**ELECTRICAL:**
- CURRENT & VOLTAGE RATING: 1.5A / 250 VAC
- < 30 Milliohm Max.
- INSULATION RESISTANCE: > 1000 Megohm Min.
- DIELECTRIC WITHSTANDING VOLTAGE: 500V (rms) AC for 1 Minute
- OPERATING TEMPERATURE: -0° C to +50° C

**MATERIAL:**
- INSULATOR: Thermoplastic UL94V-0; LCP
- CONTACTS: Copper Alloy
- CONTACT PLATING:
  - Gold Plating over Nickel on Contact Area,
  - Tin Plating on Terminal
- SHELL: Copper Alloy
- SHELL PLATING: Nickel

**MECHANICAL:**
- MATING FORCE: 35 Newtons Max.
- UNMATING FORCE: 10 Newtons Min.
- RECOMMENDED PC BOARD THICKNESS OF 1.57mm

**HOW TO ORDER:**
```
U 0 0 1 - 0 4 2 X - 1 0 X - Z
```
- CIRCUIT DIAGRAMS:
  - 04 - 4 Pin Single Port Type A
- INSULATOR COLOR:
  - 0 - Black
  - 1 - White
- SHELL STYLE:
  - 1 - Standard - No Front Grounding Springs
- ORIENTATION:
  - 2 - Right Angle Surface Mount
- SELECTIVE CONTACT PLATING:
  - 1 - Gold Flash
  - 2 - 10u" Gold
  - 3 - 30u" Gold
- # of LOCKS:
  - 0 - Standard 2 Locks
    (Top, Bottom, Sides)

**TOL. DEC.**
- .X +/- .20
- .XX +/- .10
- .XXX +/- .10
- ANGLE +/- UNIT: mm
- P/N: U001-042X-10X-Z

**SMP TECHNOLOGY, INC.**
USB Connector, Type A Receptacle, Surface Mount

**Rev**  | **Drawn**  | **Checked**  | **Approved**  | **Date**
--- | --- | --- | --- | ---
0 | D.H. | S.M. | S.M. | 06/22/04
A | B.S. | S.M. | S.M. | 07/16/08
B | B.S. | S.M. | | 09/24/12

RoHS COMPLIANT

**Changed Tolerances and Plating Options**