

Materials

1. Shell, steel, nickel plated
2. Pins, brass, 5 μ " gold and tin plating
3. 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 \pm 5 $^{\circ}$ C solder bath for 3 \pm 0.5 seconds
Solder bath durability: no deformation when immersed in 255 \pm 5 $^{\circ}$ C up to surface of the board for 5 seconds or less
Solder iron durability: no deformation when exposed to 350 \pm 10 $^{\circ}$ C for 3 \pm 0.5 seconds

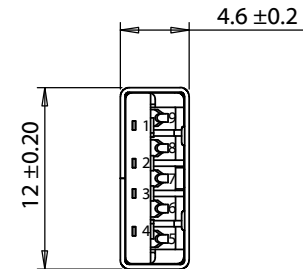
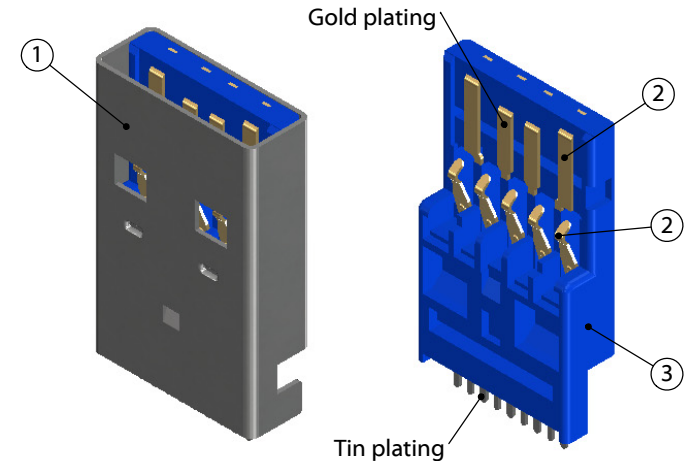
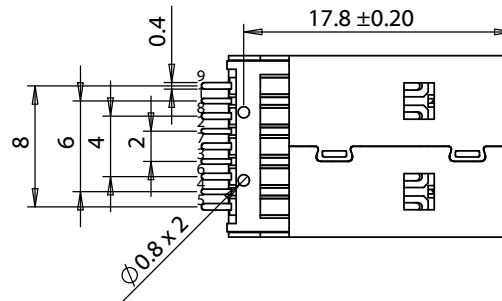
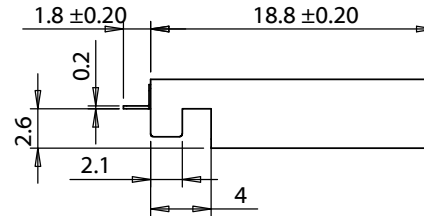
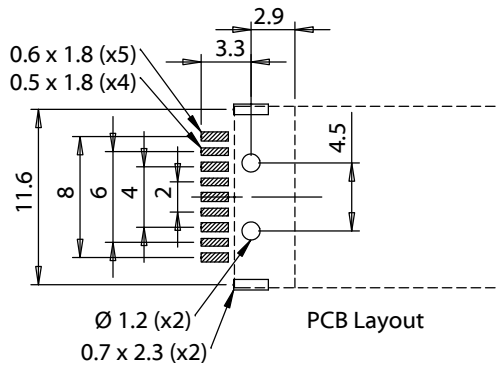
Environmental

Cold test: -25 \pm 3 $^{\circ}$ C for 48 hours without deformation
Heat test: 70 \pm 2 $^{\circ}$ C for 48 hours without deformation
Humidity test: 40 \pm 2 $^{\circ}$ C and humidity between 90 and 98 % for 48 hours without deformation

Operating range

-10 ~ 60 $^{\circ}$ C

USB A 3.0 plug Horizontal SMT or molding style



REVISION	DATE	DESCRIPTION	PREPARED	NOTES	<h1>TENSILITY</h1> <p>20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com</p>		
A	12/14/2015	Initial release	VERIFIED	RoHS and REACH compliant Function test: no open, no short circuit, no INT intermittent			
			DIMENSIONS ARE IN MILLIMETERS	DESCRIPTION: Connector, USB A 3.0 plug, horizontal SMT or molding style, nickel shell, blue insulator	SIZE A	PART NUMBER 50-00469	
			TOLERANCES: Up to 1.0: \pm 0.1 mm 1.0 to 10.0: \pm 0.2 mm Over 10.0: \pm 0.3 mm		SCALE: 3:5:1	WEIGHT:	SHEET 1 OF 1