

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

#### Materials

- 1. Shell, phosphor bronze, nickel plated
- 2. Pins, phosphor bronze, 5 µm gold and 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 MΩ @ 500 Vdc Contact resistance: 50 mQ or less

# Mechanical

Insertion force: 3.5 kgf maximum Withdrawal force: 0.7 kgf minimum Durability: 5000 cycle minimum life; less than 100 m $\Omega$ contact resistance, minimum 50 M $\Omega$  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

Description:

Initial release

#### **Operating range**

Date:

09/28/2015

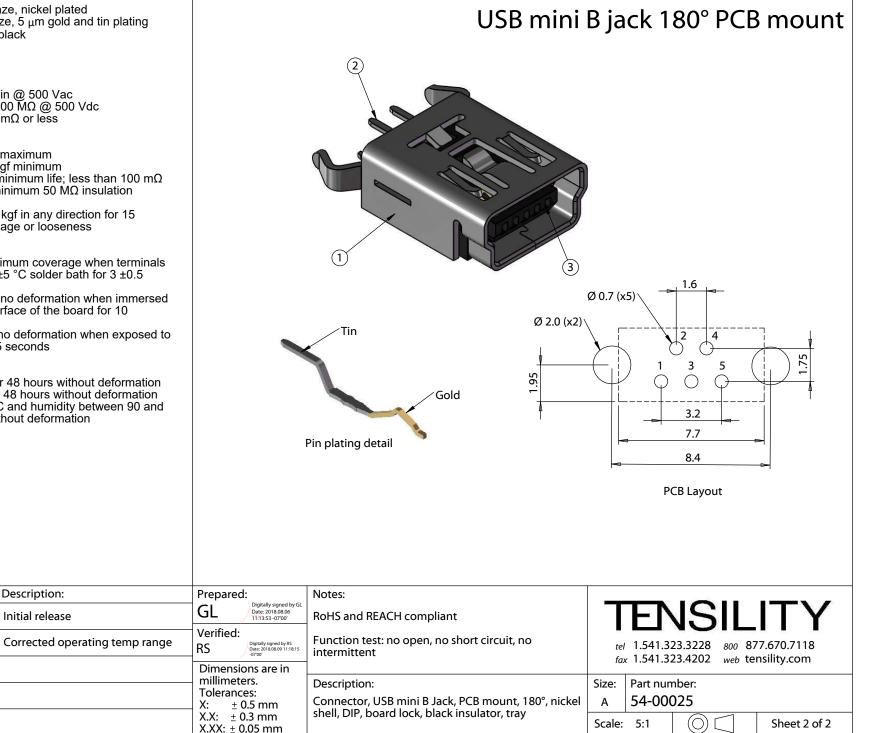
07/30/2018

-40 ~ 85°°C

Revision:

А

A1



2

3

5