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



# **Datasheet for 76650-0015**

#### **General Information**

**Part Number:** 76650-0015

Manufacturer: Molex / Waldom

Title: Mini-Fit Jr. Power Connector Kit

**Description:** Vertical Header and Receptacle

**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-Board **Pitch:** 4.20mm (.165")

Connector Type: Receptacle and Header

Mounting

Orientation: Vertical

**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 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 Quantity in Country of Origin Molex Part No. Description 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 5 39-01-2040 USA 4.2mm (.165") Pitch 4 Circuit Free Hanging Receptacle USA 5 39-01-2060 4.2mm (.165") Pitch 6 Circuit Free Hanging Receptacle 39-01-2080 USA 4.2mm (.165") Pitch 8 Circuit Free Hanging Receptacle 5 39-01-2100 USA 5 4.2mm (.165") Pitch 10 Circuit Free Hanging Receptacle USA 4 39-01-2120 4.2mm (.165") Pitch 12 Circuit Free Hanging Receptacle 39-01-2140 USA 4.2mm (.165") Pitch 14 Circuit Free Hanging Receptacle 3 3 39-01-2160 China 4.2mm (.165") Pitch 16 Circuit Free Hanging Receptacle 39-01-2180 USA 4.2mm (.165") Pitch 18 Circuit Free Hanging Receptacle 3 USA 39-01-2200 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 5 4.2mm (.165") Pitch 4 Circuit Dual Row Vertical Header 39-28-1063 Mexico 4.2mm (.165") Pitch 6 Circuit Dual Row Vertical Header 5 5 39-28-1083 Mexico 4.2mm (.165") Pitch 8 Circuit Dual Row Vertical Header 39-28-1103 Mexico 4.2mm (.165") Pitch 10 Circuit Dual Row Vertical Header 5 4 39-28-1123 Mexico 4.2mm (.165") Pitch 12 Circuit Dual Row Vertical Header 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\*

	Country	
Molex Part No.	of Origin	Description

63819-0900 *	Sweden	Hand Crimp Tool
11-03-0044 *	Sweden	Extraction Tool

<sup>\*</sup>Tool(s) not included in kit. Tool(s) ordered separately.

Campton