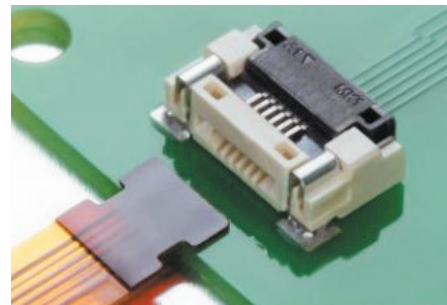


0.50mm Pitch FPC, High Retention Type

molex

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

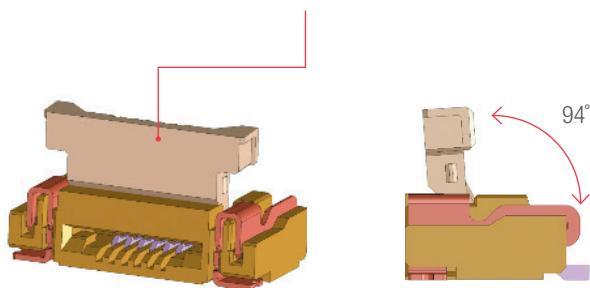


0.50mm Pitch FPC Connector, BackFlip™ Actuator, High Retention Type

Product Features and Advantages

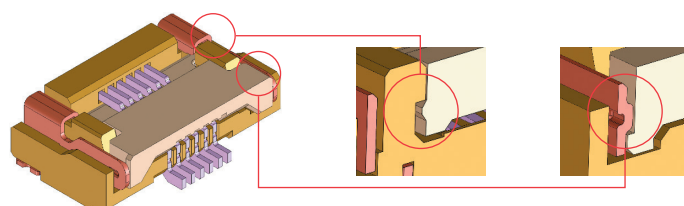
Actuator Rotation

The actuator rotates 94 degrees for easy operation and cable access



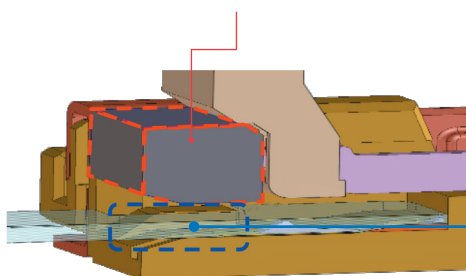
Actuator Hold-Down Feature

The actuator design has two friction lock points that keep it securely down to prevent accidental opening



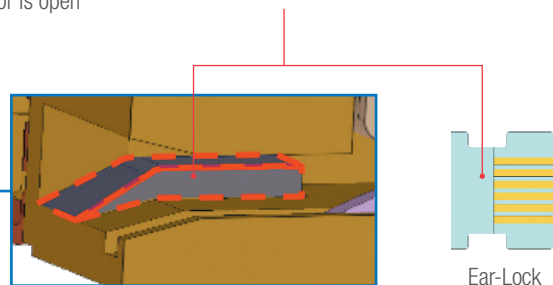
Cable Hold-Down Feature

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



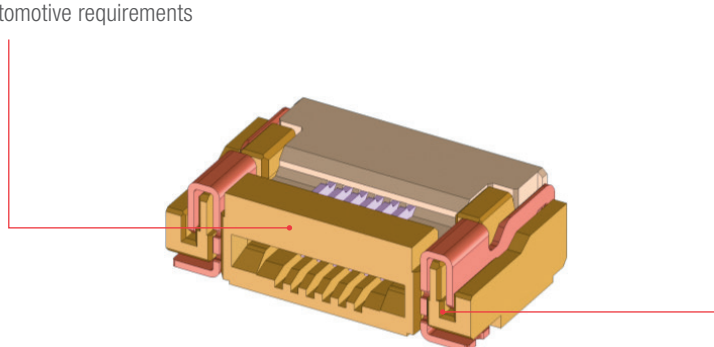
High Temperature Type Meets Automotive Requirements

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

Order No.	Circuit Size
104247-0617	6
104247-0717	7

www.molex.com/product/smt_ffc-fpc.html