



RECOMMENDED PCB LAYOUT

ELECTRICAL:

CURRENT RATING: 1A
 CONTACT RESISTANCE:
 < 30 Milliohm Max.
 INSULATION RESISTANCE:
 > 1000 Mgeaohm Min.
 DIELECTRIC WITHSTANDING VOLTAGE:
 750V (rms) AC for 1 Minute
 OPERATING TEMPERATURE: -35° C to +85° C

MATERIAL:

INSULATOR: Thermoplastic UL94V-0, PA9T
 CONTACTS: Phosphor Bronze
 CONTACT PLATING:
 Gold Plating over Nickel on Contact Area,
 Tin Plating on Terminal Tail
 SHELL: Copper Alloy
 SHELL PLATING: Nickel

MECHANICAL:

MATING FORCE: 3.5 Kg Max.
 UNMATING FORCE: 0.7 Kg Min.

RECOMMENDED PC BOARD THICKNESS OF 1.57mm

HOW TO ORDER:

U 0 0 1 - 0 4 0 X - 1 0 X 6 - Z X

<p>CIRCUIT DIAGRAMS 04 - 4 Pin Single Port Type A</p>	<p>INSULATOR COLOR 0 - Black 1 - White</p>	<p>SHELL STYLE 1 - Standard - No Front Grounding Springs</p>	<p>SELECTIVE CONTACT PLATING 1 - Gold Flash 2 - 15u" Gold 3 - 30u" Gold 4 - 6u" Au Plating</p>
<p>ORIENTATION 0 - Right Angle Thru Hole</p>	<p># of LOCKS 0 - Standard 2 Locks (Top, Bottom, Sides)</p>	<p>RoHS COMPLIANT</p>	<p>PACKAGING Blank - Tray Package 1 - Tape & Reel 2 - Tube</p>
		<p>OFFSET 6 - 1.89mm</p>	

Rev	Drawn	Checked	Approved	Date	
0	Issued	B.S.	S.M.	S.M.	01/07/15
A	Revised PCB Layout & Insulator Color Options	B.S.	S.M.	S.M.	05/21/18

SMP TECHNOLOGY, INC.

USB Type A Connector, 4 Position, Right Angle Thru Hole, 1.89mm Offset