

## 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

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**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.

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