

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

For additional Molex / Waldom Design and Solution Kits please go to www.molexkits.com

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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.