Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Premo-Flex™ FFC jumpers, available in a variety of pitches, cable lengths and thicknesses, plus high-temperature ratings up to +105°C, deliver durable, ultra flexible, low-cost solutions for PCB connections in virtually any industry

The complete line of 0.50, 1.00 and 1.25mm pitch flat flex cable (FFC) jumpers offers standard lengths, pitches and circuit sizes to accommodate a wide range of flexible interconnect requirements between two PC boards. Standard, off-the-shelf FFC cable jumpers reduce lead-times and tooling costs to the customer. In addition, Molex can also accommodate custom requirements for FFC cable jumpers in lengths of over 305mm, with prototype lead-times of around 1 week.

The flat flex jumpers are terminated to Zero Insertion Force (ZIF), non-ZIF or Low Insertion Force (LIF) FFC connectors, available from Molex. Premo-Flex standard flat flex jumpers are now available in extra flexible 0.12mm cable, ideal for complex board-to-board interconnections in confined spaces.

Molex offers an extensive range of FFC connectors and is able to design customized FFC connectors 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/premoflex_ffc-fpc.html

Premo-Flex™ Flat Flex Cable Jumpers

Cable Thickness 0.12mm
15166   Tin, 0.50mm Pitch, 105°C
15167   Tin, 1.00mm Pitch, 105°C
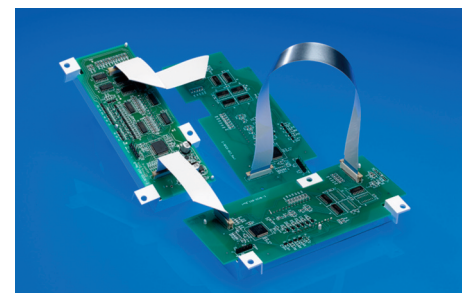15168   Tin, 1.25mm Pitch, 105°C

Cable Thickness 0.22mm
98266   Tin, 0.50mm Pitch, 105°C
98267   Tin, 1.00mm Pitch, 105°C
98268   Tin, 1.25mm Pitch, 105°C

Cable Thickness 0.27mm
15266   Tin, 0.50mm Pitch, 105°C
15267   Tin, 1.00mm Pitch, 105°C
15268   Tin, 1.25mm Pitch, 105°C
15020   Gold, 0.50mm Pitch, 105°C
15039   Gold, 1.00mm Pitch, 105°C
15049   Gold, 1.25mm Pitch, 105°C

Premo-Flex™ Flat Flex Jumpers

FEATURES AND BENEFITS

• Available in numerous circuit sizes (4 to 60) and custom lengths	• Provides limitless design-in options
• Contact area can be configured on the same or opposite sides of the flexible cable jumper	• Cable mirrors signal layout between PCBs
• Rated up to +105°C	• Meets industry-standard requirements
• Simple assembly process	• Ideal for electrical connections between PCBs, display boards, etc.
• Various cable termination thicknesses	• Meets industry-standard ZIF connector requirements • Ease-of-assembly in hard-to-reach applications
• Polyester insulation	• Meets Registration Evaluation, Authorization and Restriction of Chemicals (REACH) requirements
• Extra flexible 0.12mm cable option	• Extends life of cable: 900,000 cycles vs. standard jumper flex life of 6,000 cycles

MARKETS AND APPLICATIONS

- Automotive
  - Radio, CD, DVD, GPS device
  - LCD display
  - Keyboard
  - Moveable units

- Consumer
  - Set top box
  - Camcorder
  - Plasma display

- Computer
  - Notebook
  - Printer
  - Scanner
  - Keyboard
  - LCD flat panel

- Industrial
- Medical Equipment
- Military
- Home Appliance
  - Control Panels

Automotive Electronics

Surgery Lamp

SPECIFICATIONS

Reference Information
Packaging: Box
UL Style No: 20706 (copper wire)
Flame Resistance: UL 758 VW-1
RoHS: Yes
Halogen Free: Yes

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

Electrical
Voltage (max.): 60V
Current (max.):
0.50mm Pitch — 0.5A
1.00mm Pitch — 1.2A
1.25mm 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

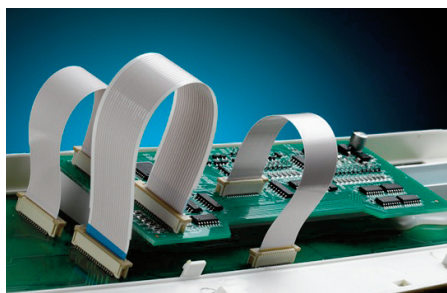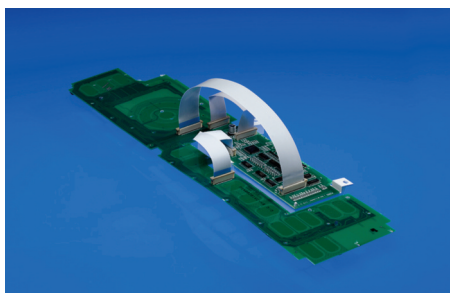# Premo-Flex™ Flat Flex Cable Jumpers

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15268   Tin, 1.25mm Pitch, 105°C
15020   Gold, 0.50mm Pitch, 105°C
15039   Gold, 1.00mm Pitch, 105°C
15049   Gold, 1.25mm Pitch, 105°C

Control Panels

ORDERING INFORMATION

Series No.	Plating Material	Cable Thickness mm	Flex Life Cycles	Pitch mm	Temp Rating Max. °C	Circuits	Contact Layout Type	Cable Lengths	Minimum Order Quantity
15166-XXXX				0.50					
15167-XXXX		0.12	2.5M	1.00		6 to 60			
15168-XXXX				1.25					
98266-XXXX				0.50	105	6 to 50			
98267-XXXX	Tin	0.22	100K	1.00		4 to 50			
98268-XXXX				1.25					
15266-XXXX				0.50			A or D	Standard lengths 30 up to 305mm Custom lengths available over 305mm	1000
15267-XXXX				1.00		4 to 50			
15268-XXXX		.27	10K	1.25	105				
15020-XXXX				0.50		6 to 50			
15039-XXXX	Gold			1.00		4 to 50			
15049-XXXX				1.25					

molex®