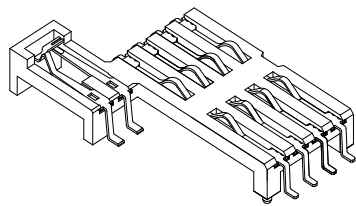




**ALTERNATIVE  
COMPONENT  
SOURCE**

a Major League Electronics Company

2533 Centennial Blvd. Jeffersonville, Indiana, USA 47130



## 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 4.30H mm  
 28.70L x 17.50W x 4.70H mm

Weight: Approx. 0.74 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

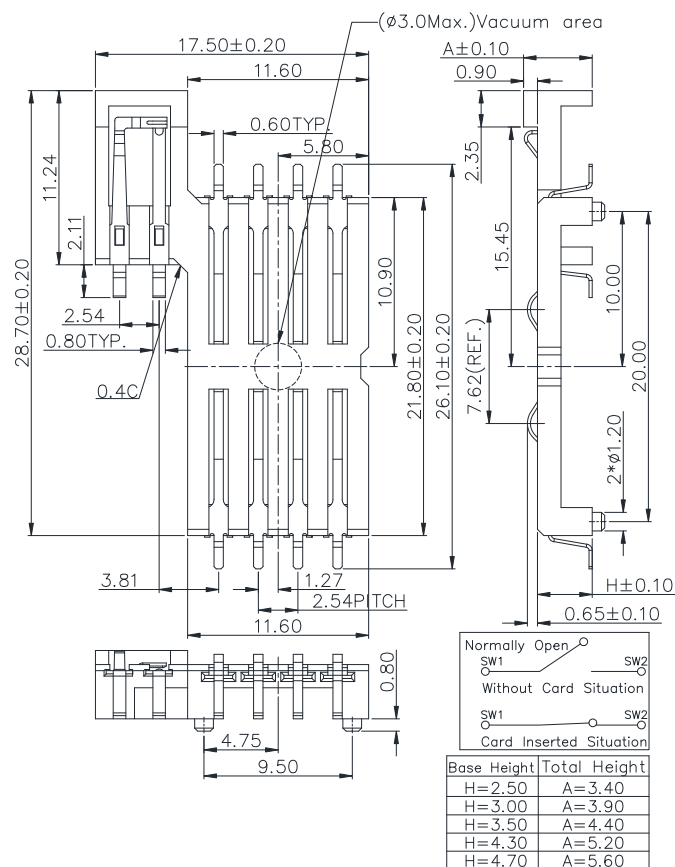
Number of contacts: 8 pins  
 Contact resistance: 50 mΩ typical, 100 mΩ max.  
 Insulation resistance: >1000 MΩ / 500 VDC  
 Switch type: Blade  
 Operation: Normally Open

### 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

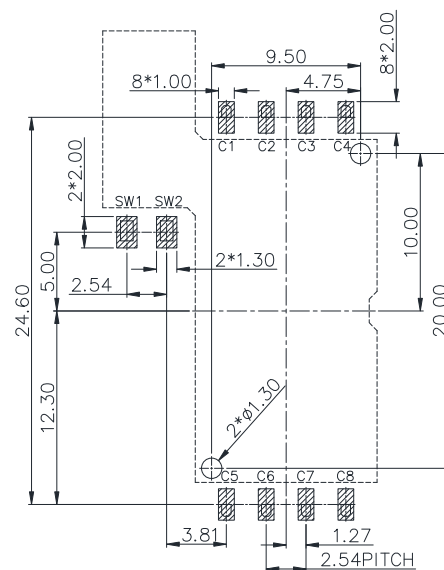


Recommend card slot height: 1.0 mm

※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**

Note:

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

**Smart Card Connector**

**Model No.: ICC-306**

**Revision: 2.3**

**Date: APR. 08, 2015**

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