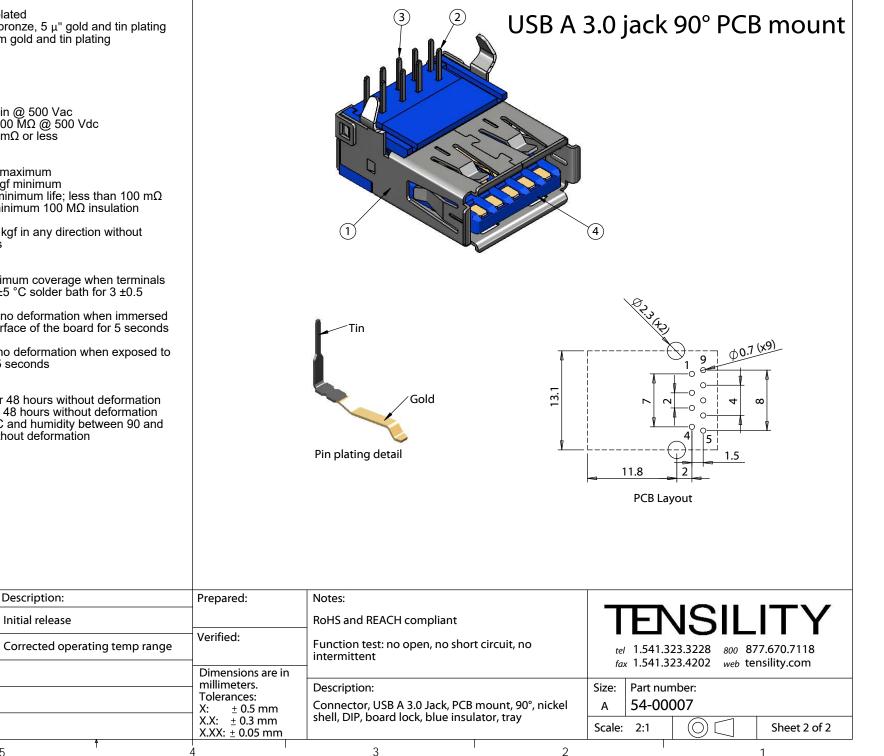
07/27/2018

-40 ~ 85 °C

Revision:

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A1



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