

Minitek® 1.00mm Wire-to-Board Connector System

MODULAR AND FINE PITCH WIRE-TO-BOARD SOLUTION

Minitek® 1.00mm connector system is the ideal solution for devices that require compact and low profile connectors. These connectors are designed for fine pitch wire-to-board application with wire gauge range from 32AWG-28AWG.

Minitek® 1.00mm solution includes single row vertical surface mount and right angle surface mount configurations. The shrouded headers come with locking features for its mating receptacle.

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



TARGET MARKETS



FEATURES

- 1.00mm pitch wire-to-board solution
- Low profile design
- UL94V-0 flammability rated PA9T 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: PA9T and Nylon 66, Natural, UL94V-0
- Crimping Terminal: Copper Alloy with optional Tin and Gold plating

ELECTRICAL PERFORMANCE

- Insulation Resistance: 100MΩ min.
- Voltage Rating: 50V AC/DC
- Contact Resistance: 20mΩ 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: -25°C to +85°C

APPROVALS AND CERTIFICATIONS

- UL approval: E66906

SPECIFICATIONS

- Product Specification: GS-12-1465
- Packaging Specification: GS-14-2222

PART NUMBERS

Description	Part Numbers
Minitek® 1.00mm Vertical Header SMT	10147605*
Minitek® 1.00mm Right Angle Header SMT	10147606*
Minitek® 1.00mm Receptacle Housing	10147603*
Minitek® 1.00mm Crimping Terminal	10147604*

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

PACKAGING

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

TARGET MARKETS/APPLICATIONS



TVs
Air conditioner
Mobile POS terminals
Notebook PC
Smart meters
Televisions
UAVs/Drones
DVDs, PCs, Set-Top Boxes, LCDs, LCD TVs, PDPs,
Digital TVs, Notebook Computers, and Small OA
Machines



Servo motor



Patient Monitor