FEATURES AND SPECIFICATIONS

Molex offers a wide range of ultra small microSD connectors

The microSD flash memory format is the smallest in the world, and saves about 70% of space versus miniSD products. These connectors are designed for cell phones and other mobile devices that use removable flash memory to store data such as text, photos, games, video and audio. Molex's line-up includes push-push types in normal mount; a hinge-type for easy top-entry insertion; and a block-type for simple push-pull operation. The microSD standard has evolved from the previous TransFlash standard. All of Molex's previous TransFlash connectors have been tested to accept the new microSD cards.

Please refer to Molex's Website and the Miniature Memory Card Catalog available in Literature Central for Molex's full range of microSD connectors.



1.10mm (.043") Pitch microSD Memory Card Connectors

47219 Hinge Type
47334 Push-Push Type
without Detect Switch
47352 Push-Push with
VDD Detect Switch
47295 Block Type without
Detect Switch
47309 Block Type with
Detect Switch

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 and ESD protection
• Solder tabs	• Strong retention of connector to PCB
• Polarization features	• Prevents incorrect card insertion
Beveled spring terminal design	Secure mating of card to connector







*microSD and miniSD are registered trademarks of Secure Digital Association

SPECIIFICATIONS

Reference Information

Packaging: Embossed Tape on Reel

UL File No.: CSA File No.:

Uses With: microSD and TransFlash cards

Electrical
Current: 0.5A

Voltage: See Product Specifications

Contact Resistance: See Product Specifications
Dielectric Withstanding Voltage: 500V AC
Insulation Resistance: See Product Specifications

Mechanical

Durability: See Product Specifications

Physical

Housing: LCP, UL 94V-0, Black Contact: See Sales Drawings

Plating:

Contact Area — Gold (Au) Underplating — Nickel (Ni)

Operating Temperature: See Product Specifications

MARKETS AND APPLICATIONS



1.10mm (.043") Pitch microSD Memory Card **Connectors**

Markets and Applications

- Mobile phones
- **PDA**
- Portable digital audio and video players



DVC





PDA



Mobile phone



GPS

47219 Hinge Type

47334 Push-Push Type without Detect Switch

47352 Push-Push with **VDD Detect Switch**

47295 Block Type without **Detect Switch**

47309 Block Type with **Detect Switch**



Portable audio player

ORDERING INFORMATION

Description	Lead free Order No.	Orientation	Detect Switch	Solder Tab Type
1.10mm (.043") Pitch microSD Memory Card Connectors 4	47219-0001	Normal Mount, Hinge Type	No	Outer
	47334-0001	Normal Mount, Push-Push	No	Outer
	47352-1001	Normal Mount, Push-Push	Yes	Outer
	47295-0001	Normal Mount, Block Type, Push-Pull	No	Outer
	47309-2651	Normal Mount, Block Type, Push-Pull Height 2.65mm (.104")	Yes	Outer
	47309-3751	Normal Mount, Block Type, Push-Pull Height 3.75mm (.148")	Yes	Outer



Americas Headquarters 2222 Wellington Ct. Lisle, Illinois 60532 USA 1-800-78MOLEX amerinfo@molex.com

Asia Pacific North Headquarters Yamato, Kanagawa, Japan 81-462-65-2324 feninfo@molex.com

Asia Pacific South Headquarters Jurong, Singapore 65-6-268-6868 fesinfo@molex.com

European Headquarters Munich, Germany 49-89-413092-0 eurinfo@molex.com

Corporate Headquarters 2222 Wellington Ct. Lisle, Illinois 60532 USA 630-969-4550