

Datasheet for 76650-0141

General Information

Kit Part Number:	76650-0141
Connector Type:	Wire-to-Board
Solution:	Power Connectors
Molex Family:	MV-396™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	2, 3, 4, 5, 6
Current Rating:	7A
Mounting Style:	PCB Through Hole
Orientation:	Receptacles, Right Angle Headers, Vertical Headers
Pitch:	3.96mm (.156")
Tool Included:	No
Voltage Rating:	250V
Wire Gauge (AWG):	20-18

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

<http://www.molexkits.com>

Bill of Materials

Molex Part No.	Description	Quantity
35922-8011	MV-396™ Female Terminal Phosphor Bronze 18-20 AWG	100
35977-0200	3.96mm (.156") Pitch MV-396™ Wire-to-Board Connector Receptacle, 2 Circuits	5
35977-0300	3.96mm (.156") Pitch MV-396™ Wire-to-Board Connector Receptacle, 3 Circuits	5
35977-0500	3.96mm (.156") Pitch MV-396™ Wire-to-Board Connector Receptacle, 5 Circuits	5
35977-0600	3.96mm (.156") Pitch MV-396™ Wire-to-Board Connector Receptacle, 6 Circuits	5
35978-0220	3.96mm (.156") Pitch MV-396™ Header, Right Angle, 2 Circuits	5
35978-0320	3.96mm (.156") Pitch MV-396™ Header, Right Angle, 3 Circuits	5
35978-0420	3.96mm (.156") Pitch MV-396™ Header, Right Angle, 4 Circuits	5
35978-0520	3.96mm (.156") Pitch MV-396™ Header, Right Angle, 5 Circuits	5
35978-0620	3.96mm (.156") Pitch MV-396™ Header, Right Angle, 6 Circuits	5
35978-0210	3.96mm (.156") Pitch MV-396™ Header, Vertical, 2 Circuits	5
35978-0310	3.96mm (.156") Pitch MV-396™ Header, Vertical, 3 Circuits	5
35978-0410	3.96mm (.156") Pitch MV-396™ Header, Vertical, 4 Circuits	5
35978-0510	3.96mm (.156") Pitch MV-396™ Header, Vertical, 5 Circuits	5
35978-0610	3.96mm (.156") Pitch MV-396™ Header, Vertical, 6 Circuits	5

Recommended Molex Tool

Molex Part No.	Description
63855-7000 (not included in kit)	Click for more info
63865-7000 (not included in kit)	Click for more info