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 Molex Part No. of Origin 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 **USA** 5 39-01-2040 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** 4.2mm (.165") Pitch 10 Circuit Free Hanging Receptacle 5 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 China 3 39-01-2160 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 5 39-28-1023 Mexico 4.2mm (.165") Pitch2 Circuit Dual Row Vertical Header 39-28-1043 Mexico 4.2mm (.165") Pitch 4 Circuit Dual Row Vertical Header 5 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 39-28-1123 4.2mm (.165") Pitch 12 Circuit Dual Row Vertical Header 4 Mexico 3 39-28-1143 Mexico 4.2mm (.165") Pitch 14 Circuit Dual Row Vertical Header 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*

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.