



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Datasheet for 76650-0114

### General Information

<b>Part Number:</b>	76650-0114
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Micro-Latch Connector Kit
<b>Description:</b>	Friction Lock Vertical and Right Angle Header and Receptacle
<b>Product Family:</b>	Micro-Latch™
<b>Certificates:</b>	(Molex Parts within this kit) - EU and China 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>	Receptacle and Header

#### Mounting

<b>Orientation:</b>	Vertical and Right Angle
<b>Circuit Sizes:</b>	2, 3, 4, and 6
<b>Current Rating:</b>	(0.5 - 2) Amps dependent on AWG
<b>Voltage:</b>	125 Volts
<b>Wire size:</b>	30-24 AWG

### Product Highlights

Micro-Latch connectors provide a reliable connection interface for industry standard 2.00mm (.079") wire-to-board applications. The kit includes female crimp terminals, receptacle housings and semi-shrouded right angle headers. The connector applies a friction lock mechanism where the noses on the receptacle housings slide into the header wall openings. This ensures a durable mating and protection of the electrical circuits.

#### Features and Benefits

- Uses popular terminals
- Friction lock for good mating retention
- Polarizing features ensures proper mating orientation
- Surface Mount Component vertical header is reflow process capable

#### Applications

- Data Communication Equipment
- Printers/Faxes
- PC's and Monitors
- Automotive
- Home Entertainment

**Datasheet for 76650-0114**

**Bill of Materials for Part No. 76650-0114**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
50212-8100	Japan	Micro-Latch™ Pitch Female Crimp Terminal 30-24 AWG	200
51065-0200	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Receptacles 2 Circuits	20
51065-0300	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Receptacles 3 Circuits	20
51065-0400	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Receptacles 4 Circuits	20
51065-0600	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Receptacles 6 Circuits	20
53253-0270	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Vertical Headers 2 Circuits	10
53253-0370	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Vertical Headers 3 Circuits	10
53253-0470	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Vertical Headers 4 Circuits	10
53253-0670	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Vertical Headers 6 Circuits	10
53254-0270	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Right Angle Headers 2 Circuits	10
53254-0370	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Right Angle Headers 3 Circuits	10
53254-0470	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Right Angle Headers 4 Circuits	10
53254-0670	Malaysia	2.00mm (.079") Pitch Micro-Latch™ Right Angle Headers 6 Circuits	10

**Recommended Molex Tool(s) for Part No. 76650-0114\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
63819-0500 *	Sweden	Hand Crimp Tool
57105-6000 *	USA	Extraction Tool

\*Tools not included in kit. Tools ordered separately.