

**General Information**

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

**Specifications**

**Design**  
**Configuration:** Wire-to-Board  
**Pitch:** 2.00mm (.079")  
**Connector Type:** Headers and Receptacles  
**Mounting**  
**Orientation:** Vertical  
**Circuit Sizes:** 5, 6, 9, 11 and 13  
**Current Rating:** 2 Amps  
**Voltage:** 125 Volts  
**Wire size:** 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.