

## EMV & NDS & PCI Compliant Reverse Type

### TECHNICAL CHARACTERISTICS

#### 1. General Characteristics

- Dimensions: 61.10L x 40.00W x 5.90H mm
- 61.10L x 40.00W x 7.80H mm
- 61.10L x 40.00W x 8.90H mm
- 61.10L x 40.00W x 10.65H mm
- 61.10L x 40.00W x 11.45H mm

Standoff H= 0.00, 1.90, 3.00, 4.75, 5.55 mm

Weight: Approx. 8.5 g

Contact principle: Friction technology

Operating position: Shaft up / Down / Horizontal

Mounting System: Thru-Hole with snap-in lock

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 Close

#### 4. Solderability

Wave: 260°C, 5 sec. Max.

IR reflow: Not applicable

Manual soldering: 360°C, 3 sec. Max.

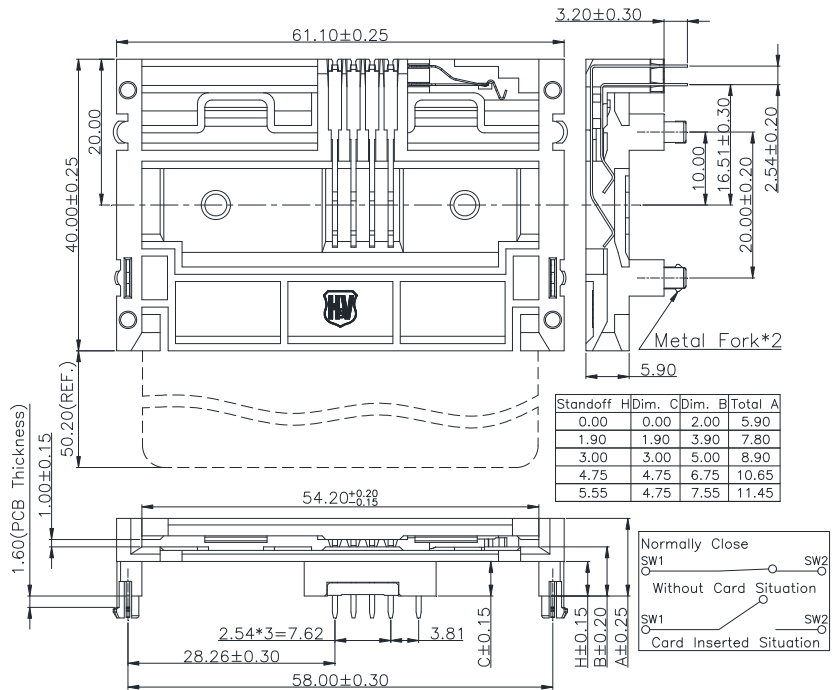
#### 5. Environmental Characteristics

Operating temperature: - 40°C ~ + 85°C

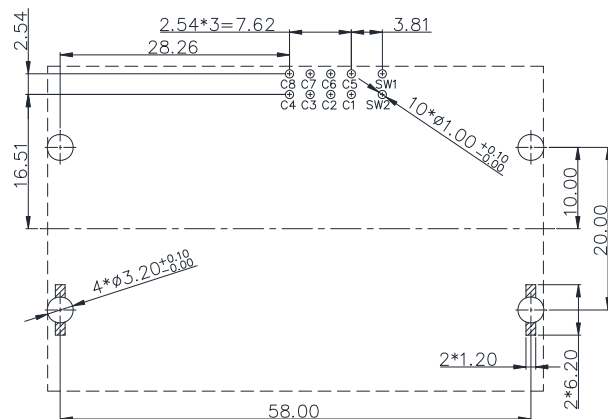
Operating humidity: 10 % ~ 95 % RH

Storage temperature: - 40°C ~ + 85°C

Storage humidity: 10 % ~ 95 % RH



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



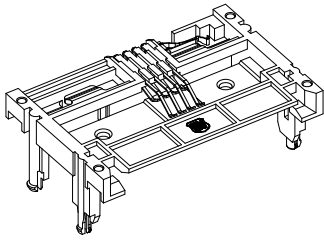
Unit: mm; Tolerances: ±0.05 mm  
Reference dimension for PCB layout

H&V Smart Card Acceptor

Model No.: ICA-611

Revision: 1.3

Date: MAY 01, 2014



## EMV & NDS & PCI Compliant Reverse Type

### TECHNICAL CHARACTERISTICS

#### 1. General Characteristics

Dimensions: 61.10L x 40.00W x 15.90H mm  
 61.10L x 40.00W x 23.00H mm  
 Standoff H= 10.00, 17.10 mm  
 Weight: Approx. 10.65 g  
 Contact principle: Friction technology  
 Operating position: Shaft up / Down / Horizontal  
 Mounting System: Thru-Hole with snap-in lock  
 Durability: 100,000 cycles min.

#### 2. Mechanical Characteristics

Insulation material: Thermoplastic, UL 94V-0  
 RoHS Directive 2011/65/EU Compliant

#### 3. Electrical Characteristics

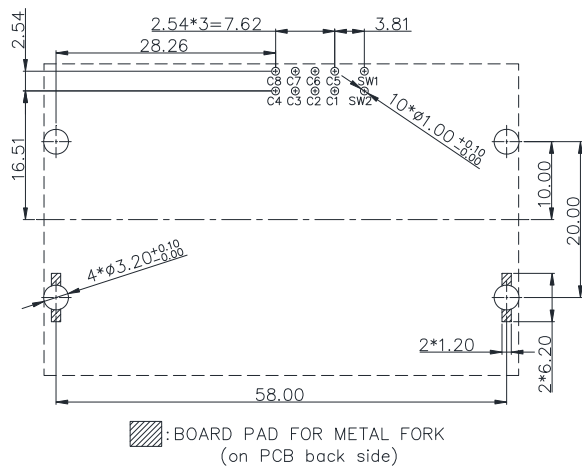
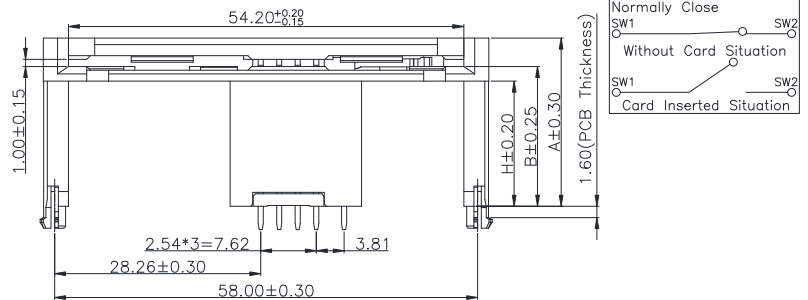
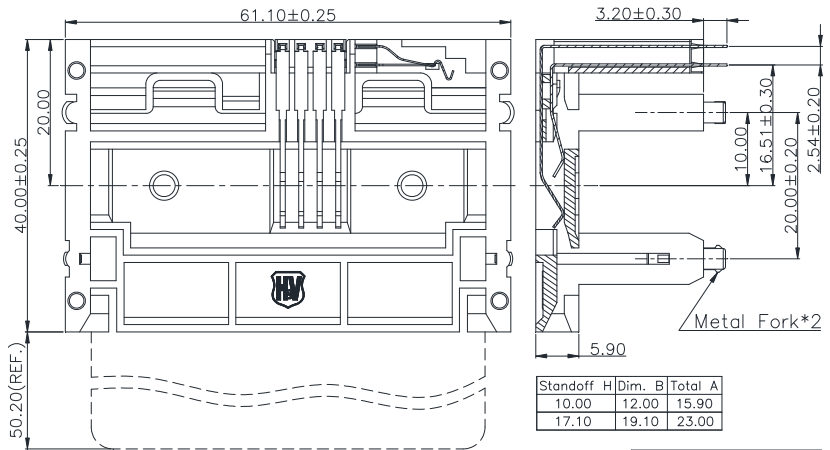
Number of contacts: 8 pins  
 Contact resistance: 50 mΩ typical, 100 mΩ max.  
 Insulation resistance: >1000 MΩ / 500 VDC  
 Switch type: Blade  
 Operation: Normally Close

#### 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



H&V Smart Card Acceptor

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