

Datasheet for 76650-0081

General Information

| | |
|---------------------------|--|
| Part Number: | 76650-0081 |
| Manufacturer: | Molex / Waldom |
| Title: | Mini-Fit Jr. Connector Kit |
| Description: | Plug and Receptacle, 16 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-Wire |
| Pitch: | 4.2mm (.165") |
| Connector Type: | Plug and Receptacle |

Mounting

| | |
|------------------------|-------------|
| Orientation: | Panel Mount |
| Circuit Sizes: | 16 |
| 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

[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. 76650-0081

| Molex Part No. | Country of Origin | Description | Quantity in Kit |
|----------------|-------------------|--|-----------------|
| 39-00-0039 | USA | Crimp Type Female Socket Terminals, 24-18 AWG | 16 |
| 39-00-0041 | USA | Crimp Type Male Pin Terminals, 24-18 AWG | 16 |
| 39-01-2160 | USA | 16 Circuit Free Hanging Receptacle, 4.20mm (.165") Pitch | 1 |
| 39-01-2161 | USA | 16 Circuit Panel Mount Plugs, 4.20mm (.165") Pitch | 1 |

Recommended Molex Tool(s) for Part No. 76650-0081*

| 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.