

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. 0.65 g
 Contact principle: Friction technology
 Operating position: Shaft up / Down / Horizontal
 Mounting System: SMT with post
 Durability: 100,000 cycles min.

2. Mechanical Characteristics:

Insulation material: Thermoplastic, UL 94V-0

3.Electrical Characteristics

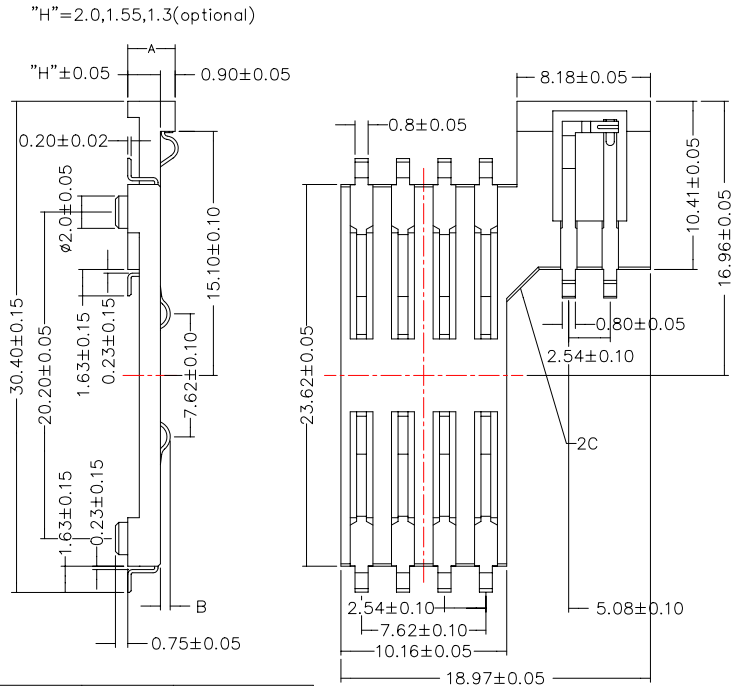
Number of contacts: 8 pins
 Contact resistance: 50 mΩ typical, 100 mΩ max.
 Insulation resistance: > 1000 MΩ / 500 VDC
 Switch Type: Blade
 Operation: Normally Open

4. Solderability

Wave: Not applicable
 Vapor phase: 215°C, 30 sec. Max.
 IR reflow: 230°C, 15 sec. Max.
 Manual soldering: 360°C, 3 sec. Max.

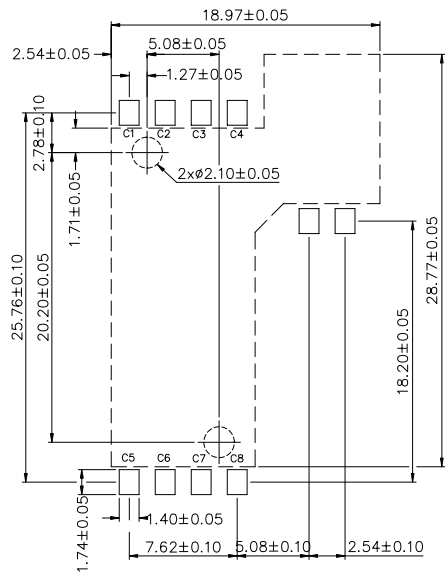
5. Environmental Characteristics

Operating temperature: - 40°C ~ + 85°C
 Operating humidity: 10 % ~ 95 % RH
 Storage temperature: - 40°C ~ + 85°C
 Storage humidity: 10 % ~ 95 % RH
 Thermal shock: - 40°C ~ + 85°C, 5 cycles
 Damp Heat: 40°C, 90 % RH, 500HR.
 Salt-mist: 35°C, 5%, NaCl , 48HR.



Base Height	Total Height	Cp8 Height
H=2.00	A=2.90	B=0.70±0.10
H=1.55	A=2.45	B=0.60 ^{+0.05} _{-0.10}
H=1.30	A=2.20	

Unit: mm; Tolerances: ±0.10mm
Mechanical outline dimension



Unit: mm; Tolerances: ±0.10mm
Reference dimension for PCB layout

H&V Smart Card Connector

Model No.: ICC-301

Revision: 1.5

Date: DEC. 01, 2003