



## 2.54mm (.100") Pitch SIM Card Connector Block Type

### FEATURES AND SPECIFICATIONS

Molex offers the SIM and Mega-SIM block type card connectors for mobile phone markets

Molex offers its range of Subscriber Identification Module Card connectors for the Mobile Communications Industry. The GSM (Global System for Mobile Communications) standard call for a Subscriber Identification Module or SIM card which is used for billings, security and number storage purposes. The SIM card parameters are defined by ISO GSM SIM Card standards.

While the card is standardized, the differences in phone designs do not allow standard connectors. Molex in, close collaboration with its customer has developed a range of SIM card connectors that feature a range of standard options plus the ability to custom design parts in specific applications.

This release covers the block-type SIM connector. In this design, the SIM card is integrated into the equipment. It comes in 6 and 8 circuit options. The 6 circuit version is most commonly used. The 8 circuit version, which is also known as a Mega-SIM connector, has 2 additional circuits more than the 6 circuits version. These additional 2 circuits are reserved for memory expansion in the hardware.

For more information about the SIM connector family, please visit:

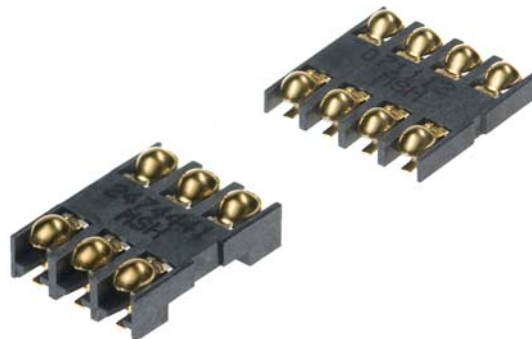
<http://www.molex.com/product/memory/simcard.html>

47019

6-Circuit SIM Header

47494

8-Circuit Mega-SIM Header



#### Features

- High-temperature thermoplastic housing
- Smooth edges around contact
- Round contact design

#### Benefits

- Withstands lead-free processing
- Prevent damaging of SIM card
- Allows good contact between card and connector

### SPECIFICATIONS

#### Reference Information

Packaging: Embossed Tape on Reel

UL File No.: TBD

CSA File No.: TBD

Use With: SIM Cards

Designed In: mm

#### Electrical

Voltage (max.): 15V

Current (max.): 0.500 Amp

Shielded: No

#### Physical

Housing: LCP, G/F, UL 94V-0, Black

Contact: Phosphor Bronze

Plating:

Contact Area — 0.8µm (30 µ") Gold (Au)

Solder Tail Area — 0.05µm Gold (Au)

Underplating — 2.00µm (78µ") Nickel (Ni)

**MARKETS AND APPLICATIONS**



**2.54mm (.100") Pitch  
SIM Card Connector  
Block Type**

- **Mobile phones**



**47019**      **6-Circuit SIM Header**

**47494**      **8-Circuit Mega-SIM Header**

**ORDERING INFORMATION**

<i>Description</i>	<i>Order No.</i>	<i>Housing Height</i>	<i>Durability (mating cycles) min</i>	<i>Operating Temperature</i>	<i>No. of Circuits</i>	<i>Plant No. for Samples</i>
<b>2.54mm (.100") Pitch SIM Card Connector</b>	<b>47019-1502</b>	<b>1.50mm (.059")</b>	<b>10, 000</b>	<b>-30°C to +85°C</b>	<b>6</b>	<b>2601</b>
	<b>47019-1802</b>	<b>1.80mm (.071")</b>	<b>3, 000</b>			
	<b>47019-2002</b>	<b>2.00mm (.079")</b>	<b>3, 000</b>			
	<b>47019-2402</b>	<b>2.40mm (.094")</b>	<b>3, 000</b>			
	<b>47494-0001</b>	<b>1.50mm (.059")</b>	<b>500</b>	<b>-40°C to +85°C</b>	<b>8</b>	



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