# DensiMate™ 1.25mm Double Row

## COMPACT AND RELIABLE WIRE–TO–BOARD SOLUTION

Ideal for miniature applications, the DensiMate™ connector system provides highly reliable performance, which meets industrial automation and IT/Datacom challenges.

With wire gauge range from 30AWG–26AWG, these connectors are available in double row, vertical SMT, and right angle SMT configurations. DensiMate™ comes with an active latch to provide enhanced contact reliability.

- Saves space with 1.25mm pitch
- Current rating up to 3.6A
- Accommodates wire range from 30AWG–26AWG



**TARGET MARKETS**

## FEATURES

- 1.25mm–pitch connector with positive lock

- Wide active latch with high locking strength

- Dual contact terminal design

- Withstand up to 105°C

- Various plating options

- Hold–down feature

## BENEFITS

- Delivers secure mating retention without sacrificing compactness

- Provides secure mating retention and operates easily

- Offers secure contact and terminal retention

- Meeting Automotive / Industry and other harsh environments

- Offer lower applied cost or great performance option

- Secure the SMT headers onto the PCB

# TECHNICAL INFORMATION

## MATERIAL

- Header:

  - Housing: High temperature plastic, Black

  - Connector: Copper Alloy with Tin/0.1μm Au /0.38μm Au 0.76μm Au

  - Receptacle: Thermoplastic, Black

  - Crimping Terminal: Copper Alloy

## ELECTRICAL PERFORMANCE

- Insulation Resistance: 100MΩ min.

- Voltage Rating: 50VAC/VDC

- Contact Resistance: 20mΩ max. (Initial)

- Current Rating: 3.6A

## MECHANICAL PERFORMANCE

- Durability: 30 cycles

- Mating Force: Refer to product spec.

- Unmating Force: Refer to product spec.

- Crimp Terminal Insertion Force: 4.9N max.

- Crimp Terminal Retention Force: 9.8N min.

- Housing Lock Strength: 78.4N min. (30–36 pin)

## ENVIRONMENTAL

- Operating Temperature Range: –40°C to +105°C

## APPROVALS AND CERTIFICATIONS

- UL Approval: Pending

## SPECIFICATIONS

- Product Specification: GS–12–1950

- Packaging Specification: Refer to package drawing

## PACKAGING

- PCB Header: Tape & Reel / Tray package

- Receptacle Housing: Bag

- Crimping Terminal: Reel

## TARGET MARKETS/APPLICATIONS

IT/Datacom
Storage
Switch Router
Server

Factory Automation
Smart Sensor
PLCs
Motion Controls
Industrial Ethernet Switch
Building Automation

PV Inverter & Battery
Heat Pump
Smart Meters
Lighting

# PART NUMBERS

| Description | Part Numbers |
| --- | --- |
| DensiMate™ 1.25mm Vertical Header SMT Double Row | 10175507* |
| DensiMate™ 1.25mm Right Angle SMT Double Row | 10175503* |
| DensiMate™ 1.25mm Receptacle SMT Double Row | 10175511* |
| DensiMate™ 1.25mm Terminal | 10175510* |

Find part number details using the search box on www.amphenol-cs.com

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