

## Datasheet for 76650-0196

### General Information

<b>Part Number:</b>	76650-0196
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	MarKK Power Connector Kit
<b>Description:</b>	KK Breakaway Vertical and Right Angle Header and Receptacle with Universal Crimp Tool
<b>Product Family:</b>	MarKK™
<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-Board
<b>Pitch:</b>	3.96mm (.156")
<b>Connector Type:</b>	Receptacles and Headers
<b>Circuit Sizes:</b>	2, 3, 4, 5, 6 and 10
<b>Current Rating:</b>	11 Amps
<b>Voltage:</b>	250 Volts
<b>Wire Size:</b>	20-18 AWG

### Product Highlights

Molex's MarKK (pronounced "Mark") terminal is the next-generation product in the KK terminal offering. The new spring-box design provides a high force interface, assuring good contact over broader temperatures. Designed to meet increasing customer demands, MarKK provides the next level of performance in the familiar KK terminal design. The proven KK system of "building block" connectors can be used to create different configurations, allowing each user to build a system that is precisely suited to any application.

### Features and Benefits

### Applications

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- Utilizes spring-box design, provides high-force interface assuring good contact over broader temperatures
  - Head-and tail-carried design, eliminates customer s need to monitor cutoff dimension in application tooling
  - High conductivity alloy, Increased current-carrying capability; up to 13.5A per line based on a 2-circuit system
  - Four truly independent points of contact, assures a highly reliable interface
  - Operating Temperature (-40 to 105) °C
- General market product, serves a wide variety of industries
  - Large and small computers
  - Appliances (white goods/brown goods)
  - HVAC
  - Diagnostic equipment

**Bill of Materials for Part No. 76650-0196**

Molex Part No.	Country of Origin	Description	Quantity in Kit
45570-3050	USA	Female Terminal MarKK™ (20-18) AWG, Pre-Tinned Plating	100
09-50-8023	USA	3.96mm (.156") Pitch 2 Circuit Crimp Type Receptacle	10
09-50-8033	USA	3.96mm (.156") Pitch 3 Circuit Crimp Type Receptacle	5
09-50-8043	USA	3.96mm (.156") Pitch 4 Circuit Crimp Type Receptacle	5
09-50-8053	USA	3.96mm (.156") Pitch 5 Circuit Crimp Type Receptacle	4
09-50-8063	USA	3.96mm (.156") Pitch 6 Circuit Crimp Type Receptacle	4
09-50-8103	USA	3.96mm (.156") Pitch 10 Circuit Crimp Type Receptacle	3
26-48-1021	Mexico	3.96mm (.156") Pitch KK 2 Circuit Vertical Breakaway Headers	10
26-48-1031	Mexico	3.96mm (.156") Pitch KK 3 Circuit Vertical Breakaway Headers	5
26-48-1041	Mexico	3.96mm (.156") Pitch KK 4 Circuit Vertical Breakaway Headers	5
26-48-1051	Mexico	3.96mm (.156") Pitch KK 5 Circuit Vertical Breakaway Headers	4
26-48-1061	Mexico	3.96mm (.156") Pitch KK 6 Circuit Vertical Breakaway Headers	4
26-48-1101	Mexico	3.96mm (.156") Pitch KK 10 Circuit Vertical Breakaway Headers	3
26-48-1022	Mexico	3.96mm (.156") Pitch KK 2 Circuit Right Angle Breakaway Headers	10
26-48-1032	Mexico	3.96mm (.156") Pitch KK 3 Circuit Right Angle Breakaway Headers	5

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

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26-48-1042	Mexico	3.96mm (.156") Pitch KK 4 Circuit Right Angle Breakaway Headers	5
26-48-1052	Mexico	3.96mm (.156") Pitch KK 5 Circuit Right Angle Breakaway Headers	4
26-48-1062	Mexico	3.96mm (.156") Pitch KK 6 Circuit Right Angle Breakaway Headers	4
26-48-1102	Mexico	3.96mm (.156") Pitch KK 10 Circuit Right Angle Breakaway Headers	3
W-HT-1919^	Taiwan	Standard Crimping Tool, Crimps 24-14 AWG	1

^ = Tool Provided by Waldom

**Recommended Molex Tool(s) for Part No. 76650-0196\***

Molex Part No.	Country of Origin	Description
63819-3600 *	Germany	Hand Crimp Tool
11-03-0016 *	USA	Extraction Tool

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