

Datasheet for 76650-0161

General Information

Part Number:	76650-0161
Manufacturer:	Molex / Waldom
Title:	SPOX BMI Connector Kit
Description:	BMI Dual Row Panel Mount Vertical Plug and Receptacle
Product Family:	SPOX™ BMI
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design

Configuration:	Wire-to-Wire and Wire-to-Board
Pitch:	2.50mm (.098")
Connector Type:	Receptacles and Plugs
Circuit Sizes:	6
Current Rating:	(1.5 - 3) Amps - Dep. On AWG
Voltage:	250 Volts
Wire size:	24-22 AWG

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 SPOXstyle contacts for high reliability, the products are suitable for situations requiring highly reliable tin interfaces.

Features and Benefits

Applications

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- 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

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

Bill of Materials for Part No. 76650-0161

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

Recommended Molex Tool(s) for Part No. 76650-0161*

Molex Part No.	Country of Origin	Description
63811-5200 *	Germany	Hand Crimp Tool - SPOX™
63813-1400 *	USA	Manual Extraction Tool for SPOX™ 33467/33468

*Tool(s) not included in kit. Tool(s) ordered separately.

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