



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Datasheet for 76650-0015

### General Information

<b>Part Number:</b>	76650-0015
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini-Fit Jr. Power Connector Kit
<b>Description:</b>	Vertical Header and Receptacle
<b>Product Family:</b>	Mini-Fit Jr.™
<b>Certificates:</b>	(Molex parts within this kit) - EU and China RoHS, UL, CSA and TUV
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	4.20mm (.165")
<b>Connector Type:</b>	Receptacle and Header

#### Mounting

<b>Orientation:</b>	Vertical
<b>Circuit Sizes:</b>	2, 3, 4, 6, 8, 10, 12, 14, 16, 18 and 20
<b>Current Rating:</b>	(3 - 9) Amps dependent on AWG and circuit size
<b>Voltage:</b>	600 Volts
<b>Wire size:</b>	24-18 AWG

### Product Highlights

The Mini-Fit Jr. Series is designed for high current/high density applications. The Mini-Fit Jr. is appropriate for both power and signal applications as it can carry currents of up to 8 amps per circuit. The Mini-Fit product family accepts the same terminals and application tooling, further reducing your design and qualification effort.

#### Features and Benefits

- Fully isolated terminals
- Positive housing locks
- Four point of contact for reliability
- Low engagement force terminals

#### Applications

- Security and Alarms
- Vending and Gaming Machines
- White Goods
- Production Equipment
- Broadcast Equipment
- Telecom Infrastructure

**Datasheet for 76650-0015**

**Bill of Materials for Part No. 76650-0015**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
39-00-0039	USA	Crimp Type Female Socket Terminals, 24-18 AWG	100
39-01-2020	USA	4.2mm (.165") Pitch 2 Circuit Free Hanging Receptacle	5
39-01-2040	USA	4.2mm (.165") Pitch 4 Circuit Free Hanging Receptacle	5
39-01-2060	USA	4.2mm (.165") Pitch 6 Circuit Free Hanging Receptacle	5
39-01-2080	USA	4.2mm (.165") Pitch 8 Circuit Free Hanging Receptacle	5
39-01-2100	USA	4.2mm (.165") Pitch 10 Circuit Free Hanging Receptacle	5
39-01-2120	USA	4.2mm (.165") Pitch 12 Circuit Free Hanging Receptacle	4
39-01-2140	USA	4.2mm (.165") Pitch 14 Circuit Free Hanging Receptacle	3
39-01-2160	China	4.2mm (.165") Pitch 16 Circuit Free Hanging Receptacle	3
39-01-2180	USA	4.2mm (.165") Pitch 18 Circuit Free Hanging Receptacle	3
39-01-2200	USA	4.2mm (.165") Pitch 20 Circuit Free Hanging Receptacle	3
39-28-1023	Mexico	4.2mm (.165") Pitch2 Circuit Dual Row Vertical Header	5
39-28-1043	Mexico	4.2mm (.165") Pitch 4 Circuit Dual Row Vertical Header	5
39-28-1063	Mexico	4.2mm (.165") Pitch 6 Circuit Dual Row Vertical Header	5
39-28-1083	Mexico	4.2mm (.165") Pitch 8 Circuit Dual Row Vertical Header	5
39-28-1103	Mexico	4.2mm (.165") Pitch 10 Circuit Dual Row Vertical Header	5
39-28-1123	Mexico	4.2mm (.165") Pitch 12 Circuit Dual Row Vertical Header	4
39-28-1143	Mexico	4.2mm (.165") Pitch 14 Circuit Dual Row Vertical Header	3
39-28-1163	Mexico	4.2mm (.165") Pitch 16 Circuit Dual Row Vertical Header	3
39-28-1183	Mexico	4.2mm (.165") Pitch 18 Circuit Dual Row Vertical Header	3
39-28-1203	Mexico	4.2mm (.165") Pitch 20 Circuit Dual Row Vertical Header	3

**Recommended Molex Tool(s) for Part No. 76650-0015\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
63819-0900 *	Sweden	Hand Crimp Tool
11-03-0044 *	Sweden	Extraction Tool

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