

Premo-Flex™ Hot Bar Soldering Cable Jumpers

molex®

Delivering permanent direct-to-PCB connections in high-vibration environments and superior signal integrity, Premo-Flex™ Hot Bar Soldering Cable Jumpers are available in a variety of pitches, circuit sizes and terminations

Features and Benefits

Permanently affixed to PCBs via direct soldering

Durable board-to-board connections that withstand high vibration. Delivers superior signal integrity and creates cost savings by eliminating need for connectors

Flat cable design

Offers flexibility to be folded and bent for applications with space restrictions

Opposite or same-side contact-area configurations

Mirrors signal layout between PCBs

Simple assembly process

Ideal for electrical connections between PCBs, display boards, etc.

Available in numerous circuit sizes and custom lengths

Provides flexible design-in options

Hybrid terminations: zero insertion force (ZIF) or low insertion force (LIF) to through-hole soldering with round-to-flat or round throughout format options; custom pre-folds available

Enables design flexibility to interchange to different PCBs



Premo-Flex™ Hot Bar Soldering Cable Jumper

Applications

Automotive

- Radio, CD, DVD, GPS devices
- LCD displays
- Keyboards
- Moveable units

Consumer / Home Appliance

- Handheld devices
- Set top boxes
- Camcorders
- Plasma displays

Data / Computing

- Notebook
- Printer
- Scanner
- Keyboards
- LCD flat panels

Industrial

Medical

Aerospace and Defense



Automotive Electronics



Consumer Handheld Devices



Notebooks

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Specifications

REFERENCE INFORMATION

Packaging: Box
UL certification on request
RoHS: Yes
Direct-Solder to PCB: Yes

ELECTRICAL

Voltage (max.): 60V
Current (max.):
.50mm Pitch – .5A
1.0mm Pitch – 1.2A
1.25mm Pitch – 1.4A

PHYSICAL

Plating Material: Tin
Cable Temperature Rating: -40 to +105°C
Insulation Tape Temperature ratings:
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 radius, min. 20 cycles
Hot Bar Solder Reinforcement tape color: Amber

Ordering Information

Custom Product	Pitch (mm)	Cable Thickness (mm)	Plating	Circuits	Contact Layout	Cable Lengths (mm)
Contact Molex	0.50	0.27mm	Tin	4 to 50	A or D	30, 51, 76, 102, 127, 152, 178, 203, 229, 257, 305
	1.00	0.27mm	Tin	4 to 50		
	1.25	0.27mm	Tin	4 to 50		

www.molex.com/product/premoflex_ffc-fpc.html