

General Information

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

Mounting

| | |
|------------------------|---------------------------|
| Orientation: | Right Angle |
| Circuit Sizes: | 2, 3, 4, 5 and 6 circuits |
| Current Rating: | 7 Amps |
| Voltage: | 250 Volts |
| Wire size: | 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