

## Datasheet for 76650-0013

### General Information

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

### Specifications

#### Design

<b>Configuration:</b>	(Wire-to-Board) and (Wire-to-Wire)
<b>Pitch:</b>	4.20mm (.165")
<b>Connector Type:</b>	Receptacles, Plugs and Headers
<b>Mounting</b>	
<b>Orientation:</b>	Vertical and Right Angle
<b>Circuit Sizes:</b>	2, 4, 6, 8 and 10
<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. 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

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**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](http://www.molexkits.com)**

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



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

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