

## Datasheet for 76650-0159

### General Information

|                           |                        |
|---------------------------|------------------------|
| <b>Kit Part Number:</b>   | 76650-0159             |
| <b>Connector Type:</b>    | Wire-to-Wire           |
| <b>Solution:</b>          | Power Connectors       |
| <b>Molex Family:</b>      | Micro-Fit 3.0™         |
| <b>Certificates:</b>      | N/A                    |
| <b>Country of Origin:</b> | Kit assembled in U.S.A |

### Specifications

|                          |                    |
|--------------------------|--------------------|
| <b>Circuit Size:</b>     | 2, 3, 4, 5, 6      |
| <b>Current Rating:</b>   | 5A                 |
| <b>Mounting Style:</b>   | Free-Hanging       |
| <b>Orientation:</b>      | Plugs, Receptacles |
| <b>Pitch:</b>            | 3.00mm (.118")     |
| <b>Tool Included:</b>    | No                 |
| <b>Voltage Rating:</b>   | 250V               |
| <b>Wire Gauge (AWG):</b> | 24-20, 30-26       |

### Product Highlights

The Micro-Fit 3.0™ is a unique interconnect system designed to meet the need for a high contact density signal or power connector and incorporates many of the features previously found on larger power connectors. These 3.00mm (.118") pitch connectors are the perfect choice when you need compact connectors that carry up to 5 amperes of current. Micro-Fit products are available in more circuit sizes, and dual row, and wire-to-board applications. The product family has over 500 part numbers.

#### Features and Benefits

- Fully isolated contacts
- Fully polarized to mate, prevents accidental mismatching
- Integral pull tabs for ease in unmating
- Positive latching to mate, prevents accidental disconnects
- Box-type spring contact for high normal force
- Locking tang secures terminal in housing
- 4 points of contact for optimum reliability

#### Applications

- Personal Computers
- Computers and Workstations
- Handheld Devices
- Office Equipment
- Fan Tray Assemblies
- Power Supplies
- Gaming and Vending

**Bill of Materials**

| <b>Molex Part No.</b> | <b>Description</b>  | <b>Quantity</b> |
|-----------------------|---|-----------------|
| 43030-0007            | Micro-Fit 3.0™ Crimp Terminal, Female, 24-20 AWG          | 100             |
| 43031-0007            | Micro-Fit 3.0™ Crimp Terminal, Male, 24-20 AWG            | 100             |
| 43030-0010            | Female Crimp Terminal Micro-Fit™ 30-26 AWG                | 100             |
| 43031-0010            | Male Crimp Terminal Micro-Fit™, 30-26 AWG                 | 100             |
| 43645-0200            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle, 2 Circuits | 25              |
| 43645-0300            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle, 3 Circuits | 25              |
| 43645-0400            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle, 4 Circuits | 15              |
| 43645-0500            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle, 5 Circuits | 10              |
| 43645-0600            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle, 6 Circuits | 5               |
| 43640-0201            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Plug, 2 Circuits       | 25              |
| 43640-0301            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Plug, 3 Circuits       | 25              |
| 43640-0401            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Plug, 4 Circuits       | 15              |
| 43640-0501            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Plug, 5 Circuits       | 10              |
| 43640-0601            | 3.0mm (.118") Pitch Micro-Fit 3.0™ Plug, 6 Circuits       | 5               |

**Recommended Molex Tool**

| <b>Molex Part No.</b>            | <b>Description</b>                  |
|----------------------------------|-------------------------------------|
| 63819-0000 (not included in kit) | <a href="#">Click for more info</a> |
| 11-03-0043 (not included in kit) | <a href="#">Click for more info</a> |