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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 76650-0196

General Information

Part Number:	76650-0196
Manufacturer:	Molex / Waldom
Title:	MarKK Power Connector Kit
Description:	KK Breakaway Vertical and Right Angle Header and Receptacle with Universal Crimp Tool
Product Family:	MarKK™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Wire-to-Board
Pitch:	3.96mm (.156")
Connector Type:	Receptacles and Headers
Circuit Sizes:	2, 3, 4, 5, 6 and 10
Current Rating:	11 Amps
Voltage:	250 Volts
Wire Size:	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

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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.