

Datasheet for 76650-0017

General Information

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|---------------------------|--|
| Part Number: | 76650-0017 |
| Manufacturer: | Molex / Waldom |
| Title: | Mini-Fit Jr. Power Connector Kit |
| Description: | Free Hanging Plug and Receptacle, 3-9 A 250V |
| 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: | 4.20mm (.165") |
| Connector Type: | Plug and Receptacle |

Mounting

| | |
|------------------------|--|
| Orientation: | Free Hanging |
| Circuit Sizes: | 2, 3, 4, 6, 8, 10, 12, 14, 16, 18 and 20 |
| Current Rating: | (3 - 9) Amps dependent on AWG and circuit size |
| 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 as it can carry currents of up to 9 amps per circuit. 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. 76650-0017

| Molex Part No. | Country of Origin | Description | Quantity in Kit |
|-----------------------|--------------------------|--|------------------------|
| 39-00-0039 | USA | Crimp Type Female Socket Terminals, 24-18 AWG | 100 |
| 39-00-0041 | USA | Crimp Type Male Pin Terminals, 24-18 AWG | 100 |
| 39-01-2020 | USA | 4.2mm (.165") Pitch 2 Circuit Free Hanging Receptacle | 5 |
| 39-01-2040 | USA | 4.2mm (.165") Pitch 4 Circuit Free Hanging Receptacle | 5 |
| 39-01-2060 | USA | 4.2mm (.165") Pitch 6 Circuit Free Hanging Receptacle | 5 |
| 39-01-2080 | USA | 4.2mm (.165") Pitch 8 Circuit Free Hanging Receptacle | 5 |
| 39-01-2100 | USA | 4.2mm (.165") Pitch 10 Circuit Free Hanging Receptacle | 5 |
| 39-01-2120 | USA | 4.2mm (.165") Pitch 12 Circuit Free Hanging Receptacle | 4 |
| 39-01-2140 | USA | 4.2mm (.165") Pitch 14 Circuit Free Hanging Receptacle | 3 |
| 39-01-2160 | China | 4.2mm (.165") Pitch 16 Circuit Free Hanging Receptacle | 3 |
| 39-01-2180 | USA | 4.2mm (.165") Pitch 18 Circuit Free Hanging Receptacle | 3 |
| 39-01-2200 | USA | 4.2mm (.165") Pitch 20 Circuit Free Hanging Receptacle | 3 |
| 39-01-3023 | USA | 4.2mm (.165") Pitch 2 Circuit Free-hanging Plug | 5 |
| 39-01-3043 | USA | 4.2mm (.165") Pitch 4 Circuit Free-hanging Plug | 5 |
| 39-01-3063 | USA | 4.2mm (.165") Pitch 6 Circuit Free-hanging Plug | 5 |
| 39-01-3083 | USA | 4.2mm (.165") Pitch 8 Circuit Free-hanging Plug | 5 |
| 39-01-3103 | USA | 4.2mm (.165") Pitch 10 Circuit Free-hanging Plug | 5 |
| 39-01-3123 | USA | 4.2mm (.165") Pitch 12 Circuit Free-hanging Plug | 4 |
| 39-01-3143 | USA | 4.2mm (.165") Pitch 14 Circuit Free-hanging Plug | 3 |
| 39-01-3163 | USA | 4.2mm (.165") Pitch 16 Circuit Free-hanging Plug | 3 |
| 39-01-2181 | USA | 4.2mm (.165") Pitch 18 Circuit Panel Mount Plug | 3 |
| 39-01-2201 | USA | 4.2mm (.165") Pitch 20 Circuit Panel Mount Plug | 3 |

Recommended Molex Tool(s) for Part No. 76650-0017*

| 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.

For additional Molex / Waldom Design and Solution kits please go to www.molexkits.com