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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!



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Datasheet for 76650-0156

General Information

Part Number:	76650-0156
Manufacturer:	Molex / Waldom
Title	Sherlock Connector Kit
Description:	Secure and Space Saving Vertical and Right Angle Header, and Receptacle
Product Family:	Sherlock™
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:	2.0mm (.079")
Connector Type:	Receptacles and Headers
Mounting	
Orientation:	Right Angle and Vertical
Circuit Sizes:	2, 3, 4, 6 and 8
Current Rating:	(0.5 to 2) Amps - Dependant on Wire Gauge
Voltage:	125 Volts
Wire size:	30-24 AWG

Product Highlights

Originally developed for PC monitor applications, this new 2.0mm pitch system can also be used for other applications that require space savings and secure locking features. The Sherlock system utilizes Molex's proven 50212 terminal, along with a positive lock housing.

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Features and Benefits	Applications
<ul style="list-style-type: none"> • Positive lock latch provides secure mating retention • Housing lance ensures good terminal retention • Compact low-profile design for space savings • Polarizing end walls prevent mismating • Four-wall shroud with guide plate protects pins and facilitates mating • Positive locking ribs provide secure mating retention • Box-style contact design provides good mating reliability • Lead-free plating 	<ul style="list-style-type: none"> • Brown Goods • Security and Alarms • Industrial Instruments • Production Equipment

Bill of Materials for Part No. 76650-0156

Molex Part No.	Country of Origin	Description	Quantity in Kit
50212-8100-C	Japan	Sherlock™ Female Loose Crimp Terminal 30-24 AWG	100
35507-0200	Korea	2.0mm Pitch Sherlock™, 2 Circuit Receptacle Housing	10
35507-0300	Korea	2.0mm Pitch Sherlock™, 3 Circuit Receptacle Housing	10
35507-0400	Korea	2.0mm Pitch Sherlock™, 4 Circuit Receptacle Housing	8
35507-0600	Korea	2.0mm Pitch Sherlock™, 6 Circuit Receptacle Housing	8
35507-0800	Korea	2.0mm Pitch Sherlock™, 8 Circuit Receptacle Housing	6
35362-0250	Korea	2.0mm Pitch Sherlock™, 2 Circuit Vertical Header	5
35362-0350	Korea	2.0mm Pitch Sherlock™, 3 Circuit Vertical Header	5
35362-0450	Korea	2.0mm Pitch Sherlock™, 4 Circuit Vertical Header	4
35362-0650	Korea	2.0mm Pitch Sherlock™, 6 Circuit Vertical Header	4
35362-0850	Korea	2.0mm Pitch Sherlock™, 8 Circuit Vertical Header	3
35363-0260	Korea	2.0mm Pitch Sherlock™, 2 Circuit Right Angle Header	5
35363-0360	Korea	2.0mm Pitch Sherlock™, 3 Circuit Right Angle Header	5
35363-0460	Korea	2.0mm Pitch Sherlock™, 4 Circuit Right Angle Header	4
35363-0660	Korea	2.0mm Pitch Sherlock™, 6 Circuit Right Angle Header	4
35363-0860	Korea	2.0mm Pitch Sherlock™, 8 Circuit Right Angle Header	3

Recommended Molex Tool(s) for Part No. 76650-0156*

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

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Molex Part No.	Country of Origin	Description
63819-0500 *	Sweden	Hand Crimp Tool
57176-5000 *	Mexico	Extraction Tool - JAPAN
57105-6000 *	USA	Extraction Tool

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