

# FitMate™ 0.80 mm Wire-to-Board Connector System

## MODULAR AND FINE PITCH WIRE-TO-BOARD SOLUTION

Designed for finest pitch wire-to-board applications, Amphenol's FitMate™ 0.80mm 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 locking features to provide enhanced contact reliability.

- Saves space with a 0.80 mm pitch
- Current rating up to 0.5 A
- Accommodates wire range from AWG 32–28



### TARGET MARKETS



### FEATURES

- 0.80 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
- Save PCB space
- High flammability rating
- Meets health and safety requirements
- Meets environmental requirements

## TECHNICAL INFORMATION

### MATERIAL

- Board Connector: Copper Alloy with optional Tin and Gold plating
- Housing: LCP, Natural and Black UL 94 V-0
- Crimping Terminal: Copper Alloy with optional Tin and Gold plating

### ELECTRICAL PERFORMANCE

- Insulation Resistance: 100 MΩ min.
- Voltage Rating: 30 VAC (RMS)/DC
- Contact Resistance: 20 mΩ max. (initial)
- Current Rating: 0.5 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-12-1546
- 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™ 0.80 mm Vertical Header SMT	10156841*
FitMate™ 0.80 mm Right Angle Header SMT	10154206*
FitMate™ 0.80 mm Receptacle Housing	10159026*
FitMate™ 0.80 mm Crimping Terminal	10154208*

\*denotes base part number. Find part number details using the search box on [www.amphenol-cs.com](http://www.amphenol-cs.com)

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