1801 Morgan Street
Rockford, Illinois 61102
800-435-2931
www.molexkits.com

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the connector kit specialist

Datasheet for 76650-0159

General Information

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

Specifications

Design Configuration:	Wire-to-Wire
Pitch:	3.0mm (.118")
Connector Type:	Receptacles and Plugs
Circuit Sizes:	2, 3, 4, 5 and 6
Current Rating:	5 Amps
Voltage:	250 Volts
Wire size:	(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

- Fully isolated contacts
- Fully polarized to mate, prevents accidental mismating
- 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 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