

**TECHNICAL CHARACTERISTICS**

**1.General Characteristics**

Dimensions: 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. 0.75 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**

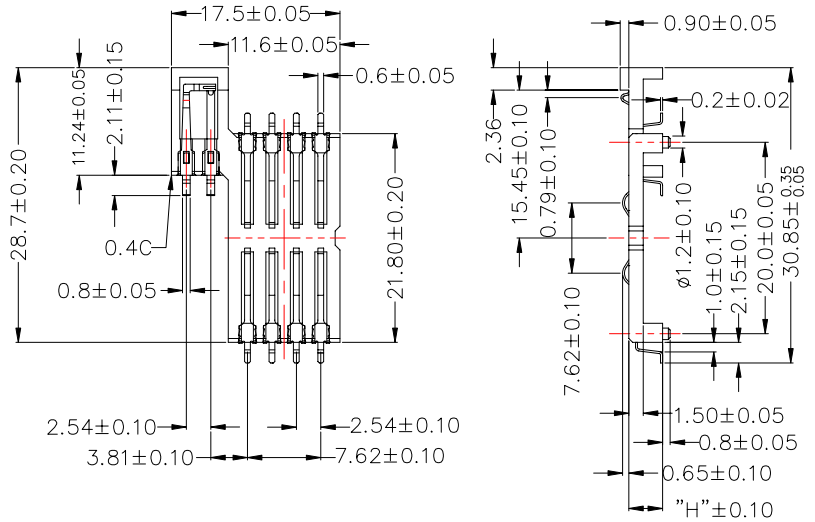
Number of contacts: 8 pins  
 Contact resistance: 50 mΩ typical, 100 mΩ max.  
 Insulation resistance: > 1000 MΩ / 500 VDC  
 Switch type: Blade  
 Operation: Normally Open

**4. Solderability**

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

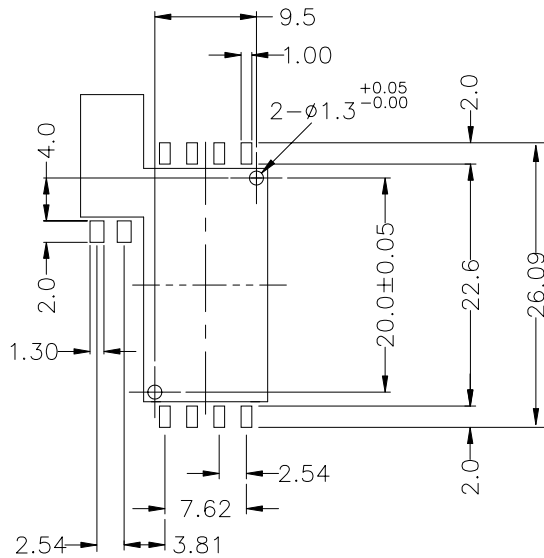
**5. Environmental Characteristics**

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 , 48H.



H= 3.0, 3.5, 4.3, 4.7 Optional  
 Stopper Height: 3.90, 4.40, 5.20, 5.60

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-306**

**Revision: 1.5**

**Date: DEC. 01, 2003**