



RECOMMENDED PCB LAYOUT

**ELECTRICAL:**

VOLTAGE RATING: 125 VAC RMS MIN.  
 CURRENT RATING: 1.5 AMP MIN.  
 CONTACT RESISTANCE: 30 mΩ MAX.  
 INSULATION RESISTANCE: 1000 MΩ MIN @ 500 VDC.  
 DIELECTRIC STRENGTH: 1000 VAC RMS 60Hz (1 MIN.)

**MATERIAL:**

HOUSING MATERIAL: Nylon 4/6 G.F. UL94V-0  
 CONTACT MATERIAL: PHOSPHOR BRONZE 0.46mm.  
 PLATING: GOLD PLATING OVER NICKEL  
 OPERATING LIFE: 750 CYCLES MIN.  
 PCB RETENTION PRE-SOLDER: 1 LB MIN.  
 PCB RETENTION POST-SOLDER: 10 LBS MIN.  
 STORAGE TEMPERATURE: - 40° C TO + 85° C  
 OPERATION TEMPERATURE: 0° C TO + 85° C

**HOW TO ORDER:**

**A** **5** **3** **0** **2** - **2** **2** **0** - **0** **2** **1** - **X** **0** - **Z**

**NUMBER OF POSITIONS:**  
2 - 6 POS

**NUMBER OF CONTACTS:**  
2 - 4 CON

**SHIELD:**  
0 - NON SHIELDED

**NUMBER OF PORTS:**  
2

**ORIENTATION**  
1 - Side Entry Right Angle

**FLANGE:**  
0 - NO FLANGE  
1 - FLANGE

**RoHS COMPLIANT**

**SELECTIVE PLATING:**  
6 - Au FLASH CONTACT AREA/TIN TAIL  
7 - 10u" Au CONTACT AREA/TIN TAIL  
8 - 15u" Au CONTACT AREA/TIN TAIL  
9 - 30u" Au CONTACT AREA/TIN TAIL  
0 - 50u" Au CONTACT AREA/TIN TAIL

NOTE: MATES WITH MODULAR PLUG CONFORMING TO FCC PART 68, SUBPART F.

Rev	Drawn	Checked	Approved	Date	
0	B.S.	S.M.	S.M.	3/22/07	<b>SMP TECHNOLOGY, INC.</b>
A	B.S.	S.M.	S.M.	09/15/10	
B	B.S.	S.M.	S.M.	10/15/10	
C	B.S.	S.M.	S.M.	08/18/11	

RJ12 (6P4C) Right Angle, Modular Jack, 2 Port