

## Datasheet for 76650-0078

### General Information

<b>Part Number:</b>	76650-0078
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini-Fit Jr. Connector Kit
<b>Description:</b>	Plug and Receptacle, 10 Circuit
<b>Product Family:</b>	Mini-Fit Jr.™
<b>Certificates:</b>	(Molex parts within this kit) - EU RoHS, China RoHS, UL, CSA and TUV
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire-to-Wire
<b>Pitch:</b>	4.2mm (.165")
<b>Connector Type:</b>	Plug and Receptacle

#### Mounting

<b>Orientation:</b>	Panel Mount
<b>Circuit Sizes:</b>	10
<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

**For additional Molex / Waldom Design and Solution kits please go to [www.molexkits.com](http://www.molexkits.com)**

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#### Bill of Materials for Part No. 76650-0078

Molex Part No.	Country of Origin	Description	Quantity in Kit
39-00-0039	USA	Crimp Type Female Socket Terminals, 24-18 AWG	10
39-00-0041	USA	Crimp Type Male Pin Terminals, 24-18 AWG	10
39-01-2100	USA	10 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch	1
39-01-2101	USA	10 Circuit Panel Mount Plugs, 4.20mm (.165") Pitch	1

#### Recommended Molex Tool(s) for Part No. 76650-0078\*

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

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