

Datasheet for 76650-0196

General Information

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|---------------------------|---|
| 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

Datasheet for 76650-0196

- 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.

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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