

## Datasheet for 76650-0043

### General Information

|                           |                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Part Number:</b>       | 76650-0043                                                                                                                                                                         |
| <b>Manufacturer:</b>      | Molex / Waldom                                                                                                                                                                     |
| <b>Title:</b>             | Solderless Terminal Kit                                                                                                                                                            |
| <b>Description:</b>       | Assorted PVC Insulated Quick Disconnect, Ring, Spade, Butt Splice and Multi-Lock Terminals. Nylon Fully Insulated Quick Disconnect and Nylon Closed-End Terminals, with Crimp 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

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| <b>Design</b>          |                                                           |
| <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.

## Datasheet for 76650-0043

| Features and Benefits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Applications                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Color-coded insulator allows easy identification of terminal size and wire gauge.</li> <li>• A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires.</li> <li>• Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back.</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> </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> |

### Bill of Materials for Part No. 76650-0043

| Molex Part No. | Country of Origin | Description                                               | Quantity in Kit |
|----------------|-------------------|-----------------------------------------------------------|-----------------|
| 19004-0005     | USA               | Fully Insulated .250" Male Quick Disconnects, 16-14 AWG   | 25              |
| 19005-0005     | USA               | Fully Insulated .250" Female Quick Disconnects, 16-14 AWG | 25              |
| 19017-0037     | USA               | Insulated .250" Female Quick Disconnects, 16-14 AWG       | 25              |
| 19023-0012     | USA               | Insulated .250" Male Quick Disconnects, 16-14 AWG         | 25              |
| 19054-0033     | USA               | Insulated #6 Ring Tongue Terminals, 22-18 AWG             | 25              |
| 19054-0081     | USA               | Insulated #6 Ring Tongue Terminals, 16-14 AWG             | 25              |
| 19054-0086     | USA               | Insulated 1/4" Ring Tongue Terminals, 16-14 AWG           | 25              |
| 19054-0113     | USA               | Insulated #10 Ring Tongue Terminals, 16-14 AWG            | 25              |
| 19070-0123     | USA               | Insulated #10 Ring Tongue Terminals, 12-10 AWG            | 25              |
| 19070-0153     | USA               | Insulated 3/8" Ring Tongue Terminals, 12-10 AWG           | 25              |
| 19142-0003     | USA               | Insulated #6 Spade Terminals, 22-18 AWG                   | 25              |
| 19142-0029     | USA               | Insulated #6 Spade Terminals, 16-14 AWG                   | 25              |
| 19142-0032     | USA               | Insulated #10 Spade Terminals, 16-14 AWG                  | 25              |
| 19144-0042     | USA               | Insulated #10 Spade Terminals, 12-10 AWG                  | 25              |
| 19154-0004     | USA               | Insulated Butt Splice Connectors, 22-18 AWG               | 25              |
| 19154-0015     | USA               | Insulated Butt Splice Connectors, 16-14 AWG               | 25              |
| 19154-0028     | USA               | Insulated Butt Splice Connectors, 12-10 AWG               | 25              |
| 19160-0002     | USA               | Insulated Closed-end Splice Connectors, 16-10 AWG         | 25              |
| 19160-0012     | USA               | Insulated Closed-end Splice Connectors, 22-14 AWG         | 25              |
| 19216-0003     | USA               | Insulated Multi-Lock Connectors, 16-14 AWG                | 15              |

**For additional Molex / Waldom Design and Solution kits please go to [www.molexkits.com](http://www.molexkits.com)**

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|             |        |                                         |   |
|-------------|--------|-----------------------------------------|---|
| CT-4071-1R^ | Taiwan | Universal Hand Crimping Tool, 22-10 AWG | 1 |
|-------------|--------|-----------------------------------------|---|

^ =Tool Provided by Waldom

## Datasheet for 76650-0043

### Recommended Molex Tool(s) for Part No. 76650-0043\*

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

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



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