

Materials

- 1. Shell, stainless steel, nickel plated
- 2. Pins, brass, 5 μ" gold and tin plating
- 3. Insulator, PBT, black

Electrical

Rated voltage: 30 Vdc Rated current: 3 A

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 500 MΩ @ 500 Vdc Contact resistance: 50 mΩ or less

Mechanical

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

Durability: 1500 mating cycles; less than 100 m Ω contact resistance. minimum 100 MΩ 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

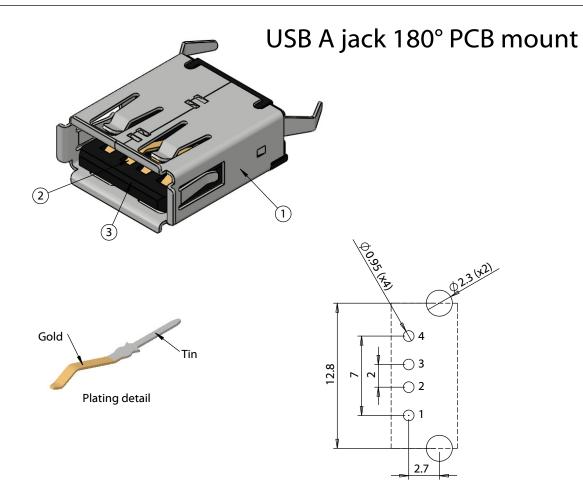
Solder bath durability: no deformation when immersed in 255 ±5 °C up to surface of the board for 5 seconds or less

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



PCB Layout

| REVISION A | DATE 9/28/2015 | DESCRIPTION Initial release | PREPARED: | NOTES RoHS and REACH compliant Drawing in third angle projected | 20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com | | | |
|------------|-------------------|-----------------------------|-------------|---|--|---------|--|--------------|
| | | | TOLERANCES: | | | | | |
| | | | | | SIZE A | 54-0005 | | |
| | | | | | SCALE | E: 3:1 | | SHEET 2 OF 2 |