

Datasheet for 76650-0167

General Information

Kit Part Number:	76650-0167
Connector Type:	Wire-to-Board
Solution:	Off the Board Connectors
Molex Family:	Mini-SPOX™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	2, 3, 4, 5, 6
Current Rating:	1.5-3A
Mounting Style:	PCB Through Hole
Orientation:	Receptacles, Right Angle Headers, Vertical Headers
Pitch:	2.50mm (.098")
Tool Included:	No
Voltage Rating:	250V
Wire Gauge (AWG):	28-22

Product Highlights

The name SPOX™ comes from the shape of the terminal, which is like a "spring box". This design style provides multiple points of contact, protects the mating interface area, and prevents fish-hooking from wires during handling.

Features and Benefits

- Very low profile
- Anti-fishhooking design
- Box style terminal, multiple contact points and protects pin contact area from contamination during handling
- 0.70mm (.027") round pins
- Polarization keys, ensure correct mating
- Friction locks, secure mating retention
- Molded-in pull tabs

Applications

- Office Automation: Printers, Fax machines, Scanners, Copiers
- Telecom: Servers, Hubs, Switches, Routers
- Measuring / Analyzing Equipment, Security systems / alarms, Medical monitoring, Lab equipment
- Entertainment: Set-top boxes, Car stereos, Video / DVD products
- Other applications: Vending machines, Gaming machines, Fitness equipment

Bill of Materials

Molex Part No.	Description	Quantity
08-70-1040	Mini-SPOX™ Female Terminal, 28-22 AWG	100
50-37-5023	2 Circuit 2.50mm (.098") Mini-SPOX™ Housing	10
50-37-5033	3 Circuit 2.50mm (.098") Mini-SPOX™ Housing	8
50-37-5043	4 Circuit 2.50mm (.098") Mini-SPOX™ Housing	8
50-37-5053	5 Circuit 2.50mm (.098") Mini-SPOX™ Housing	6
50-37-5063	6 Circuit 2.50mm (.098") Mini-SPOX™ Housing	6
22-03-5025	2 Circuit 2.5mm Mini-SPOX™ Vertical Header	10
22-03-5035	3 Circuit 2.5mm Mini-SPOX™ Vertical Header	8
22-03-5045	4 Circuit 2.5mm Mini-SPOX™ Vertical Header	8
22-03-5055	5 Circuit 2.5mm Mini-SPOX™ Vertical Header	6
22-03-5065	6 Circuit 2.5mm Mini-SPOX™ Vertical Header	6
22-05-7025	2 Circuit 2.50mm (.098") Mini-SPOX™ Right Angle Header	10
22-05-7035	3 Circuit 2.50mm (.098") Mini-SPOX™ Right Angle Header	8
22-05-7045	4 Circuit 2.50mm (.098") Mini-SPOX™ Right Angle Header	8
22-05-7055	5 Circuit 2.50mm (.098") Mini-SPOX™ Right Angle Header	6
22-05-7065	6 Circuit 2.50mm (.098") Mini-SPOX™ Right Angle Header	6

Recommended Molex Tool

Molex Part No.	Description
63811-5200 (not included in kit)	Click for more info
63813-1400 (not included in kit)	Click for more info