

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.



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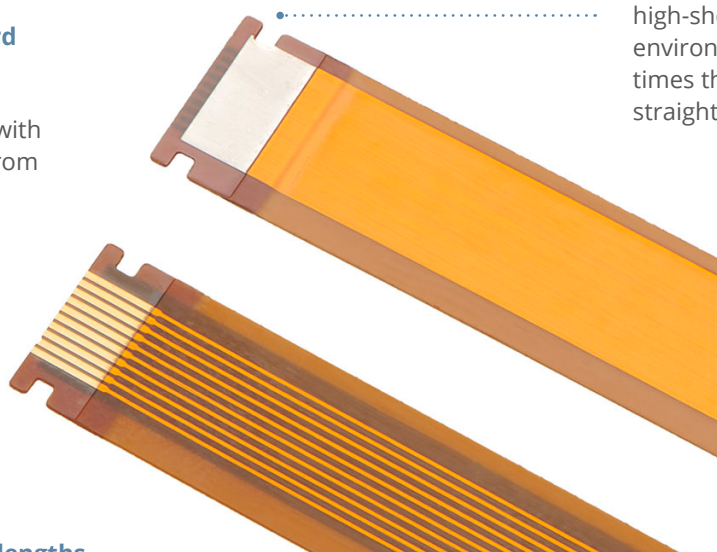
FEATURES AND ADVANTAGES

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

Controlled impedance

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

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

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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



Drones



Robotics



Display Audio Equipment



Patient Monitoring

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 \pm 10 Ohms
Single-Line Impedance: 50 Ohms \pm 10 Ohms

Physical

Cable Retention: Locking with notches for better retention in high-shock and high-vibration environments (23N minimum)
Contact: 35 μ m Copper with 0.1 μ m 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