FitMate® 0.80mm 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 32AWG–28AWG, 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 0.80mm pitch
- Current rating up to 0.5A
- Accommodates wire range from 32AWG–28AWG

TARGET MARKETS

FEATURES

- 0.80mm pitch wire–to–board solution
- Low profile design
- UL94V–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

▶ FitMate® 0.80mm Wire-to-Board Connector System

TECHNICAL INFORMATION

MATERIAL

- Board Connector: Copper Alloy with optional Tin and Gold plating

- Housing: LCP, Natural and Black UL94V-0

- Crimping Terminal: Copper Alloy with optional Tin and Gold plating

ELECTRICAL PERFORMANCE

- Insulation Resistance: 100MΩ min.

- Voltage Rating: 30VAC (RMS)/DC

- Contact Resistance: 20mΩ max. (Initial)

- Current Rating: 0.5A

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

Routers and IP Phones

Cooking Machine

Server

Office Equipment
Test & Measurement
Point−of−Sale Terminal
Portable Industrial Terminal

Smart Home Device
Vacuum Cleaner Robot

PART NUMBERS

Description	Part Numbers
FitMate® 0.80mm Vertical Header SMT	10156841*
FitMate® 0.80mm Right Angle Header SMT	10154206*
FitMate® 0.80mm Receptacle Housing	10159026*
FitMate® 0.80mm Crimping Terminal	10154208*

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