

TECHNICAL CHARACTERISTICS

1. General Characteristics

- Dimensions: 28.70L x 17.50W x 2.50H mm
- 28.70L x 17.50W x 3.00H mm
- 28.70L x 17.50W x 3.50H mm
- 28.70L x 17.50W x 4.30H mm
- 28.70L x 17.50W x 4.70H mm

Weight: Approx. 0.74 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

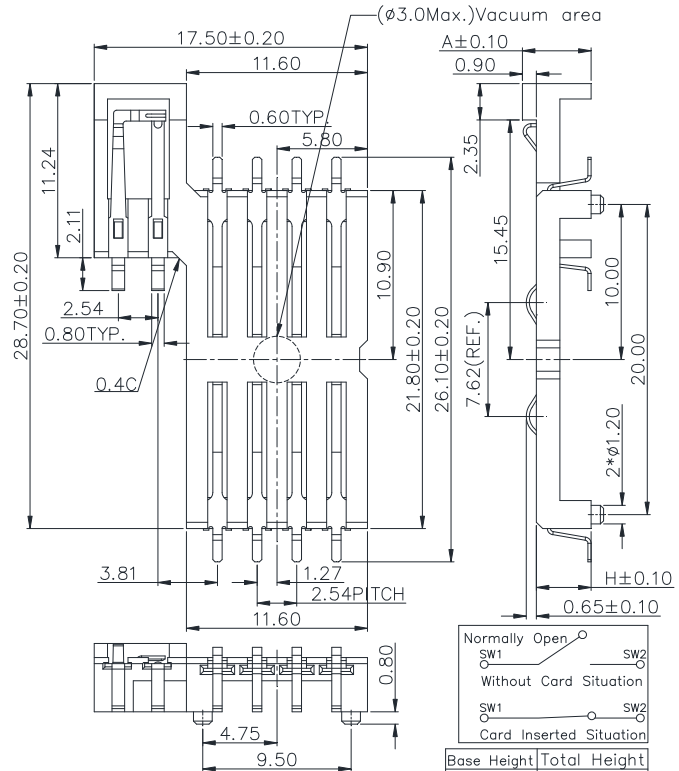
- Number of contacts: 8 pins
- Contact resistance: 50 mΩ typical, 100 mΩ max.
- Insulation resistance: >1000 MΩ / 500 VDC
- Switch type: Blade
- Operation: Normally Open

4. Solderability

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

5. Environmental Characteristics

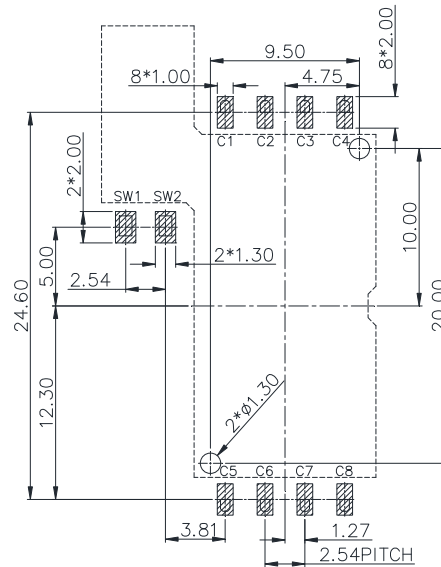
- Operating temperature: - 40°C ~ + 85°C
- Operating humidity: 10 % ~ 95 % RH
- Storage temperature: - 40°C ~ + 85°C
- Storage humidity: 10 % ~ 95 % RH



Recommend card slot height: 1.0 mm

※Metal switch can't be touched. Must keep 0.1 mm min. gap above switch.

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.

H&V Smart Card Connector

Model No.: ICC-306

Revision: 2.3 Date: APR. 08, 2015

For further information, please contact:

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