

## General Information

<b>Part Number:</b>	76650-0109
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	MicroBlade Connector Kit
<b>Description:</b>	Friction Lock Vertical Header and Receptacle
<b>Product Family:</b>	MicroBlade™
<b>Certificates:</b>	(Molex parts within this kit) - EU RoHS Compliant, UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

## Specifications

### Design

<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	2.00mm (.079")
<b>Connector Type:</b>	Headers and Receptacles

### Mounting

<b>Orientation:</b>	Vertical
<b>Circuit Sizes:</b>	5, 6, 9, 11 and 13
<b>Current Rating:</b>	2 Amps
<b>Voltage:</b>	125 Volts
<b>Wire size:</b>	30-24 AWG

## Product Highlights

Provides a compact and flexible solution for industry standard 2.00mm (.079") pitch applications such as consumer and small data devices. The MicroBlade system includes a reliable box-type terminal that provides secure electrical contact, and headers in straight/right angle entry for design flexibility. The system also includes a user-friendly friction lock system that includes housing windows to confirm mating.

### Features and Benefits

- Compact, low-profile size for space savings
- Friction lock for good mating retention
- Polarizing features ensures proper mating orientation
- Straight/Right Angle headers offer design flexibility

### Applications

- DVD players
- Digital video cameras
- Notebook computers
- Office automation equipment
- Automotive

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**Bill of Materials for Part No. 76650-0109**

Molex Part No.	Country of Origin	Description	Quantity in Kit
51004-0500	Japan	2.00mm (.079") Pitch MicroBlade™ Receptacle, 5 Circuits	5
51004-0600	Japan	2.00mm (.079") Pitch MicroBlade™ Receptacle, 6 Circuits	5
51004-0900	Japan	2.00mm (.079") Pitch MicroBlade™ Receptacle, 9 Circuits	5
51004-1100	Japan	2.00mm (.079") Pitch MicroBlade™ Receptacle, 11 Circuits	5
51004-1300	Japan	2.00mm (.079") Pitch MicroBlade™ Receptacle, 13 Circuits	5
53014-0510	Japan	2.00mm (.079") Pitch MicroBlade™ Header, Vertical, 5 Circuits	5
53014-0610	Japan	2.00mm (.079") Pitch MicroBlade™ Header, Vertical, 6 Circuits	5
53014-0910	Japan	2.00mm (.079") Pitch MicroBlade™ Header, Vertical, 9 Circuits	5
53014-1110	Japan	2.00mm (.079") Pitch MicroBlade™ Header, Vertical, 11 Circuits	5
53014-1310	Japan	2.00mm (.079") Pitch MicroBlade™ Header, Vertical, 13 Circuits	5
50011-8100	Japan	MicroBlade™ Female crimp terminal, 24-30 AWG	100

**Recommended Molex Tool(s) for Part No. 76650-0109\***

Molex Part No.	Country of Origin	Description
57032-5000 *	Japan	Hand crimp tool
57105-6000 *	Japan	Extraction tool

\*Tool(s) not included in kit. Tool(s) ordered separately.