

## 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)**

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**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.