The 0.50mm pitch FPC connector with special cable retention features and high-temperature capabilities is ideal for applications such as Automotive that are subject to high vibration and harsh operating environments.

Product Features and Advantages

- **Actuator Rotation**
  The actuator rotates 94 degrees for easy operation and cable access.

- **Actuator Hold-Down Feature**
  The actuator design has two friction lock points that keep it securely down to prevent accidental opening.

- **Cable Hold-Down Feature**
  An FPC guide (shown in blue below) and housing mold (highlighted in red) combine to prevent the actuator from lifting even if the cable is pulled upwards.

- **Ear-Lock Cable**
  An ear-lock feature fits into notched cable to keep the FPC in place even if the actuator is open.

High Temperature Type Meets Automotive Requirements

- **High Temperature Capabilities**
  The 104247 series FPC connector has been tested to withstand operating temperatures up to 105°C to meet automotive requirements.

- **Robust Solder Tab**
  Provides secure PCB retention and strain relief for solder joints.
0.50mm Pitch FPC, High Retention Type

Applications
Automotive Camera Mirrors
Automotive Infotainment and LCD
Industrial Equipment
Medical Equipment

Car Electronics and Camera Applications
Portable Medical Devices

Specification

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

ELECTRICAL
Voltage (max.): 50V
Current (max.): 0.5A
Contact Resistance: 100 milliohms max.
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance: 50 Megohm min.

MECHANICAL
Durability (min.): 25 cycles

PHYSICAL
Housing: Glass-filled LCP, Natural
Actuator: Glass-filled PPS, Black
Contact: Phosphor Bronze
Plating: Gold
Contact Area — Gold
Solder Tail Area — Gold
Underplating — Tin
Operating Temperature: -40 to +105°C

Ordering Information

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Circuit Size</th>
</tr>
</thead>
<tbody>
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</tr>
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www.molex.com/product/smt_ffc-fpc.html