1801 Morgan Street
Rockford, Illinois 61102
800-435-2931
www.molexkits.com

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Datasheet for 76650-0170

General Information

Part Number:	76650-0170
Manufacturer:	Molex / Waldom
Title:	SL Signal Connector Kit
Description:	High Vibration Signal Vertical and Right Angle Header and Receptacle.
Product Family:	SL™
Certificates:	(Molex Parts within this kit) - EU RoHS Compliant
Country of Origin:	Kit assembled in U.S.A.

Specifications

Design Configuration:	Wire-to-Board
Pitch:	2.54mm (.100")
Connector Type:	Headers and Receptacle
Mounting Orientation:	Right Angle and Vertical
Circuit Sizes:	3, 4 and 5
Current Rating:	3 Amps
Voltage:	250 Volts
Wire Size:	24-22 AWG

Product Highlights

SL (Stackable Linear) is a modular, single row, wire-to-board system, designed for high density signal applications. These are suitable for low power signal applications such as computers, medical instruments, and automotive controls.

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Features and Benefits

- PCB locks hold header in place until permanently soldered
- Locking crown secures positive latch to header
- Polarization slots guide front ribs of mating connector to prevent pin damage
- Standoffs minimize flux retention
- Anti-entanglement/overstress ribs prevent discrete wires from catching under latch during harness manufacturing and storage
- Front ribs prevent contact damage; the housing cannot be twisted off pins
- Dual beam, fully-enclosed box contact
- Dual tab strain relief
- Locking tang secures terminal in housing

Applications

- Automotive: Air bag sensors, Interior lighting, Steering controls, Cigarette lighter, Sound systems
- Telecom: Pay phones, LANs, Network equipment, Hubs and switches
- Business Machines: Copiers, Printers, Fax machines
- Measuring Analyzing Equipment
- HVAC Equipment
- Large Industrial Equipment
- Medical Instrumentation: Surgical, Dental
- Computers: Mainframes, Laptops, CD ROMs, Servers, Desktop PCs, Peripherals, Modems, Disk drives

Bill of Materials for Part No. 76650-0170

Molex Part No.	Country of Origin	Description	Quantity in Kit
16-02-0104-C	USA	SL Cgrid Term Fem Crimp 30u Gold 24-22 AWG	100
16-02-0103-C	USA	SL Cgrid Term Fem Crimp 15u Gold 24-22 AWG	100
50-57-9403	USA	2.54mm (.100") 3 Circuit SL Receptacle G Latch	5
50-57-9404	USA	2.54mm (.100") 4 Circuit SL Receptacle G Latch	5
50-57-9405	USA	2.54mm (.100") 5 Circuit SL Receptacle G Latch	5
70541-0072	USA	2.54mm (.100") 3 Circuit SL Vertical Header	5
70541-0073	USA	2.54mm (.100") 4 Circuit SL Vertical Header	5
70541-0074	USA	2.54mm (.100") 5 Circuit SL Vertical Header	5
15-04-0292	USA	Polarizing Key In PC Form B	5
70553-0002	USA	2.54mm (.100") 3 Circuit SL Right Angle Header	5
70553-0003	USA	2.54mm (.100") 4 Circuit SL Right Angle Header	5
70553-0004	USA	2.54mm (.100") 5 Circuit SL Right Angle Header	5

Not For Use With C-Grid III™ Components

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

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Recommended Molex Tool(s) for Part No. 76650-0170*

Molex Part No.	Country of Origin	Description
63811-8700 *	Sweden	Hand Crimp Tool
11-02-0022 *	USA	Insertion Tool
11-03-0036 *	USA	Manual Extraction Tool
63811-8800 *	Sweden	Hand Crimp Tool - JAPAN

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

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ООО «НИОКР СИТЕМС»
Москва, 125362, Россия, ул. Вишневая, д. 9, к. 1, Блок 104 а и 104 в

Телефон: 8 (495) 268-14-82
Email: n@nsistems.ru

ИНН: 7735154786
ОГРН: 1167746717709