

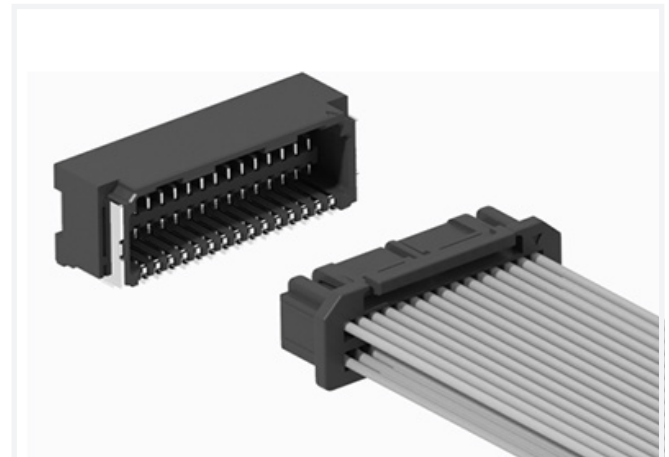
# DensiMate™ 1.25mm Double Row

## 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](http://www.amphenol-cs.com)