



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 76650-0013

General Information

Part Number:	76650-0013
Manufacturer:	Molex / Waldom
Title:	Mini-Fit Jr. Deluxe Power Connector Kit
Description:	Vertical and Right Angle Header Plug and Receptacle
Product Family:	Mini-Fit Jr.™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL, CSA, TUV
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	(Wire-to-Board) and (Wire-to-Wire)
Pitch:	4.20mm (.165")
Connector Type:	Receptacles, Plugs and Headers
Mounting	
Orientation:	Vertical and Right Angle
Circuit Sizes:	2, 4, 6, 8 and 10
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. is appropriate for both power and signal applications as it can carry currents of up to 9.0A per circuit and has a 10m ohm contact resistance. The Mini-Fit Jr. Series is designed for high current/high density applications which require the design flexibility of wire-to-wire and wire-to-board configurations in the interconnection system.

Features and Benefits

- Positive housing lock for secure mating retention
- Broadest possible configurations and options
- Thumb latch for easy unmating
- Low profile design
- Fully isolated terminals to protect contacts from damage
- Four gas-tight points of contact on Tin-plated contacts

Applications

- Appliances
- Automotive
- Home Applications
- Computer and Gaming
- Industrial and Business Equipment
- Telecommunications and Medical Equipment

Datasheet for 76650-0013

Bill of Materials for Part No. 76650-0013

Molex Part No.	Country of Origin	Description	Quantity in Kit
39-00-0039-C	USA	.062" Dia. Crimp Type Female Socket Terminals, 24-18 AWG	100
39-00-0041-C	USA	.062" Dia. Crimp Type Male Pin Terminals, 24-18 AWG	100
39-01-2020	USA	2 Circuit Panel Mount Receptacle, 4.20mm/.165" Pitch	15
39-01-2040	USA	4 Circuit Panel Mount Receptacle, 4.20mm/.165" Pitch	15
39-01-2060	USA	6 Circuit Panel Mount Receptacle, 4.20mm/.165" Pitch	15
39-01-2080	USA	8 Circuit Panel Mount Receptacle, 4.20mm/.165" Pitch	15
39-01-2100	USA	10 Circuit Panel Mount Receptacle, 4.20mm/.165" Pitch	15
39-01-2021	USA	2 Circuit Panel Mount Plugs, 4.20mm/.165" Pitch	5
39-01-2041	USA	4 Circuit Panel Mount Plugs, 4.20mm/.165" Pitch	5
39-01-2061	USA	6 Circuit Panel Mount Plugs, 4.20mm/.165" Pitch	5
39-01-2081	USA	8 Circuit Panel Mount Plugs, 4.20mm/.165" Pitch	5
39-01-2101	USA	10 Circuit Panel Mount Plugs, 4.20mm/.165" Pitch	5
39-28-1023	USA	2 Circuit Dual Row Vertical Header without Pegs, 4.20mm/.165" Pitch	5
39-28-1043	USA	4 Circuit Dual Row Vertical Header without Pegs, 4.20mm/.165" Pitch	5
39-28-1063	USA	6 Circuit Dual Row Vertical Header without Pegs, 4.20mm/.165" Pitch	5
39-28-1083	USA	8 Circuit Dual Row Vertical Header without Pegs, 4.20mm/.165" Pitch	5
39-28-1103	USA	10 Circuit Dual Row Vertical Header without Pegs, 4.20mm/.165" Pitch	5
39-29-1028	USA	2 Circuit Dual Row Right Angle Header with Flanges, 4.20mm/.165" Pitch	5
39-29-1048	USA	4 Circuit Dual Row Right Angle Header with Flanges, 4.20mm/.165" Pitch	5
39-29-1068	USA	6 Circuit Dual Row Right Angle Header with Flanges, 4.20mm/.165" Pitch	5
39-29-1088	USA	8 Circuit Dual Row Right Angle Header with Flanges, 4.20mm/.165" Pitch	5
39-29-1108	USA	10 Circuit Dual Row Right Angle Header with Flanges, 4.20mm/.165" Pitch	5
11-03-0044	USA	Extraction Tool for Mini-Fit Jr.™	1

Recommended Molex Tool(s) for Part No. 76650-0013

Molex Part No.	Country of Origin	Description
63819-0900 *	Sweden	Hand Crimp Tool for Male and Female Crimp Terminals, 16-24 AWG

For additional Molex / Waldom Design and Solution Kits please go to www.molexkits.com

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

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