

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.

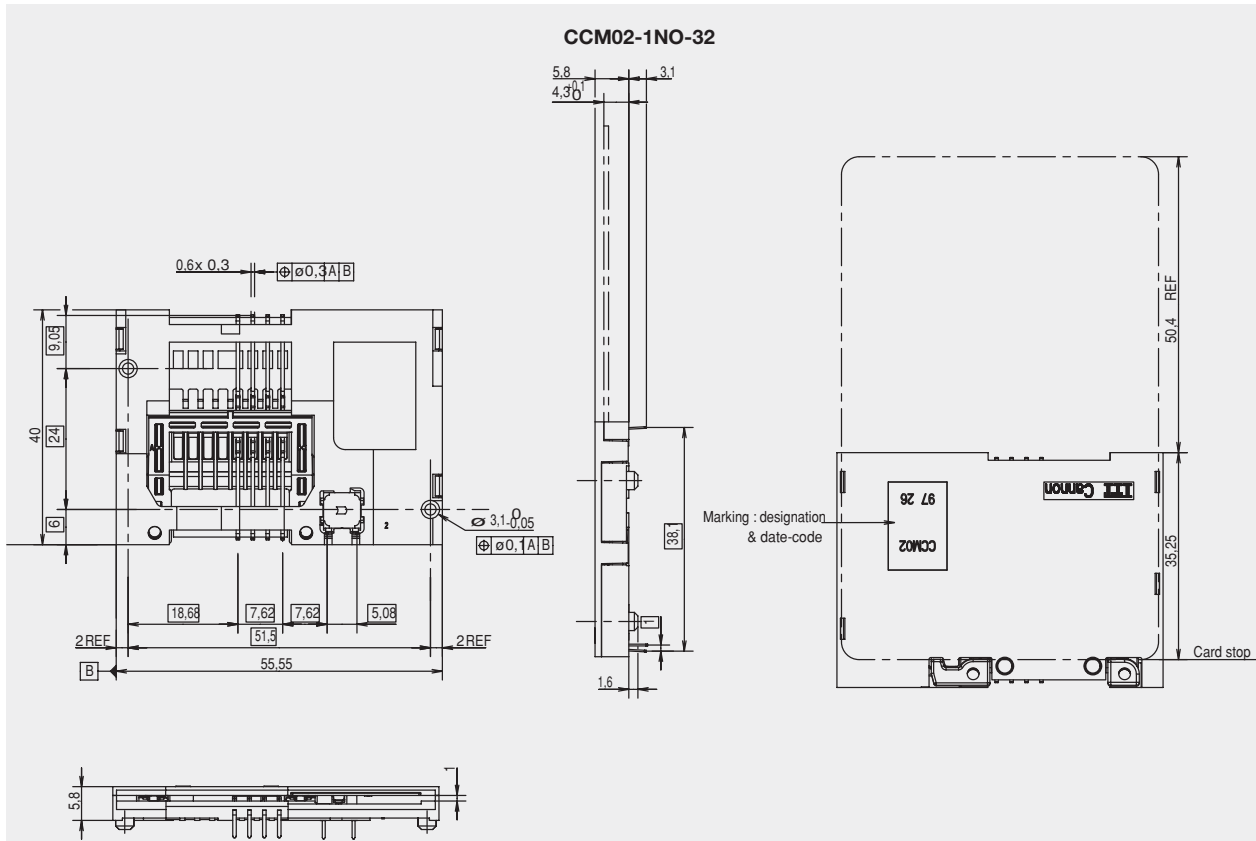
| Construction | | |
|-------------------------|---|--------------------|
| Contacts | Copper alloy | |
| Plating | Contact area : Gold over Nickel Terminals : Tin lead (2 μ min) | |
| Moldings | Thermoplastic UL 94V-0 rated | |
| Mechanical Data | | |
| Number of Contacts | 8 | |
| Mechanical life | 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 1 μ s | |
| Shock | Peak value 500 m/s ² - Duration 11 ms 3 shocks in each direction of each axis Max electrical discontinuity 1 μ s | |
| Contact Electrical Data | | |
| Insulation resistance | 1,000 M Ω min | |
| Resistance | 100 m Ω max | |
| Current rating | 10 μ A min / 1 A max | |
| Dielectric strength | 750 Vrms min | |
| Switch Electrical Data | | |
| Card detection switch | Normally open | |
| Contact resistance | 100 m Ω 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

