

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 4.20H mm
- 28.70L x 17.50W x 4.70H mm

Weight: Approx. 0.68 ~ 0.80 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

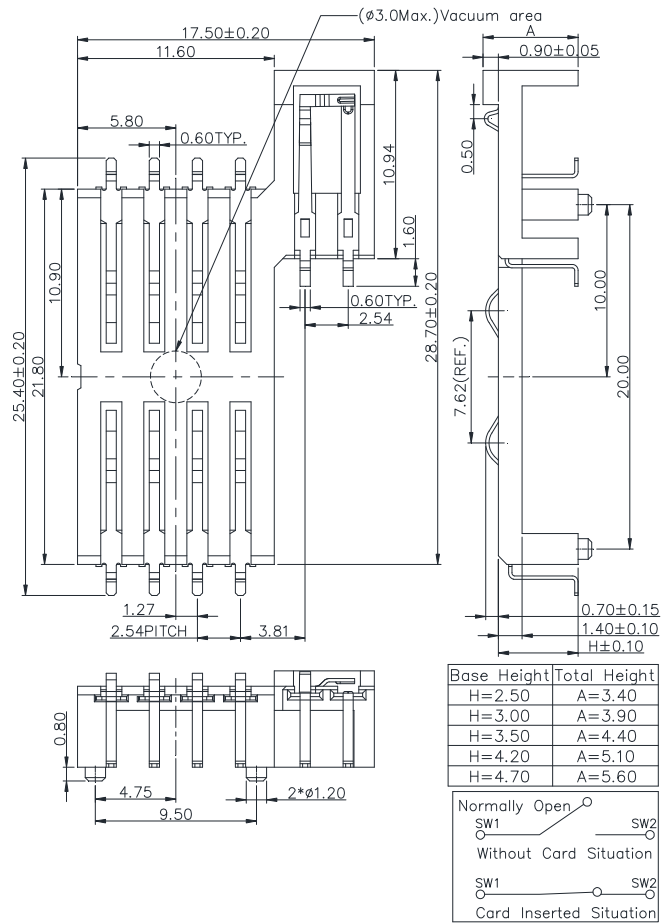
- Number of contacts: 8 pins
- Contact resistance: 50 mΩ typical, 100 mΩ max.
- Insulation resistance: >1000 MΩ / 500 VDC
- Switch type: Blade
- Operation: Normally Open

4. Solderability

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

5. Environmental Characteristics

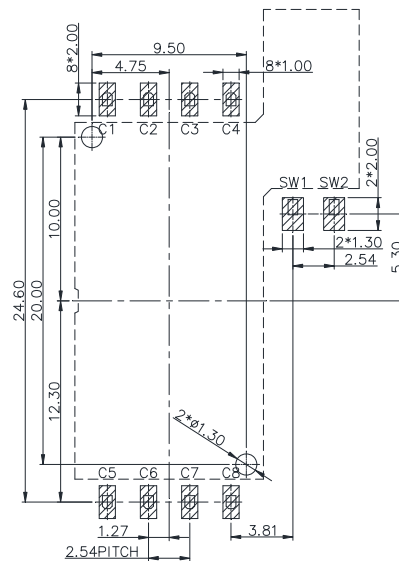
- Operating temperature: - 40°C ~ + 85°C
- Operating humidity: 10 % ~ 95 % RH
- Storage temperature: - 40°C ~ + 85°C
- Storage humidity: 10 % ~ 95 % RH



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

H&V Smart Card Connector

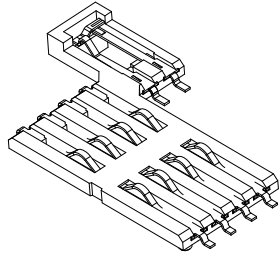
Model No.: ICC-312 Type1

Revision: 1.7

Date: MAY 01, 2014

Note:

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



TECHNICAL CHARACTERISTICS

1. General Characteristics

Dimension: 28.70L x 17.50W x 1.40H mm
 Weight: Approx. 0.67 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

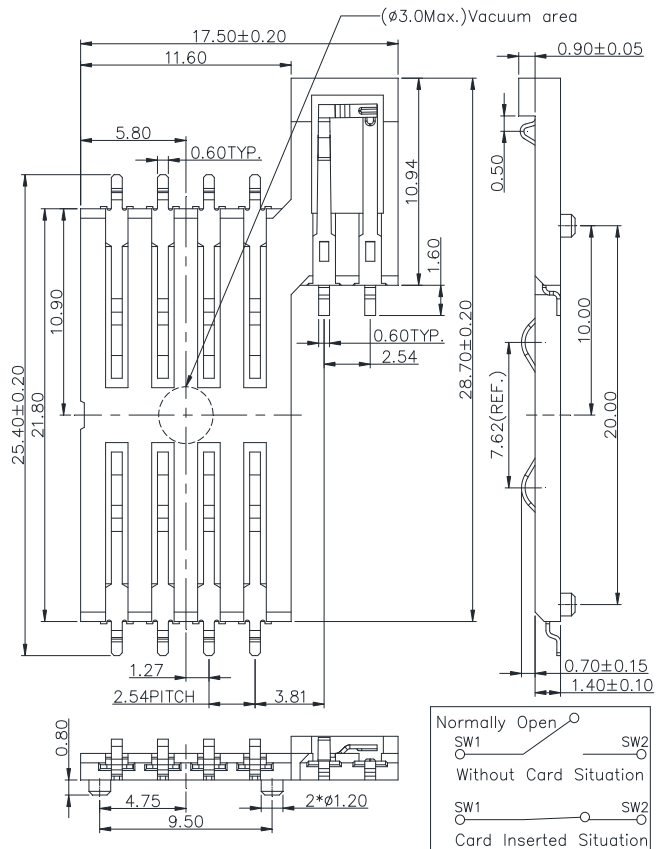
Number of contacts: 8 pins
 Contact resistance: 50 mΩ typical, 100 mΩ max.
 Insulation resistance: >1000 MΩ / 500 VDC
 Switch type: Blade
 Operation: Normally Open

4. Solderability

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

5. Environmental Characteristics

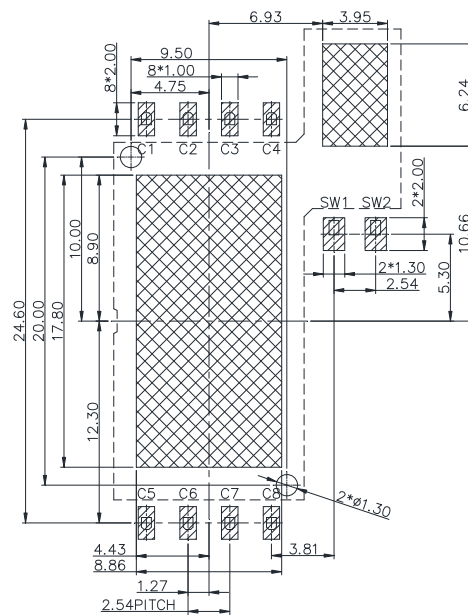
Operating temperature: - 40°C ~ + 85°C
 Operating humidity: 10 % ~ 95 % RH
 Storage temperature: - 40°C ~ + 85°C
 Storage humidity: 10 % ~ 95 % RH



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



▨: BOARD PAD ▩: NO WIRING AREA

Unit: mm; Tolerances: ±0.05 mm
Reference dimension for PCB layout

H&V Smart Card Connector

Model No.: ICC-312 Type1 H=1.4

Revision: 1.7

Date: MAY 01, 2014

Note:

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