



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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

Datasheet for 76650-0167

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.