

## General Information

<b>Part Number:</b>	76650-0141
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	MV-396 Power Deluxe Connector Kit
<b>Description:</b>	Low Profile Pos Lock Interconnect Vertical and 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>	Vertical and Right Angle
<b>Circuit Sizes:</b>	2, 3, 4, 5 and 6
<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

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### Bill of Materials for Part No. 76650-0141

Molex Part No.	Country of Origin	Description	Quantity in Kit
35922-8011-C	S. Korea	Female Terminals 18-20 AWG Phosphor Bronze	100
35977-0200	S. Korea	3.96mm (.156") Pitch MV-396™ Receptacle 2 Circuit	5
35977-0300	S. Korea	3.96mm (.156") MV-396™ Receptacle 3 circuit	5
35977-0400	S. Korea	3.96mm (.156") MV-396™ Receptacle 4 circuit	5
35977-0500	S. Korea	3.96mm (.156") MV-396™ Receptacle 5 circuit	5
35977-0600	S. Korea	3.96mm (.156") MV-396™ Receptacle 6 circuit	5
35978-0220	S. Korea	3.96mm (.156") Pitch Header, Right Angle, 2 Circuits	5
35978-0320	S. Korea	3.96mm (.156") Pitch Header, Right Angle, 3 Circuits	5
35978-0420	S. Korea	3.96mm (.156") Pitch Header, Right Angle, 4 Circuits	5
35978-0520	S. Korea	3.96mm (.156") Pitch Header, Right Angle, 5 Circuits	5
35978-0620	S. Korea	3.96mm (.156") Pitch Header, Right Angle, 6 Circuits	5
35978-0210	S. Korea	3.96mm (.156") Pitch Header, Vertical, 2 Circuits	5
35978-0310	S. Korea	3.96mm (.156") Pitch Header, Vertical, 3 Circuits	5
35978-0410	S. Korea	3.96mm (.156") Pitch Header, Vertical, 4 Circuits	5
35978-0510	S. Korea	3.96mm (.156") Pitch Header, Vertical, 5 Circuits	5
35978-0610	S. Korea	3.96mm (.156") Pitch Header, Vertical, 6 Circuits	5

### Recommended Molex Tool(s) for Part No. 76650-0141

Molex Part No.	Country of Origin	Description
63855-7000 *	USA	T2 Terminator Die (Use With Molex TM-42 press 69002-5001 and base unit 11-19-3001 for the 3BF press)
63865-7000 *	USA	FineAdjust™ Applicator (Lease)

\*Tool(s) not included in kit. Tool(s) ordered separately.

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