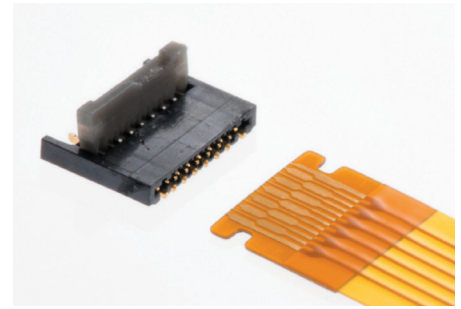


# LA6 0.20mm Pitch FPC Connector

0.60mm Height, BackFlip™ Actuator

**molex**®

Offering the lowest profile available in the industry, the 0.20mm pitch LA6 FPC connector provides space savings and electrical contact assurance for thin and compact applications

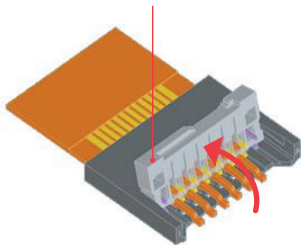


LA6 0.20mm Pitch FPC Connector

## Product Features and Advantages

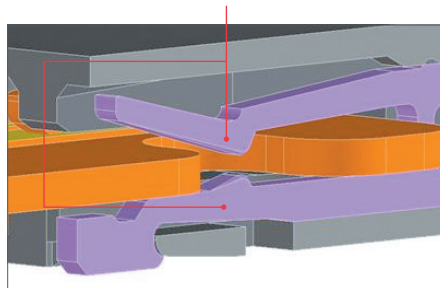
### Easy Operation

BackFlip™ actuator is easy to access and operate in tight-packaging applications



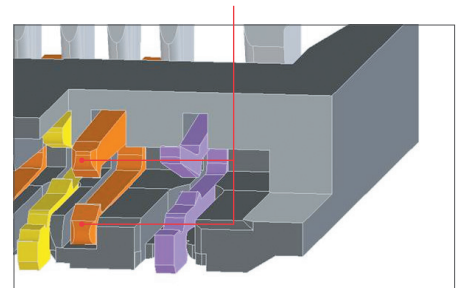
### Dual Cable Locking

Locking terminals from the top and bottom help position the cable properly and provide secure FPC retention



### Dual Contact Design

Allows cable to be inserted from the top or bottom direction for design flexibility



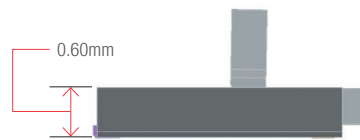
### Actuator Remains Up

Locking features on the actuator keep it in the open position, which facilitates cable insertion and positioning



### Ultra Low Profile

The 0.60mm profile height is the lowest in the industry and provides space savings for compact and slim applications



## Applications

### Consumer

- Cellphones
- Tablet PCs
- Wearable Devices
- Medical Devices
- Fingerprint/Voice Recognition

### Equipment

- ID/Authentication Appliances
- Biometric Modalities



Cellphones



Portable Medical Devices

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0.60mm Height, BackFlip™ Actuator



## Specification

### REFERENCE INFORMATION

Packaging: Embossed Tape  
Use With: 0.18mm thick FFC/FPC  
Designed In: Millimeters  
RoHS: Yes,  
Halogen Free: Yes

### ELECTRICAL

Voltage (max.): 50V  
Current (max.): 0.2A  
Contact Resistance: 140 milliohms max.  
Dielectric Withstanding Voltage: 250V AC  
Insulation Resistance: 50 Megohm min.

### MECHANICAL

Durability (min.): 25 mating cycles

### PHYSICAL

Housing/Actuator: Thermoplastic resin  
Contact: Copper Alloy  
Plating:  
Contact Area — Gold  
Solder Tail Area — Gold  
Underplating — Nickel  
Operating Temperature: -40 to +85°C

## Ordering Information

| Order No.                   | Circuit Size | Height | Width  |
|-----------------------------|--------------|--------|--------|
| <a href="#">505094-1200</a> | 12           | 0.60mm | 3.30mm |