

Datasheet for 76650-0167

General Information

Part Number:	76650-0167
Manufacturer:	Molex / Waldom
Title:	Mini-SPOX Connector Kit
Description:	Vertical and Right Angle Header and Receptacle.
Product Family:	Mini-Spox™
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-Board
Pitch:	2.5mm (.098")
Connector Type:	Headers and Receptacle

Mounting

Orientation:	Vertical and Right Angle
Circuit Sizes:	2, 3, 4, 5 and 6
Current Rating:	(1.5 - 3) Amps - Dependant on Wire Gauge
Voltage:	250 Volts AC rms / DC
Wire size:	28-22 AWG

Product Highlights

The name Spox comes from the shape of the terminal, which is like a "spring box". This design style provides multiple points of contact, protects the mating interface area, and prevents fish-hooking from wires during handling.

Features and Benefits

- Very low profile
- Anti-fishhooking design
- Box style terminal, multiple contact points and protects pin contact area from contamination during handling
- 0.70mm (.027") round pins
- Polarization keys, ensure correct mating
- Friction locks, secure mating retention
- Molded-in pull tabs

Applications

- Office Automation: Printers, Fax machines, Scanners, Copiers
- Telecom: Servers, Hubs, Switches, Routers
- Measuring / Analyzing Equipment, Security systems / alarms, Medical monitoring, Lab equipment
- Entertainment: Set-top boxes, Car stereos, Video / DVD products
- Other applications: Vending machines, Gaming machines, Fitness equipment

[For additional Molex / Waldom Design and Solution Kits please go to www.molexkits.com](http://www.molexkits.com)

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Bill of Materials for Part No. 76650-0167

Molex Part No.	Country of Origin	Description	Quantity in Kit
08-70-1040-C	China	Female Socket Contacts (28-22) AWG	100
50-37-5023	China	2 CKT 2.5mm Mini-SPOX Housing	10
50-37-5033	China	3 CKT 2.5mm Mini-SPOX Housing	8
50-37-5043	China	4 CKT 2.5mm Mini-SPOX Housing	8
50-37-5053	China	5 CKT 2.5mm Mini-SPOX Housing	6
50-37-5063	China	6 CKT 2.5mm Mini-SPOX Housing	6
22-03-5025	China	2 CKT 2.5mm Mini-SPOX Housing Vertical Header	10
22-03-5035	China	3 CKT 2.5mm Mini-SPOX Housing Vertical Header	8
22-03-5045	China	4 CKT 2.5mm Mini-SPOX Housing Vertical Header	8
22-03-5055	China	5 CKT 2.5mm Mini-SPOX Housing Vertical Header	6
22-03-5065	China	6 CKT 2.5mm Mini-SPOX Housing Vertical Header	6
22-05-7025	China	2 CKT 2.5mm Mini-SPOX Housing Right Angle Header	10
22-05-7035	China	3 CKT 2.5mm Mini-SPOX Housing Right Angle Header	8
22-05-7045	China	4 CKT 2.5mm Mini-SPOX Housing Right Angle Header	8
22-05-7055	China	5 CKT 2.5mm Mini-SPOX Housing Right Angle Header	6
22-05-7065	China	6 CKT 2.5mm Mini-SPOX Housing Right Angle Header	6

Recommended Molex Tool(s) for Part No. 76650-0167*

Molex Part No.	Country of Origin	Description
63811-5200 *	Germany	Hand Crimp Tool
63813-1400 *	USA	Manual Extraction Tool
11-26-0167 *	Germany	Hand Crimp Tool JHTR5974 - JAPAN

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