

Smart Card Interconnect Devices

A

CCM01

MK I: 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.

MK II: EMV™ Compatible. MK II connectors with fixed contacts have been developed for applications where a landing contact mechanism is not required but performance and reliability are still key considerations.

MK III: EMV Compatible. MK III connectors are intended for applications such as pay TV, home shopping and utility meters. Mainly driven by the Set Top Box market for payment and/or deciphering.

CCM02 - Fig. 3

MK I: MK I is a connector with landing contacts. The contacts do not touch the card until it is almost fully inserted - a minimal wiping action removes any non-conductive material. Designed to give a positive feel as the card is fully inserted.

Features: 100,000 card insertion cycles.

MK II: EMV Compatible. MK II connectors with landing contacts are dedicated for applications where the reader usage is high and the life span of the card is a key consideration. It has been redesigned to give an even higher performance in a compact, affordable package.

Features: 500,000 card insertion cycles.

CCM03

MK II: Developed to interface with SIM/SAM cards as defined by GSM11-11 and ENV1375-1. Available with either hinged covers or fixed covers and have been designed to minimize the amount of space needed for PCB mounting. The high temperature thermoplastic moldings are suited for infrared and convection soldering processes.

MK III: SIM/SAM card connector features an integrated card detection switch providing a competitive advantage to smart card reader device manufacturers by minimizing the space usage on the PCB, and features a side entry to offer convenient card access without opening the device. The unique design makes it ideal for telecommunication, portable electronics, POS terminals and similar applications, and meets GSM11-11 specifications.

CCM04

MK II: Connectors are without card guidance and used where space is at a premium and the card guidance can be built around the connector (rather than provided by the connector itself).

MK III: EMV Compatible. Designed to interface with either full or SIM/SAM smart cards and designed to minimize space usage on the PCB.

CCM05 - Fig. 9

MK II: Accepts both Secure Data (SD) and Multi Media Card (MMC) flash memory cards. 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

NEW! CCM05 - Fig. 10

MK II: For one of the most common card formats, ITT offers both standard and reverse reading options in small and sturdy packaging. Accepts Mini SD flash memory cards. Designed for mobile communication needs. Low profile push push connectors, 2.10 mm.

Fig.	Description	Digi-Key Part No.	1	Bulk Price Each 25	100	ITT Part No.
CCM01						
—	MK I, 8 Contact PCB	401-1671-ND	3.33	2.67	2.11	CCM01-1NF
1	MK II, 8 Contact SMT with Board Lock	401-1672-ND	3.54	2.84	2.25	CCM01-2065
	MK II, 8 Contact SMT	401-1673-ND	3.47	2.78	2.20	CCM01-2251
2	MK III, Standard 8 Contact PCB	401-1674-ND	1.31	1.22	1.12	CCM01-6101
	MK III, Reverse 8 Contact PCB	401-1675-ND	1.37	1.26	1.16	CCM01-6201
CCM02						
3	MK I, 8 Contact PCB with Landing Contacts, Standard	401-1676-ND	8.36	6.69	5.30	CCM02-1NO-3
	MK I, 8 Contact PCB with Landing Contacts, Narrow	401-1677-ND	8.36	6.69	5.30	CCM02-1NO-32
	MK I, 8 Contact PCB with Landing Contacts and Extended Cover	401-1678-ND	10.88	8.70	6.89	CCM02-1NO-35
	MK II, 8 Contact PCB with Four Board Locks	401-1679-ND	6.57	5.26	4.17	CCM02-2503
	MK II, 8 Contact SMT with Four Board Locks	401-1680-ND	6.57	5.26	4.17	CCM02-2504
	MK II, 8 Contact SMT with Two Pegs	401-1681-ND	6.57	5.26	4.17	CCM02-2508
	MK II, 8 Contact PCB with Four Pegs	401-1682-ND	6.57	5.26	4.17	CCM02-2511

Fig.	Description	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape & Reel		ITT Part No.
			1	25	100		Size	Pricing	
CCM03									
4	MK II, 6 Contact Hinged Cover	401-1683-1-ND	1.78	1.65	1.51	401-1683-2-ND	1,000	988.20	CCM03-3001
	MK II, 8 Contact Hinged Cover with Locating Pegs	401-1684-1-ND	1.90	1.76	1.62	401-1684-2-ND	1,000	1054.80	CCM03-3004
	MK II, 6 Contact Hinged Cover, Gold	401-1685-1-ND	1.78	1.65	1.51	401-1685-2-ND	1,000	988.20	CCM03-3009
	MK II, 8 Contact Hinged Cover with Locating Pegs, Gold	401-1686-1-ND	1.90	1.76	1.62	401-1686-2-ND	1,000	1054.80	CCM03-3012
	MK II, 6 Contact Hinged Cover Gold with Card Switch	401-1687-1-ND	2.10	1.95	1.78	401-1687-2-ND	1,000	1164.60	CCM03-3013
	MK II, 8 Contact Fixed Cover	401-1688-1-ND	1.75	1.62	1.48	401-1688-2-ND	1,200	966.60/M	CCM03-3504
5	MK II, 6 Contact Side Hinged Auto Lock Cover	401-1689-1-ND	2.00	1.85	1.69	401-1689-2-ND	1,300	1105.20/M	CCM03-3517
	MK II, 6 Contact Front Hinged Auto Lock with Card Switch	401-1690-1-ND	2.00	1.85	1.69	401-1690-2-ND	1,300	1105.20/M	CCM03-3518
6	MK III, 6 Contact SIM/SAM Connector	401-1691-1-ND	2.43	2.25	2.06	401-1691-2-ND	5,000	1123.50/M	CCM03-3754
	MK III, 6 Contact SIM/SAM Connector with Ground	401-1692-1-ND	2.89	2.67	2.45	401-1692-2-ND	1,000	1598.00	CCM03-3758
CCM04									
7	MK II, 8 Contact SMT Low Profile 1.25mm	401-1693-1-ND	3.48	3.21	2.95	401-1693-2-ND	1,000	1926.00	CCM04-1889
	MK II, 8 Contact SMT Low Profile 2.75mm	401-1694-1-ND	3.66	3.39	3.10	401-1694-2-ND	700	1561.14	CCM04-1316
	MK II, 8 Contact SMT Low Profile 2.75mm with Switch	401-1695-1-ND	3.84	3.54	3.25	401-1695-2-ND	700	1486.80	CCM04-1317
8	MK III, 8 Contact SMT Low Profile 1.90mm with Switch	401-1696-1-ND	2.84	2.63	2.41	401-1696-2-ND	1,000	1575.00	CCM04-4248
CCM05									
9	MK II, 9 Contact SD/MMC Memory Card Connector	401-1697-1-ND	2.87	2.65	2.43	401-1697-2-ND	600	953.40	CCM05-5761R601
10	MK II, 10 Contact Mini SD Memory Card Connector	401-1699-ND† NEW!	2.25	1.80	1.43	—	—	—	CCM05-5773

† Bulk Pricing

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