

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

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

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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

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