

# Premo-Flex FFC 0.30mm-Pitch Jumper Cables with Latching Notches >

Premo-Flex FFC 0.30mm-Pitch Jumper Cables with Latching Notches deliver durable and flexible PCB-connection solutions with a range of custom and off-the-shelf options, including assemblies with Easy-On FPC Connectors.

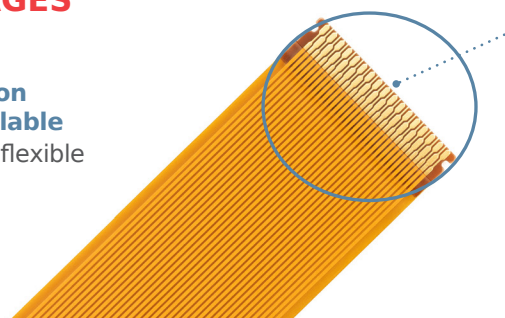
## FEATURES AND ADVANTAGES

**Customization options available**  
Offers design flexibility

**Staggered design for space-constrained applications**

**Various cable lengths (51, 102, 152, 203, 254 and 305)**

Offer space savings and design flexibility



*Premo-Flex FFC 0.30mm-Pitch Jumper Cables with Latching Notches (Series 15031)*

### Locking notches

Provide excellent retention in high-shock and -vibration environments

### Mates with Easy-On FPC Connector (Series 504754)

Creates connectivity with a connector that delivers high reliability and high-speed data rates

### Multiple standard circuit count available

Offers a range from 9 to 51

### Tail-end thickness 0.20 + 0.03mm

Provides design options for space-constrained applications

## MARKETS AND APPLICATIONS

### Consumer

Digital cameras  
Video cameras  
Mobile devices  
Portable audio equipment  
GPS devices  
LCDs  
Personal navigation equipment  
VR/AR devices  
UAV (drone)

### Home Appliance

Flat-panel TVs  
Refrigerators  
Vacuums

### Medical

Wearable devices  
Patient-monitoring equipment

### Automotive

Infotainment devices  
Audio display equipment  
Car navigation devices

### Data and Computing

Optical disk drives  
Tablets and notebooks  
PCs  
Printers and copiers

### Industrial

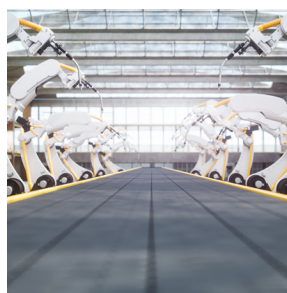
Robotics



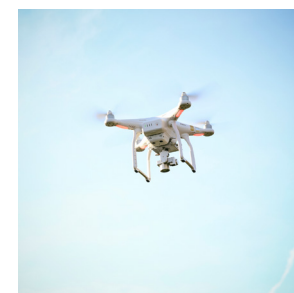
*Patient Monitoring*



*Audio Display Equipment*



*Robotics*



*Drones*

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## SPECIFICATIONS

### REFERENCE INFORMATION

Designed In: Millimeters

RoHS: Yes

### ELECTRICAL

Voltage (max.): 50V

Current (max.): 0.2A per conductor

Dielectric Withstanding Voltage: 200V AC

### MECHANICAL

Pitch: 0.30mm

### PHYSICAL

Locking with notches for better retention  
in high-shock and -vibration environments

(Average cable retention force: 12.64N)

Housing: LCP UL94 V-0

Contact: Gold-plated 0.5oz Copper with 0.05um Gold

Insulation Tape: Polyimide and thermal adhesive

Tail Stiffener: Polyimide with thermal adhesive

Folding:

Cable can be folded 180° for 20 times minimum

Ideal for dynamic bending environments with a

minimum radius of 4.00mm

Operating Temperatures: -40 to +105°C

## ORDERING INFORMATION

Series Number	Description
15031	0.30mm pitch FC Jumper Cable with Latching Notches
504754	Easy-On FPC Connector, 0.30mm Pitch, Right Angle, Bottom Contact

[www.molex.com/molex/products/family/premoflex](http://www.molex.com/molex/products/family/premoflex)