

## Datasheet for 76650-0012

### General Information

<b>Part Number:</b>	76650-0012
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	.062" Power Connector Kit
<b>Description:</b>	Panel Mount Plug and Receptacle, with Extraction and Premium Crimp Tool
<b>Product Family:</b>	Standard .062"
<b>Certificates:</b>	(Molex parts within this kit) - EU and 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>	3.68mm (.145 "), Except 36 circuit Receptacle is 4.19mm (.165")
<b>Connector Type:</b>	Plug and Receptacle
<b>Circuit Sizes:</b>	1, 2, 3, 4, 5, 6, 9, 12, 15 and 36
<b>Current Rating:</b>	5 Amps - Except 36 circuit is 4 Amps
<b>Voltage:</b>	250 Volts
<b>Wire size:</b>	24-18 AWG

### Product Highlights

The Standard .062" is a durable and economical power or signal connector, capable of carrying up to 5.0 amps per circuit. Tough Nylon housings and robust terminal design create a durable, long lasting product. The Standard .062" products are reliable and offer high value in features and price. These products are an excellent choice for power or signal interconnect applications.

#### Features and Benefits

- Male and female terminals may be used in either plug or receptacle housings
- Free hanging or panel mount housing version available
- Round terminals may be oriented in any direction for fast assembly
- Passive (friction lock)
- Polarized housing assures proper mating

#### Applications

- Power Supplies
- Appliances
- Gaming Machines
- Vending Machines
- Refrigerators
- Washing Machines
- Copy Machines

**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. 76650-0012**

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
02-06-1103-C	USA	.062" Dia. Female Crimp Terminals 24-18 AWG	100
02-06-2103-C	USA	.062" Dia. Male Crimp Terminals 24-18 AWG	100
03-06-1011	USA	3.68mm (.145 ") Pitch 1-Circuit Free-hanging Pin and Socket Receptacle	15
03-06-1022	USA	3.68mm (.145 ") Pitch 2-Circuit Panel Mount Pin and Socket Receptacle	5
03-06-1038	USA	3.68mm (.145 ") Pitch 3-Circuit Panel Mount Pin and Socket Receptacle	5
03-06-1041	USA	3.68mm (.145 ") Pitch 4-Circuit Panel Mount Pin and Socket Receptacle	3
03-06-1055	USA	3.68mm (.145 ") Pitch 5-Circuit Panel Mount Pin and Socket Receptacle	4
03-06-1061	USA	3.68mm (.145 ") Pitch 6-Circuit Panel Mount Pin and Socket Receptacle	4
03-06-1091	USA	3.68mm (.145 ") Pitch 9-Circuit Panel Mount Pin and Socket Receptacle	3
03-06-1121	USA	3.68mm (.145 ") Pitch 12-Circuit Panel Mount Pin and Socket Receptacle	2
03-06-6155	USA	3.68mm (.145 ") Pitch 15-Circuit Panel Mount Pin and Socket Receptacle	1
03-06-1361	USA	4.19mm (.165") Pitch 36-Circuit Panel Mount Pin and Socket Receptacle	1
03-06-2011	USA	3.68mm (.145 ") Pitch 1-Circuit Free-hanging Pin and Socket Plug	15
03-06-2024	USA	3.68mm (.145 ") Pitch 2-Circuit Panel Mount Pin and Socket Plug	5
03-06-2033	USA	3.68mm (.145 ") Pitch 3-Circuit Panel Mount Pin and Socket Plug	5
03-06-2041	Singapore	3.68mm (.145 ") Pitch 4-Circuit Panel Mount Pin and Socket Plug	3
03-06-2054	USA	3.68mm (.145 ") Pitch 5-Circuit Panel Mount Pin and Socket Plug	4
03-06-2062	USA	3.68mm (.145 ") Pitch 6-Circuit Panel Mount Pin and Socket Plug	4
03-06-2091	USA	3.68mm (.145 ") Pitch 9-Circuit Panel Mount Pin and Socket Plug	3
03-06-2121	USA	3.68mm (.145 ") Pitch 12-Circuit Panel Mount Pin and Socket Plug	2
03-06-2151	USA	3.68mm (.145 ") Pitch 15-Circuit Panel Mount Pin and Socket Plug	1

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#### Bill of Materials for Part No. 76650-0012 Continued

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
03-06-2361	USA	4.19mm (.165") Pitch 36-Circuit Panel Mount Pin and Socket Plug	1
63811-1000	USA	Premium Crimping Tool, Crimps 24-14 AWG	1
W-HT-2023^	USA	Extraction Tool	1

^ =Tool Provided by Waldom

#### Recommended Molex Tool(s) for Part No. 76650-0012\*

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
63811-1000	Sweden	Hand Crimp Tool
11-03-0002 *	Sweden	Extraction Tool
11-02-0001 *	Sweden	Insertion Tool

\*Tool(s) not included in kit. Tool(s) ordered separately.