

Datasheet for 76650-0161

General Information

Kit Part Number:	76650-0161
Connector Type:	Wire-to-Board, Wire-to-Wire
Solution:	Blind-Mate Connectors
Molex Family:	SPOX BMI™
Certificates:	N/A
Country of Origin:	Kit assembled in U.S.A

Specifications

Circuit Size:	6
Current Rating:	1.5-3A
Mounting Style:	Panel Mount
Orientation:	Plugs, Vertical Receptacles
Pitch:	2.50mm (.098")
Tool Included:	No
Voltage Rating:	250V
Wire Gauge (AWG):	24-22

Product Highlights

SPOX BMI™ connectors offer self-aligning features in one of the smallest blind-mate packages available. The unique low-profile design of the SPOX™ Blind-Mate Interface (BMI) allows for a mated stack distance of only 11.00mm (0.430"). Utilizing proven SPOX™ style contacts for high reliability, the products are suitable for situations requiring highly reliable tin interfaces.

Features and Benefits

- Panel mounting feature permits up to 3.00mm (.120") misalignment, permitting blind-mating of products
- First-mate/last-break circuits provide sequential engagement of contacts
- Robust alignment features virtually eliminate contact damage
- Headers are molded in LCP high-temperature plastic, which meets lead-free processing requirements
- Post plated to eliminate bare edges
- Very low profile
- Anti-fishhooking design
- Box protects pin contact area from contamination during handling

Applications

- Telecommunications
 - Hubs
 - Servers
 - Routers
- Other Markets
 - Fan-tray assemblies
 - Low-current blind-mating applications
 - Lower-current power supply applications

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Bill of Materials

Molex Part No.	Description	Quantity
45627-0002	SPOX™ Male Terminal, 24-22 AWG	50
08-70-1040	Mini-SPOX™ Female Terminal, 28-22 AWG	100
45626-0001	2.50mm (.098") Pitch SPOX BMI™ Plug, Dual Row, Panel Mount, 6 Circuits	5
45579-0001	2.50mm (.098") Pitch SPOX BMI™ Receptacle, Panel Mount, 6 Circuits	10

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