

TECHNICAL CHARACTERISTICS

1. General Characteristics

Dimensions: 28.77L x 18.97W x 1.30H mm
28.77L x 18.97W x 1.55H mm
28.77L x 18.97W x 2.00H mm

Weight: Approx. 0.71 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.

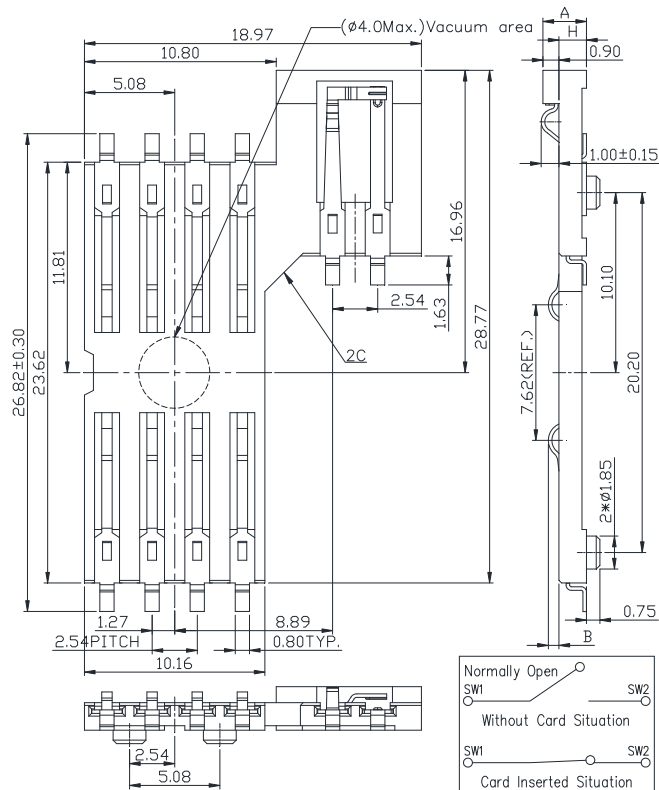
5. Environmental Characteristics

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

Operating humidity: 10 % ~ 95 % RH

Storage temperature: - 40°C ~ + 85°C

Storage humidity: 10 % ~ 95 % RH



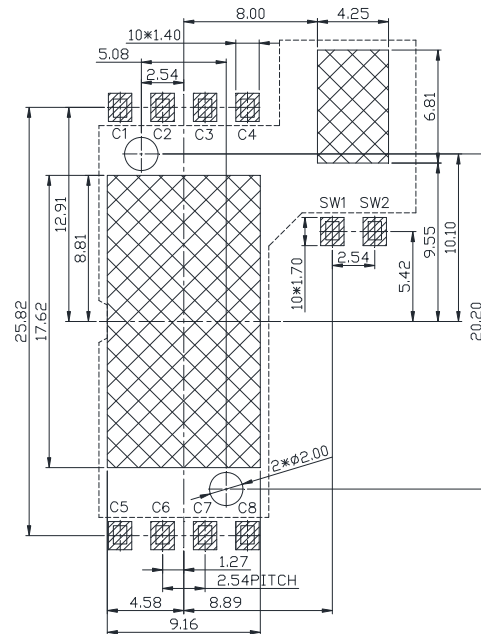
Base Height	Total Height	Contact Height
H=1.30	A=2.20	B=0.60 ^{+0.05} _{-0.10}
H=1.55	A=2.45	B=0.75 ^{+0.05} _{-0.10}
H=2.00	A=2.90	B=0.75 ^{+0.05} _{-0.10}

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-301

Revision: 2.3

Date: MAY 01, 2014

Note:

1. Coplanarity of solder pins 0.10mm max.

2. Recommended thickness of solder paste > 0.15mm.