



PREMO-FLEX MINIATURIZATION SOLUTIONS >

PRODUCT OVERVIEW

Premo-Flex Miniaturization Solutions provide flat flexible cables (FFCs) ideal for a variety of miniaturized applications. An extensive selection of standard off-the-shelf and customizable options with fine pitch and an innovative staggered-pin design is available.

SOLVING INDUSTRY CHALLENGES

INDUSTRY CHALLENGE	PRODUCT SOLUTION
<p>FINE PITCH As devices become smaller, the space for board-to-board connections is shrinking.</p>	<p>Premo-Flex Miniaturization Cables feature an innovative design with staggered pins that allows them to achieve a higher circuit count in a smaller footprint.</p>
<p>CUSTOMIZATION AND VERSATILITY Manufacturers require proven flexible circuit solutions that can meet specific design and schedule needs.</p>	<p>Molex produces a wide range of custom and off-the-shelf Premo-Flex Miniaturization Solutions including various cable jumper lengths, circuit counts and latch types.</p>



PREMO-FLEX MINIATURIZATION SOLUTIONS >

FEATURES AND ADVANTAGES



ACHIEVES A HIGHER CIRCUIT COUNT IN A SMALLER FOOTPRINT

Cables have staggered pins and fine pitch, permitting more functionality in space-constrained applications



TERMINATES TO FULLY MATE WITH A WIDE RANGE OF MOLEX EASY-ON CONNECTORS

Options include zero-insertion force (ZIF), non-ZIF and low-insertion force (LIF) FFC connectors



PERMITS USE IN A VARIETY OF APPLICATIONS

Product features Gold-plated contacts and a wide range of cable length options for design flexibility



INCLUDES OFF-THE-SHELF OPTIONS FOR FASTER TIME TO MARKET

Custom and off-the-shelf solutions are available to match customer performance and scheduling needs

APPLICATION SPOTLIGHT

IMPROVING DESIGN FLEXIBILITY IN MINIATURIZED APPLICATIONS

Miniaturization is demanding smaller and smaller footprints for board-to-board connectors. Premo-Flex Miniaturization Solutions offer FFC jumpers ideal for a variety of industries including consumer, medical, automotive, datacom and industrial. Examples of applications include:

- | Cameras
- | Handheld gaming devices
- | Keyboards
- | GPS devices
- | Phones
- | Drones
- | Medical monitoring devices
- | Robotics

ORDERING INFORMATION

Series	15014	15015	15031	15032
Pitch (mm)	0.25	0.30		
Current (A) per Contact	0.2			
Latch Type	Straight terminal		Notched	Latching ears
Retention Force* (N)	N/A		11 N	
Easy-On Connector Series	502078, 503300	502598	504754	503566
Staggered Pins	Yes			
Plating	Gold			
Max. Voltage	50V AC RMS			
Operating Temperatures	-40 to +105°C			

*According to connector specification

www.molex.com/en-us/products/cable-assemblies/flat-flexible-cables-ffc

molex