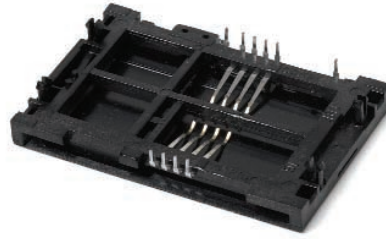


# CCM01 MK I



CCM01 MK I connectors have fixed contacts and a blade card detection switch unsealed.

These connectors are intended for applications where the card usage is relatively low and the environment is benign.

## Features

- Available with 8 through hole contacts.
- A normally closed blade switch detects when the card is fully inserted.
- Snap in boardlocks hold the connector in place prior to soldering.

### Construction

Contacts	Copper alloy
Plating	Contact area : Gold over nickel Terminals : Tin lead (2 $\mu$ min)
Moldings	Thermoplastic UL 94V-0 rated
Card detection switch	Copper alloy

### Mechanical Data

Number of Contacts	8
Mechanical life	10,000 cycles min
Card insertion force	10 N max
Card extraction force	1 N min / 10N max
Contact force	0.20 N min / 0.60 N max
Vibration	Frequency 10 to 500 Hz. Acceleration 50m/s <sup>2</sup> Duration 6 hours - amplitude 0.35 mm (0.014) Max electrical discontinuity 1 $\mu$ s
Shock	Peak value 500 m/s <sup>2</sup> – Duration 11 ms 3 shocks in each direction of each axis Max electrical discontinuity 1 $\mu$ s

### Contact Electrical Data

Insulation resistance	1,000 M $\Omega$ min
Resistance	100 m $\Omega$ max
Current rating	10 $\mu$ A min / 1 A max
Dielectric strength	750 Vrms min

### Switch Electrical Data

Card detection switch	Normally closed
Contact resistance	100 m $\Omega$ max
Dielectric strength	250 Vrms min
Current rating	1 mA min /10 mA max
Maximum power	0.2 VA

### Environmental Data

Operating temperature	-40°C to +85°C
Soldering temperature	Wave : 260°C / 5 sec
Damp heat	IEC 512 test number 11c (10 days)
Salt mist	IEC 512 test number 11f (96 hours)
Card detection switch	Not sealed blade switch

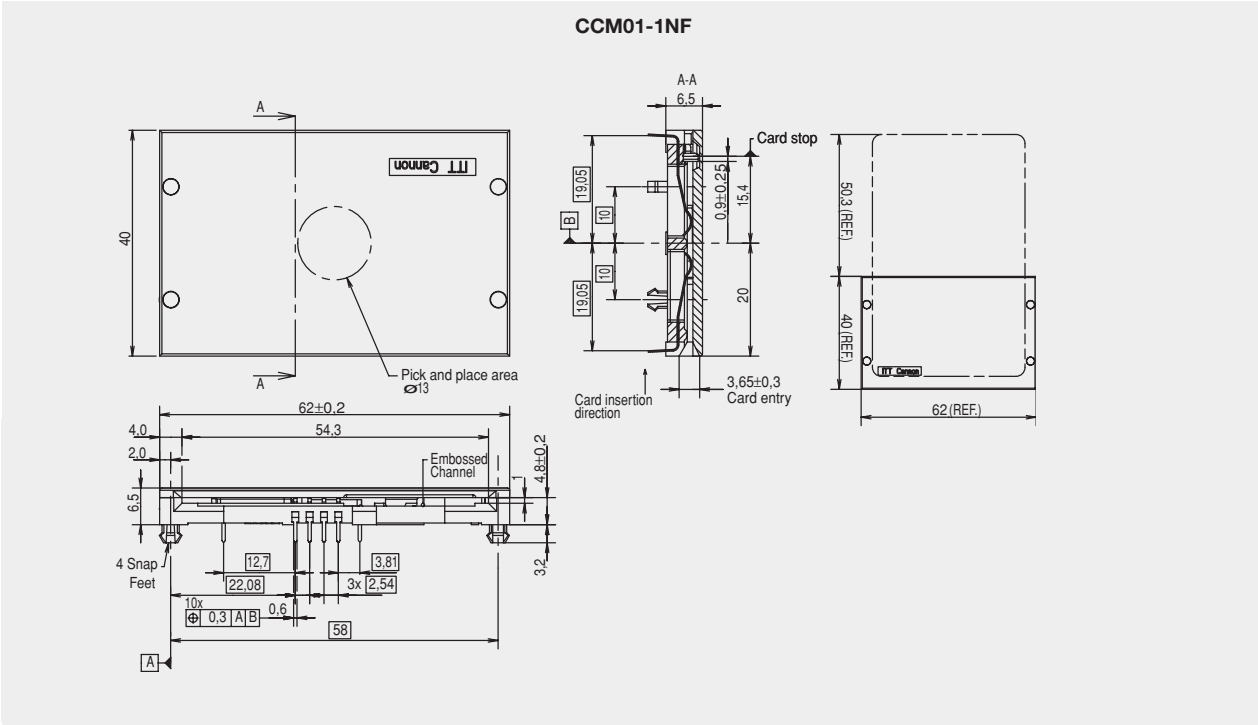
### Ordering Code

Part Number	Number of Contacts	Packaging Multiple
CCM01-1NF	8	200

### Packaging

20 per tray, 10 trays per box.

## Dimensional Drawings



## PCB Layout

