

## Datasheet for 76650-0016

### General Information

<b>Part Number:</b>	76650-0016
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini-Fit Jr. Power Connector Kit
<b>Description:</b>	Right Angle 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>	Right Angle
<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

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### Bill of Materials for Part No. 76650-0016

Molex Part No.	Country of Origin	Description	Quantity in Kit
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
39-29-1028	Mexico	4.2mm (.165") Pitch 2 Circuit Dual Row Right Angle Header	5
39-29-1048	Mexico	4.2mm (.165") Pitch 4 Circuit Dual Row Right Angle Header	5
39-29-1068	Mexico	4.2mm (.165") Pitch 6 Circuit Dual Row Right Angle Header	5
39-29-1088	Mexico	4.2mm (.165") Pitch 8 Circuit Dual Row Right Angle Header	5
39-29-1108	Mexico	4.2mm (.165") Pitch 10 Circuit Dual Row Right Angle Header	5
39-29-1128	Mexico	4.2mm (.165") Pitch 12 Circuit Dual Row Right Angle Header	4
39-29-1148	Mexico	4.2mm (.165") Pitch 14 Circuit Dual Row Right Angle Header	3
39-29-1168	Mexico	4.2mm (.165") Pitch 16 Circuit Dual Row Right Angle Header	3
39-29-1188	Mexico	4.2mm (.165") Pitch 18 Circuit Dual Row Right Angle Header	3
39-29-1208	Mexico	4.2mm (.165") Pitch 20 Circuit Dual Row Right Angle Header	3

### Recommended Molex Tool(s) for Part No. 76650-0016\*

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

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