**INTRODUCTION**

Molex’s new low-profile microSD card connector offers a profile height of just 1.53mm, which saves 15% vertical space compared to industry standard versions.

Along with its low-profile, this new version also includes two different types of anti card fly-out features to assure smooth and slow card extraction. The connector also includes a card polarization feature to prevent incorrect card insertion.

Other features include: detect/switch terminal that provides card insertion assurance; visible SMT tails for checking; and a terminal design that provides good contact and a smooth beveled surface to avoid stubbing.

**Specifications:**
- Current: 0.5A
- Voltage: 10V
- Contact Plating: Gold
- Contact Resistance: 100 milliohms max.
- Insulation Resistance: 1000 megohms min.
- Dielectric Strength: 500V AC
- Flammability: UL 94V-O

---

**Features** | **Benefits**
---|---
- Ultra low profile | - Space savings for mobile and other tight packaging applications
- Anti card fly-out features | - Prevents card from ejecting too quickly
- Reliable detect switch | - Assures card detection
- Smoothly beveled terminal | - Prevents terminal damage when card is inserted
- Card polarization feature | - Prevents card from being improperly inserted

---

**Anti Card Fly-out Features**

Two brake tabs assist in slowing down card ejection. This function does not put any friction on the card, and works along with another internal bump feature that further helps create slower card ejection speed.

---

**MARKETS AND APPLICATIONS**

- Mobile phones
- Portable audio players
- Digital still cameras
- Digital video cameras
- Portable games
- Car navigation
- Personal navigators (PND)
microSD Card Connector
Push-Push, Normal Mount
1.53mm (.060") Height

Series 502702

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Packaging</th>
<th>Mount Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>502702-0891</td>
<td>Embossed</td>
<td>Normal</td>
</tr>
</tbody>
</table>

molex
one company, a world of innovation

Americas Headquarters
2222 Wellington Ct,
Lisle, Illinois 60532 USA
Tel: 1-800-TBMOLEX
americasinfo@molex.com

Asia Pacific North Headquarters
Yamato, Kanagawa, Japan
Tel: 81-46-265-2125
apninfo@molex.com

Asia Pacific South Headquarters
Jurong, Singapore
Tel: 65-6-768-8868
apsinfo@molex.com

European Headquarters
Munich, Germany
Tel: 49-89-11092-0
euronisinfo@molex.com

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

Visit our website at www.molex.com