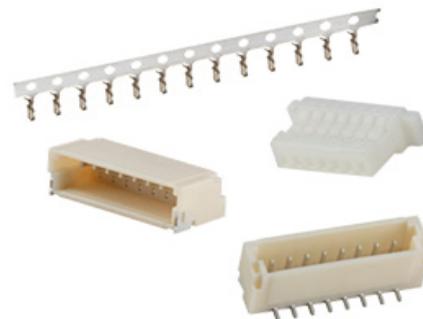# Minitek® 1.00mm Wire–to–Board Connector System

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

Minitek® 1.00mm Wire-to-Board Connector System

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: 500V AC (RMS)/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

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

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.