

General Information

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

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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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