

Datasheet for 76650-0227

**General Information**

**Part Number:** 76650-0227  
**Manufacturer:** Molex / Waldom  
**Title:** Mini-Latch Deluxe Connector Kit  
**Description:** Friction Lock Vertical and Right Angle Header and Receptacle  
**Product Family:** Mini-Latch™  
**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:** Includes 3, 4 and 6 Circuits

**Current:** (1.5 - 3) Amps depending on AWG  
**Voltage:** 250 Volts  
**Wire size:** 28-22 AWG

**Product Highlights**

Mini-Latch connectors provide a reliable interface for industry-standard 2.50mm (.098" ) wire-to-board applications. The system includes a box-style contact design and housing-side terminal latch to provide protection to the contact area during and after assembly. The durable housing also includes guide rails and molded tabs to facilitate mating and unmating.

**Features and Benefits**

- Friction lock provides good mating retention
- Box-style contact protects contact area
- Polarizing features ensures proper mating
- Guide rails and molded ledges facilitates mating and unmating

**Applications**

- Datacommunication equipment
- Printers and faxes
- PCs and monitors
- Automotive

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**Bill of Materials for Part No. 76650-0227**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
50802-9101	Japan	Mini-Latch™ Female Crimp Terminals 28-22 AWG	130
51191-0300	Japan	2.50mm (.098") Pitch Mini-Latch™ Receptacles 3 Circuits	10
51191-0400	Japan	2.50mm (.098") Pitch Mini-Latch™ Receptacles 4 Circuits	10
51191-0600	Japan	2.50mm (.098") Pitch Mini-Latch™ Receptacles 6 Circuits	10
22-04-1031	China	2.50mm (.098") Pitch Vertical Headers 3 Circuits	5
22-04-1041	China	2.50mm (.098") Pitch Vertical Headers 4 Circuits	5
22-04-1061	China	2.50mm (.098") Pitch Vertical Headers 6 Circuits	5
22-05-1032	Ireland	2.50mm (.098") Pitch Right Angle Headers 3 Circuits	5
22-05-1042	Ireland	2.50mm (.098") Pitch Right Angle Headers 4 Circuits	5
22-05-1062	Ireland	2.50mm (.098") Pitch Right Angle Headers 6 Circuits	5

**Recommended Molex Tool(s) for Part No. 76650-0227\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
63811-5200 *	Germany	Hand Crimp Tool for 2.50mm (.098")

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