Materials

- 1. Shell, brass, nickel plated
- 2. Pins 5 9, brass, 5 μ" gold and tin plating
- 3. Pins 1 4, phosphor bronze, 5 μ " 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 M Ω @ 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, unloaded; 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 ±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

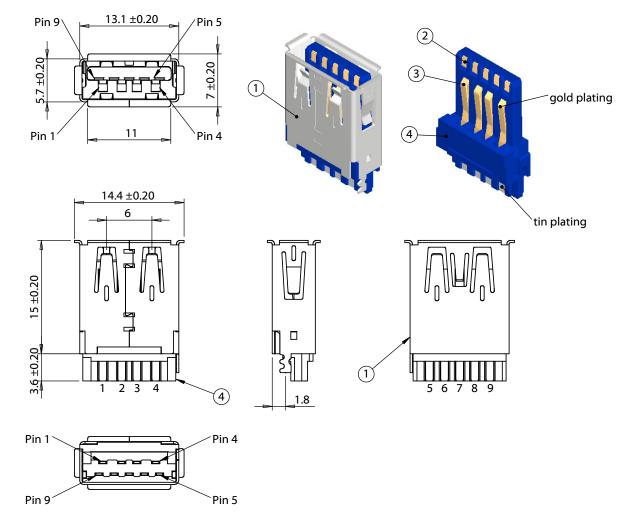
Environmental

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

Operating range

-10 ~ 60°C

USB A 3.0 jack molding style



REVISION A	DATE 12/15/2015	DESCRIPTION Initial release	PREPARED:	NOTES ROHS and REACH compliant		TENSILITY				
			VERIFIED: DIMENSIONS ARE IN			20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com				
			MILLIMETERS TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm		DESCRIPTION: Connector, USB A 3.0 Jack, molding style, nickel hell, dual row terminals, blue insulator, tray		SIZE PART NUMBER A 50-00468 SCALE: 5:1 WEIGHT: SHEET 1 OF 1			

5 4 2