

CCM02 MK I is a connector with landing contacts.

## Features

- Available with 8 through hole contacts.
- 100,000 card insertion cycles.
- The contacts do not touch the card until it is almost fully inserted - a minimal wiping action removes any non-conductive material.
- The connector has been designed to give a positive feel as the card is fully inserted.
- For added reliability, the integrated card end-travel switch (which is normally open) is sealed against dust and grit.

## Construction

Contacts	Copper alloy
Plating	Contact area : Gold over Nickel Terminals : Tin lead (2μ min)
Moldings	Thermoplastic UL 94V-0 rated

## Mechanical Data

Number of Contacts	8
Mechanical life	100,000 cycles min
Card insertion force	10 N max
Card extraction force	1 N min / 10 N max
Contact force	0.15 N min / 0.35 N max
Vibration	Frequency 10 to 500 Hz. Acceleration 50m/s <sup>2</sup> Duration 6 hours - amplitude 0,35 mm Max electrical discontinuity 1μs
Shock	Peak value 500 m/s <sup>2</sup> – 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 open
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	Sealed IP 54

## Ordering Code

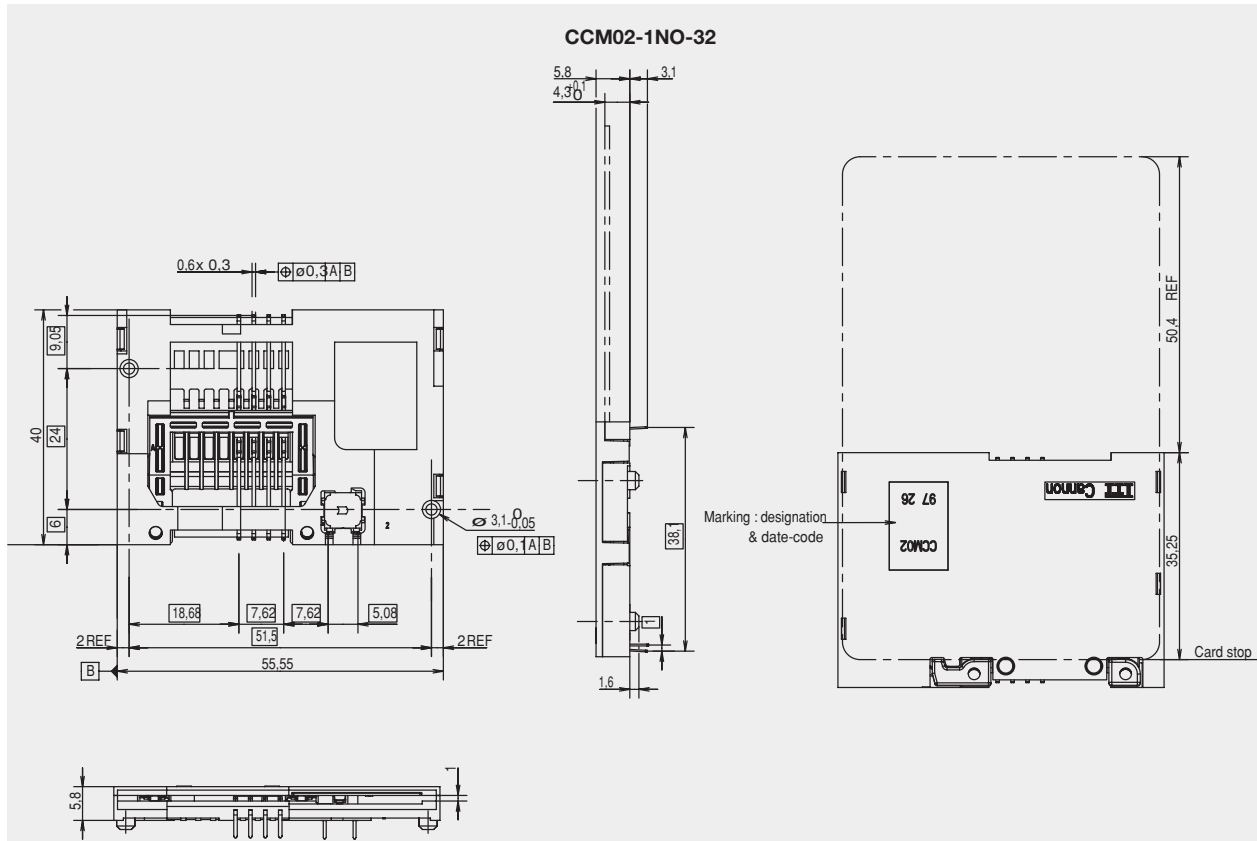
Part Number	Number of Contacts	Packaging Multiple
CCM02-1N0-3	8	300
CCM02-1N0-32	8	300
CCM02-1N0-35	8 with extended cover	200

## Packaging

30 per tray, 10 trays per box.  
Exception: CCM02-1N0-35, 20 per tray, 10 per box.

# CCM02 MK I

## Dimensional Drawings



## PCB Layout

