

EMV Compliant

TECHNICAL CHARACTERISTICS

1. General Characteristics

Dimension: 55.50L x 40.00W x 5.80H mm
Weight: Approx. 12.6 g
Contact principle: Landing technology
Operating position: Shaft up / Down / Horizontal
Mounting System: DIP or SMT Type
Durability: 200,000 cycles min.

2. Mechanical Characteristics

Insulation material: Thermoplastic, UL 94V-0
RoHS Directive 2002/95/EC Compliant

3. Electrical Characteristics

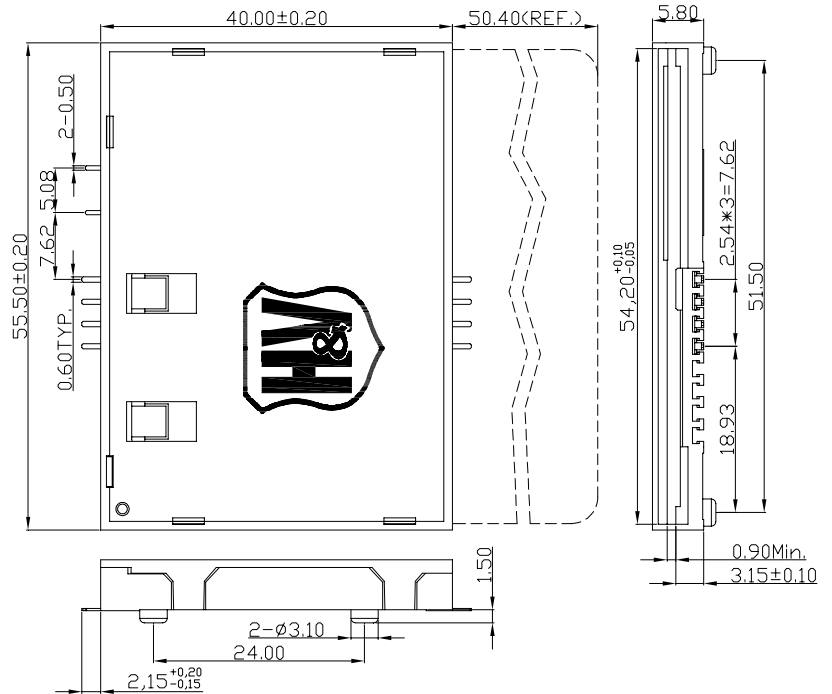
Number of contacts: 8, 16 pins (optional)
Contact resistance: 50 mΩ typical, 100 mΩ max.
Insulation resistance: >1000 MΩ / 500 VDC
Switch type: Sealed
Operation: Normally Open

4. Solderability

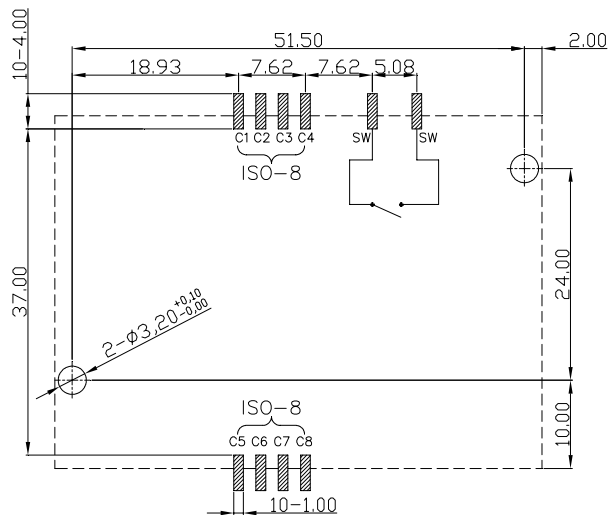
Wave: 260°C, 5 sec. Max.
IR reflow: Not applicable
Manual soldering: 360°C, 3 sec. Max.

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



Unit: mm; Tolerances: ±0.15 mm
Mechanical outline dimension



Unit: mm; Tolerances: ±0.05 mm
Reference dimension for PCB layout

H&V Smart Card Acceptor

Model No.: ICA-700 8Pin SMT

Revision: 1.9

Date: OCT. 25, 2007