

Sherlock Wire-to-Board Connector System

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Ideal for compact applications, the Sherlock 2.00mm Wire-to-Board Connector System provides electrical and mechanical reliability in a high-temperature design that meets a diverse range of industry requirements

Features and Advantages

Readily available tooling

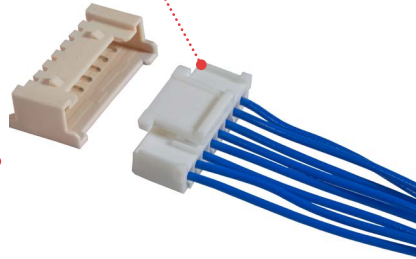
Enables easy access to the crimp applicators as they are widely available in the market



Fully shrouded headers

Provides protection from pin damage, realizing secure mating and product robustness

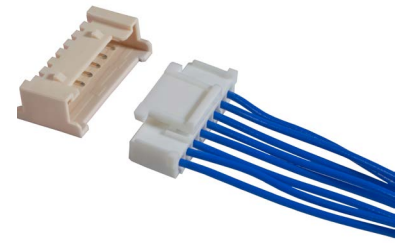
2 to 17 circuits with wide wire range in vertical and right-angle orientations
Offers design flexibility



Positive lock

Provides latch protection, secure terminal retention and an audible mating click for secure mating retention of header and harness

2.00mm-pitch connector
Offers space savings



Sherlock Wire-to-Board Connectors

Polarized ribs

Prevent mis-mating and provide mating guidance

Markets and Applications

Home Appliances

Cooking appliances
Refrigerator
Washers

Consumer

Vending machines

Automotive

Lights and switches

Medical

Medical instruments

Industrial Automation

Security system



Automobile lights and switches



White Goods



Industrial Automation



Medical Instruments

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Specifications

REFERENCE INFORMATION

Packaging:
Reel (Terminal);
Bag (Receptacle Housing, Terminal, Header Assembly)
Designed In: Millimeters
RoHS: Yes
Low Halogen: Low-halogen

ELECTRICAL

Voltage (max.): 125V
Current (max.): 2.0A (24 AWG)
Contact Resistance (max.): 20 milliohms
Dielectric Withstanding Voltage: 500V AC (1 minute)
Insulation Resistance (min.): 1000 Megohms

MECHANICAL

Crimp Terminal Insertion Force (max.): 9.8N
Crimp Terminal Retention Force (min.): 14.7N
Pin Retention Force (min.): 9.8N
Durability (max.): 30 Cycles

PHYSICAL

Housing:
Header – Polyimide
Receptacle – Polyester
Header pin – Tin, Tin-Lead
Terminal / Pin (Plating)
Receptacle – Phosphor Bronze (Pre-Tin)
Operating Temperature: -40 to +105°C

Ordering Information

Series No.	Pitch (mm)	Component	Circuits/Gauge
35362	2.00	Plug Vertical Header	2 to 17
35363	2.00	Plug Right-Angle Header	2 to 15
35507	2.00	Receptacle Housing (Vertical/Right-Angle)	2 to 17
50212	2.00	Terminal (Vertical/Right-Angle)	24 to 30 AWG

www.molex.com/link/sherlock.html

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