

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.

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| <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • 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 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.