

## Datasheet for 76650-0080

### General Information

|                           |  |
|---------------------------|--|
| <b>Part Number:</b>       | 76650-0080   |
| <b>Manufacturer:</b>      | Molex / Waldom   |
| <b>Title:</b>             | Mini-Fit Jr. Connector Kit   |
| <b>Description:</b>       | Plug and Receptacle, 14 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>  | 14          |
| <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

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#### Bill of Materials for Part No. 76650-0080

| <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            | 14                     |
| 39-00-0041            | USA                      | Crimp Type Male Pin Terminals, 24-18 AWG                 | 14                     |
| 39-01-2140            | USA                      | 14 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch | 1                      |
| 39-01-2141            | USA                      | 14 Circuit Panel Mount Plugs, 4.20mm (.165") Pitch       | 1                      |

#### Recommended Molex Tool(s) for Part No. 76650-0080\*

| <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    |

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