



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	15025	15031	15032
Pitch (mm)	0.25	0.30	0.40	0.30	
Current (A) per Contact	0.2		0.3	0.2	
Latch Type	Straight terminal		Latching ears	Notched	Latching ears
Retention Force* (N)	N/A		Pending	11 N	
Easy-On Connector Series	502078, 503300	502598	220363	504754	503566
Staggered Pins	Yes		No	Yes	
Plating	Gold				
Max. Voltage	50V AC RMS		60V AC RMS	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