### Materials

- 1. Shell, brass, nickel plated
- 2. Pins 5 9, brass, 5  $\mu$ " gold and tin plating
- 3. Pins 1 4, phosphor bronze, 5  $\mu$ " 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 $\Omega$  or less

## Mechanical

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

- Durability: 1500 cycle minimum life, unloaded; less than 100 m $\Omega$  contact resistance, minimum 100 M $\Omega$  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 ±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  $350 \pm 10$  °C for  $3 \pm 0.5$  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

Corrected operating temp range

# **Operating range**

Date:

12/15/2015

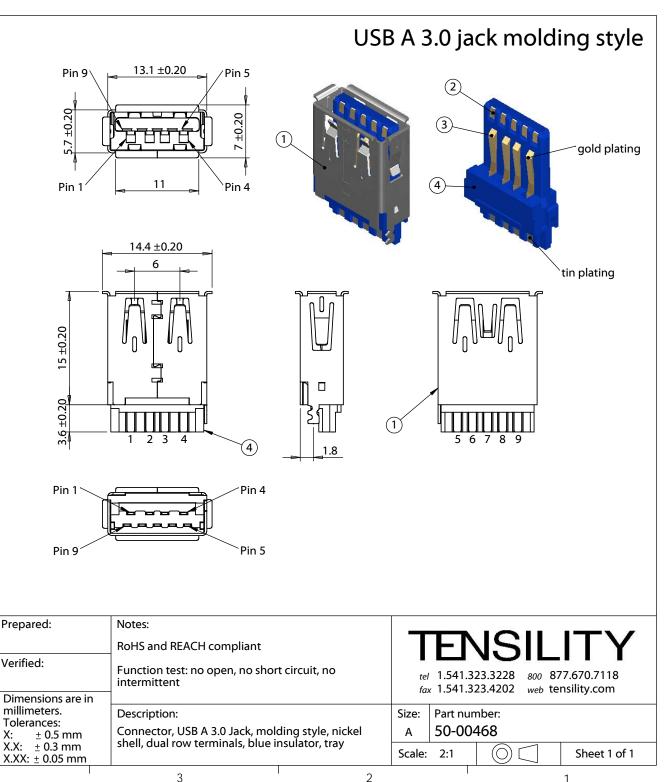
07/27/2018

-40 ~ 85°°C

Revision:

А

A1



1

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3