

## Datasheet for 76650-0035

### General Information

|                           |                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Part Number:</b>       | 76650-0035                                                                                                     |
| <b>Manufacturer:</b>      | Molex / Waldom                                                                                                 |
| <b>Title:</b>             | Solderless Terminal Kit                                                                                        |
| <b>Description:</b>       | Assorted Non-Insulated .250" Quick Disconnect Ring, Spade, Butt Splice and Hook Terminal, Universal Crimp Tool |
| <b>Product Family:</b>    | Solderless Terminal                                                                                            |
| <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, # 10 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

### Applications

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| <ul style="list-style-type: none"><li>• Terminals employ the full barrel length that eliminates costly and time consuming location when crimping</li><li>• Finest quality electrolytic copper</li><li>• One-piece design, butted seam</li><li>• The Spade's open tongue end is for rapid insertion on the mounting screw / stud</li><li>• The basic Ring Tongue type is the safest and most reliable because it cannot be disconnected unless the screw is completely removed.</li><li>• Block Spades are designed for use in terminal blocks</li><li>• Hook combines the security advantage of the ring with the easy-handling characteristics of the spade.</li></ul> | <ul style="list-style-type: none"><li>• MRO (Maintenance Repair and Operations)</li><li>• Consumer applications</li><li>• Power applications</li><li>• Motor applications</li><li>• Powertrains</li><li>• Transportation</li><li>• Construction / Mining</li><li>• Energy / Power</li><li>• Production Equipment</li><li>• Instrumentation</li><li>• Environmental Equipment and Controls</li><li>• Blower Motors</li></ul> |
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### Bill of Materials for Part No. 76650-0035

| Molex Part No. | Country<br>of Origin | Description                                               | Quantity in<br>Kit |
|----------------|----------------------|-----------------------------------------------------------|--------------------|
| 19016-0111     | USA                  | Non-insulated .250" Female Quick Disconnects, 16-14 AWG   | 15                 |
| 19022-0018     | USA                  | Non-insulated .250" Male Quick Disconnects, 16-14 AWG     | 15                 |
| 19044-0032     | USA                  | Non-insulated #10 Ring Tongue Terminals, 16-14 AWG        | 15                 |
| 19044-0068     | USA                  | Non-insulated #6 Ring Tongue Terminals, 22-18 AWG         | 15                 |
| 19044-0072     | USA                  | Non-insulated #10 Ring Tongue Terminals, 22-18 AWG        | 15                 |
| 19044-0152     | USA                  | Non-insulated #6 Ring Tongue Terminals, 16-14 AWG         | 15                 |
| 19118-0021     | USA                  | Non-insulated #6 Flanged Block Spade Terminals, 22-18 AWG | 15                 |
| 19128-0021     | USA                  | Non-insulated #6 Block Spade Terminals, 16-14 AWG         | 15                 |
| 19146-0037     | USA                  | Non-insulated #10 Block Spade Terminals, 16-14 AWG        | 15                 |
| 19170-0001     | USA                  | Non-insulated #6 Hook Tongue Terminals, 22-18 AWG         | 15                 |
| 19189-0002     | USA                  | Non-insulated Butt Splice Connectors, 22-18 AWG           | 15                 |
| 19189-0008     | USA                  | Non-insulated Butt Splice Connectors, 16-14 AWG           | 15                 |
| CT-4071-1R^    | Taiwan               | Universal Hand Crimping Tool, 22-10 AWG                   | 1                  |

^ = Tool Provided by Waldom

### Recommended Molex Tool(s) for Part No. 76650-0035\*

| Molex Part No. | Country<br>of Origin | Description                |
|----------------|----------------------|----------------------------|
| 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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