

## Datasheet for 76650-0038

### General Information

|                           |   |
|---------------------------|---|
| <b>Part Number:</b>       | 76650-0038  |
| <b>Manufacturer:</b>      | Molex / Waldom  |
| <b>Title:</b>             | Solderless Terminal Kit   |
| <b>Description:</b>       | Assorted Non-Insulated Quick Disconnect, Ring, Spade and Butt Splice Solderless Terminals, with Universal Crimping Tool |
| <b>Product Family:</b>    | Solderless Terminals  |
| <b>Certificates:</b>      | (Molex Parts within this kit) - EU RoHS Compliant and UL  |
| <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, # 8, # 10, 1/4" and 3/8"                      |
| <b>Current Rating:</b> | Per (Proper) Wire Specification                           |
| <b>Voltage:</b>        | Per (Proper) Wire Specification                           |
| <b>Wire size:</b>      | (22-18), (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.

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

- Terminals employ the full barrel length that eliminates costly and time consuming location when crimping
- Finest quality electrolytic copper
- One-piece design, butted seam
- 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.
- Block Spades are designed for use in terminal blocks

### Applications

- 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

**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. 76650-0038**

| <b>Molex Part No.</b> | <b>Country of Origin</b> | <b>Description</b>                                       | <b>Quantity in Kit</b> |
|-----------------------|--------------------------|--|------------------------|
| 19016-0111            | USA                      | Non-insulated .250" Female Quick Disconnects, 16-14 AWG  | 45                     |
| 19022-0018            | USA                      | Non-insulated .250" Male Quick Disconnects, 16-14 AWG    | 45                     |
| 19044-0031            | USA                      | Non-insulated #8 Ring Tongue Terminals, 16-14 AWG        | 45                     |
| 19044-0032            | USA                      | Non-insulated #10 Ring Tongue Terminals, 16-14 AWG       | 45                     |
| 19044-0066            | USA                      | Non-insulated #6 Ring Tongue Terminals, 22-18 AWG        | 45                     |
| 19044-0152            | USA                      | Non-insulated #6 Ring Tongue Terminals, 16-14 AWG        | 45                     |
| 19044-0158            | USA                      | Non-insulated 1/4" Ring Tongue Terminals, 16-14 AWG      | 45                     |
| 19069-0209            | USA                      | Non-insulated #10 Ring Tongue Terminals, 12-10 AWG       | 45                     |
| 19069-0219            | USA                      | Non-insulated 1/4" Ring Tongue Terminals, 12-10 AWG      | 45                     |
| 19069-0241            | USA                      | Non-insulated 3/8" Ring Tongue Terminals, 12-10 AWG      | 45                     |
| 19140-0035            | USA                      | Non-insulated #6 Block Spade Terminals, 22-18 AWG        | 45                     |
| 19140-0036            | USA                      | Non-insulated #8 Block Spade Terminals, 22-18 AWG        | 45                     |
| 19140-0037            | USA                      | Non-insulated #10 Block Spade Terminals, 22-18 AWG       | 45                     |
| 19140-0090            | USA                      | Non-insulated #6 Block Spade Terminals, 16-14 AWG        | 45                     |
| 19140-0091            | USA                      | Non-insulated #8 Block Spade Terminals, 16-14 AWG        | 45                     |
| 19140-0093            | USA                      | Non-insulated #10 Block Spade Terminals, 16-14 AWG       | 45                     |
| 19141-0085            | USA                      | Non-insulated #10 Block Spade Terminals, 12-10 AWG       | 45                     |
| 19189-0002            | USA                      | Non-insulated Butt Splice Connector Terminals, 22-18 AWG | 45                     |
| 19189-0008            | USA                      | Non-insulated Butt Splice Connector Terminals, 16-14 AWG | 45                     |
| 19189-0015            | USA                      | Non-insulated Butt Splice Connector Terminals, 12-10 AWG | 45                     |
| CT-4071-1R^           | Taiwan                   | Universal Hand Crimping Tool, 22-10 AWG                  | 1                      |

^ =Tool Provided by Waldom

**Recommended Molex Tool(s) for Part No. 76650-0038\***

| <b>Molex Part No.</b> | <b>Country of Origin</b> | <b>Description</b>         |
|-----------------------|--------------------------|----------------------------|
| 64003-0100 *          | USA                      | Hand Crimp Tool (RHT-1992) |
| 64003-1200 *          | USA                      | Hand Crimp Tool (RHT-1752) |

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

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