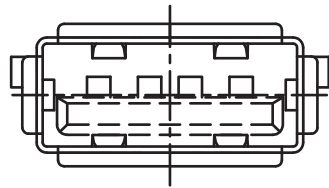


Recommended PCB Layout



**ELECTRICAL:**

CURRENT RATING: 1A  
 CONTACT RESISTANCE:  
 < 30m Ohm Max.  
 INSULATOR RESISTANCE:  
 > 1000M Ohm Min.  
 DIELECTRIC WITHSTANDING VOLTAGE:  
 500 VAC for 1 Minute  
 OPERATING TEMPERATURE: -55° C to +105° C

**MATERIAL:**

INSULATOR: Thermoplastic UL94V-0  
 CONTACTS: Gold Plated  
 SHELL PLATING: Nickel

**MECHANICAL:**

CONTACT INSERTION FORCE: 3.5 Kgf Max  
 CONTACT SEPARATION FORCE: 1.0 Kgf Max

**HOW TO ORDER:**

U 0 0 1 - 0 4 1 X - 8 1 X - Z

**NUMBER OF CONTACTS:**

04 - 4 PIN SINGLE PORT

**DEFINITION:**

1 - STRAIGHT

**SHELL STYLE**

8 - Height 13.7mm Vertical

**# of LOCKS**

1 - 4 Locks

**RoHS Compliant**

**INSULATOR COLOR:**

0 - BLACK  
 1 - WHITE

**SELECTIVE CONTACT PLATING:**

1 - Gold  
 3 - 15u" Au  
 4 - 30u" Au

Rev	Drawn	Checked	Approved	Date
0	B.S.	S.M.	S.M.	2/12/08
A	B.S.	S.M.	S.M.	12/10/09
B	B.S.	S.M.	S.M.	01/22/12

**SMP TECHNOLOGY, INC.**

USB CONNECTOR, SINGLE PORT, STRAIGHT, TYPE A (13.7mm Height)

TOL. DEC. .X +/- 0.20 .XX +/- 0.10 .XXX +/- 0.05 ANGLE +/- UNIT: mm

P/N: U001 - 041X - 81X - Z