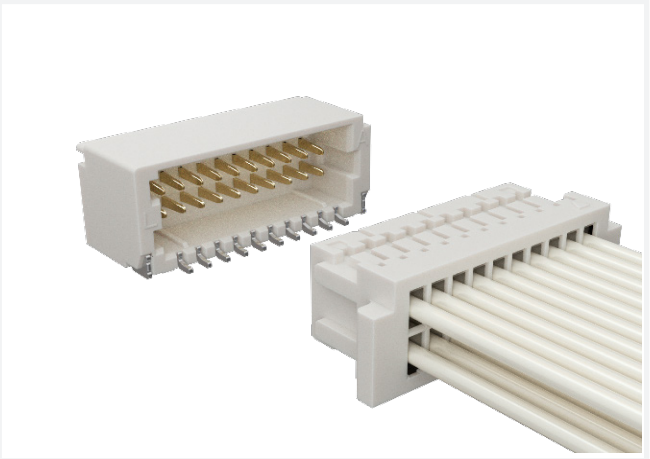
FitMate™ 1.00 mm Double Row

MODULAR AND FINE PITCH WIRE–TO–BOARD SOLUTION

Designed for the finest pitch wire–to–board applications, Amphenol's FitMate™ 1.00 mm is the ideal solution for devices that require compact and low–profile connectors.

With a wire gauge range from AWG 32–28, these connectors are available in double row vertical SMT and right angle SMT configurations. These connectors come with locking features to ensure contact reliability.

- Saves space with a 1.00 mm pitch
- Current rating up to 1 A
- Accommodates wire range from AWG 32–28



TARGET MARKETS



FEATURES	BENEFITS
1.00 mm pitch wire–to–board solution	Saves space with reduced PCB footprint
Low–profile design	Saves PCB space
UL 94 V–0 flammability rated PA9T material	High flammability rating
RoHS–compliant and lead–free	Meets health and safety requirements
Halogen–free resin material	Meets environmental requirements

TECHNICAL INFORMATION

MATERIAL

- Header:
  - Housing: PA9T, Natural UL 94 V-0
  - Connector: Copper Alloy with Tin/Gold flash plating
- Receptacle: PA66, Natural UL 94 V-0
- Crimping Terminal: Phosphor Bronze

ELECTRICAL PERFORMANCE

- Insulation Resistance: 100 MΩ min.
- Voltage Rating: 50 VAC (RMS)/DC
- Contact Resistance: 20 mΩ max. (initial)
- Current Rating: 1 A

MECHANICAL PERFORMANCE

- Durability: 30 cycles
- Mating Force: Refer to product spec.
- Unmating Force: Refer to product spec.

ENVIRONMENTAL

- Operating Temperature Range: -25 °C to +85 °C

APPROVALS AND CERTIFICATIONS

- UL Approval: Pending

SPECIFICATIONS

- Product Specification: GS-12-1834
- Packaging Specification: Refer to package drawing

PACKAGING

- PCB Header: Tape/Reel
- Receptacle Housing: Bag
- Crimping Terminal: Reel

TARGET MARKETS/APPLICATIONS

Cooking Machine
Office Equipment
Test & Measurement
Point-of-sale Terminal
Portable Terminal

Smart Home Device
Vacuum Cleaner Robot

PART NUMBERS

Description	Part Numbers
FitMate™ 1.00 mm Vertical Header, SMT, Double Row	10164212*
FitMate™ 1.00 mm Right Angle Header, SMT, Double Row	10164213*
FitMate™ 1.00 mm Receptacle Housing, Double Row	10164210*
FitMate™ 1.00 mm Crimping Terminal, Double Row	10157378*

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

Disclaimer
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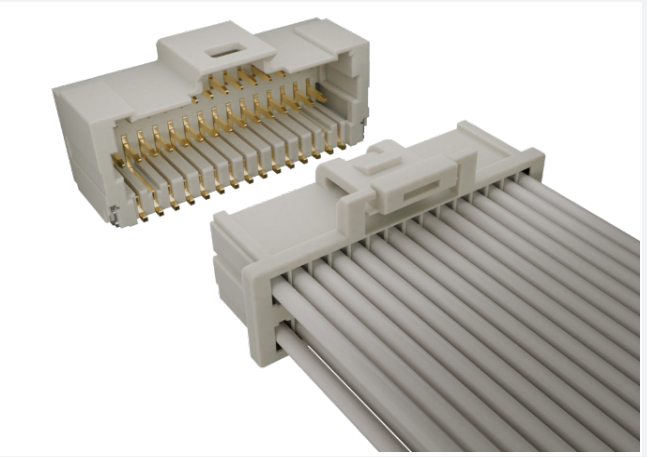
FitMate™ 1.00 mm Double Row with Active Latch

MODULAR AND FINE PITCH WIRE–TO–BOARD SOLUTION

Designed for the finest pitch wire–to–board applications, Amphenol's FitMate™ 1.00 mm is the ideal solution for devices that require compact and low–profile connectors.

With wire gauge range from AWG 32–28, these connectors are available in double–row vertical SMT and right–angle SMT configurations. These connectors come with an active latch to provide enhanced contact reliability.

- Saves space with a 1.00 mm pitch
- Current rating up to 1 A
- Accommodates wire range from AWG 32–28



TARGET MARKETS



FEATURES

- 1.00 mm pitch wire–to–board solution
- Low–profile design
- UL94V–0 flammability rated PA4T material
- RoHS compliant and lead–free
- Halogen–free resin material

BENEFITS

- Saves space with reduced PCB footprint
- Saves PCB space
- High flammability rating
- Meets health and safety requirements
- Meets environmental requirements

TECHNICAL INFORMATION

MATERIAL

- Header:
  - Housing: PA4T, Natural/Black UL 94 V-0
  - Connector: Copper Alloy with Tin/ Gold Flash /15 µin Au / 30 µin Au Plating
- Receptacle: PA66, Natural/Black UL 94 V-0
- Crimping Terminal: Phosphor Bronze

ELECTRICAL PERFORMANCE

- Insulation Resistance: 100 MΩ min.
- Voltage Rating: 50 VAC (RMS)/DC
- Contact Resistance: 20 mΩ max. (initial)
- Current Rating: 1 A

MECHANICAL PERFORMANCE

- Durability: 30 cycles
- Mating Force: Refer to product spec.
- Unmating Force: Refer to product spec.

ENVIRONMENTAL

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

APPROVALS AND CERTIFICATIONS

- UL Approval: Pending

SPECIFICATIONS

- Product Specification: GS-12-1642
- Packaging Specification: Refer to package drawing

PACKAGING

- PCB Header: Tape/Reel
- Receptacle Housing: Bag
- Crimping Terminal: Reel

TARGET MARKETS/APPLICATIONS



Cooking Machine
Office Equipment
Test & Measurement
Point-of-sale Terminal
Portable Terminal



Smart Home Device
Vacuum Cleaner Robot

PART NUMBERS

Description	Part Numbers
FitMate™ 1.00 mm Vertical Header, SMT, Double Row, with Active Latch	10157096*
FitMate™ 1.00 mm Right Angle Header, SMT, Double Row, with Active Latch	10157759*
FitMate™ 1.00 mm Receptacle Housing, Double Row, with Active Latch	10157097*
FitMate™ 1.00 mm Crimping Terminal, Double Row, with Active Latch	10157098*

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

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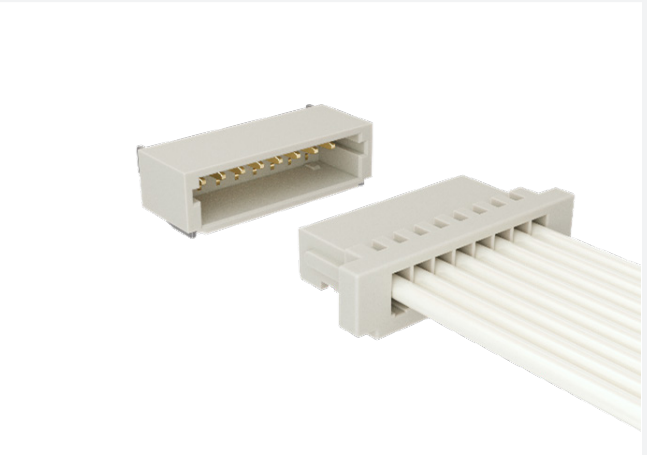
FitMate™ 1.00 mm Single Row

MODULAR AND FINE PITCH WIRE–TO–BOARD SOLUTION

Designed for the finest pitch wire–to–board applications, Amphenol's FitMate™ 1.00 mm is the ideal solution for devices that require compact and low–profile connectors.

With a wire gauge range from AWG 32–28, these connectors are available in single–row vertical SMT and right–angle SMT configurations. These connectors come with locking features to ensure contact reliability.

- Saves space with a 1.00 mm pitch
- Current rating up to 1 A
- Accommodates wire range from AWG 32–28



TARGET MARKETS



FEATURES

- 1.00 mm pitch wire–to–board solution
- Low–profile design
- UL 94 V–0 flammability rated LCP material
- RoHS compliant and lead–free
- Halogen–free resin material

BENEFITS

- Saves space with reduced PCB footprint
- Saves PCB space
- High flammability rating
- Meets health and safety requirements
- Meets environmental requirements

TECHNICAL INFORMATION

MATERIAL

- Header:
  - Housing: LCP, Natural UL 94 V-0
  - Connector: Copper Alloy with Tin/Gold flash plating
- Receptacle: PA66, Natural UL 94 V-0
- Crimping Terminal: Phosphor Bronze

ELECTRICAL PERFORMANCE

- Insulation Resistance: 100 MΩ min.
- Voltage Rating: 50 VAC (RMS)/DC
- Contact Resistance: 20 mΩ max. (initial)
- Current Rating: 1 A

MECHANICAL PERFORMANCE

- Durability: 30 cycles
- Mating Force: Refer to product spec.
- Unmating Force: Refer to product spec.

ENVIRONMENTAL

- Operating Temperature Range: -25 °C to +85 °C

APPROVALS AND CERTIFICATIONS

- UL Approval: Pending

SPECIFICATIONS

- Product Specification: GS-12-1654
- Packaging Specification: Refer to package drawing

PACKAGING

- PCB Header: Tape/Reel
- Receptacle Housing: Bag
- Crimping Terminal: Reel

TARGET MARKETS/APPLICATIONS

Cooking Machine
Office Equipment
Test & Measurement
Point-of-sale Terminal
Portable Terminal

Smart Home Device
Vacuum Cleaner Robot

PART NUMBERS

Description	Part Numbers
FitMate™ 1.00 mm Vertical Header, SMT, Single Row	10157376*
FitMate™ 1.00 mm Right Angle Header, SMT, Single Row	10157375*
FitMate™ 1.00 mm Receptacle Housing, Single Row	10157377*
FitMate™ 1.00 mm Crimping Terminal, Single Row	10157378*

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

Disclaimer
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FitMate™ 1.00 mm Single Row with Active Latch

MODULAR AND FINE PITCH WIRE–TO–BOARD SOLUTION

Designed for the finest pitch wire–to–board applications, Amphenol's FitMate™ 1.00 mm is the ideal solution for devices that require compact and low–profile connectors.

With wire gauge range from AWG 32–28, these connectors are available in single–row vertical SMT and right–angle SMT configurations. These connectors come with an active latch to provide enhanced contact reliability.

- Saves space with a 1.00 mm pitch
- Current rating up to 1 A
- Accommodates wire range from AWG 32–28



TARGET MARKETS



FEATURES

- 1.00 mm pitch wire–to–board solution
- Low–profile design
- UL 94 V–0 flammability rated PA4T material
- RoHS compliant and lead–free
- Halogen–free resin material

BENEFITS

- Saves space with reduced PCB footprint
- Saves PCB space
- High flammability rating
- Meets health and safety requirements
- Meets environmental requirements

TECHNICAL INFORMATION

MATERIAL

- Header:
  - Housing: PA4T, Natural/Black UL 94 V-0
  - Connector: Copper Alloy with Tin/ Gold Flash / 15µin Au / µin Au Plating
- Receptacle: PA66, Natural/Black UL 94 V-0
- Crimping Terminal: Phosphor Bronze

ELECTRICAL PERFORMANCE

- Insulation Resistance: 100 MΩ min.
- Voltage Rating: 100 VAC (RMS)/DC
- Contact Resistance: 20 mΩ max. (initial)
- Current Rating: 1 A

MECHANICAL PERFORMANCE

- Durability: 30 cycles
- Mating Force: Refer to product spec.
- Unmating Force: Refer to product spec.

ENVIRONMENTAL

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

APPROVALS AND CERTIFICATIONS

- UL Approval: Pending

SPECIFICATIONS

- Product Specification: GS-12-1828
- Packaging Specification: Refer to package drawing

PACKAGING

- PCB Header: Tape/Reel
- Receptacle Housing: Bag
- Crimping Terminal: Reel

TARGET MARKETS/APPLICATIONS



Cooking Machine
Office Equipment
Test & Measurement
Point-of-sale Terminal
Portable Terminal



Smart Home Device
Vacuum Cleaner Robot

PART NUMBERS

Description	Part Numbers
FitMate™ 1.00 mm Vertical Header, SMT, Single Row, with Active Latch	10164365*
FitMate™ 1.00 mm Right Angle Header, SMT, Single Row, with Active Latch	10164366*
FitMate™ 1.00 mm Receptacle Housing, Single Row, with Active Latch	10164367*
FitMate™ 1.00 mm Crimping Terminal, Single Row, with Active Latch	10157098*

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

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