

Conan® Lite 1.00mm Connector

A SECURE, HIGH SPEED AND RELIABLE BOARD-TO-BOARD SOLUTION

Conan® Lite 1.00mm connectors come with a robust metal down feature that helps in establishing a reliable connection with the PCB in both parallel and perpendicular board-to-board applications. These connectors also feature an audible “click” sound ensuring mating in place. Conan® Lite vertical headers, receptacles and right angle headers are offered in 9–69 positions and 4.15–7.5mm mating heights, making it suitable for a wide range of applications.

- A comprehensive solution for various applications
- Supports reliable and secure mating
- Audible “click” to ensure perfect mating
- Supports high speed data transmission
- Supports auto reflow process



TARGET MARKETS



FEATURES

- Vertical headers, receptacles and right angle headers are offered in 9–69 positions and 4.15–7.5mm mating heights
- Protected terminals and polarization feature on housings
- Unique audible “click” sound when mating is in place
- 8Gb/s data transmission
- Pick up cap and packed in Tape & Reel
- Polarized locating pegs on housings
- Robust metal hold down

BENEFITS

- Application flexibility
- Supports reliable and secure connection by avoiding mismatching or reversed mating
- Mating in place reminder
- Supports high speed applications
- Support auto reflow process for users
- Easy and correct board orientation on PCB
- Ensure reliable connection with PCB

TECHNICAL INFORMATION

MATERIALS

- Housing: High temperature thermoplastic LCP
- Terminal Base Material: Copper alloy
- Plating: Gold flash on contact area

ELECTRICAL PERFORMANCE

- Current Rating: 1.0A continuous
- Contact Resistance: 30mΩ max.
- Withstanding Voltage: 500V AC RMS 60Hz

MECHANICAL PERFORMANCE

- Durability: 30 cycles
- Mating Force: 125g per contact max.
- Un-mating Force: 35g per contact min.

ENVIRONMENTAL

- Operating Temperature Range: -55°C to +125°C

SPECIFICATIONS

- Product Specification: GS-12-0977

PACKAGING

- Tape and Reel

TARGET MARKETS/APPLICATIONS



LED Reading Light
Electronic Control Units



Server



POS
M2M

PART NUMBERS

Description	Part Numbers
Conan® Lite receptacle, 9 position	10162581-3134109LF
Conan® Lite receptacle, 11 position	10162581-3134111LF
Conan® Lite receptacle, 15 position	10162581-3134115LF
Conan® Lite receptacle, 21 position	10162581-3134121LF
Conan® Lite receptacle, 25 position	10162581-3134125LF
Conan® Lite receptacle, 31 position	10162581-3134131LF
Conan® Lite receptacle, 41 position	10162581-3134141LF
Conan® Lite receptacle, 51 position	10162581-3134151LF
Conan® Lite receptacle, 69 position	10162581-3134169LF
Conan® Lite header, 9 position	10162582-1134109LF
Conan® Lite header, 11 position	10162582-1134111LF
Conan® Lite header, 15 position	10162582-1134115LF
Conan® Lite header, 21 position	10162582-1134121LF
Conan® Lite header, 25 position	10162582-1134125LF
Conan® Lite header, 31 position	10162582-1134131LF
Conan® Lite header, 41 position	10162582-1134141LF
Conan® Lite header, 51 position	10162582-1134151LF
Conan® Lite header, 69 position	10162582-1134169LF
Conan® Lite R/A header, 11 position	10162583-411111LF
Conan® Lite R/A header, 31 position	10162583-411131LF
Conan® Lite R/A header, 41 position	10162583-411141LF
Conan® Lite R/A header, 51 position	10162583-411151LF
Conan® Lite R/A header, 69 position	10162583-411169LF

Mouser Electronics

Authorized Distributor

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