



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

Datasheet for 76650-0159

Features and Benefits	Applications
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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