

**EMV Compliant**

## TECHNICAL CHARACTERISTICS

### 1.General Characteristics

Dimensions: 55.50L x 40.00W x 5.80H mm  
 Weight: Approx. 12 g  
 Contact principle: Friction technology  
 Operating position: Shaft up / Down / Horizontal  
 Mounting System: Thru-HoleType  
 Durability: 100,000 cycles min.

### 2. Mechanical Characteristics:

Insulation material: Thermoplastic, UL 94V-0

### 3.Electrical Characteristics

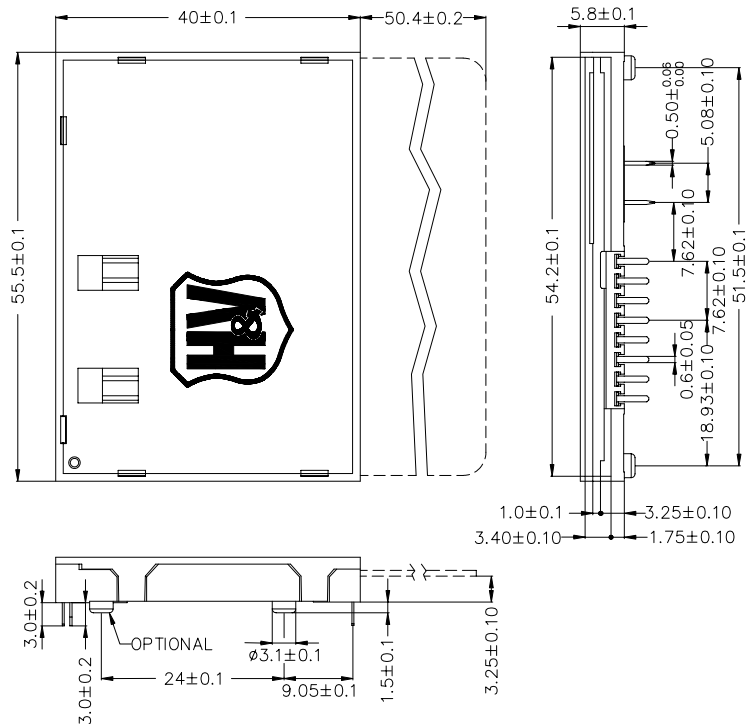
Number of contacts: 8 pins  
 Contact resistance: 50 mΩ typical, 100 mΩ max.  
 Insulation resistance: > 1000 MΩ / 500 VDC  
 Switch type: Sealed  
 Operation: Normally Open

### 4. Solderability

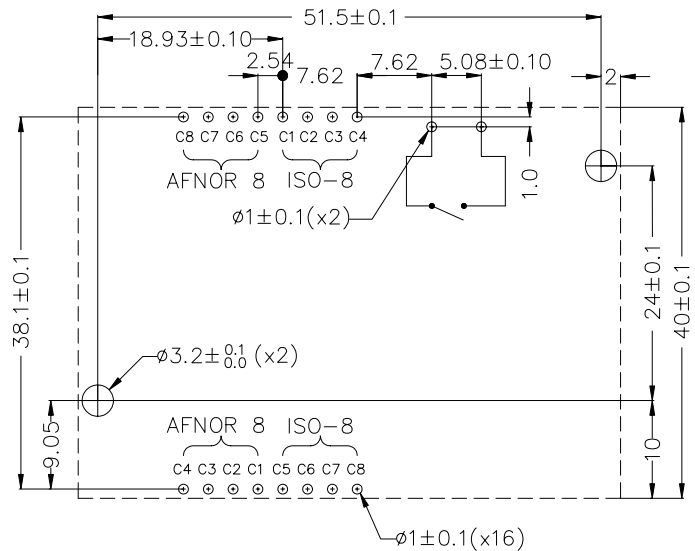
Wave: 260°C, 5 sec. Max  
 Vaporphase: Not Applicable  
 IR reflow: Not Applicable  
 Manual soldering: 360°C, 3 sec. Max.

### 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.



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



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

**H&V Smart Card Acceptor**

**Model No.: ICA-602 Thru-Hole**

**Revision:1.5**

**Date: DEC. 01, 2003**