

General Information

Part Number:	76650-0224
Manufacturer:	Molex / Waldom
Title:	MV-396 Power Connector Kit
Description:	Low Profile Pos Lock Interconnect Vertical 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:	Vertical
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

Bill of Materials for Part No. 76650-0224

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
35978-0210	S. Korea	3.96mm (.156") Pitch MV-396™ Header, Vertical, 2 Circuits	5
35978-0310	S. Korea	3.96mm (.156") Pitch MV-396™ Header, Vertical, 3 Circuits	5
35978-0410	S. Korea	3.96mm (.156") Pitch MV-396™ Header, Vertical, 4 Circuits	5
35978-0510	S. Korea	3.96mm (.156") Pitch MV-396™ Header, Vertical, 5 Circuits	5
35978-0610	S. Korea	3.96mm (.156") Pitch MV-396™ Header, Vertical, 6 Circuits	5

No Recommended Molex Tool for Part No. 76650-0224

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Components Supply Platform

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