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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Datasheet for 76650-0160

### General Information

<b>Part Number:</b>	76650-0160
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Sabre Power Connector Kit
<b>Description:</b>	Free Hanging Plug and Receptacle
<b>Product Family:</b>	Sabre™
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire to Wire
<b>Pitch:</b>	7.5mm (.295")
<b>Connector Type:</b>	Receptacles and Plugs
<b>Circuit Sizes:</b>	2, 3, 4, 5 and 6
<b>Current Rating:</b>	12-18 Amps Max. - Dependant on circuit size and wire gauge
<b>Voltage:</b>	600 Volts
<b>Wire size:</b>	18-14 AWG

### Product Highlights

The Sabre housings provide a lower-cost option to compete with connectors offering a similar voltage and current rating. The Sabre system is a robust, high-power connector, supplying up to 18 amperes per circuit. The Sabre power-connector system provides design flexibility by accepting a wide range of wire gauges and insulation thicknesses. Lower-flammability Sabre products continue low-cost, high-power connector system legacy.

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Features and Benefits	Applications
<ul style="list-style-type: none"> <li>• Patented new integral Terminal Position Assurance (TPA) on male and female terminal virtually eliminates terminal backout</li> <li>• Polarized housing assures proper mating</li> <li>• Positive latch reduces accidental disengagement from mate</li> <li>• Terminals are fully isolated in housing</li> <li>• Blade-terminal design has four points of electrical contact, provides a more reliable electrical connection than circular style terminals</li> <li>• Current rating up to 18.0A at 600V for high-current and high-voltage applications</li> </ul>	<ul style="list-style-type: none"> <li>• Residential or commercial appliances</li> <li>• HVAC equipment</li> <li>• Computer servers</li> <li>• Networking equipment</li> <li>• Office equipment</li> <li>• Fitness equipment</li> <li>• Medical equipment</li> <li>• Retail Security Scanning Systems</li> <li>• Home Entertainment</li> <li>• Factory Automation Equipment</li> <li>• Lighting</li> <li>• Power Supplies</li> <li>• Work Stations</li> <li>• Automotive Aftermarket</li> </ul>

**Bill of Materials for Part No. 76650-0160**

Molex Part No.	Country of Origin	Description	Quantity in Kit
43178-2002-C^	USA	Male Crimp Sabre™ Terminal (18-14) AWG 4.57mm (.180") max. Ins. Dia.	100
43375-1001-C^	USA	Female Crimp Sabre™ Terminal (18-14) AWG 4.57mm (.180") max. Ins. Dia.	100
44441-2002	USA	2 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	8
44441-2003	USA	3 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	5
44441-2004	USA	4 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	4
44441-2005	USA	5 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	3
44441-2006	USA	6 Circuit 7.5mm (.295") Pitch Sabre™ Receptacle	3
43680-2002	USA	2 Circuit 7.5mm (.295") Pitch Sabre™ Plug	8
43680-2003	USA	3 Circuit 7.5mm (.295") Pitch Sabre™ Plug	5
43680-2004	USA	4 Circuit 7.5mm (.295") Pitch Sabre™ Plug	4
43680-2005	USA	5 Circuit 7.5mm (.295") Pitch Sabre™ Plug	3
43680-2006	USA	6 Circuit 7.5mm (.295") Pitch Sabre™ Plug	3

^ Accommodates single or double wire crimps

**Recommended Molex Tool(s) for Part No. 76650-0160\***

Molex Part No.	Country of Origin	Description
63811-2100 *	Germany	Hand Crimp Tool for Male Terminal
63813-0600 *	USA	Manual Activation and Deactivation Tool for Male Terminal

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



**Datasheet for 76650-0160**

63813-0800 *	USA	Manual Extraction Tool for Male Terminal
63813-2700 *	USA	Extraction Tool for Female Terminal
63811-7300 *	Germany	Hand Crimp Tool for Female Terminal

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