

## Datasheet for 76650-0082

### General Information

**Part Number:** 76650-0082  
**Manufacturer:** Molex / Waldom  
**Title:** Mini-Fit Jr. Connector Kit  
**Description:** Vertical Header and Receptacle, 2 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 Headers  
**Mounting Orientation:** Vertical  
**Circuit Sizes:** 2  
**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. 76650-0082

Molex Part No.	Country of Origin	Description	Quantity in Kit
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\*

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

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