molex®

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
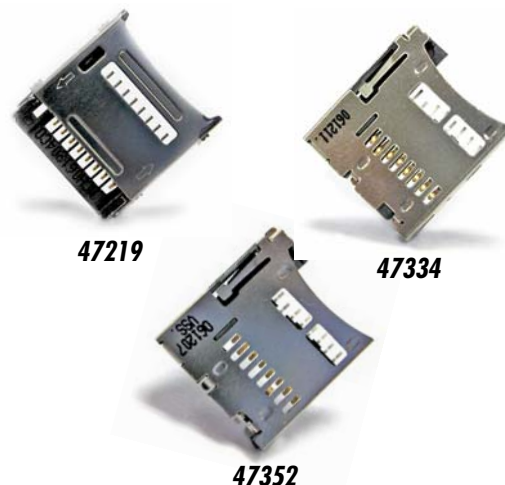**47309** Block Type with Detect Switch

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.

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

47219

47334

47352

47295

47309

*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

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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
	47219-0001	Normal Mount, Hinge Type	No	Outer
	47334-0001	Normal Mount, Push-Push	No	Outer
	47352-1001	Normal Mount, Push-Push	Yes	Outer
1.10mm (.043") Pitch microSD Memory Card Connectors	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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