



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## Datasheet for 76650-0087

### General Information

<b>Part Number:</b>	76650-0087
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini-Fit Jr. Connector Kit
<b>Description:</b>	Vertical Header and Receptacle, 12 Circuit
<b>Product Family:</b>	Mini-Fit Jr.™
<b>Certificates:</b>	(Molex parts within this kit) - EU and China RoHS, UL, CSA and TUV
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

<b>Design</b>	
<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	4.2mm (.165")
<b>Connector Type:</b>	Receptacles and Vertical Headers
<b>Mounting</b>	
<b>Orientation:</b>	Vertical
<b>Circuit Sizes:</b>	12
<b>Current Rating:</b>	6 Amps
<b>Voltage:</b>	600 Volts
<b>Wire size:</b>	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

### Datasheet for 76650-0087

#### Bill of Materials for Part No. 76650-0087

<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
39-01-2120	USA	12 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch	1
39-28-1123	Mexico	12 Circuit Dual Row Vertical Header without Pegs	1

#### Recommended Molex Tool(s) for Part No. 76650-0087\*

<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.