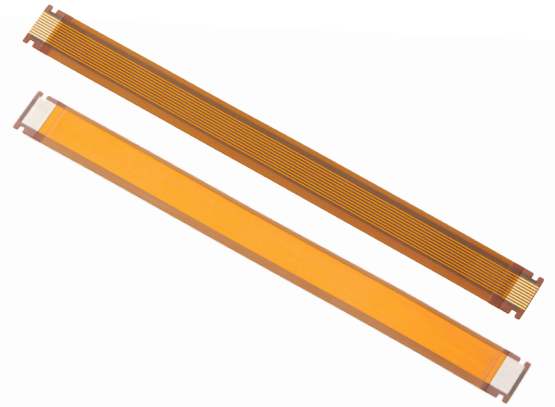


# Premo-Flex FPC 0.50mm-Pitch One-Touch LVDS Jumper Cables with Latching Notches >

Premo-Flex FPC One-Touch Low-Voltage Differential Signal (LVDS) Jumper Cables with Latching Notches and 100-Ohm controlled impedance deliver durable and flexible PCB connection solutions, including custom and off-the-shelf options.

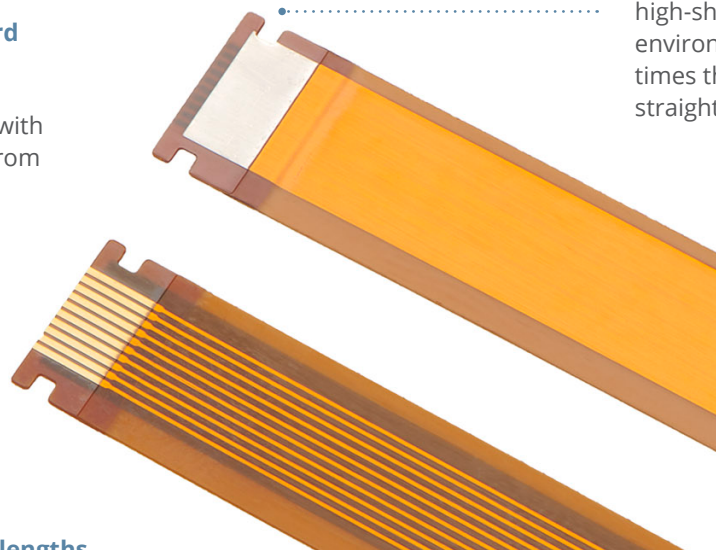


*Premo-Flex FPC 0.50mm-Pitch One-Touch LVDS Jumper Cables with Latching Notches*

## FEATURES AND ADVANTAGES

### Multiple standard circuit counts

Provide added design flexibility, with options ranging from 10 to 80 circuits



### Locking notches

Provide excellent retention in high-shock and high-vibration environments, with up to five times the retention force of straight termination cables

### Various off-the-shelf cable lengths

Offer faster time to market with design flexibility, including cable length options\* of 51, 102, 152, 203, 254, 305 and 610mm

\*Custom lengths available

### Mating capability with One-Touch FPC Connectors in series 200485-06XX and 200485-07XX\*\*

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

\*\*XX designates the number of circuits

### Controlled impedance

Features 100 Ohm differential impedance and 50 Ohm single-line impedance, making cables suitable for high-speed applications

# Premo-Flex FPC 0.50mm-Pitch One-Touch LVDS Jumper Cables with Latching Notches >

## MARKETS AND APPLICATIONS

### Consumer

- Digital cameras
- Video cameras
- Mobile devices
- Portable audio equipment
- GPS devices
- LCDs
- Personal navigation equipment
- VR/AR devices
- UAVs (drones)

### Home Appliance

- Flat-panel TVs
- Refrigerators
- Vacuums

### Medical

- Wearable devices
- Patient-monitoring equipment

### Automotive

- Infotainment devices
- Display audio equipment
- Car navigation devices

### Data/Computing

- Optical disk drives
- Tablets and notebooks
- Personal computers
- Printers and copiers

### Industrial

- Robotics



Drone



Robotics



Display Audio Equipment



Patient Monitoring Equipment

## SPECIFICATIONS

### Reference Information

- Designed in: Millimeters
- RoHS: Yes
- Mates with: One-Touch FPC Connectors in series 200485-06XX and 200485-07XX\*
- \*XX designates the number of circuits

### Electrical

- Voltage (max.): 50V AC RMS
- Current (max.): 0.5A per conductor
- Dielectric Withstanding Voltage: 125V AC
- Differential Impedance: 100 Ohms ± 10 Ohms
- Single-Line Impedance: 50 Ohms ± 10 Ohms

### Physical

- Cable Retention: Locking with notches for better retention in high-shock and high-vibration environments (23N minimum)
- Contact: 35µm Copper with 0.1µm Gold plating
- Insulation Tape: Polyimide and thermal adhesive
- Folding: Cable can be folded 180° for 20 times minimum
- Operating Temperatures: -40 to +105°C

## ORDERING INFORMATION

Series Number	Description
15026	Premo-Flex FPC 0.50mm-Pitch One-Touch LVDS Jumper Cables with Latching Notches
200485-06XX	Easy-On FFC/FPC One-Touch Connector, 0.50mm Pitch, Right-Angle with Grounding Pin
200485-07XX	Easy-On FFC/FPC One-Touch Connector, 0.50mm Pitch, Vertical with Grounding Pin

[www.molex.com/product/premoflex\\_ffc-fpc.html](http://www.molex.com/product/premoflex_ffc-fpc.html)