Premo-Flex™ Hot Bar Soldering Cable Jumpers

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

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permanently affixed to PCBs via direct soldering</td>
<td>Durable board-to-board connections that withstand high vibration. Delivers superior signal integrity and creates cost savings by eliminating need for connectors.</td>
</tr>
<tr>
<td>Flat cable design</td>
<td>Offers flexibility to be folded and bent for applications with space restrictions.</td>
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<tr>
<td>Opposite or same-side contact-area configurations</td>
<td>Mirrors signal layout between PCBs.</td>
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<tr>
<td>Simple assembly process</td>
<td>Ideal for electrical connections between PCBs, display boards, etc.</td>
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<tr>
<td>Available in numerous circuit sizes and custom lengths</td>
<td>Provides flexible design-in options.</td>
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<tr>
<td>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</td>
<td>Enables design flexibility to interchange to different PCBs.</td>
</tr>
</tbody>
</table>

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**
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

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