



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 (2μ 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 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 (closes when card inserted and cover is shut)
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	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

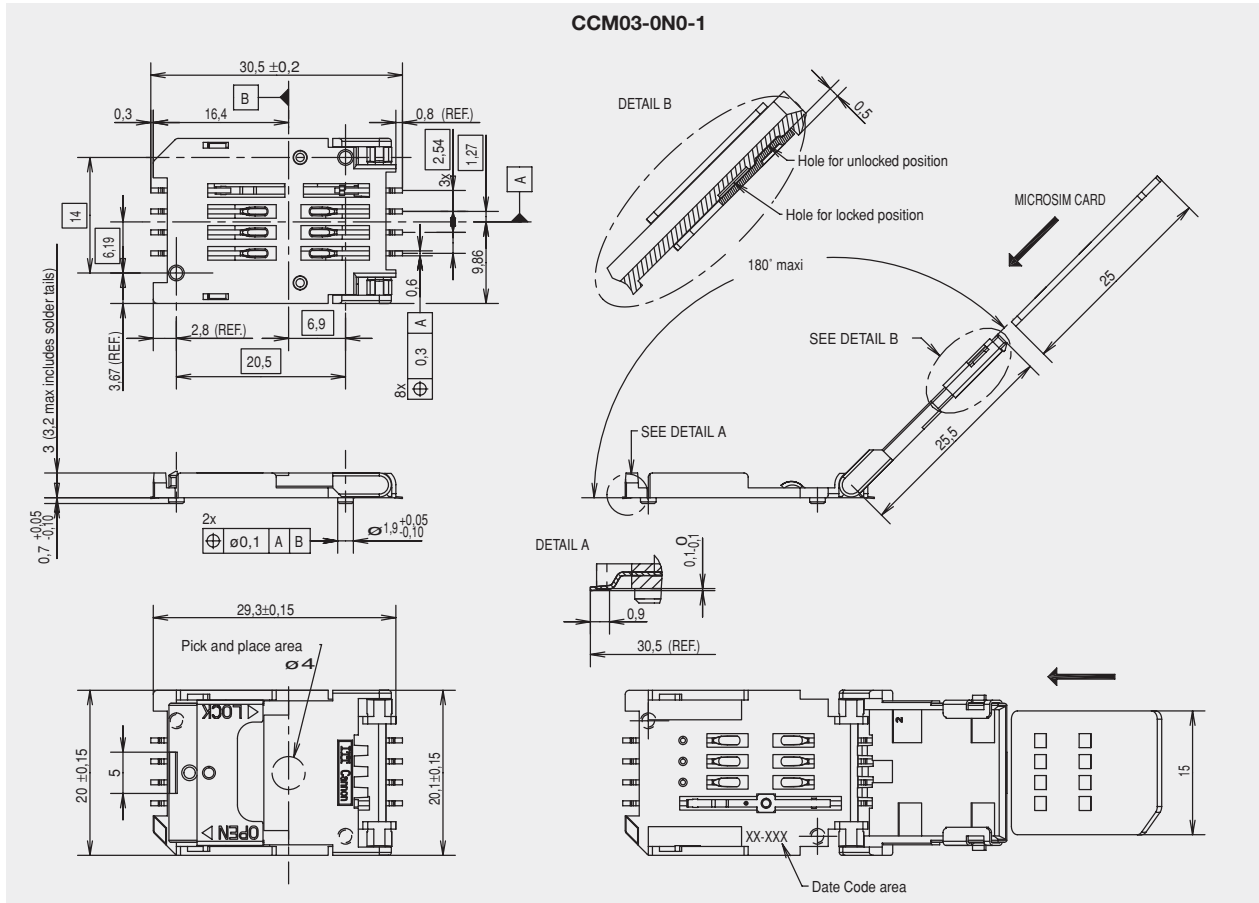
Part Number	Switch	Quantity per Reel
CCM03-0-1	No	750
CCM03-0N0-1	Yes	750

Packaging

5 reels per box.

CCM03 MK I

Dimensional Drawings



PCB Layout

