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Datasheet for 76650-0003

General Information	
Kit Part Number:	76650-0003
Connector Type:	Wire-to-Board
Solution:	Off the Board Connectors
Molex Family:	Pico-SPOX™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications	
Circuit Size:	10, 3, 4, 6, 8
Current Rating:	1.5-3A
Mounting Style:	SMT (Surface Mount Technology)
Orientation:	Receptacles, Right Angle Headers, Right Angle Receptacle, Vertical (and Capped) SMT Header, Vertical Receptacles
Pitch:	1.50mm (.098")
Tool Included:	No
Voltage Rating:	30V
Wire Gauge (AWG):	30-24

Product Hightlights

Molexs Pico-SPOX™ connector system is an ideal solution for higher current wire-to-board configurations in tight packaging applications. The box style terminal makes contact with the header pin via two inward-facing dimples to ensure high reliability. Headers are available in vertical and right angle configurations and offered in tape and reel packaging for high volume pick-and-place production. Polarizing keys on both the headers and receptacles ensure proper mating. A reliable friction lock feature ensures secure mating retention. The system is rated for 3A max. using AWG #24 wires in a compact 1.50mm pitch design. All parts are lead-free

Fetures and Benefits
• Reliable two points of contact, high current capable, good electrical connection
• Box-style contact, protects contact area
• Friction lock, good mating retention
• Headers fully shrouded to protect pins
• Polarizing features, ensures proper mating
• Lead-in chamfer to ease mating
• Anti-fishhooking contact design to improve handling during harness assembly

Applications
• Medical
• Office machines
• PCs and monitors
• Automotive
• Consumer

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Bill of Materials

Molex Part No.	Description	Quantity
87421-0000	Pico-Spox™ Female Crimp Terminal Tin, 24-30 AWG	100
87437-0343	1.50mm (.098") Pitch Pico-Spox™ SMT Vertical Header, 3 Circuits	5
87437-0243	1.50mm (.059") Pitch Pico-Spox™ SMT Vertical Header, 4 Circuits	5
87437-0643	1.50mm (.059") Pitch Pico-Spox™ SMT Vertical Header, 6 Circuits	5
87437-0843	1.50mm (.098") Pitch Pico-Spox™ SMT Vertical Header, 8 Circuits	5
87437-1043	1.50mm (.098") Pitch Pico-Spox™ SMT Vertical Header, 10 Circuits	5
87438-0343	1.50mm (.098") Pitch Pico-Spox™ SMT Right Angle Header, 3 Circuits	5
87438-0443	1.50mm (.059") Pitch Pico-Spox™ SMT Right Angle Header, 4 Circuits	5
87438-0643	1.50mm (.059") Pitch Pico-Spox™ SMT Right Angle Header, 6 Circuits	5
87438-0843	1.50mm (.098") Pitch Pico-Spox™ SMT Right Angle Header, 8 Circuits	5
87438-1043	1.50mm (.098") Pitch Pico-Spox™ SMT Right Angle Header, 10 Circuits	5
87439-0300	1.50mm (.098") Pitch Pico-Spox™ Receptacle, 3 Circuits	10
87439-0400	1.50mm (.059") Pitch Pico-Spox™ Receptacle, 4 Circuits	10
87439-0600	1.50mm (.059") Pitch Pico-Spox™ Receptacle, 6 Circuits	10
87439-0800	1.50mm (.098") Pitch Pico-Spox™ Receptacle, 8 Circuits	10
87439-1000	1.50mm (.098") Pitch Pico-Spox™ Receptacle, 10 Circuits	10
87437-0373	1.50mm (.098") Pitch Pico-Spox™ SMT Vertical Header with Cap, 3 Circuits	5
87437-0473	1.50mm (.098") Pitch Pico-Spox™ SMT Vertical Header, with Cap, 4 Circuits	5
87437-0673	1.50mm (.098") Pitch Pico-Spox™ SMT Vertical Header, with Cap, 6 Circuits	5

Recommended Molex Tool

Molex Part No.	Description
63811-6400 (not included)	Click for more info