

**EMV Compliant**

## TECHNICAL CHARACTERISTICS

### 1. General Characteristics

Dimension: 56.00L x 31.10W x 3.65H mm  
 Weight: Approx 6.1 g  
 Contact principle: Friction technology  
 Operating position: Shaft up / Down / Horizontal  
 Mounting System: SMT Type (with post)  
 Durability: 100,000 cycles min.

### 2. Mechanical Characteristics

Insulation material: Thermoplastic, UL 94V-0  
 RoHS Directive 2011/65/EU Compliant

### 3. Electrical Characteristics

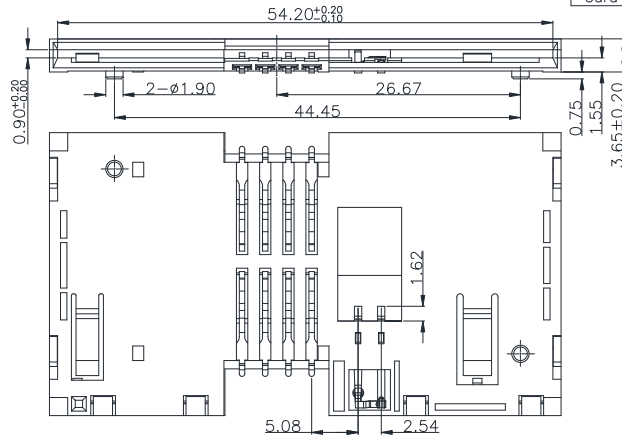
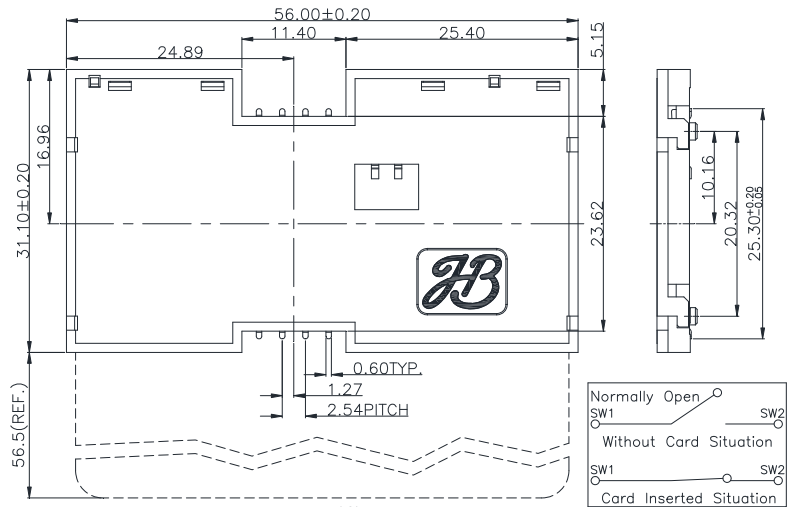
Number of contacts: 8 pins  
 Contact resistance: 50 mΩ typical, 100 mΩ max.  
 Insulation resistance: >1000 MΩ / 500 VDC  
 Switch type: Blade  
 Operation: Normally Open

### 4. Solderability

Wave: Not applicable  
 IR reflow: 260°C, 10 sec. Max.  
 Manual soldering: 360°C, 3 sec. Max.

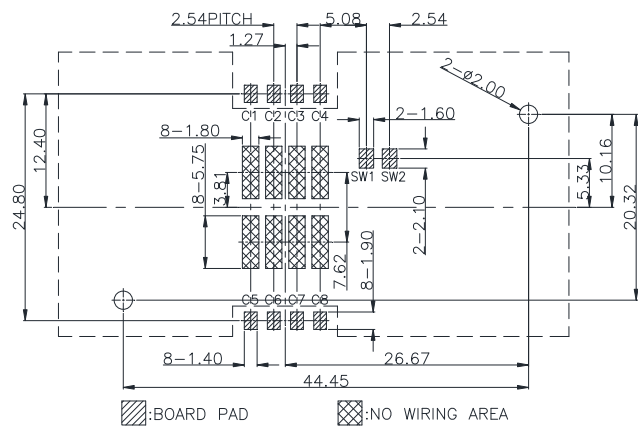
### 5. Environmental Characteristics

Operating temperature: - 40°C ~ + 85°C  
 Operating humidity: 10 % ~ 95 % RH  
 Storage temperature: - 40°C ~ + 85°C  
 Storage humidity: 10 % ~ 95 % RH



Unit: mm, Tolerances: ±0.15 mm

**Mechanical outline dimension**



Unit: mm, Tolerances: ±0.05 mm  
**Reference dimension for PCB layout**

Note:

- Coplanarity of solder pins 0.10mm max.
- Recommended thickness of solder paste > 0.15mm.

**HB Smart Card Acceptor**

**Model No.: ICA-607**

**Revision: 2.4**

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For further information, please contact:

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