



Customer Presentation (Extension)

PREMO-FLEX 90-OHM LVDS FFC JUMPERS

ADDING: Premo-Flex low-voltage differential signal (LVDS) flat-flexible cable (FFC) jumpers with 90 Ohms of impedance and differential pairs to serve USB connection applications

PRESENTER:

DATE:



Premo-Flex 90-Ohm LVDS FFC Jumpers

Premo-Flex 90-Ohm Low-Voltage Differential Signal (LVDS) Flat-Flexible Cable (FFC) Jumpers support high-speed USB connections through their inclusion of differential pairs for improved signal integrity at speeds ranging from 2 to 10 Gbps.

Key Product Information

Category: Premo-Flex FFC jumpers

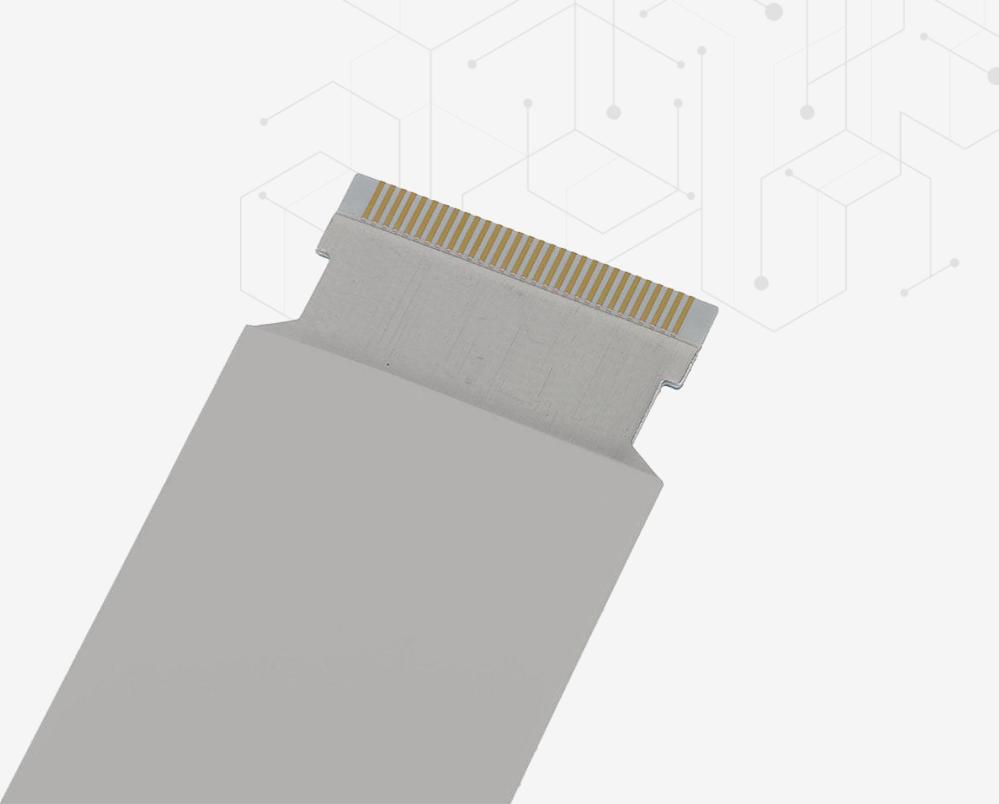
Pitch: 0.50mm

Current: 0.5A (max. per contact)

Voltage: 30V AC (max.)

Impedance: 90 ± 10 Ohms

Data Speeds: 2 to 10 Gbps



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New Series

15922 **Premo-Flex 90-Ohm LVDS FFC Jumpers**

Vital Product Information

Premo-Flex 90-Ohm LVDS FFC Jumpers

What makes this product different from the competition?

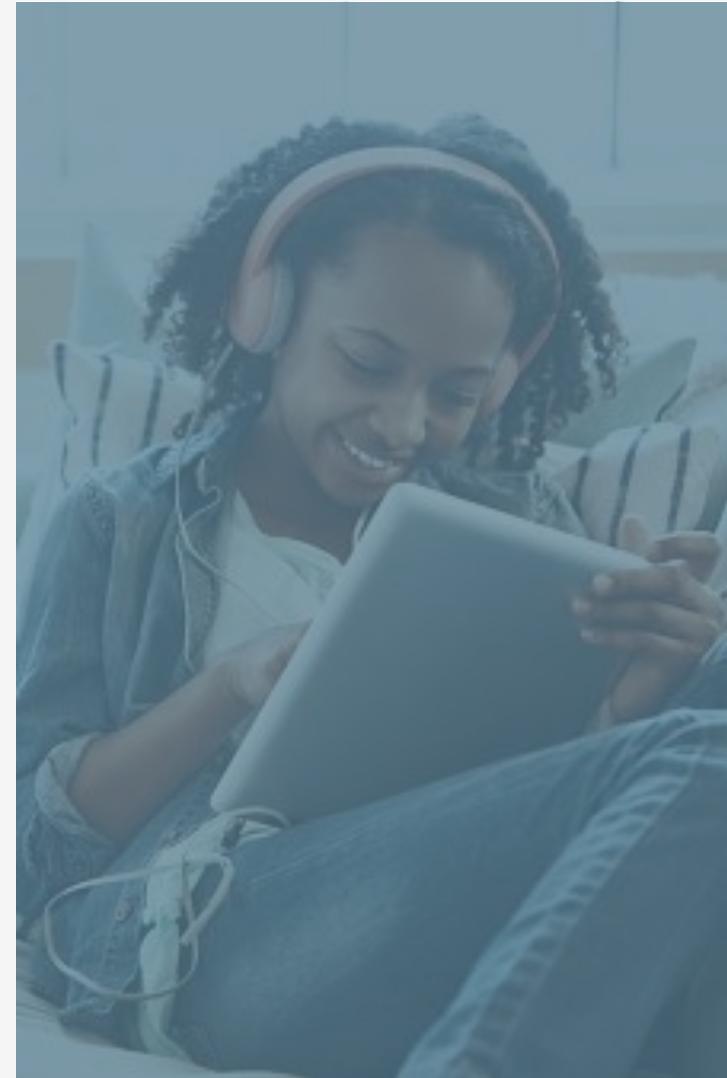
Molex is a “one-stop shop” for flexible connectivity needs, offering an extensive range of FFC jumpers and matching Easy-On connectors that are tested and validated to work as a complete system. With numerous off-the-shelf and custom products available, Molex can deliver end-to-end FFC solutions.

How does this product create value for our customers?

Premo-Flex 90-Ohm LVDS FFC Jumpers support USB connections with 90-Ohm controlled impedance, enabling flexible, high-speed board-to-board connectivity. These LVDS FFC jumpers utilize differential pairs for superior signal integrity and reduced electromagnetic interference. Numerous standard options for jumper lengths and circuit counts provide design flexibility while reducing lead times and lowering procurement and supply chain risks.

What is the Molex advantage?

A global manufacturing base, robust engineering support, and an extensive range of off-the-shelf options and customization capabilities make Molex a unique partner in finding flexible connectivity solutions.



Markets and Applications

Premo-Flex 90-Ohm LVDS FFC Jumpers



Phones



Virtual Cockpits



Medical Monitoring Devices

CONSUMER

- Cameras
- Phones
- Televisions
- Mobile devices

AUTOMOTIVE

- Vehicle infotainment systems
- Automotive LCD displays
- GPS devices
- Virtual cockpits

MEDICAL

- Medical monitoring devices

Product Advantages and Features

Premo-Flex 90-Ohm LVDS FFC Jumpers

Supports USB connectivity

The 90-Ohm differential line impedance enables flexible connectivity to USB connections, while other Premo-Flex LVDS jumpers with 100-Ohm impedance support HDMI digital interfaces such as video displays and cameras.

Improves signal integrity (SI) for high-speed connections

Using differential pairs for data transmission reduces noise and provides superior SI for data speeds in the 2 to 10 Gbps range.

Speeds time to market by offering numerous off-the-shelf options

Custom and off-the-shelf solutions are available to match customers' performance and scheduling needs.

Permits use in a variety of applications

An extensive range of cable length and circuit count options enable a high degree of design flexibility.



Key Specifications

Pitch	0.50mm
Current (max.)	0.5A
Voltage (max.)	30V AC
Differential Line Impedance	90 ± 10 Ohms
Data Speeds	2 to 10 Gbps
Operating Temperatures	-40 to +80°C



THANK YOU

creating connections for life

molex