

PREMO-FLEX ROUND FLAT CABLE JUMPERS

ADDING: Premo-Flex Round Flat Cable (RFC) Jumpers and RFC Hybrid Jumpers are soldered directly to the board by leveraging through-hole wave soldering, eliminating the need for a connector. This provides a secure mechanical bond and improves electrical performance.

NPI EXTENSION

SEPTEMBER 2024



Premo-Flex Round Flat Cable Jumpers

Enabling the use of flexible cable jumpers in compact applications requiring robust connections, Premo-Flex Round Flat Cable (RFC) Jumpers and RFC Hybrid Jumpers deliver high mechanical strength, reduce costs by eliminating connectors and wire stripping, and improve design flexibility.

Key Product Information

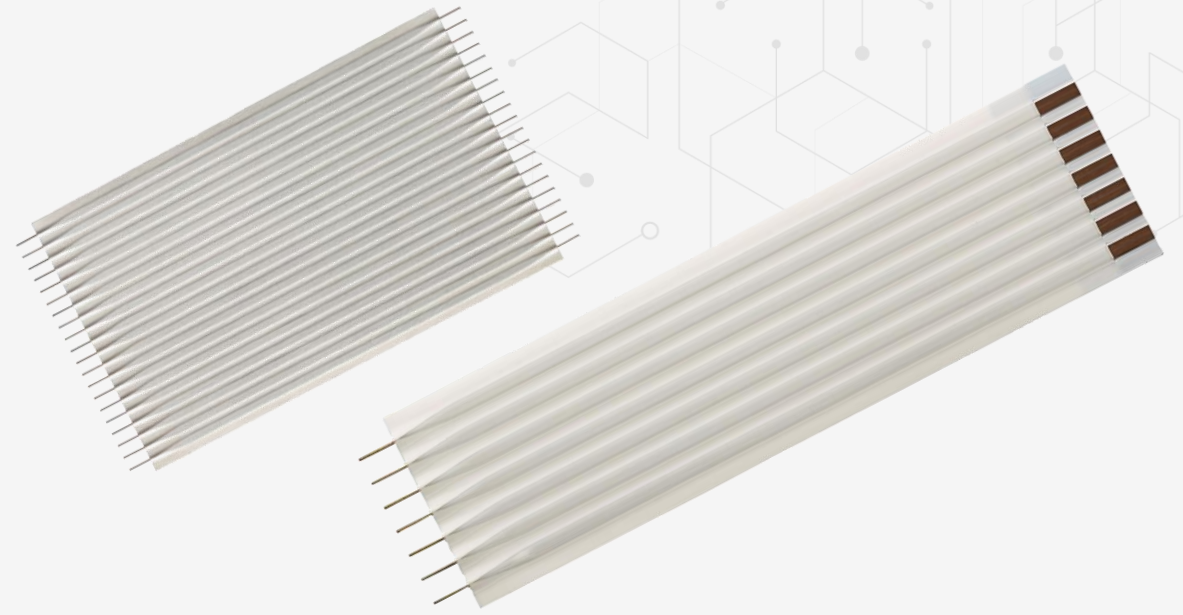
Category: Premo-Flex FFC Jumpers

Pitch: 1.00mm

Current: 1.25A (max.)

Voltage: 60V (max.)

Circuits: 2 to 50



[View Product Landing Page](#)

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Series
15061

1.00mm-Pitch Premo-Flex RFC and RFC Hybrid Jumpers

Vital Product Information

Premo-Flex Round Flat Cable Jumpers

What makes this product different from the competition?

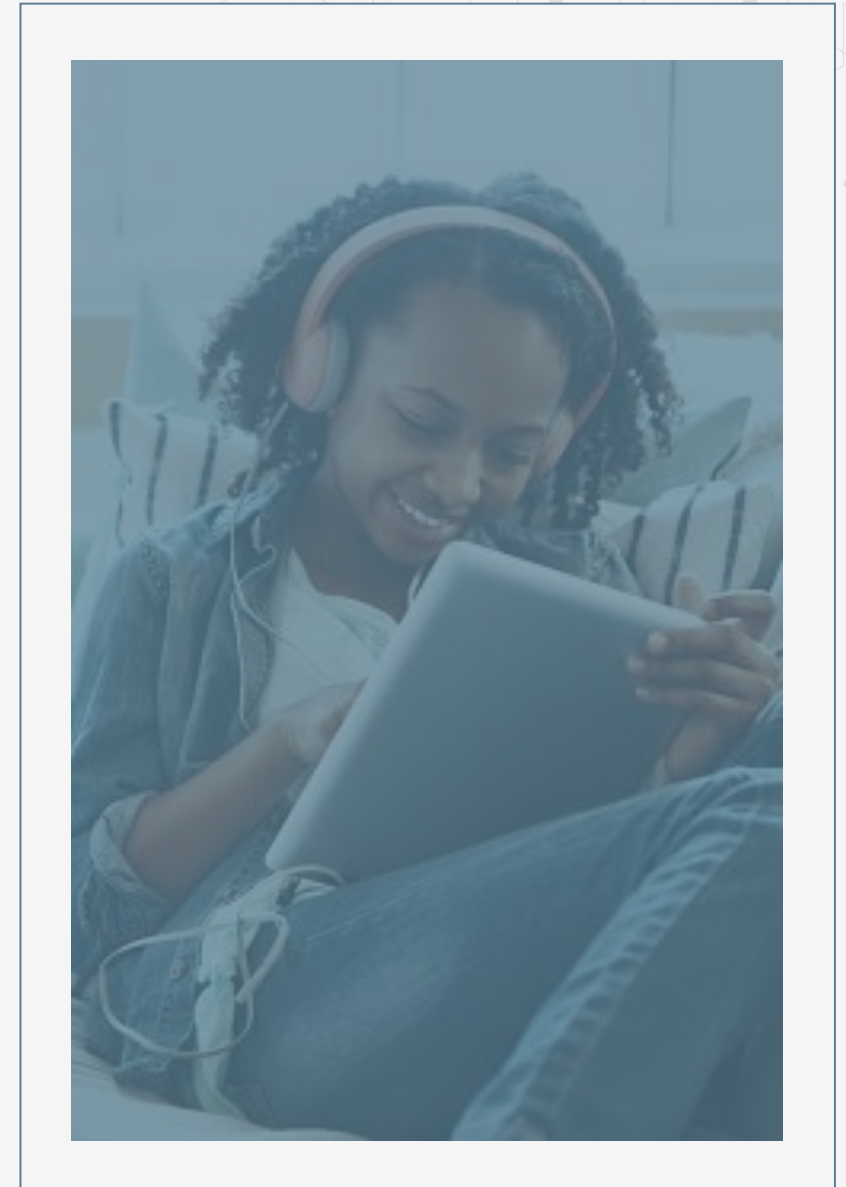
Molex is a “one-stop shop” for flexible connectivity needs, offering an extensive range of flexible jumpers and Easy-On connectors that are tested and validated to work as a complete system. With numerous off-the-shelf and custom products available, Molex can deliver end-to-end flexible connectivity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

How does this product/solution create value for our customers?

Premo-Flex RFC Jumpers and RFC Hybrid Jumpers are attached directly to the PCB through the use of through-hole wave soldering and do not require an electrical connector. The soldered connection ensures a strong bond, improving reliability in applications subject to mechanical stress or bending forces, and provides more consistent electrical performance for high-precision applications. Removing the connector also simplifies component sourcing and reduces material costs.

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 when it comes to finding flexible connectivity solutions.



Markets and Applications

Premo-Flex Round Flat Cable Jumpers



Handheld Gaming Devices



Virtual Cockpits



Televisions

MOBILE DEVICES

- Cameras
- Phones
- Handheld gaming devices

AUTOMOTIVE

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

CONSUMER

- Notebooks
- Printers
- Scanners
- Keyboards
- Televisions
- Radios
- DVD players

INDUSTRIAL AUTOMATION

- Industrial robotics systems

Product Advantages and Features

Premo-Flex Round Flat Cable Jumpers

Delivers a robust and reliable connection to the board

The round flat cable design uses a wave-soldered through-hole connection to the board, offering superior signal integrity and high resistance to vibration and bending forces.

Enhances design flexibility for wire-to-board applications

Cable options include straight RFC round-to-round connections or RFC Hybrid round-to-flat designs, with zero insertion force (ZIF) and low insertion force (LIF) Easy-On PCB connectors available for RFC Hybrid solutions.

Reduces assembly and material costs

The directly soldered attachment method eliminates the need for connectors or wire stripping, simplifying assembly operations.

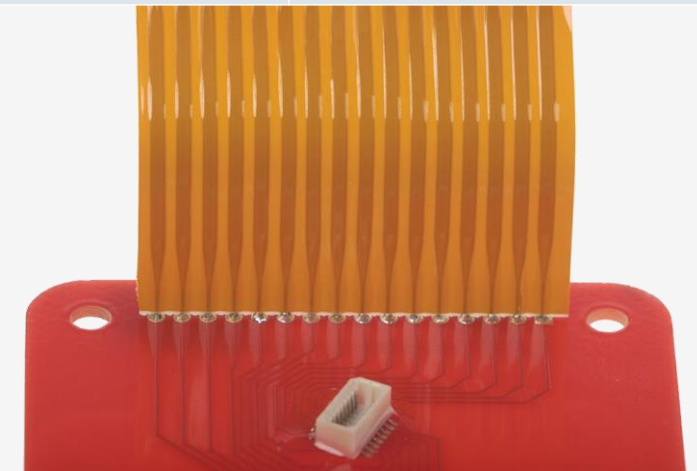
Supports miniaturization for space-constrained applications

By eliminating the connector, the design offers a smaller PCB footprint without sacrificing electrical performance or retention force.

Enables use in high-temperature environments

Standard products are rated up to +105°C. Custom solutions are available up to +125°C (with polyimide or aramid tape).

Key Specifications	
Pitch	1.00mm
Current	1.25A (max.)
Voltage	60V (max.)
Circuits	2 to 50
Height	0.60mm
Mates With Easy-On Connector Series (RFC Hybrid Only)	52207, 52271, 52610, 52808, 52793, 52852, 52806, 52807
Operating Temperatures	-40 to +105°C (For higher-temperature solutions up to +125°C, contact Molex for custom options.)





THANK YOU

creating connections for life

molex