

FEATURES AND SPECIFICATIONS



4.20mm (.165") Height 3-in-1 Memory Combo Connector

Molex offers compact solution for memory combo card connector

Many different format of memory cards have surfaced in recent years. This wide variety of storage medias have given rise the challenge for consumer to have multiple card reader/writer.

Molex's 3-in-1 memory combo connector provides the read/write solution with convenience and reliability. It supports the functions of *Memory Stick (MS)/Memory Stick Pro(MS-Pro), *Secure Digital (SD) and *MultiMedia Card (MMC). These cards are widely use in Digital Cameras, PDAs, mobile phones, printers, DVD player and multimedia players and LCD displays.

The connector is design with a metal shield to address potential EMI/RFI issues. The ejecting of memory card is done manually from the connector. With a manual eject design, this combo connector provides an economical solution for application manufacturers. A low profile height and compact overall footprint allows it to be use in a very confined space.

47265

**MS/MS-Pro/SD/MMC
Bottom Mount,
Non Push-Push,
SMT**



Features	Benefits
• Card detect switch	• Confirms card presence
• Read/Write protection switch	• Provides protection of content in the SD Card
• Low profile, compact size	• Space savings
• Metal shield	• EMI/RFI protection
• Solder tabs	• Strong retention of connector to PCB
• Beveled spring terminal design	• Secure mating of card to connector

**Memory Stick, Memory Stick Pro are registered trademarks of Sony*

**MultiMedia Card is a registered trademark of MultiMedia Card Association*

**Secure Digital is a registered trademark of Secure Digital Association*

SPECIFICATIONS

Reference Information

Packaging: Embossed Tape on Reel

UL File No.:

CSA File No.:

Uses With: MS/MS-Pro, SD and MMC memory card

Designed In: mm

Electrical

Voltage: 5V

Current: 0.5A

Contact Resistance:

100 milliohms max.

Dielectric Withstanding Voltage:

250V AC, 500V AC

Insulation Resistance:

100 Megohms min, 1000 Megohms min

Mechanical

Insertion Force to PCB:

Mating Force: 19.60 N (4.41lb)

Unmating Force: 1.00N (0.22lb)

Durability: 10,000 cycles

Physical

Housing: Thermoplastic, High

Temperature,

UL 94V-0

Contact: Copper (Cu) Alloy

Plating:

Contact Area — Gold (Au)

Solder Tail Area — Tin (Sn)

Underplating — Nickel (Ni)

PCB Thickness: 1.2mm (.045")

Operating Temperature: -25°C to +85°C

MARKETS AND APPLICATIONS



**4.20mm (.165") Height
3-in-1 Memory Combo
Connector**

Markets and Applications

- Desktop and Notebook
- LCD TV
- DVD player and Multimedia players
- Printers
- Card reader

**47265
MS/MS-Pro/SD/MMC
Bottom Mount,
Non Push-Push,
SMT**



ORDERING INFORMATION

Description	Lead free Order No.	Card Function	Mounted Height	Mounted Width
3-in-1 Memory Combo Connector, Bottom Mount, 4.20mm (.165") Height, Non Push-Push Type, SMT	47265-0001	MS/MS-Pro/SD/MMC	4.20mm (.165")	27.10mm (1.067")



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