

Datasheet for 76650-0013

General Information

Kit Part Number:	76650-0013
Connector Type:	Wire-to-Board, Wire-to-Wire
Solution:	Power Connectors
Molex Family:	Mini-Fit Jr.™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	10, 2, 4, 6, 8
Current Rating:	3-9A
Mounting Style:	Panel Mount, PCB Through Hole
Orientation:	Plugs, Receptacles, Right Angle Headers, Vertical Headers
Pitch:	4.20mm (.165")
Tool Included:	No
Voltage Rating:	600V
Wire Gauge (AWG):	24-18

Product Highlights

The Mini-Fit Jr.™ is appropriate for both power and signal applications as it can carry currents of up to 9.0A per circuit and has a 10m ohm contact resistance. The Mini-Fit Jr.™ Series is designed for high current/high density applications which require the design flexibility of wire-to-wire and wire-to-board configurations in the interconnection system.

Features and Benefits

- Positive housing lock for secure mating retention
- Broadest possible configurations and options
- Thumb latch for easy unmating
- Low profile design
- Fully isolated terminals to protect contacts from damage
- Four gas-tight points of contact on Tinplated contacts

Applications

- Appliances
- Automotive
- Home Applications
- Computer and Gaming
- Industrial and Business Equipment
- Telecommunications and Medical Equipment

Bill of Materials

Molex Part No.	Description	Quantity
39-00-0039	Crimp Type Female Socket Terminal, 24-18 AWG	100
39-00-0041	1.57mm (.062") Diameter Crimp Type Male Pin Terminal, 24-18 AWG	100
39-01-2020	4.20mm (.165") Pitch, 2 Circuit, Free-Hanging Receptacle	15
39-01-2040	4.20mm (.165") Pitch, 4 Circuit, Free-Hanging Receptacle	15
39-01-2060	4.20mm (.165") Pitch, 6 Circuit, Free-Hanging Receptacle	15
39-01-2080	4.20mm (.165") Pitch, 8 Circuit, Free-Hanging Receptacle	15
39-01-2100	4.20mm (.165") Pitch, 10 Circuit, Free-Hanging Receptacle	15
39-01-2021	4.20mm (.165") Pitch, 2 Circuit, Panel Mount Plug	5
39-01-2041	4.20mm (.165") Pitch, 4 Circuit, Panel Mount Plug	5
39-01-2061	4.20mm (.165") Pitch, 6 Circuit, Panel-Mount Plug	5
39-01-2081	4.20mm (.165") Pitch, 8 Circuit, Panel Mount Plug	5
39-01-2101	4.20mm (.165") Pitch, 10 Circuit, Panel Mount Plug	5
39-28-1023	2 Circuit, Dual Row, Vertical Header without Pegs	5
39-28-1043	4 Circuit, Dual Row, Vertical Header without Pegs	5
39-28-1063	6 Circuit, Dual Row, Vertical Header without Pegs	5
39-28-1083	8 Circuit, Dual Row, Vertical Header without Pegs	5
39-28-1103	10 Circuit, Dual Row, Vertical Header without Pegs	5
39-29-1028	2 Circuit, Dual Row, Right Angle Header with Flanges, 4.20mm (.165") Pitch	5
39-29-1048	4 Circuit, Dual Row, Right Angle Header with Flanges, 4.20mm (.165") Pitch	5
39-29-1068	6 Circuit, Dual Row, Right Angle Header with Flanges, 4.20mm (.165") Pitch	5
39-29-1088	8 Circuit, Dual Row, Right Angle Header with Flanges, 4.20mm (.165") Pitch	5
39-29-1108	10 Circuit, Dual Row, Right Angle Header with Flanges, 4.20mm (.165") Pitch	5
11-03-0044	Extraction Tool for Mini-Fit Jr.™	1

Recommended Molex Tool

Molex Part No.	Description
63819-0900 (not included in kit)	Click for more info