

Choose from custom or standard cable lengths with Molex's Premo-Flex™ Flat Flexible Cable Jumpers, available in a variety of pitches plus high-temperature ratings up to +105°C, delivering flexible solutions between PCBs for virtually any industry

The complete line of 0.50, 1.00 and 1.25mm (.020, .039 and .049") pitch Flat Flex Cable (FFC) jumpers offers custom lengths and circuit sizes to accommodate a flexible interconnect between two PC boards. The Flat Flex jumpers are terminated to either Zero Insertion Force (ZIF) or non-ZIF FFC connectors, available from Molex.

Molex offers an extensive range of FFC connectors and is able to design customized FFC connectors due to customer requirements. Type A (same-side) and Type D (opposite-side) contact layouts allow for mirrored contacts in top and bottom mount ZIF applications.

For additional information visit:
www.molex.com/product/product/premoflex_ffc-fpc.html.

FEATURES AND BENEFITS

- Available in numerous circuit sizes (4 to 60) and custom lengths providing flexible design-in options
- Contact area can be configured on the same or opposite sides of the flexible cable jumper that mirrors signal layout between PCBs
- Rated up to +105°C meets industry- standard requirements
- Simple assembly process is ideal for electrical connections between PCBs, display boards, etc.
- Cable termination thickness compatible with industry-standard ZIF cable thickness requirements with 0.27mm (.011") cable thickness provides improved ease-of-assembly in hard-to-reach applications and is easy to incorporate into current applications where a lower-temperature part may have been utilized in previous revisions
- Polyester insulation meets Registration Evaluation, Authorization and Restriction of Chemicals (REACH) requirements

SPECIFICATIONS

Reference Information

Packaging: Box
 UL Style No: 20706
 Flame Resistance: UL 758 VW-1
 RoHS: Yes
 Halogen Free: Yes

Electrical

Voltage (max.): 60V
 Current (max.):
 0.50mm (.020") Pitch — .5A
 1.00mm (.039") Pitch — 1.2A
 1.25mm (.049") Pitch — 1.4A
 Conductor Resistance:
 730 ohms per km. max.
 Insulation Resistance:
 10 Megohms per km. min.
 Dielectric Test:
 200V AC for 1 minute, no disrupted discharge

Physical

Temperature Rating: -40 to +105°C
 Heat Resistance: 168 hours at +136°C
 Moisture Resistance:
 96 hours at +60°C,
 95% Relative Humidity (RH)
 Folding:
 Specimen to be folded manually at +180° over a 4.00mm (.157") radius, min. 20 cycles

Premo-Flex™ Flat Flex Cable Jumpers

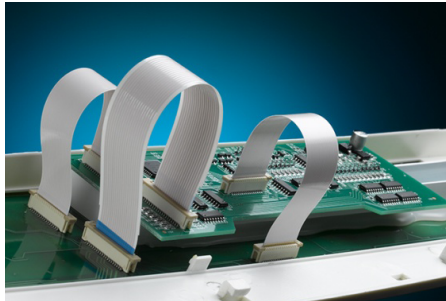
- 15266 Tin, 0.27mm (.011") Cable Thickness, 0.50mm (.020") Pitch, 105°C
- 15267 Tin, 0.27mm (.011") Cable Thickness, 1.00mm (.039") Pitch, 105°C
- 15268 Tin, 0.27mm (.011") Cable Thickness, 1.25mm (.049") Pitch, 105°C
- 15020 Gold, 0.27mm (.011") Cable Thickness, 0.50mm (.020") Pitch, 105°C
- 15039 Gold, 0.27mm (.011") Cable Thickness, 1.00mm (.039") Pitch, 105°C
- 15049 Gold, 0.27mm (.011") Cable Thickness, 1.25mm (.049") Pitch, 105°C
- 98266 Tin, 0.22mm (.009") Cable Thickness, 0.50mm (.020") Pitch, 105°C
- 98267 Tin, 0.22mm (.009") Cable Thickness, 1.00mm (.039") Pitch, 105°C
- 98268 Tin, 0.22mm (.009") Cable Thickness, 1.25mm (.049") Pitch, 105°C
- 21020 Tin, 0.27mm (.011") Cable Thickness, 0.50mm (.020") Pitch, 80°C
- 21039 Tin, 0.27mm (.011") Cable Thickness, 1.00mm (.039") Pitch, 80°C
- 21049 Tin, 0.27mm (.011") Cable Thickness, 1.25mm (.049") Pitch, 80°C



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APPLICATIONS

- Automotive
 - Radio, CD, DVD, GPS devices
 - LCD displays
 - Keyboards
 - Moveable units
- Consumer
 - Set top boxes
 - Camcorders
 - Plasma displays
- Computer
 - Notebook
 - Printer
 - Scanner
 - Keyboards
 - LCD flat panels
- Industrial
- Medical Equipment
- Military



Appliance Control Panel



Automotive Electronics



Surgery Lamp

Premo-Flex™ Flat Flex Cable Jumpers

ORDERING INFORMATION

Order No.	Plating	Temperature Rating Max.	Pitch	Circuits	Contact Type	Length	Cable Thickness			
15020-0051	Gold	+105°C	0.50mm (.020")	6	A	0.03m (1.18")	0.27mm (.011")			
15039-0202			1.00mm (.039")		D					
15049-0102			1.25mm (.049")							
15266-0052	0.50mm (.020")		A					0.22mm (.009")		
15267-0202	1.00mm (.039")									
15268-0102	1.25mm (.049")									
98266-0051	Tin		+105°C		0.50mm (.020")		6	A	0.03m (1.18")	0.22mm (.009")
98267-0202					1.00mm (.039")			D		
98268-0102					1.25mm (.049")					
21020-0051		+80°C		0.50mm (.020")	6	A				0.03m (1.18")
21039-0202				1.00mm (.039")		D				
21049-0102				1.25mm (.049")						