

Datasheet for 76650-0002

General Information

Kit Part Number:	76650-0002
Connector Type:	Wire-to-Wire
Solution:	Power Connectors
Molex Family:	Mini-Fit Sr.™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	2, 3, 4, 6
Current Rating:	23-33A
Mounting Style:	Free-Hanging
Orientation:	Plugs, Receptacles
Pitch:	10.00mm (.393")
Tool Included:	No
Voltage Rating:	600V
Wire Gauge (AWG):	12-10

Product Highlights

Need for power connectors above 20 Amps. Lower mating forces with increased reliability. More current packed into fewer lines. The system is UL, CSA and TUV approved. -40 Degrees C to +105 Degrees C

Features and Benefits

- High current
- Fully polarized, Prevents Mis-Mating
- Positive Locks, Secure Mating, guards against accidental disengagement of housings
- Low engagement force for greater ease in mating
- Includes mandatory Terminal Position Assurance (TPA) clip
- Fully-Isolated Contacts, Withstand Reflow Process
- Four points of electrical contact provide high reliability
- Design Flexibility

Applications

- High-end Computers
- Power Supplies, Generators, Battery Chargers
- Factory Automation Machines
- Cellular Base Station
- Air Conditioners
- Telecom Backplane
- Stadium Lighting and Scoreboards
- Medical Equipment
- Power Station
- Deep Well Pumps

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- Welders
- Construction Signs
- Other High Amperage Devices
- HVAC

Bill of Materials

Molex Part No.	Description	Quantity
42815-0011	Mini-Fit Sr.™ Female Socket Terminal, 12-10 AWG	25
42816-0212	10mm (.393") Mini-Fit Sr.™ Receptacle, 2 Circuits	3
42816-0312	10mm (.393") Mini-Fit Sr.™ Receptacle, 3 Circuits	3
42816-0412	10mm (.393") Mini-Fit Sr.™ Receptacle, 4 Circuits	2
42816-0612	10mm (.393") Mini-Fit Sr.™ Receptacle, 6 Circuits	2
42817-0011	Mini-Fit Sr.™ Male Pin Terminal, 12-10 AWG	25
42818-0212	10mm (.393") Mini-Fit Sr.™ Plug, 2 Circuits	3
42818-0312	10mm (.393") Mini-Fit Sr.™ Plug, 3 Circuits	2
42818-0412	10mm (.393") Mini-Fit Sr.™ Plug, 4 Circuits	2
42818-0612	10mm (.393") Mini-Fit Sr.™ Plug, 6 Circuits	2

Recommended Molex Tool

Molex Part No.	Description
63811-1600 (not included)	Click for more info
63813-0400 (not included)	Click for more info