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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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## General Information

|                           |  |
|---------------------------|--|
| <b>Part Number:</b>       | 76650-0223   |
| <b>Manufacturer:</b>      | Molex / Waldom   |
| <b>Title:</b>             | MV-396 Power Connector Kit   |
| <b>Description:</b>       | Low Profile Pos Lock Interconnect Right Angle Header and Receptacle, 7A 250V |
| <b>Product Family:</b>    | MV-396™  |
| <b>Certificates:</b>      | (Molex Parts within this kit) - EU and China 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> | Receptacle and Header |

### Mounting

|                        |                           |
|------------------------|---------------------------|
| <b>Orientation:</b>    | Right Angle               |
| <b>Circuit Sizes:</b>  | 2, 3, 4, 5 and 6 circuits |
| <b>Current Rating:</b> | 7 Amps                    |
| <b>Voltage:</b>        | 250 Volts                 |
| <b>Wire size:</b>      | 20-18 AWG                 |

## Product Highlights

The MV-396 wire-to-board system is a robust interconnect solution for industry-standard 3.96mm (.156") pitch applications. The system offers a positive lock for secure mating retention, and a double cantilever terminal design with unique metal shroud that prevents contamination and provides high contact pressure. The system carries up to 7 amps and is offered in 2 to 15 circuit sizes. Both vertical and right angle headers provide low profiles and a partially shrouded design for space savings and secure latching.

### Features and Benefits

- Positive lock for secure mating retention
- Double cantilever terminal with metal shroud for protection and high contact pressure
- Polarization prevents mis-mating
- Low profile offers good space savings

### Applications

- Security and Alarms
- Comfort and Infotainment
- Vending and Gaming
- Business Machines
- Energy and Power
- Industrial Equipment

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

**Bill of Materials for Part No. 76650-0223**

| Molex Part No. | Country of Origin | Description   | Quantity in Kit |
|----------------|-------------------|---|-----------------|
| 35922-8011-C   | S. Korea          | MV-396™ Female Terminals Phosphor Bronze 18-20 AWG                  | 100             |
| 35977-0200     | S. Korea          | 3.96mm (.156") MV-396™ Wire-to-Board connector Receptacle 2 circuit | 5               |
| 35977-0300     | S. Korea          | 3.96mm (.156") MV-396™ Wire-to-Board connector Receptacle 3 circuit | 5               |
| 35977-0400     | S. Korea          | 3.96mm (.156") MV-396™ Wire-to-Board connector Receptacle 4 circuit | 5               |
| 35977-0500     | S. Korea          | 3.96mm (.156") MV-396™ Wire-to-Board connector Receptacle 5 circuit | 5               |
| 35977-0600     | S. Korea          | 3.96mm (.156") MV-396™ Wire-to-Board connector Receptacle 6 circuit | 5               |
| 35978-0220     | S. Korea          | 3.96mm (.156") Pitch MV-396™ Header, Right Angle, 2 Circuits        | 5               |
| 35978-0320     | S. Korea          | 3.96mm (.156") Pitch MV-396™ Header, Right Angle, 3 Circuits        | 5               |
| 35978-0420     | S. Korea          | 3.96mm (.156") Pitch MV-396™ Header, Right Angle, 4 Circuits        | 5               |
| 35978-0520     | S. Korea          | 3.96mm (.156") Pitch MV-396™ Header, Right Angle, 5 Circuits        | 5               |
| 35978-0620     | S. Korea          | 3.96mm (.156") Pitch MV-396™ Header, Right Angle, 6 Circuits        | 5               |

**No Recommended Molex Tool for Part No. 76650-0223**