

Datasheet for 76650-0081

**General Information**

**Part Number:** 76650-0081  
**Manufacturer:** Molex / Waldom  
**Title:** Mini-Fit Jr. Connector Kit  
**Description:** Plug and Receptacle, 16 Circuit  
**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-Wire  
**Pitch:** 4.2mm (.165")  
**Connector Type:** Plug and Receptacle

**Mounting**

**Orientation:** Panel Mount  
**Circuit Sizes:** 16  
**Current Rating:** 6 Amps  
**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. 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. 76650-0081**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
39-00-0039	USA	Crimp Type Female Socket Terminals, 24-18 AWG	16
39-00-0041	USA	Crimp Type Male Pin Terminals, 24-18 AWG	16
39-01-2160	USA	16 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch	1
39-01-2161	USA	16 Circuit Panel Mount Plugs, 4.20mm (.165") Pitch	1

**Recommended Molex Tool(s) for Part No. 76650-0081\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
63819-0900 *	Sweden	Hand Crimp Tool
11-03-0044 *	Sweden	Extraction Tool

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