**Miniature Memory Card Connectors, Pin-Eject Type, For Single-Card Trays**

Molex’s miniature memory card connectors with pin-style eject feature and card tray holder provide low profiles, easy card insertion and removal, and secure electrical contact for ultra-thin mobile devices.

### Features and Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Card-tray eject with the use of a standard pin</td>
<td>Easy card extraction without the need for special tool</td>
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<tr>
<td>Low profiles and compact size</td>
<td>Space savings to meet needs of ultra-thin mobile device designs</td>
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<tr>
<td>Card polarization features</td>
<td>Prevents card tray from being inserted incorrectly</td>
</tr>
<tr>
<td>Anti-buckling contact design</td>
<td>Front-and-back chamfered slope terminal design provides smooth card insertion and extraction, and protection from damage</td>
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</tbody>
</table>

### Applications

Consumer
- Smartphones
- Tablet PC
- e-book reader
- Other mobile device

Pin-Eject Type For Single Card Lineup

**Series Number: 504528-0892**
- Description: microSD Memory Card Connector
- Height: 1.40mm
- Width: 15.60mm
- Length: 16.35mm
- Circuits: 8

**Series Number: 504520-0691**
- Description: nano-SIM Card Connector
- Height: 1.3mm
- Width: 12.4mm
- Length: 14.6mm
- Circuits: 6

**Series Number: 505020-0692**
- Description: micro-SIM Card Connector with Dual Hook locks and Anti-Buckling terminal design
- Height: 1.35mm
- Width: 12.4mm
- Length: 16.35mm
- Circuits: 6

**Series Number: 505295-0691**
- Description: nanoSIM Card Connector, Side insertion
- Height: 1.38mm
- Width: 14.7mm
- Length: 12.55mm
- Circuits: 6
Miniature Memory Card Connectors, Pin-Eject Type, For Single-Card Trays

Specifications

REFERENCE INFORMATION
Packaging: Embossed tape
Designed In: Millimeters
RoHS: Yes
Halogen Free: Low Halogen

MECHANICAL
Durability (min.): 1,000 cycles

PHYSICAL
Housing: LCP (Black)
Terminal: Copper Alloy
Shell: Stainless Steel
Detect Lever/ Switch: Copper Alloy
Operating Temperature:
505295: -40 to +85°C
505020, 504528, 504520: -25 to +85°C

ELECTRICAL
Voltage (max.): 10V
Current (max.): 0.5A
Contact Resistance:
505295, 505020, 504528:
Contact: 50 milliohms max.
Detect: 100 milliohms max.
504520: 100 milliohms max.
Dielectric Withstanding Voltage: 500V AC (rms)
Insulation Resistance: 1000 Megaohms min.

Additional Product Information

Pin-Eject Mechanism

Card Polarization Feature
To Prevent Incorrect Insertion

Ordering Information

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>505295-0691</td>
<td>nano-SIM, Side Insertion</td>
</tr>
<tr>
<td>505020-0692</td>
<td>micro-SIM, Double Hook, Friction Lock</td>
</tr>
<tr>
<td>504528-0892</td>
<td>microSD</td>
</tr>
<tr>
<td>504520-0691</td>
<td>nano-SIM</td>
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</table>

www.molex.com/product/memory.html

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