

Datasheet for 76650-0079

**General Information**

**Part Number:** 76650-0079  
**Manufacturer:** Molex / Waldom  
**Title:** Mini-Fit Jr. Connector Kit  
**Description:** Plug and Receptacle, 12 Circuit  
**Product Family:** Mini-Fit Jr.™  
**Certificates:** (Molex parts within this kit) - EU RoHS, 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:** 12  
**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	Applications
<ul style="list-style-type: none"><li>• Fully isolated terminals</li><li>• Positive housing locks</li><li>• Four point of contact for reliability</li><li>• Low engagement force terminals</li></ul>	<ul style="list-style-type: none"><li>• Security and Alarms</li><li>• Vending and Gaming Machines</li><li>• White Goods</li><li>• Production Equipment</li><li>• Broadcast Equipment</li><li>• Telecom Infrastructure</li></ul>

Datasheet for 76650-0079

**Bill of Materials for Part No. 76650-0079**

<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	12
39-00-0041	USA	Crimp Type Male Pin Terminals, 24-18 AWG	12
39-01-2120	USA	12 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch	1
39-01-2121	USA	12 Circuit Panel Mount Plugs, 4.20mm (.165") Pitch	1

**Recommended Molex Tool(s) for Part No. 76650-0079\***

<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

\*Tools not included in kit. Tools ordered separately.