

The ruggedized CCM03 MK I design includes hinged covers with metal lock card detect switch option.

Features

- Available with 6 surface mount contacts, plus an optional blade switch to detect when the card is inserted and the cover is closed.
- The molding is polarized so that the cover can only be closed if the card is correctly inserted.

Construction

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

Mechanical Data

Number of Contacts	6
Mechanical life	10,000 cycles min
Card insertion force	1 N max
Card extraction force	1 N max
Contact force	0.25 N min / 0.5 N max
Slide locking force	3.5 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 (closes when card inserted and cover is shut)
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	Temperature/time profile acc. to CECC00802 para. 6.1 Fig. 3 with peak temperature 250°C
Damp heat	IEC 512 test number 11c (10 days)
Salt mist	IEC 512 test number 11f (96 hours)

Ordering Code

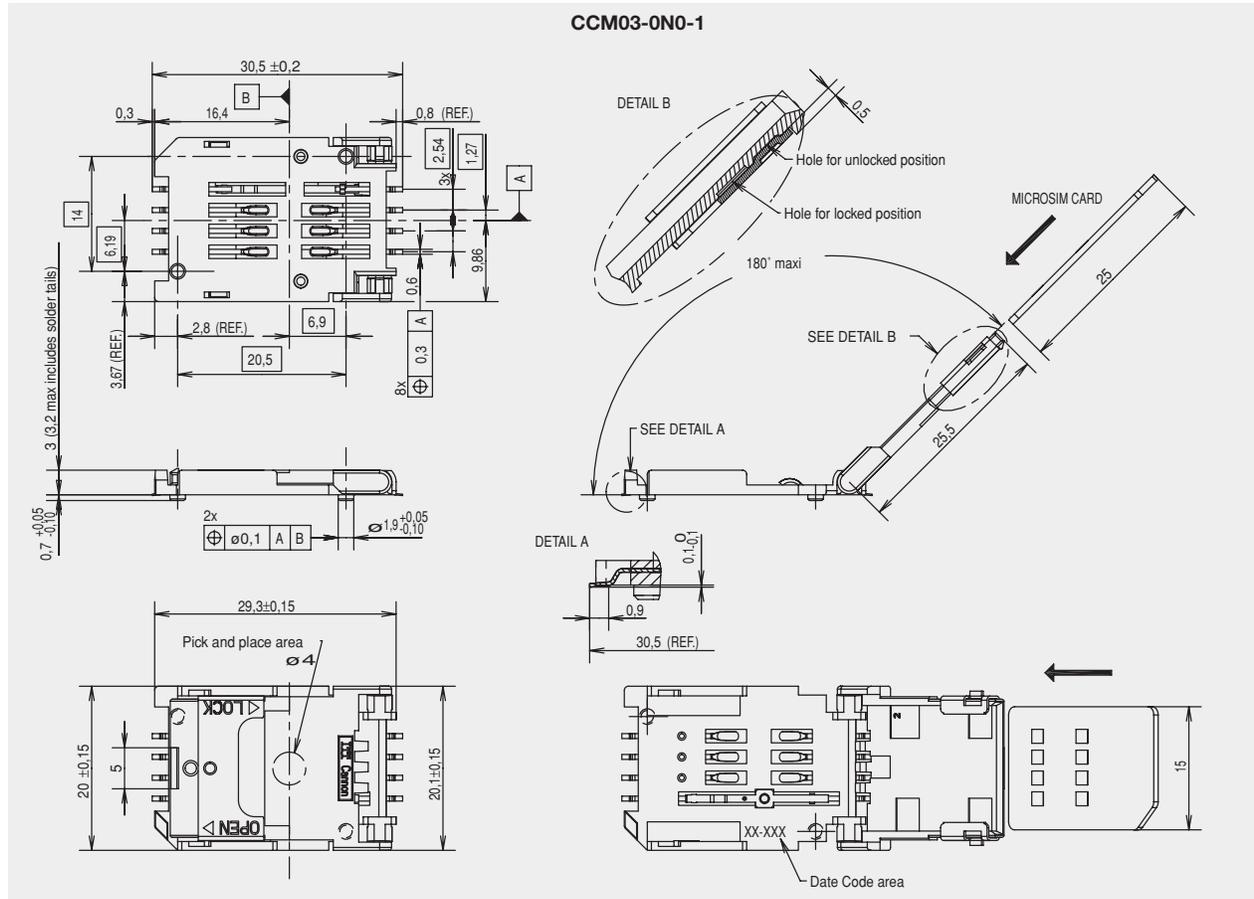
Part Number	Switch	Quantity per Reel
CCM03-0-1	No	750
CCM03-0N0-1	Yes	750

Packaging

5 reels per box.

CCM03 MK I

Dimensional Drawings



PCB Layout

