

# MINITEK127® STANDARD BOARD-TO-BOARD CONNECTOR

## OVERVIEW

Minittek127® standard board-to-board connector is the improved 1.27mm pitch modular system. It is the halogen-free product includes the straight, right-angle and surface mount, post option for surface mount, different plating variations and position numbers up to 100.



## FEATURES & BENEFITS

- Positions from 4 to 100 with 2 positions incremental
- The stack heights for parallel board to board are 5.8mm, 6.0mm, 6.1mm and 6.9mm
- Space saving compared to 2.54mm & 2.00mm pitch
- Reliable and economical selective plating
- 15u", 30u" GXT plating choice
- Located post option for SMT type header and receptacle
- Customized selective pin loaded
- Halogen free

## TARGET MARKETS / APPLICATIONS

- Industrial controls
- Medical
- Data
- Communications
- Measuring equipment
- Anywhere that a PCB is connected to another PCB or cable

## TECHNICAL INFORMATION

### MATERIALS

- Housing
  - High temperature resin
  - Halogen free
- Contact base material
  - Copper Alloy
- Contact area finish
  - Gold flash, 10u" Gold, 15u" GXT and 30u" GXT over nickel
- Solder area finish
  - Matte tin over nickel

### ELECTRICAL PERFORMANCE

- Contact resistance
  - 30 milliohms
- Insulation Resistance
  - 1000Megohms minimum
- Current rating
  - 1.0 amp/contact
- Voltage rating
  - 125VAC

### ENVIRONMENTAL

- Temperature range: -55°C to +125°C
- Mixed Flowing Gas Class IIA
- Humidity: 95% relative humidity for 96 hours

### MECHANICAL PERFORMANCE

- Durability
  - 100 cycles
- Mating force
  - 2.2N maximum/contact
- Un-mating force
  - 0.2N minimum/contact

### SPECIFICATIONS

- Product specification GS-12-629

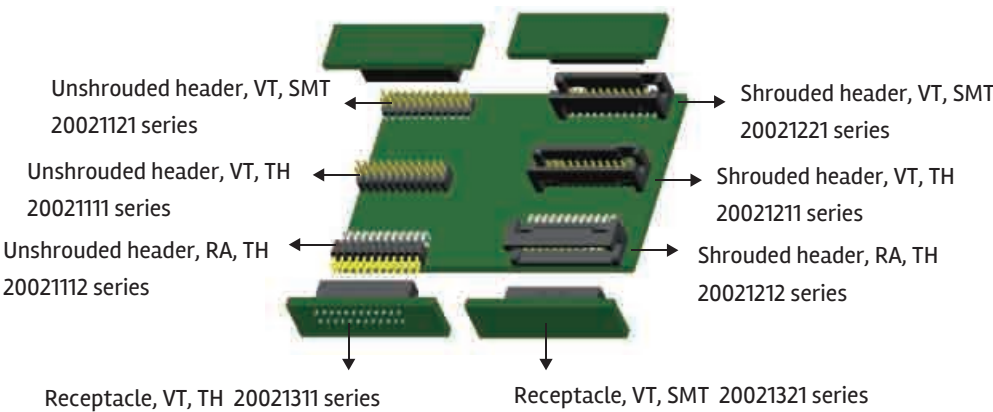
### CERTIFICATIONS & APPROVAL

- UL certificate, file no. E66906

### PACKAGING

- Tape and reel
- Tube

### PRODUCT TYPE



Product	Part Number
Unshrouded header, VT, TH	20021111
Unshrouded header, RA, TH	20021112
Unshrouded header, VT, SMT	20021121
Shrouded header, VT, TH	20021211
Shrouded header, RA, TH	20021212
Shrouded header, VT, SMT	20021221
Receptacle, VT, TH	20021311
Receptacle, VT, SMT	20021321