

## Datasheet for 76650-0170

### General Information

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

### Specifications

<b>Design</b>	
<b>Configuration:</b>	Wire-to-Board
<b>Pitch:</b>	2.54mm (.100")
<b>Connector Type:</b>	Headers and Receptacle
<b>Mounting</b>	
<b>Orientation:</b>	Right Angle and Vertical
<b>Circuit Sizes:</b>	3, 4 and 5
<b>Current Rating:</b>	3 Amps
<b>Voltage:</b>	250 Volts
<b>Wire Size:</b>	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	Applications
<ul style="list-style-type: none"> <li>• PCB locks hold header in place until permanently soldered</li> <li>• Locking crown secures positive latch to header</li> <li>• Polarization slots guide front ribs of mating connector to prevent pin damage</li> <li>• Standoffs minimize flux retention</li> <li>• Anti-entanglement/overstress ribs prevent discrete wires from catching under latch during harness manufacturing and storage</li> <li>• Front ribs prevent contact damage; the housing cannot be twisted off pins</li> <li>• Dual beam, fully-enclosed box contact</li> <li>• Dual tab strain relief</li> <li>• Locking tang secures terminal in housing</li> </ul>	<ul style="list-style-type: none"> <li>• Automotive: Air bag sensors, Interior lighting, Steering controls, Cigarette lighter, Sound systems</li> <li>• Telecom: Pay phones, LANs, Network equipment, Hubs and switches</li> <li>• Business Machines: Copiers, Printers, Fax machines</li> <li>• Measuring Analyzing Equipment</li> <li>• HVAC Equipment</li> <li>• Large Industrial Equipment</li> <li>• Medical Instrumentation: Surgical, Dental</li> <li>• Computers: Mainframes, Laptops, CD ROMs, Servers, Desktop PCs, Peripherals, Modems, Disk drives</li> </ul>

### 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](http://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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Molex:

76650-0170