

## Datasheet for 76650-0163

### General Information

<b>Kit Part Number:</b>	76650-0163
<b>Connector Type:</b>	Wire-to-Board
<b>Solution:</b>	Power Connectors
<b>Molex Family:</b>	Mini-Fit RTC™
<b>Certificates:</b>	N/A
<b>Country of Origin:</b>	Kit assembled in U.S.A

### Specifications

<b>Circuit Size:</b>	10, 12, 24, 4, 6, 8
<b>Current Rating:</b>	8-12A
<b>Mounting Style:</b>	PCB Through Hole
<b>Orientation:</b>	Receptacles, Vertical Headers
<b>Pitch:</b>	4.20mm (.165")
<b>Tool Included:</b>	No
<b>Voltage Rating:</b>	600V
<b>Wire Gauge (AWG):</b>	24-18

### Product Highlights

Mini-Fit® Reflow Temperature Compatible (RTC) Headers can withstand high SMT solder-reflow temperatures to guarantee compatibility with lead-free RoHS reflow processes. Mini-Fit RTC™ headers mate with standard Mini-Fit® receptacles, and share the same design features of the Mini-Fit Jr.™ headers, ensuring compatibility and reliability. Mini-Fit® products provide a cost-effective solution for mid-range power applications that require high-density and current-carrying capability.

#### Features and Benefits

- Press-fit PCB pegs compatible with existing Mini-Fit receptacles and provide polarization during placement on the PCB
- High-temperature LCP housing withstands RoHS lead-free processing up to 260Â°C peak (20 seconds)
- Thumbatch for easy unmating
- Positive housing lock for secure mating
- Fully isolated terminals to protect contacts
- Four gas-tight points of contact on Tinplated contacts

#### Applications

- Desktop/tower computer
- Power supplies
- Networking: Hubs, Servers
- Industrial
- Medical
- Transportation
- Military Commercial Off-the-Shelf (COTS)
- Mid-range power applications

<http://www.molexkits.com>

**Bill of Materials**

Molex Part No.	Description	Quantity
39-00-0039	Crimp Type Female Socket Terminal, 24-18 AWG	100
46207-0004	4.20mm (.165") Pitch Mini-Fit RTC™ Vertical Header 4 Circuits	5
46207-0006	4.20mm (.165") Pitch Mini-Fit RTC™ Vertical Header 6 Circuits	4
46207-0008	4.20mm (.165") Pitch Mini-Fit RTC™ Vertical Header 8 Circuits	3
46207-0010	4.20mm (.165") Pitch Mini-Fit RTC™ Vertical Header 10 Circuits	2
46207-0012	4.20mm (.165") Pitch Mini-Fit RTC™ Vertical Header 12 Circuits	2
46207-0024	4.20mm (.165") Pitch Mini-Fit RTC™ Vertical Header 24 Circuits	1
39-01-2060	4.20mm (.165") Pitch, 6 Circuit, Free-Hanging Receptacle	4
39-01-2080	4.20mm (.165") Pitch, 8 Circuit, Free-Hanging Receptacle	3
39-01-2100	4.20mm (.165") Pitch, 10 Circuit, Free-Hanging Receptacle	2
39-01-2120	4.20mm (.165") Pitch 12 Circuit Free Hanging Receptacle	2
39-01-2240	4.20mm (.165") Pitch, Mini-Fit Jr.™ Receptacle, 24 Circuits	1
39-01-2040	4.20mm (.165") Pitch, 4 Circuit, Free-Hanging Receptacle	5

**Recommended Molex Tool**

Molex Part No.	Description
63819-0900 (not included in kit)	<a href="#">Click for more info</a>
11-03-0044 (not included in kit)	<a href="#">Click for more info</a>