

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 ² Duration 6 hours - amplitude 0,35 mm 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 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

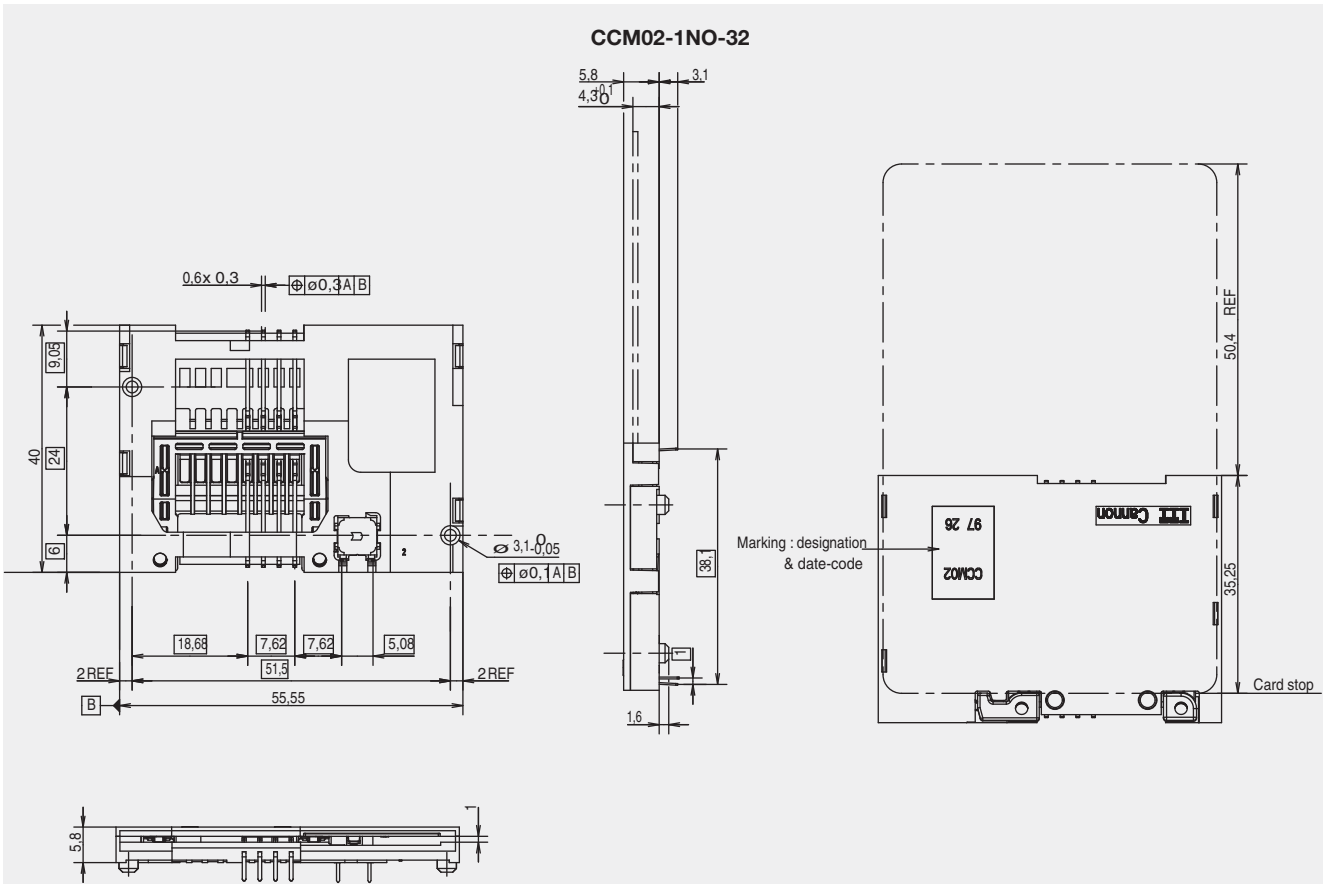
Part Number	Number of Contacts	Packaging Multiple
CCM02-1N0-3	8	300
CCM02-1N0-32	8	300
CCM02-1N0-35	8 with extended cover	200

Packaging

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

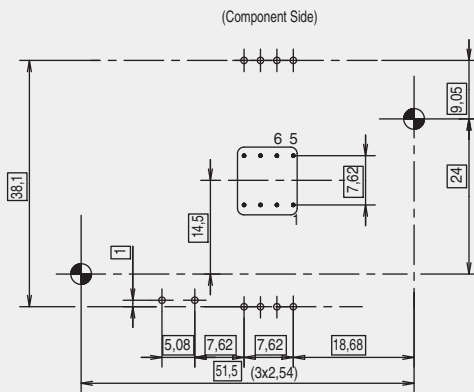
CCM02 MK I

Dimensional Drawings



PCB Layout

CCM02-1NO-32 (8 contacts through hole)



Drawings shown for reference only. For other part numbers please consult your local Canon Customer Service Center.

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