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 ultra-thin, ultra-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

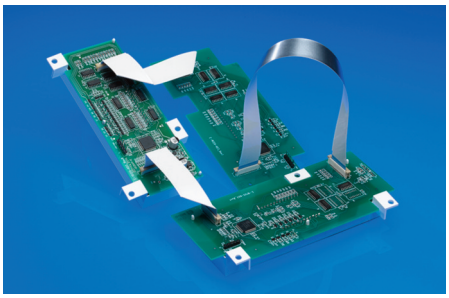
15166 Tin, 0.50mm Pitch, 105°C
15167 Tin, 1.00mm Pitch, 105°C
15168 Tin, 1.25mm Pitch, 105°C

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

21020 Tin, 0.50mm Pitch, 80°C
21039 Tin, 1.00mm Pitch, 80°C
21049 Tin, 1.25mm Pitch, 80°C
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
• Ultra-thin, ultra-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

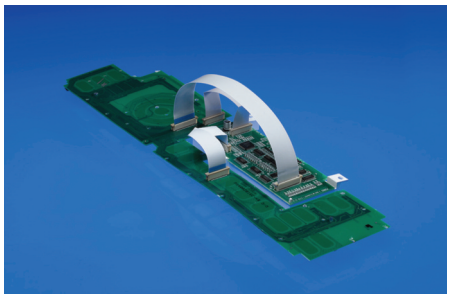
Surgery Lamp

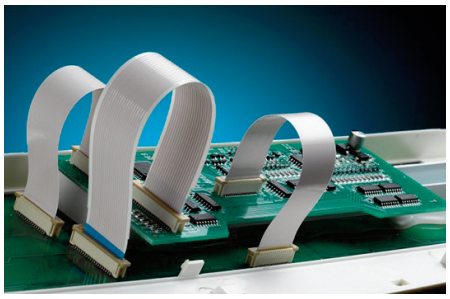
SPECIFICATIONS

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





Control Panels

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
21020 Tin, 0.50mm Pitch, 80°C
21039 Tin, 1.00mm Pitch, 80°C
21049 Tin, 1.25mm Pitch, 80°C
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

ORDERING INFORMATION

Series No.	Plating Material	Cable Thickness mm	Pitch mm	Temp Rating Max. °C	Circuits	Contact Layout Type	Cable Lengths	Minimum Order Quantity
15166-XXXX	Tin	0.12	0.50	105	6 to 60	A or D	Standard lengths 30 up to 305mm Custom lengths available over 305mm	1000
15167-XXXX			1.00					
15168-XXXX			1.25					
98266-XXXX		0.22	0.50		6 to 50			
98267-XXXX			1.00		4 to 50			
98268-XXXX			1.25					
21020-XXXX		0.27	0.50	80	6 to 50			
21039-XXXX			1.00					
21049-XXXX			1.25					
15266-XXXX			0.50	105	4 to 50			
15267-XXXX			1.00					
15268-XXXX			1.25					
15020-XXXX	Gold		0.50		6 to 50			
15039-XXXX			1.00		4 to 50			
15049-XXXX			1.25					

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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