



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

FEATURES AND SPECIFICATIONS

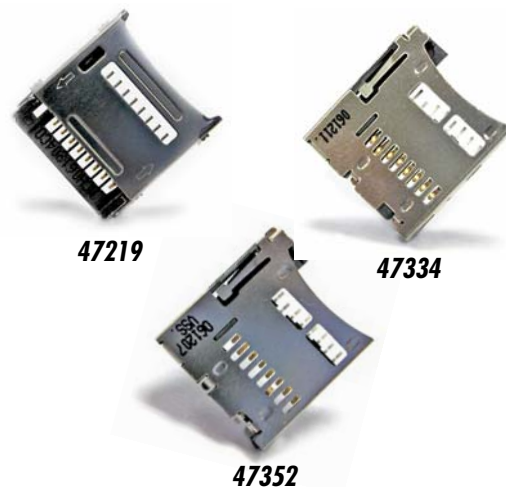
Molex offers a wide range of ultra small microSD connectors

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.

- 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



47295



47309

*microSD and miniSD are registered trademarks of Secure Digital Association

SPECIFICATIONS

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



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

Markets and Applications

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



DVC



PDA



Mobile phone



GPS



Portable audio player

- 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**

ORDERING INFORMATION

Description	Lead free Order No.	Orientation	Detect Switch	Solder Tab Type
1.10mm (.043") Pitch microSD Memory Card Connectors	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



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