

## Datasheet for 76650-0167

### General Information

<b>Part Number:</b>	76650-0167
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Mini-SPOX Connector Kit
<b>Description:</b>	Vertical and Right Angle Header and Receptacle.
<b>Product Family:</b>	Mini-Spox™
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	2.5mm (.098")
<b>Connector Type:</b>	Headers and Receptacle

#### Mounting

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

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>	<b>Quantity in Kit</b>
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\***

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
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.