

Datasheet for 76650-0084

**General Information**

**Part Number:** 76650-0084  
**Manufacturer:** Molex / Waldom  
**Title:** Mini-Fit Jr. Connector Kit  
**Description:** Vertical Header and Receptacle, 6 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-Board  
**Pitch:** 4.2mm (.165")  
**Connector Type:** Receptacles and Vertical Headers

**Mounting Orientation:** Vertical  
**Circuit Sizes:** 6  
**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>

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**Bill of Materials for Part No. 76650-0084**

<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	6
39-01-2060	USA	6 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch	1
39-28-1063	Mexico	6 Circuit Dual Row Vertical Header without Pegs	1

**Recommended Molex Tool(s) for Part No. 76650-0084\***

<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.