

TECHNICAL CHARACTERISTICS

1. General Characteristics

Dimensions: 28.70L x 17.50W x 3.00H mm
28.70L x 17.50W x 4.70H mm

Weight: Approx. 0.76 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.

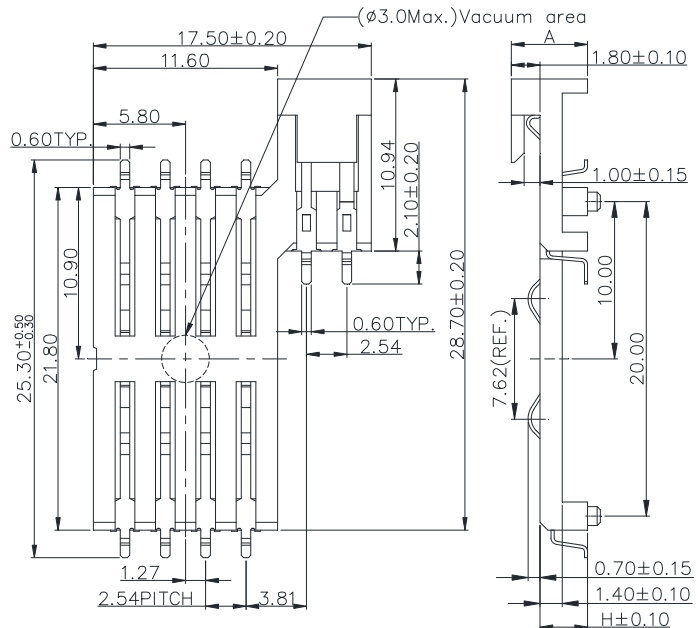
5. Environmental Characteristics

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

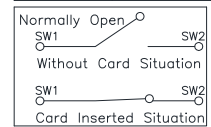
Operating humidity: 10 % ~ 95 % RH

Storage temperature: - 40°C ~ + 85°C

Storage humidity: 10 % ~ 95 % RH



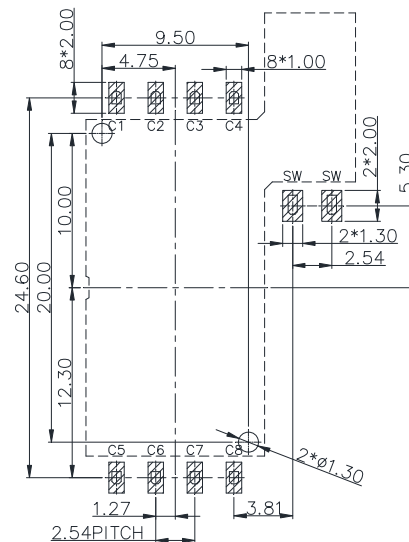
Base Height	Total Height
H=3.00	A=4.80
H=4.70	A=6.50



Recommend card slot height: 1.0 mm

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 Connector

Model No.: ICC-312 Type2

Revision: 1.0

Date: JUL. 02, 2014