

## Datasheet for 76650-0154

### General Information

|                           |                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Part Number:</b>       | 76650-0154                                                                                                                |
| <b>Manufacturer:</b>      | Molex / Waldom                                                                                                            |
| <b>Title:</b>             | Solderless Terminal Kit                                                                                                   |
| <b>Description:</b>       | Nylon Insulated Ring 3 and 4 Way Ring Splice and # 5-6, # 8, # 10, 1/4" Stud Size Ring Terminal with Universal Crimp Tool |
| <b>Product Family:</b>    | Splices and (Ring and Spade) Terminals                                                                                    |
| <b>Certificates:</b>      | (Molex Parts within this kit) - EU RoHS Compliant                                                                         |
| <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>Connector Type:</b> | Ring Terminals and Ring Terminal Splices                  |
| <b>Stud Sizes:</b>     | # 5-6 (M3-3.5), # 8 (M4), # 10 (M5) and 1/4"              |
| <b>Insulation:</b>     | Nylon                                                     |
| <b>Current Rating:</b> | (3-15) Amps - Dependant on Wire Gauge                     |
| <b>Voltage:</b>        | 300 or 600 Volts                                          |
| <b>Wire size:</b>      | (22-18), (16-14) and (12-10) AWG                          |

### Product Highlights

The basic ring tongue type is the safest and most reliable, because it cannot be disconnected unless the screw is completely removed.  
Chamfered barrel edge for faster, easier insertion of wire. Actually gathers frayed strands by funnel action. Full barrel length, (1/4") long, eliminates loss of time finding a critical crimping location, besides squeeze-outs and shearing. These terminals have multiple deep V-notches, which securely grip the wire, providing best contact and maximum holding power over wide contact area.

#### Features and Benefits

- Color-coded insulator allows easy identification of terminal size and wire gauge.
- Avikrimp provides a metal insulation support sleeve for superior strain relief
- The color-coded Nylon insulating sleeve extends beyond the metal support sleeve
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back.

#### Applications

- MRO (Maintenance Repair and Operations)
- Powertrains
- Transportation
- Construction / Mining
- Energy / Power
- Production Equipment
- Instrumentation
- Environmental Equipment and Controls
- Blower Motors

## Datasheet for 76650-0154

### Bill of Materials for Part No. 76650-0154

| Molex Part No. | Country of Origin | Description                                                   | Quantity in Kit |
|----------------|-------------------|---------------------------------------------------------------|-----------------|
| 19204-0009     | USA               | 3- Way Splice 22-18 AWG                                       | 10              |
| 19204-0018     | USA               | 3- Way Splice 16-14 AWG                                       | 10              |
| 19204-0030     | USA               | 3- Way Splice 12-10 AWG                                       | 5               |
| 19204-0008     | USA               | 4- Way Splice 22-18 AWG                                       | 10              |
| 19204-0017     | USA               | 4- Way Splice 16-14 AWG                                       | 10              |
| 19204-0029     | USA               | 4- Way Splice 12-10 AWG                                       | 5               |
| 19073-0038     | USA               | Ring Term. 22-18 AWG, Stud # 5-6 (M3-3.5)                     | 50              |
| 19073-0013     | USA               | Ring Term. 22-18 AWG, Stud # 8 (M4)                           | 50              |
| 19073-0085     | USA               | Ring Term. 16-14 AWG, Stud # 8 (M4)                           | 50              |
| 19073-0087     | USA               | Ring Term. 16-14 AWG, Stud # 10 (M5)                          | 50              |
| 19073-0170     | USA               | Ring Term. 12-10 AWG, Stud # 10 (M5)                          | 25              |
| 19073-0188     | USA               | Ring Term.12-10 AWG, Stud 1/4"                                | 25              |
| CT-4071-1R^    | Taiwan            | Universal Crimping Tool-Bolt Cutter/Wire Stripper/Wire Cutter | 1               |

^ =Tool Provided by Waldom

### Recommended Molex Tool(s) for Part No. 76650-0154\*

| Molex Part No. | Country of Origin | Description                |
|----------------|-------------------|----------------------------|
| 64001-0100 *   | USA               | Hand Crimp Tool (RHT-1990) |
| 64001-1200 *   | USA               | Hand Crimp Tool (RHT-2050) |
| 64001-1400 *   | USA               | Hand Crimp Tool (RHT-2100) |
| 64001-1500 *   | USA               | Hand Crimp Tool (RHT-2200) |

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