



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 76650-0117

### General Information

<b>Part Number:</b>	76650-0117
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini-Lock Deluxe Connector Kit
<b>Description:</b>	Fully Shrouded Positive Lock Vertical and Right Angle Header and Receptacle
<b>Product Family:</b>	Mini-Lock™
<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>	2.50mm (.098")
<b>Connector Type:</b>	Receptacle and Header

#### Mounting

<b>Orientation:</b>	Vertical and Right Angle
<b>Circuit Sizes:</b>	2, 3, 4, 5 and 6
<b>Current Rating:</b>	3 Amps
<b>Voltage:</b>	250 Volts
<b>Wire size:</b>	28-22 AWG

### Product Highlights

Mini-Lock is a versatile wire-to-board system from Molex for a broad range of 2.50mm (.098" ) pitch industry standard applications. The kit includes Right Angle headers. Mini-Lock is fully shrouded to protect contacts, and includes high guide walls to facilitate mating.

#### Features and Benefits

- Four point contact design for good electrical reliability
- Thumb-latch locking feature for easy mating and unmating
- High guide walls to facilitate mating
- Fully shrouded headers to protect pins
- Pull tabs to assist in unmating

#### Applications

- White goods
- Vending machines
- Automotive
- PDAs
- TVs

**For additional Molex / Waldom Design and Solution kits please go to [www.molexkits.com](http://www.molexkits.com)**

**Datasheet for 76650-0117**

**Bill of Materials for Part No. 76650-0117**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
50351-8100-C	Japan	Mini-Lock™ Female Crimp Terminals 28-22 AWG	200
51103-0200	Japan	2.50mm (.098") Pitch Mini-Lock™ Receptacles 2 Circuits	10
51103-0300	Japan	2.50mm (.098") Pitch Mini-Lock™ Receptacles 3 Circuits	10
51103-0400	Japan	2.50mm (.098") Pitch Mini-Lock™ Receptacles 4 Circuits	10
51103-0500	Japan	2.50mm (.098") Pitch Mini-Lock™ Receptacles 5 Circuits	10
51103-0600	Japan	2.50mm (.098") Pitch Mini-Lock™ Receptacles 6 Circuits	10
53426-0210	Japan	2.50mm (.098") Pitch Mini-Lock™ Right Angle Headers 2 Circuits	5
53426-0310	Japan	2.50mm (.098") Pitch Mini-Lock™ Right Angle Headers 3 Circuits	5
53426-0410	Japan	2.50mm (.098") Pitch Mini-Lock™ Right Angle Headers 4 Circuits	5
53426-0510	Japan	2.50mm (.098") Pitch Mini-Lock™ Right Angle Headers 5 Circuits	5
53426-0610	Japan	2.50mm (.098") Pitch Mini-Lock™ Right Angle Headers 6 Circuits	5

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53375-0210	Korea	2.50mm (.098") Pitch Mini-Lock™ Vertical Headers 2 Circuits	5
53375-0310	Korea	2.50mm (.098") Pitch Mini-Lock™ Vertical Headers 3 Circuits	5
53375-0410	Korea	2.50mm (.098") Pitch Mini-Lock™ Vertical Headers 4 Circuits	5
53375-0510	Korea	2.50mm (.098") Pitch Mini-Lock™ Vertical Headers 5 Circuits	5
53375-0610	Korea	2.50mm (.098") Pitch Mini-Lock™ Vertical Headers 6 Circuits	5

**Recommended Molex Tool(s) for Part No. 76650-0117\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
63811-8100 *	Sweden	Hand Crimp Tool
57309-6000 *	Japan	Extraction Tool

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