

## Datasheet for 76650-0082

### General Information

<b>Part Number:</b>	76650-0082
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini-Fit Jr. Connector Kit
<b>Description:</b>	Vertical Header and Receptacle, 2 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 Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	4.2mm (.165")
<b>Connector Type:</b>	Receptacles and Headers
<b>Mounting Orientation:</b>	Vertical
<b>Circuit Sizes:</b>	2
<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 76650-0082

**Bill of Materials for Part No. 76650-0082**

<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	2
39-01-2020	USA	2 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch	1
39-28-1023	Mexico	2 Circuit Dual Row Vertical Header without Pegs	1

**Recommended Molex Tool(s) for Part No. 76650-0082\***

<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.