

## Datasheet for 76650-0079

### General Information

|                           |  |
|---------------------------|--|
| <b>Part Number:</b>       | 76650-0079   |
| <b>Manufacturer:</b>      | Molex / Waldom   |
| <b>Title:</b>             | Mini-Fit Jr. Connector Kit   |
| <b>Description:</b>       | Plug and Receptacle, 12 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>  | 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

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

### Datasheet for 76650-0079

#### Bill of Materials for Part No. 76650-0079

| Molex Part No. | Country of Origin | Description  | Quantity in Kit |
|----------------|-------------------|--|-----------------|
| 39-00-0039     | USA               | Crimp Type Female Socket Terminals, 24-18 AWG            | 12              |
| 39-00-0041     | USA               | Crimp Type Male Pin Terminals, 24-18 AWG                 | 12              |
| 39-01-2120     | USA               | 12 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch | 1               |
| 39-01-2121     | USA               | 12 Circuit Panel Mount Plugs, 4.20mm (.165") Pitch       | 1               |

#### Recommended Molex Tool(s) for Part No. 76650-0079\*

| 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.