

Datasheet for 76650-0016

General Information			
Part Number:	76650-0016		
Manufacturer:	Molex / Waldom		
Title:	Mini-Fit Jr. Power Connector Kit		
Description:	Right Angle 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:	Right Angle
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	Applications
 Fully isolated terminals Positive housing locks Four point of contact for reliability Low engagement force terminals 	 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.	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.

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