

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 (2μ 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 ² Duration 6 hours - amplitude 0.35 mm (0.014) Max electrical discontinuity 1μs
Shock	Peak value 500 m/s ² – Duration 11 ms 3 shocks in each direction of each axis Max electrical discontinuity 1 μs

Contact Electrical Data

Insulation resistance	1,000 MΩ min
Resistance	100 mΩ max
Current rating	10 μA min / 1 A max
Dielectric strength	750 Vrms min

Switch Electrical Data

Card detection switch	Normally closed
Contact resistance	100 mΩ 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

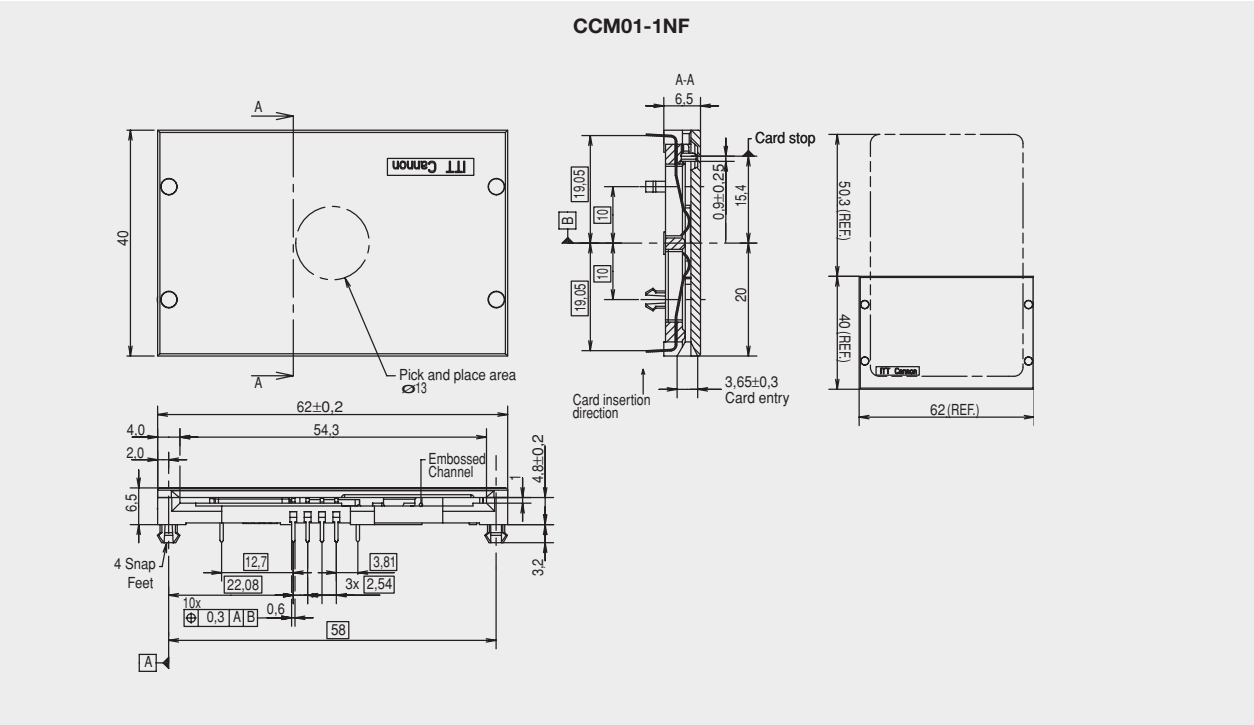
Ordering Code

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

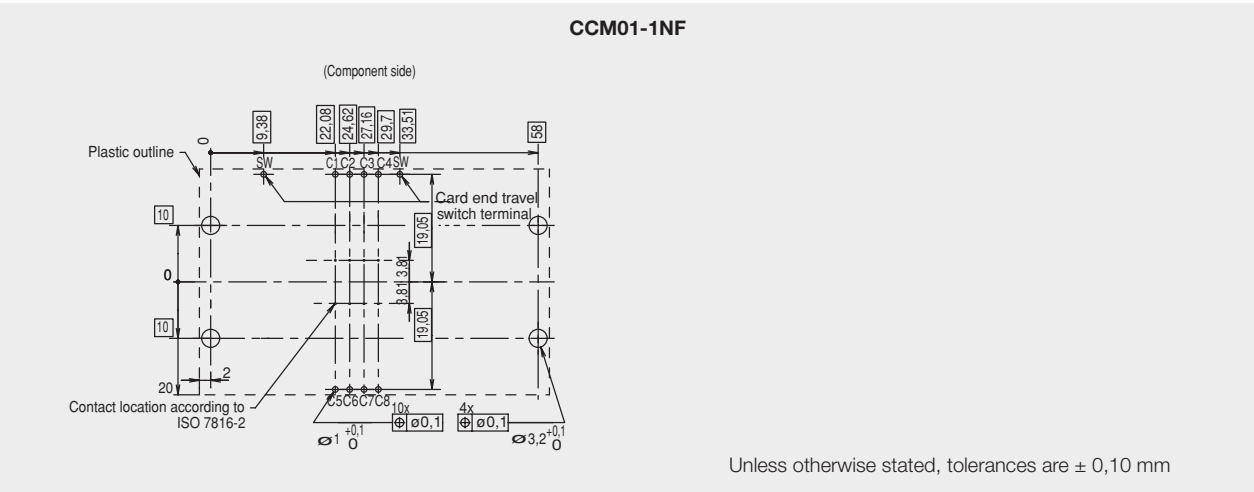
Packaging

20 per tray, 10 trays per box.

Dimensional Drawings



PCB Layout



Unless otherwise stated, tolerances are $\pm 0,10$ mm