

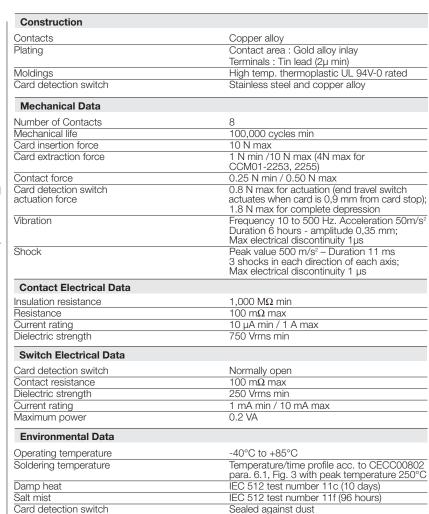
# EMV™ compatible

The CCM01 MK II connectors with fixed contacts have been developed for applications where a landing contact mechanism is not required but performance and reliability are still key considerations.

#### **Features**

- Available with 8 contacts which are designed to give a consistently reliable normal force over the life of the connector.
- For added reliability, the card detection switch (which is normally open) is sealed against dust and debris.
- Available with through-hole or surface mount contact termination and its lightweight design means that the connector can be automatically pick-and-placed.
- The moldings are made from high temperature thermoplastics suited for infrared and convection soldering processes.
- Plastic springs in the cover give a
  positive feel as the card is fully inserted.
  In case of special version with low card
  insertions and withdrawal, then the
  CCM connector is supplied without this
  spring effect.
- The reduced size of the contact base saves PCB space, making the connector more stable during soldering. This creates an air gap between the contacts and card entry slot which reduces the risk of an electrostatic transfer to the PCB.
- By using an inlay finish in the contact area, the life of the precious metal is extended by more than 10 times that of standard gold plating.
- A chamfered opening to the card entry slot improves the card guidance into the connector.
- The contact area is spooned to reduce the risk of accidental (or deliberate) damage and to optimize the electrical connection with the card.
- Robustly formed printed circuit tails allow a coplanarity of ± 0.05 mm to be maintained.

EMV™ is a trademark owned by EMVCoLLC.



### **Ordering Code**

Part Number	Number of Contacts	Termination Tail Design	Retention Force	Packaging Multiple
CCM01-2064	8	THT w/board lock	<10N	300
CCM01-2065	8	SMT w/board lock	<10N	300
CCM01-2251	8	SMT	<10N	300
CCM01-2253	8	SMT	<4N	300
CCM01-2255	8	Through-hole	<4N	300

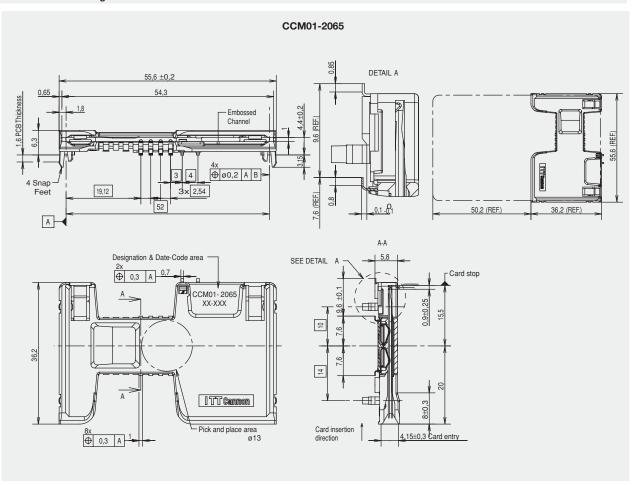
### Packaging

30 per tray, 10 trays per box.



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### **Dimensional Drawings**



## **PCB** Layout

# CCM01-2065 (8 contacts SMT with board lock) (Component side) Plastic outline Contact foot area 0,8 x 1 10 Drawings shown for reference only. For other part Card end trave numbers please consult your local Cannon Customer Service Center. 0,85 x 0,7 0 19 9 9 9 C5 C6 C7 C8 14 4x ⊕ ø0,1 0,2 Unless otherwise stated, tolerances are $\pm$ 0,10 mm Contact location according to ISO 7816-2



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Dimensions are shown in mm Dimensions subject to change