

Datasheet for 76650-0189

General Information

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

Specifications

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

Molex Part No.	Description	Quantity
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

Molex Part No.	Description
63811-7800 (not included in kit)	Click for more info
57046-5000 (not included in kit)	Click for more info