

Discrete Wire-to-Board; SMD Connector for PCB Board

Series SMD45



- Hombon develops the 1st SMD connector of new SMD45 series into market. The connector of SMD45 series is with push button, it is easy to do wiring and removing wire for various types of wire. The height is only 5.0mm, very suitable for LED lighting equipment and installation inside electronic devices with small space.
- The shape of Hombon's PCB SMD connector of 45 series SMD is tight, which is the ideal choose for PCB surface-mount applications. The connector is using s-type cage spring connection technology, single unit hard wire can insert directly into the connector unit, it is easy and saving time; with push button, connector is convenient for multistoried wire connections. SMD45 insert wires in side, the push button is at the top, its operational direction is from top to bottom, and thus it is saving space.
- In addition, with the tiny shape of SMD45 series and light shades of Shell, it minimizes the effect that the shadows make on the LED lighting devices of PCB Board.
- The PCB-connector of SMD45 series adopts rolling package, which is suitable for automatic assembly. It is suitable for the wire of which connection cross-sectional area is 0.2-0.75mm² (AWG 24-18), the rated current is 9 A, the rated voltage is 320V

APPLICATIONS

1. Connecting discrete wire components directly to the PCB
2. Bringing power and signals onto a PCB
3. Daisy chaining PCB's together to create a continuous string of boards

FEATURES AND BENEFITS

1. Simple strip, insert and removal design
2. SMT RoHS termination to the PCB with minimal footprint
3. Accepts 24-18AWG Solid and Stranded wires
4. Expanded size offering to maximize application potential; 1&2 positions
5. Available in standard black color

ELECTRICAL

- Current Rating: 9 Amps / Contact
- Voltage Rating: 320v AC
- Wire Size: 24-18AWG
0.2-0.75 mm²
- Strip Length: 6-7MM/0.24~0.28 inch

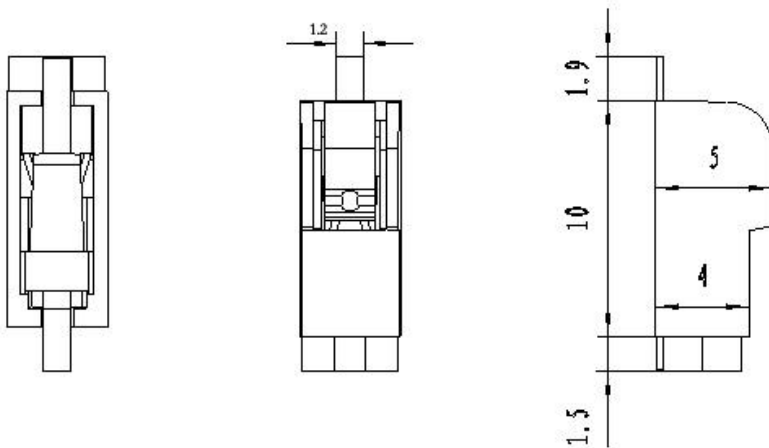
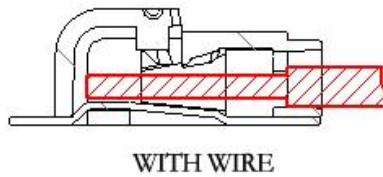
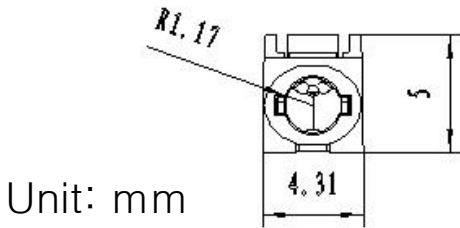
ENVIRONMENTAL

- Operating Temperature:
-40°C to +125°C

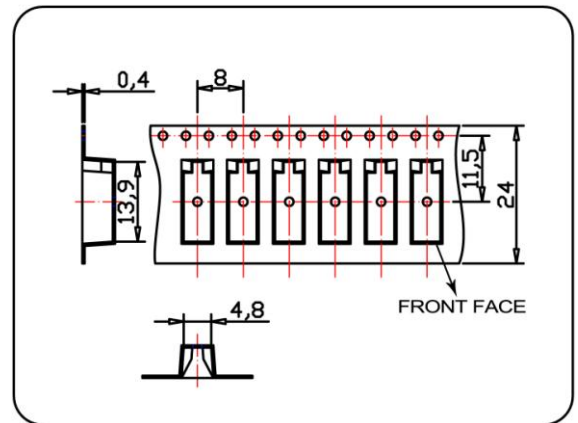
MECHANICAL

- Insulator Material: Nylon46 UL94V0 flame retardant
- Contact Material: Beryllium Copper
- Plating: Tin

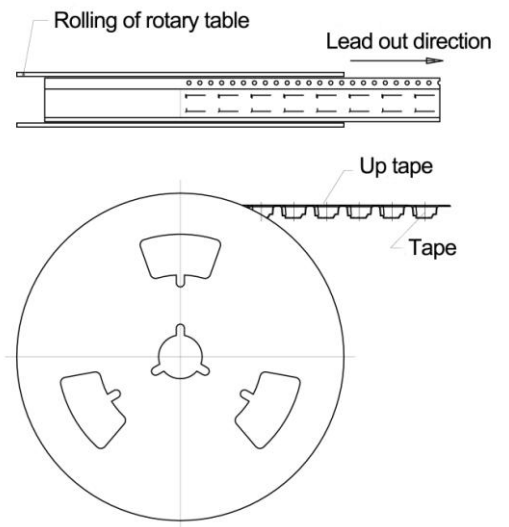
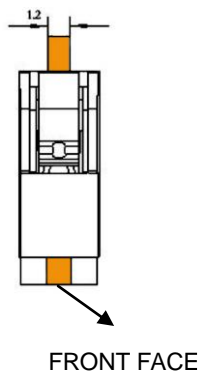
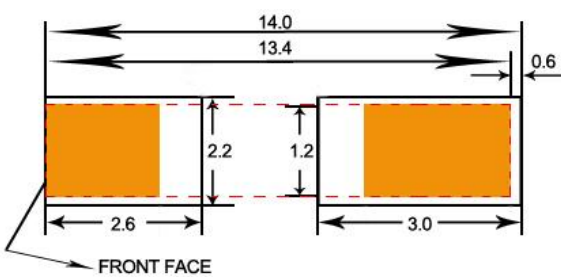
1 WAY WIRE TO BOARD CONNECTOR



PACKING DETAILS



1 WAY PCB BOARD LAYOUT



NOTES:

1. ITEM NO.:SMD451
2. INSULATOR MATERIAL: Nylon46 UL94V0 FLAME-RETARDANT
3. CONTACT MATERIAL: COPPER ALLOY, 0.30MM THICK, TIN PLATED
4. FRONT FACE OF CONNECTOR CAN BE IN LINE WITH EDGE OF PCB.
5. PACKING TAPE AND REEL, QUANTITY 1500 PCS PER REEL.
6. COLOR: BLACK OR AS PER CUSTOMER REQUIREMENT COLOR