



**THE DATASHEET OF
10144042-06011LF**



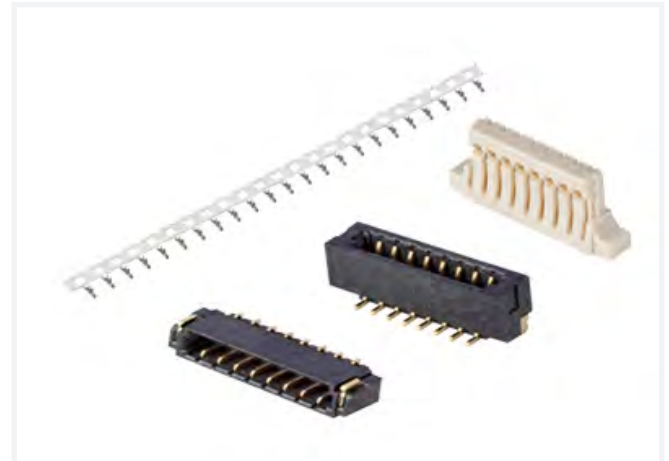
Minitek® 0.80mm Wire-to-Board Connector System

MODULAR AND FINE PITCH WIRE-TO-BOARD SOLUTION

Designed for finest pitch wire-to-board applications, Amphenol's Minitek® 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 1A
- 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

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: 30V AC (RMS)/DC
- Contact Resistance: 30mΩ max. (Initial)
- Current Rating: 1A

MECHANICAL PERFORMANCE

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

ENVIRONMENTAL

- Operating Temperature Range: -40°C to +85°C

APPROVALS AND CERTIFICATIONS

- UL approval: Pending

SPECIFICATIONS

- Product Specification: GS-12-1444
- Packaging Specification: GS-14-2630

PART NUMBERS

Description	Part Numbers
Minitek® 0.80mm Vertical Header SMT	10144042*
Minitek® 0.80mm Right Angle Header SMT	10144041*
Minitek® 0.80mm Receptacle Housing	10145492*
Minitek® 0.80mm Crimping Terminal	10145493*

*denotes base part number. Please contact Amphenol for complete part numbers.

PACKAGING

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

TARGET MARKETS/APPLICATIONS



Routers and IP Phones



Server



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



Diagnostics Systems

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