

## Datasheet for 76650-0159

### General Information

<b>Part Number:</b>	76650-0159
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Micro-Fit 3.0 Power Connector Kit
<b>Description:</b>	3.00mm (.118") Pitch Single Row Free Hanging Plug and Receptacle
<b>Product Family:</b>	Micro-Fit 3.0™
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL, CSA and TUV
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire-to-Wire
<b>Pitch:</b>	3.0mm (.118")
<b>Connector Type:</b>	Receptacles and Plugs
<b>Circuit Sizes:</b>	2, 3, 4, 5 and 6
<b>Current Rating:</b>	5 Amps
<b>Voltage:</b>	250 Volts
<b>Wire size:</b>	(30-26) and (24-20) AWG

### 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.

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Features and Benefits	Applications
<ul style="list-style-type: none"> <li>• Fully isolated contacts</li> <li>• Fully polarized to mate, prevents accidental mismatching</li> <li>• Integral pull tabs for ease in unmating</li> <li>• Positive latching to mate, prevents accidental disconnects</li> <li>• Box-type spring contact for high normal force</li> <li>• Locking tang secures terminal in housing</li> <li>• 4 points of contact for optimum reliability</li> </ul>	<ul style="list-style-type: none"> <li>• Personal Computers</li> <li>• Computers and Workstations</li> <li>• Handheld Devices</li> <li>• Office Equipment</li> <li>• Fan Tray Assemblies</li> <li>• Power Supplies</li> <li>• Gaming and Vending</li> </ul>

**Bill of Materials for Part No. 76650-0159**

Molex Part No.	Country of Origin	Description	Quantity in Kit
43030-0007-C	USA	Female Crimp Terminal Micro-Fit 24-20 AWG	100
43031-0007-C	USA	Male Crimp Terminal Micro-Fit 24-20 AWG	100
43030-0010-C	USA	Female Crimp Terminal Micro-Fit 30-26 AWG	100
43031-0010-C	USA	Male Crimp Terminal Micro-Fit 30-26 AWG	100
43645-0200	USA	3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle 2 Circuit	25
43645-0300	USA	3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle 3 Circuit	25
43645-0400	USA	3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle 4 Circuit	15
43645-0500	USA	3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle 5 Circuit	10
43645-0600	USA	3.0mm (.118") Pitch Micro-Fit 3.0™ Receptacle 6 Circuit	5
43640-0201	Singapore	3.0mm (.118") Pitch Micro-Fit 3.0™ Plug 2 Circuit	25
43640-0301	Singapore	3.0mm (.118") Pitch Micro-Fit 3.0™ Plug 3 Circuit	25
43640-0401	Singapore	3.0mm (.118") Pitch Micro-Fit 3.0™ Plug 4 Circuit	15
43640-0501	Singapore	3.0mm (.118") Pitch Micro-Fit 3.0™ Plug 5 Circuit	10
43640-0601	Singapore	3.0mm (.118") Pitch Micro-Fit 3.0™ Plug 6 Circuit	5

**Recommended Molex Tool(s) for Part No. 76650-0159\***

Molex Part No.	Country of Origin	Description
63819-0000 *	Sweden	Hand Crimp Tool
11-03-0043 *	USA	Extraction Tool

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

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