



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 76650-0017

General Information

Part Number:	76650-0017
Manufacturer:	Molex / Waldom
Title:	Mini-Fit Jr. Power Connector Kit
Description:	Free Hanging Plug and Receptacle, 3-9 A 250V
Product Family:	Mini-Fit Jr.™
Certificates:	(Molex parts within this kit) - EU and China RoHS, UL, CSA and TUV
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Wire-to-Wire
Pitch:	4.20mm (.165")
Connector Type:	Plug and Receptacle

Mounting

Orientation:	Free Hanging
Circuit Sizes:	2, 3, 4, 6, 8, 10, 12, 14, 16, 18 and 20
Current Rating:	(3 - 9) Amps dependent on AWG and circuit size
Voltage:	600 Volts
Wire size:	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 9 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 76650-0017

Bill of Materials for Part No. 76650-0017

Molex Part No.	Country of Origin	Description	Quantity in Kit
39-00-0039	USA	Crimp Type Female Socket Terminals, 24-18 AWG	100
39-00-0041	USA	Crimp Type Male Pin 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
39-01-3023	USA	4.2mm (.165") Pitch 2 Circuit Free-hanging Plug	5
39-01-3043	USA	4.2mm (.165") Pitch 4 Circuit Free-hanging Plug	5
39-01-3063	USA	4.2mm (.165") Pitch 6 Circuit Free-hanging Plug	5
39-01-3083	USA	4.2mm (.165") Pitch 8 Circuit Free-hanging Plug	5
39-01-3103	USA	4.2mm (.165") Pitch 10 Circuit Free-hanging Plug	5
39-01-3123	USA	4.2mm (.165") Pitch 12 Circuit Free-hanging Plug	4
39-01-3143	USA	4.2mm (.165") Pitch 14 Circuit Free-hanging Plug	3
39-01-3163	USA	4.2mm (.165") Pitch 16 Circuit Free-hanging Plug	3
39-01-2181	USA	4.2mm (.165") Pitch 18 Circuit Panel Mount Plug	3
39-01-2201	USA	4.2mm (.165") Pitch 20 Circuit Panel Mount Plug	3

Recommended Molex Tool(s) for Part No. 76650-0017*

Molex Part No.	Country of Origin	Description
63819-0900 *	Sweden	Hand Crimp Tool
11-03-0044 *	Sweden	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