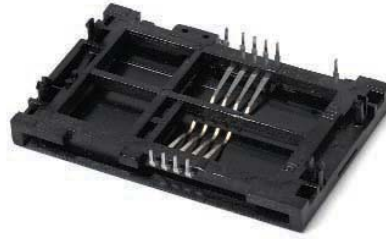


CCM01 MK I



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 μ 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 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 closed |
| 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 | 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.

