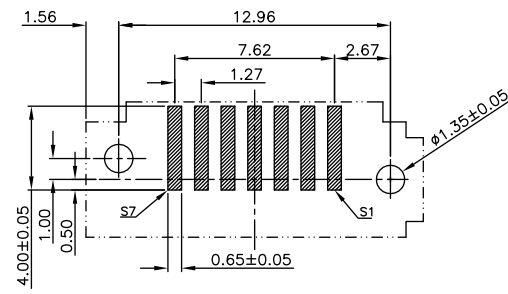


| PIN | SIGNAL NAME |
|-----|-------------|
| S1  | GND         |
| S2  | A+          |
| S3  | A-          |
| S4  | GND         |
| S5  | B-          |
| S6  | B+          |
| S7  | GND         |



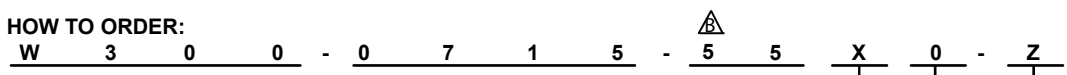
Recommended PCB Layout  
Component Side

**ELETRICAL:**  
 CURRENT RATING: 1.5 A  
 VOLTAGE RATING: 12 VAC max.  
 CONTACT RESISTANCE: 30 mΩ max.  
 DIELECTRIC WITHSTANDING VOLTAGE: 500 VAC for 1 min (sea level)  
 INSULATION RESISTANCE: 1000 MΩ min.

**MATERIAL:**  
 INSULATOR: Thermoplastic - 30% Glass Fiber Reinforced UL94 V-0  
 CONTACTS: Copper Alloy  
 CONTACT PLATING: Selective Gold Plated on Contact Area Over 50 μ" Min. NI Under Plated  
 100 μ" Min. Tin Plating on Solder Tails  
 BOARDLOCKS: Brass

**ENVIRONMENTAL:**  
 TEMPERATURE : -40°C to 105°C

**HOW TO ORDER:**



**SELECTIVE CONTACT PLATING:**  
 1 - 0.127 μm [5 μ"] SELECTIVE GOLD PLATING  
 2 - 0.254 μm [10 μ"] SELECTIVE GOLD PLATING  
 3 - 0.381 μm [15 μ"] SELECTIVE GOLD PLATING  
 4 - 0.508 μm [20 μ"] SELECTIVE GOLD PLATING  
 5 - 0.762 μm [30 μ"] SELECTIVE GOLD PLATING

**PACKAGING:**  
 0 - Tube  
**RoHS COMPLIANT**

| Rev | Drawn | Checked | Approved | Date     |
|-----|-------|---------|----------|----------|
| 0   | B.S.  | S.M.    | S.M.     | 2/12/07  |
| A   | B.S.  | S.M.    | S.M.     | 08/05/13 |
| B   | B.S.  | S.M.    | S.M.     | 07/16/14 |
| C   | B.S.  | S.M.    | S.M.     | 11/19/14 |

**SMP TECHNOLOGY, INC.**  
 SATA, 7 Pin, Male, Vertical, Offset Mounting, Surface Mount; Brass  
 Boardlocks