

**EMV & PCI Compliant**

## TECHNICAL CHARACTERISTICS

### 1. General Characteristics

Dimension: 56.10L x 40.00W x 6.20H mm

Weight: Approx. 15.0 g

Contact principle: Friction technology

Operating position: Shaft up / Down / Horizontal

Mounting System: SMT Type (with post)

Durability: 200,000 cycles min.

Up to 500,000 cycles

### 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: Sealed

Operation: Normally Open

### 4. Solderability

Wave: Not applicable

IR reflow: 260°C, 10 sec. Max.

Manual soldering: 360°C, 3 sec. Max.

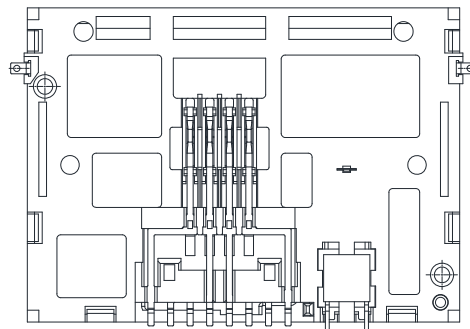
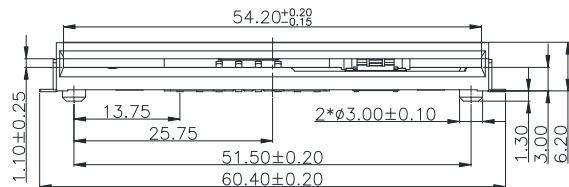
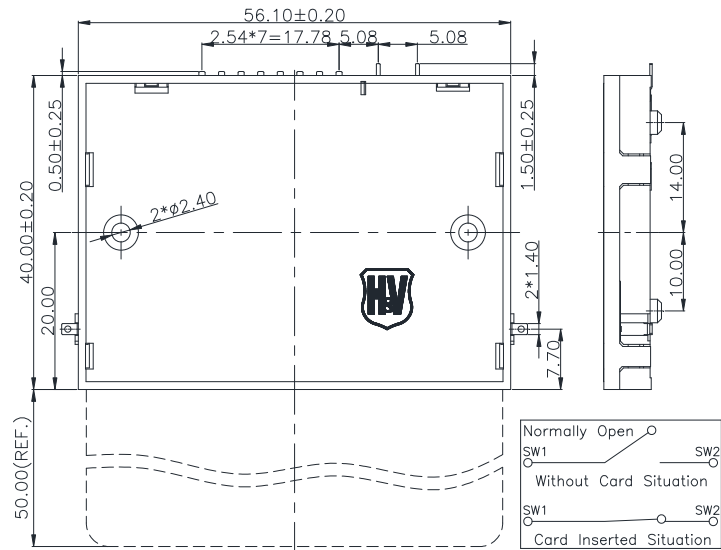
### 5. Environmental Characteristics

Operating temperature: - 40°C ~ + 85°C

Operating humidity: 10 % ~ 95 % RH

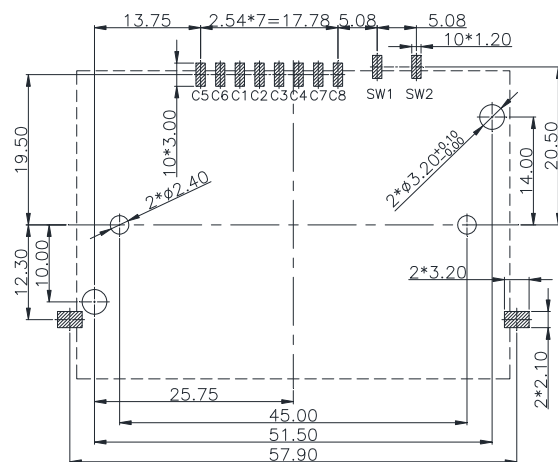
Storage temperature: - 40°C ~ + 85°C

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:

1. Coplanarity of solder pins 0.10mm max.

2. Recommended thickness of solder paste > 0.15mm.

**H&V Smart Card Acceptor**

**Model No.: ICA-616**

**Revision: 2.1**

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