

## Datasheet for 76650-0039

### General Information

<b>Part Number:</b>	76650-0039
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Solderless Terminal Kit
<b>Description:</b>	Assorted PVC Insulated Quick Disconnect, Ring, Spade and Butt Splice Terminals. Nylon Insulated Closed-End Solderless Terminals, With Universal Crimping Tool
<b>Product Family:</b>	Solderless Terminals
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	(Wire-to-Wire) and (Wire-to-Board) / Solderless Terminals
<b>Size(s):</b>	.250", # 6, # 10, 1/4" and 3/8"
<b>Insulation:</b>	PVC and Nylon
<b>Current Rating:</b>	Per (Proper) Wire Specification
<b>Voltage:</b>	Per (Proper) Wire Specification
<b>Wire size:</b>	(22-18), (22-14), (16-14) and (12-10)

### Product Highlights

Quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which allows the terminal to slide onto and off of a male blade.

Spades have the open tongue end used for rapid insertion on the mounting screw. The spade is usually used on free standing studs.

Closed-end connectors are used in a variety of situations to "pigtail" or tie together 2 or more wires.

Butt Splices allow two stripped wires to be inserted into each end and "butt" in the center, with the crimp securing both wires together.

### Features and Benefits

### Applications

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- Color-coded insulator allows easy identification of terminal size and wire gauge.
  - A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires.
  - Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back.
  - The spade's open tongue end is for rapid insertion on the mounting screw / stud
  - The basic ring tongue type is the safest and most reliable because it cannot be disconnected unless the screw is completely removed.
- MRO (Maintenance Repair and Operations)
  - Consumer applications
  - Power applications
  - Motor applications
  - Powertrains
  - Transportation
  - Construction / Mining
  - Energy / Power
  - Production Equipment
  - Instrumentation
  - Environmental Equipment and Controls
  - Blower Motors

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**Bill of Materials for Part No. 76650-0039**

Molex Part No.	Country of Origin	Description	Quantity in Kit
19017-0037	USA	Insulated .250" Female Quick Disconnects, 16-14 AWG	10
19023-0012	USA	Insulated .250" Male Quick Disconnects, 16-14 AWG	10
19054-0035	USA	Insulated #6 Ring Tongue Terminals, 22-18 AWG	10
19054-0039	USA	Insulated #10 Ring Tongue Terminals, 22-18 AWG	10
19054-0081	USA	Insulated #6 Ring Tongue Terminals, 16-14 AWG	10
19054-0113	USA	Insulated #10 Ring Tongue Terminals, 16-14 AWG	10
19070-0123	USA	Insulated #10 Ring Tongue Terminals, 12-10 AWG	10
19119-0004	USA	Insulated #6 Flanged Block Spade Terminals, 22-18 AWG	10
19130-0044	USA	Insulated #6 Block Spade Terminals, 16-14 AWG	10
19130-0046	USA	Insulated #10 Block Spade Terminals, 16-14 AWG	10
19154-0004	USA	Insulated Butt Splice Connectors, 22-18 AWG	10
19160-0009	USA	Insulated Nylon Closed-end Connectors, 22-14 AWG	10
CT-4071-1R^	Taiwan	Universal Hand Crimping Tool, 22-10 AWG	1

^=Tool Provided by Waldom

**Recommended Molex Tool(s) for Part No. 76650-0039\***

Molex Part No.	Country of Origin	Description
<a href="#">64001-0100</a> *	USA	Hand Crimp Tool (RHT-1990)
<a href="#">64001-0200</a> *	USA	Hand Crimp Tool (RHT-1991)
<a href="#">64001-0300</a> *	USA	Hand Crimp Tool (RHT-1993)
<a href="#">64001-0600</a> *	USA	Hand Crimp Tool (RHT-7000)
<a href="#">64001-1400</a> *	USA	Hand Crimp Tool (RHT-2100)
<a href="#">64001-1500</a> *	USA	Hand Crimp Tool (RHT-2200)
<a href="#">64001-2000</a> *	USA	Hand Crimp Tool (RHT-5758)
<a href="#">64001-4700</a> *	USA	Hand Crimp Tool (RHT-2761-CC)

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