

Datasheet for 76650-0172

General Information

Kit Part Number:	76650-0172
Connector Type:	Board-to-Board, Wire-to-Board
Solution:	Power Connectors
Molex Family:	EXTreme ZPower™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	10 Tail, 6 Tail
Current Rating:	30A, 50A
Mounting Style:	PCB Through Hole
Orientation:	Interconnect System
Pitch:	3.18mm (.125")
Tool Included:	No
Voltage Rating:	600V
Wire Gauge (AWG):	12-10, 8

Product Highlights

The EXTreme ZPower™ connectors are power mezzanine connectors with 50 Amp (10 Tail) and 30 Amp (6 Tail) versions. These connectors are single-piece devices which connect two printed circuit boards. The connectors are press-fit to a lower board and subsequently bolted to a second, upper board.

Features and Benefits

- Patented internal terminal design allows a rigid, secure interface while helping to isolate pressfit pins from the load of shock and vibration
- Captured internal nut for ease of assembly
- High-normal force, high-reliability interface
- One piece ridged Board-To-Board high current interconnect
- Hertzian contact areas create a reliable (gas-tight) mating surface
- Screw contact interface can accept standard wire-crimp, ring-lug terminals for wire-to-board applications

Applications

- Industrial Applications
- 30 Amp Applications
- 50 Amp Applications

<http://www.molexkits.com>

Bill of Materials

Molex Part No.	Description	Quantity
19073-0216	# 5-6 Ring Tongue Terminal Nylon 12-10 AWG	10
19193-0128	# 5-6 Ring Tongue Terminal Uninsulated 12-10 AWG	10
76001-0106	6 Tail, 30Amp, Tin plated, EXTreme Zpower™ PCB Connector	2
76001-0110	10 Tail, 50Amp, Tin plated, EXTreme Zpower™ PCB Connector	2
19193-0198	# 6 Ring Tongue Terminal Uninsulated 8 AWG	10

Recommended Molex Tool

Molex Part No.	Description
62100-5300 (not included in kit)	Click for more info
64001-0100 (not included in kit)	Click for more info