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sales@integrated-circuit.com

CCM05 SD / MMC



Our MKII series, accepts both Secure Data (SD) and Multi Media Card (MMC) flash memory cards. The 9 contact interconnect comes in different thickness.

When only multi-media card is needed, our MKI family will fit your requirements.

You can integrate them in applications such as cellular phones, PDA, smart phones, MP3 players, handheld GPS, electronic books, industrial controls or wherever portable memory is needed.

Features

- Hot insertion contact configuration.
- Fixed metal cover to guarantee positioning of the card and to help PCB holding with the side solder tabs.
- Space saving design with maximum card guidance and upholding.
- Safe manual operation with spoon shaped contacts, placed in the direction of the card insertion.
- Insulator made of high temperature thermoplastic suitable for infrared and convection soldering process.
- With tape and reel packaging as standard, the interconnects are designed to be automatically picked and placed.

Construction

| | |
|----------|--|
| Contacts | Copper alloy |
| Plating | Contact area : Gold alloy inlay or gold over nickel Terminals : Tin lead (2μ min) |
| Moldings | High temp. thermoplastic UL 94V-0 rated |

Mechanical Data

| | |
|-----------------------|---|
| Number of Contacts | 7 or 9 (SD) |
| Mechanical life | 10,000 cycles min |
| Card insertion force | 3 N max |
| Card extraction force | 0.8 N min / 3 N max |
| Contact force | 0.25 N min / 0.50 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 |

Electrical Data

| | |
|-------------------------|---------------------|
| Insulation resistance | 1,000 MΩ min |
| Contact resistance max. | 100 mΩ min |
| Switching current | 10 μA min / 1 A max |
| Dielectric strength | 750 Vrms min |

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 | Number of Contacts | Cover | Card | PCB Locating | Quantity per reel | Contact Finish |
|-------------|--------------------|----------|--------|--------------|-------------------|----------------|
| CCM05-5501 | 7 | Standard | MMC | No | 900 | Inlay |
| CCM05-5502 | 7 | Standard | MMC | Yes | 900 | Inlay |
| CCM05-5507 | 9 | 3,1mm | SD/MMC | No | 600 | Gold |
| CCM05-5761 | 9 | 3,65mm | SD/MMC | No | 600 | Gold |

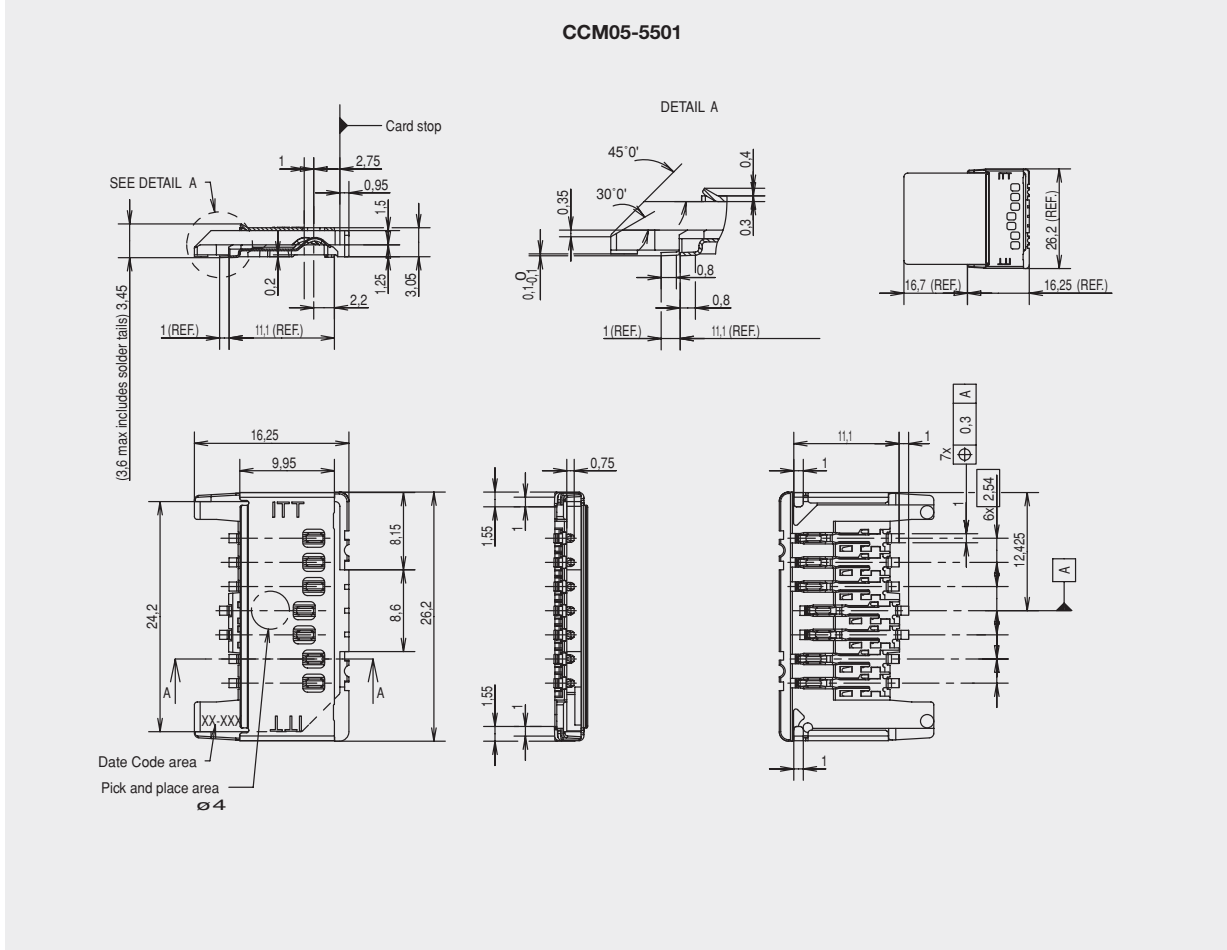
For flat cover, inlay contacts finish on SD/MMC, please contact your local Cannon Customer Service Center.

Packaging

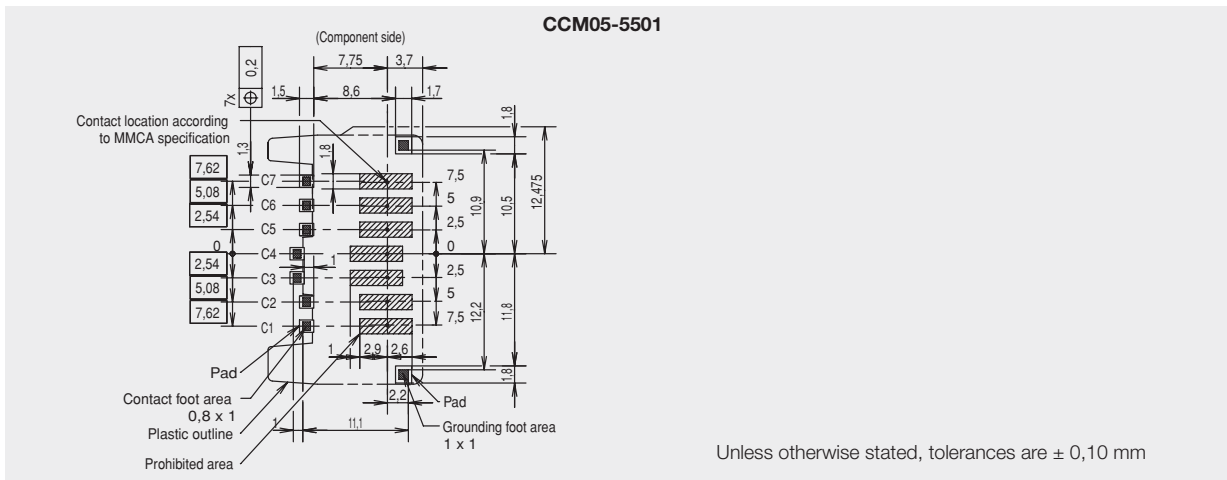
5 reels per box.

CCM05 SD / MMC

Dimensional Drawings

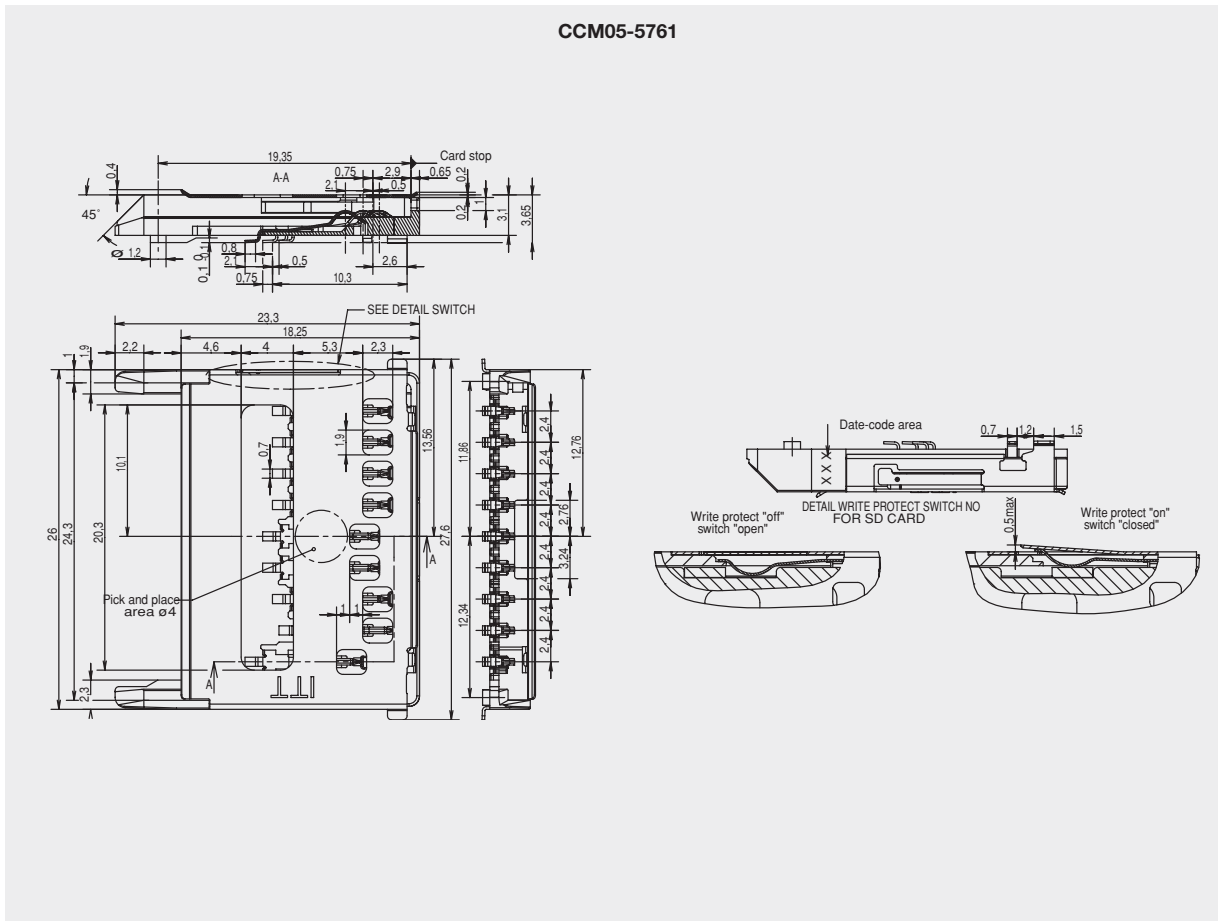


PCB Layout



CCM05 SD / MMC

Dimensional Drawings



PCB Layout

