

Datasheet for 76650-0117

General Information

Part Number:	76650-0117
Manufacturer:	Molex / Waldom
Title:	Mini-Lock Deluxe Connector Kit
Description:	Fully Shrouded Positive Lock Vertical and Right Angle Header and Receptacle
Product Family:	Mini-Lock™
Certificates:	(Molex parts within this kit) - EU and China RoHS Compliant, UL and CSA
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Wire-to-Board
Pitch:	2.50mm (.098")
Connector Type:	Receptacle and Header

Mounting

Orientation:	Vertical and Right Angle
Circuit Sizes:	2, 3, 4, 5 and 6
Current Rating:	3 Amps
Voltage:	250 Volts
Wire size:	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

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Bill of Materials for Part No. 76650-0117

Molex Part No.	Country of Origin	Description	Quantity in Kit
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*

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

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