

## Datasheet for 76650-0189

### General Information

<b>Kit Part Number:</b>	76650-0189
<b>Connector Type:</b>	Wire-to-Wire
<b>Solution:</b>	Free Hanging Connectors
<b>Molex Family:</b>	2.00 mm
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	2, 3, 4, 5
<b>Current Rating:</b>	1-2A
<b>Mounting Style:</b>	Free-Hanging
<b>Orientation:</b>	Plugs, Receptacles
<b>Pitch:</b>	2.00mm (.079")
<b>Tool Included:</b>	No
<b>Voltage Rating:</b>	125V
<b>Wire Gauge (AWG):</b>	28-24

### Product Highlights

This family has a very thin housing design, with the housings having a 2.7mm (.106") maximum thickness. The 51005 series 9.2mm (.362") mated with the 51006 series 10.8mm (.425") has a mated length of 14.8mm (.583"). The plug and receptacle mate with an audio click, and remain mated very strongly with locking tangs on both sides. The housings are marked at circuit one.

#### Features and Benefits

- Spring beam design provides high pressure and small deflection for high vibration applications
- Polarization prevents mismatching
- Operating Temperature: -40 to +105°C
- Locking tang for secure housing retention
- Very thin housing design, 2.7mm (.106")

#### Applications

- Office Automation: Printers, Fax machines, Scanners, Copiers
- Measuring / Analyzing Equipment, Security systems / alarms, Medical monitoring, Lab equipment
- Other applications: Vending machines, Gaming machines, Fitness equipment

<http://www.molexkits.com>

**Bill of Materials**

<b>Molex Part No.</b>	<b>Description</b>	<b>Quantity</b>
50012-8100	Male Crimp Terminal, Loose, for 2.00mm (.079") Pitch, 51006 Plug	50
50013-8100	Female Crimp Terminal, Loose, for 2.00mm (.079") Pitch, 51005 Receptacle	50
51005-0200	2.00mm (.079") Pitch Wire-to-Wire Receptacle Housing, 2 Circuits	5
51005-0300	2.00mm (.079") Pitch Wire-to-Wire Receptacle Housing, 3 Circuits	5
51005-0400	2.00mm (.079") Pitch Wire-to-Wire Receptacle Housing, 4 Circuits	3
51005-0500	2.00mm (.079") Pitch Wire-to-Wire Receptacle Housing, 5 Circuits	3
51006-0200	2.00mm (.079") Pitch Wire-to-Wire Plug Housing, 2 Circuits	5
51006-0300	2.00mm (.079") Pitch Wire-to-Wire Plug Housing, 3 Circuits	5
51006-0400	2.00mm (.079") Pitch Wire-to-Wire Plug Housing, 4 Circuits	3
51006-0500	2.00mm (.079") Pitch Wire-to-Wire Plug Housing, 5 Circuits	3

**Recommended Molex Tool**

<b>Molex Part No.</b>	<b>Description</b>
63811-7800 (not included in kit)	<a href="#">Click for more info</a>
57046-5000 (not included in kit)	<a href="#">Click for more info</a>