

EMV Compliant

TECHNICAL CHARACTERISTICS

1.General Characteristics

Dimensions: 55.50L x 40.00W x 5.80H mm

Weight: Approx. 11.5g

Contact principle: Landing technology

Operating position: Shaft up / Down / Horizontal

Mounting System: SMT Type

Durability: 200,000 cycles min.

2. Mechanical Characteristics:

Insulation material: Thermoplastic, UL 94V-0

3.Electrical Characteristics

Number of contacts: 8pins

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

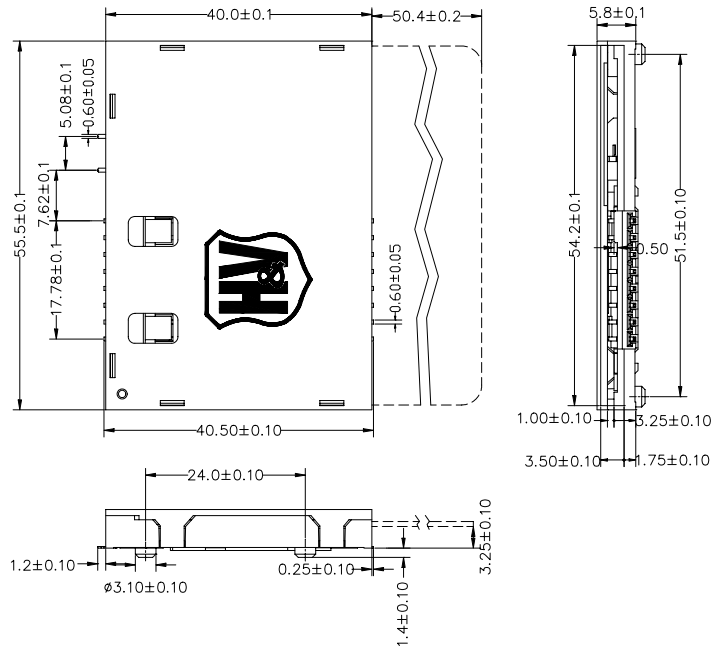
Storage temperature: - 40°C ~ + 85°C

Storage humidity: 10 % ~ 95 % RH

Thermal shock: - 40°C ~ + 85°C, 5 cycles

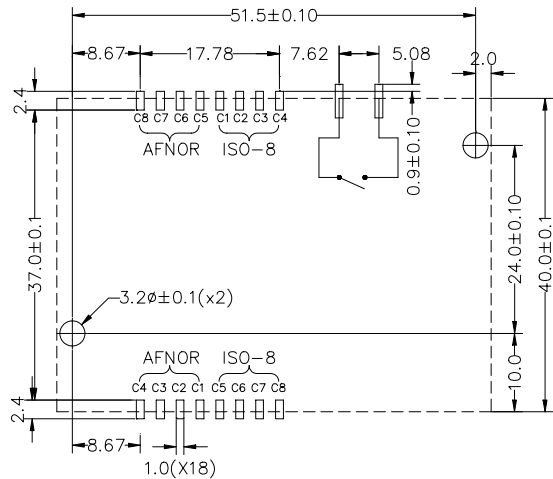
Damp Heat: 40°C, 90 % RH, 500HR.

Salt-mist: 35°C, 5%, NaCl, 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-702 SMT Short pin

Revision: 1.1

Date: DEC. 01, 2003