

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.

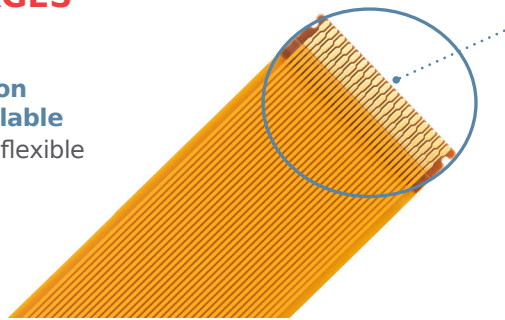
FEATURES AND ADVANTAGES

Customization options available
Offers design flexible

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

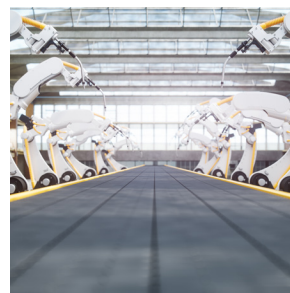
Robotics



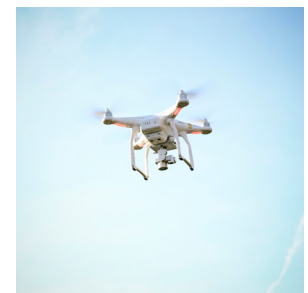
Patient Monitoring



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