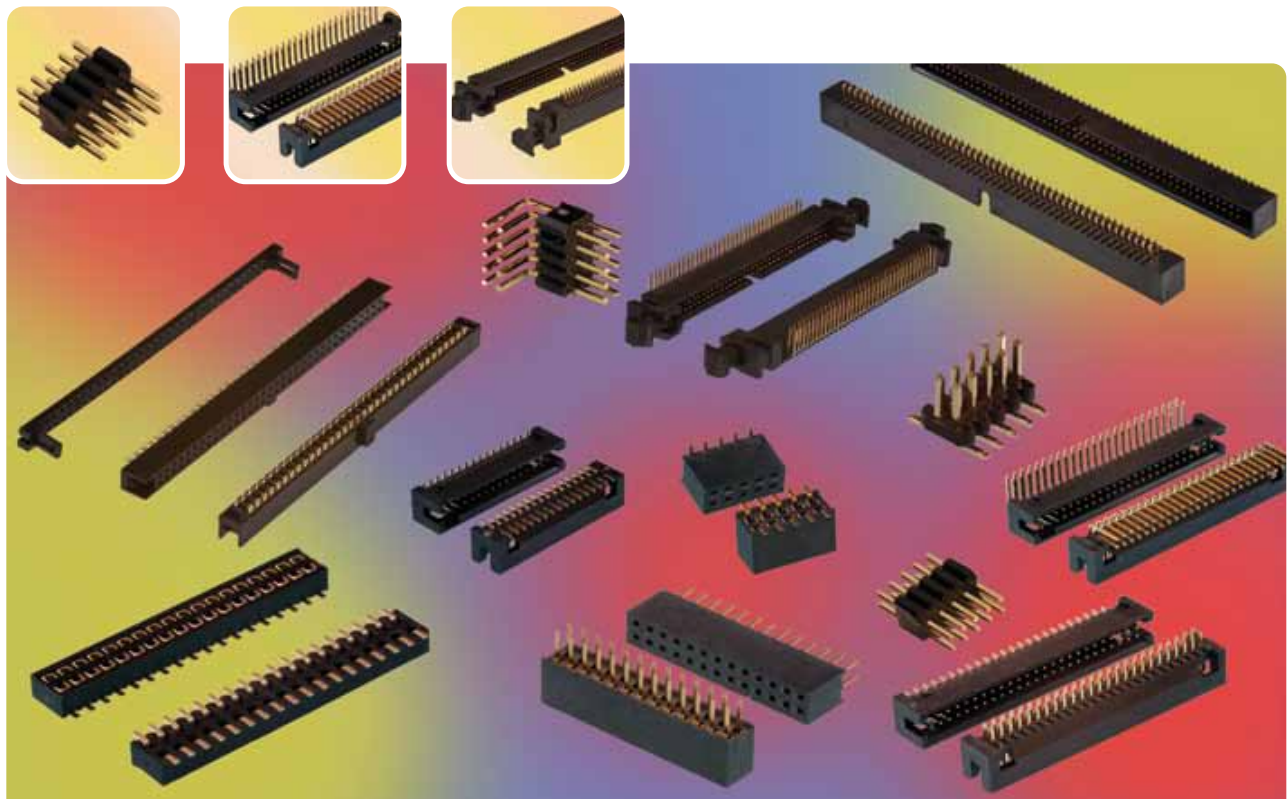




 Product Catalog

# MINITEK 127<sup>TM</sup>

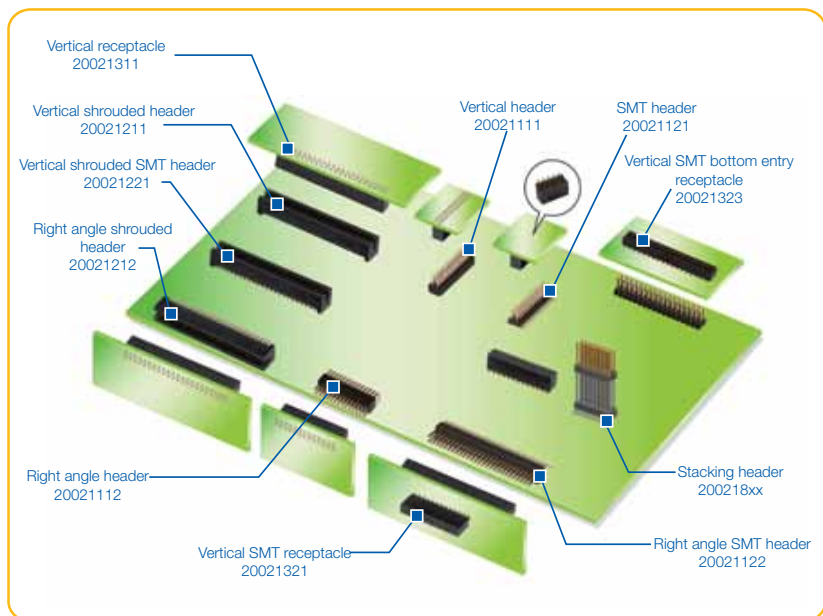
## 1.27 mm (.050") Modular System

## FCI: SETTING THE STANDARD FOR CONNECTORS

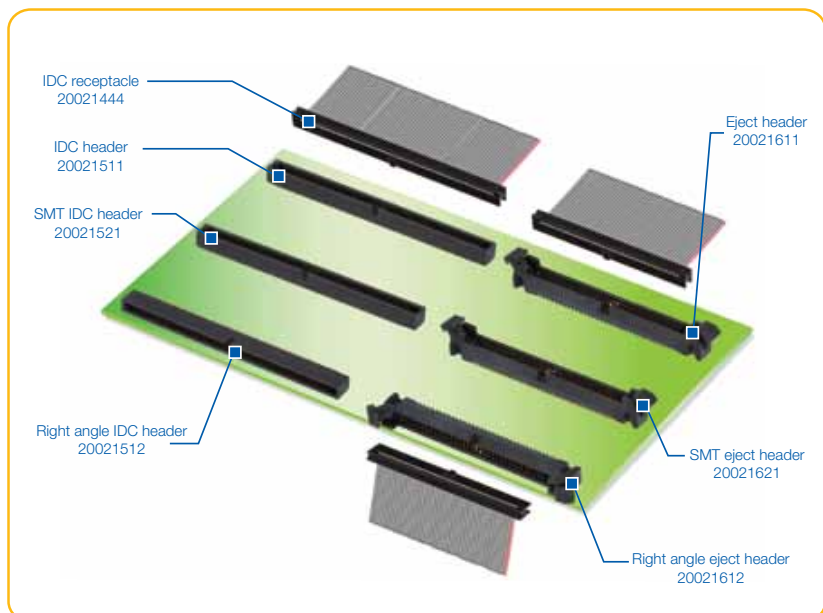
With 13,000 employees in 30 countries and sales of 1.25 billion euros in 2008, FCI is a leading manufacturer of connectors for various markets such as automotive, telecommunication infrastructures and consumer and industrial electronics.

## MINITEK 127™

### FLAT CABLE IDC



### BOARD TO BOARD



## HEADERS



|                                       |    |
|---------------------------------------|----|
| Vertical - through hole               | 4  |
| Right angle - through hole            | 6  |
| Vertical - SMT                        | 8  |
| Right angle - SMT                     | 10 |
| Stacking - SMT - through hole         | 12 |
| Vertical - through hole - shrouded    | 14 |
| Right angle - through hole - shrouded | 16 |
| Vertical - SMT - shrouded             | 18 |

## PCB RECEPTACLES



|                               |    |
|-------------------------------|----|
| Vertical - through hole       | 20 |
| Vertical - SMT                | 22 |
| Vertical - SMT - bottom entry | 24 |

## FLAT CABLE CONNECTORS



|                                   |    |
|-----------------------------------|----|
| IDC Receptacles                   | 26 |
| Header - through hole             | 28 |
| Header - SMT                      | 30 |
| Right angle header - through hole | 32 |
| Eject header - through hole       | 34 |
| Eject header - right angle        | 36 |
| Eject header - SMT                | 38 |

## PART NUMBER INDEX

40

## PART NUMBERING SYSTEM

### Example

20021221 = shrouded SMT vertical header

**2 0 0 2 1 A B C**

### A = TYPE

- 1 = unshrouded header
- 2 = shrouded header
- 3 = receptacle
- 4 = IDC
- 5 = IDC header
- 6 = IDC eject header
- 7 = CTW
- 8 = stacking header
- 9 = customization

### B = ATTACH

- 1 = TH
- 2 = SMT
- 3 = PIP
- 4 = not applicable



= TH (Through Hole)



= SMT (Surface Mount)

### C = ORIENTATION

- 1 = vertical
- 2 = right angle
- 3 = vertical alternative
- 4 = other

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega \text{ min.}$
- Contact resistance: 30 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021111
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

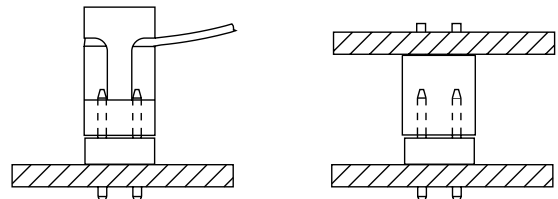
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitex 127™ vertical TH receptacles 22
- Minitex 127™ vertical SMT receptacles 22/24

## TYPICAL APPLICATIONS



# MINITEK 127™ Vertical Through Hole Headers

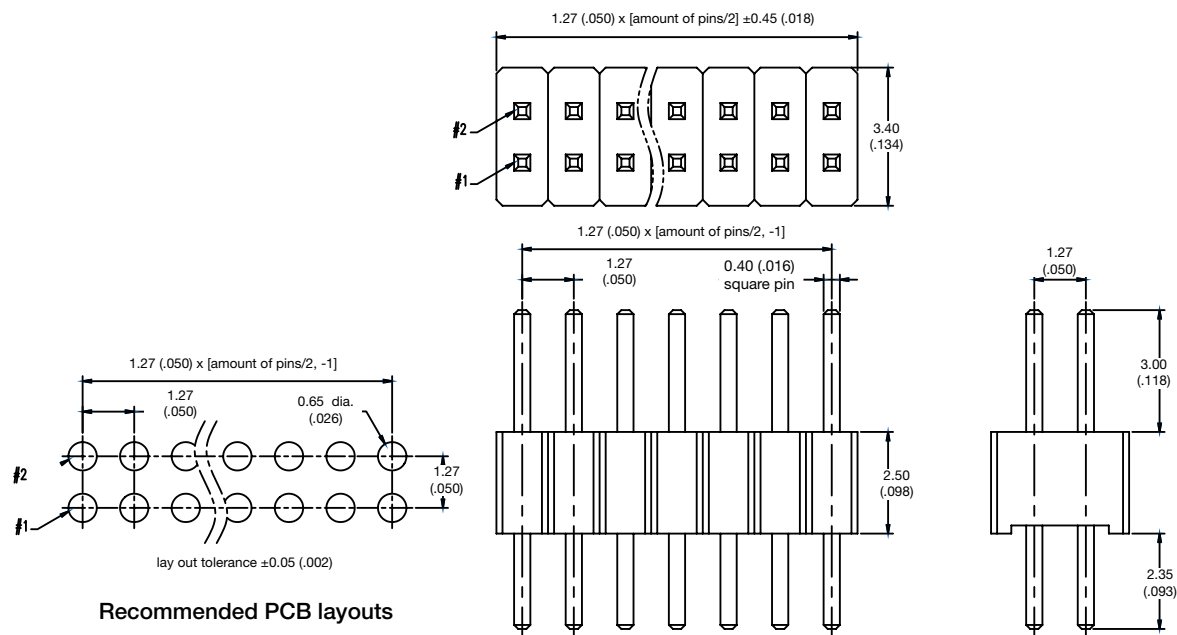
## PART NUMBERS



06, 08, 10, . . . . . A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Recommended PCB layouts

Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 230 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021112
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

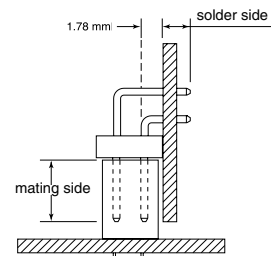
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitex 127™ vertical TH receptacles 22
- Minitex 127™ vertical SMT receptacles 22/24

## TYPICAL APPLICATIONS



# MINITEK 127™ Right Angle Through Hole Headers

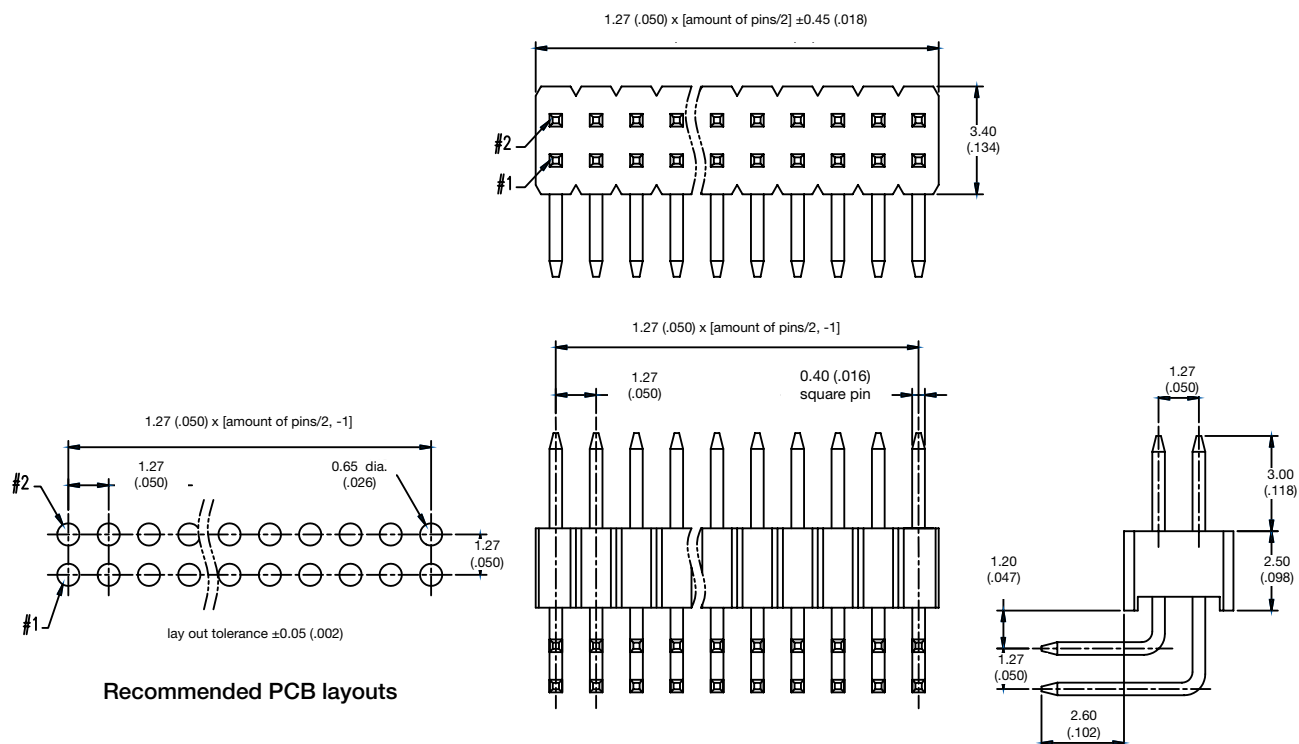
## PART NUMBERS



06, 08, 10, . . . . . A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0  $\mu\text{m}$  (40 $\mu\text{m}$ ) nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 m $\Omega$  max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tube
- Optional: Tube plus pick-up cap
- Optional: Tape and reel plus pick-up cap  
(please check tape availability)

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021121
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

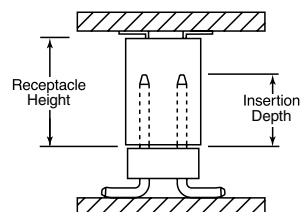
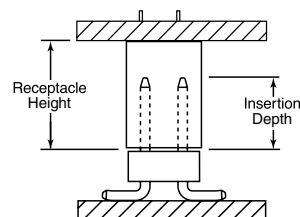
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitex 127™ vertical TH receptacles 22
- Minitex 127™ vertical SMT receptacles 22/24

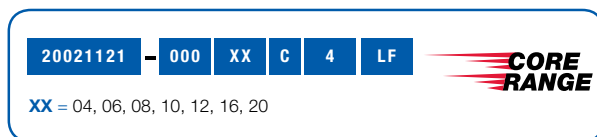
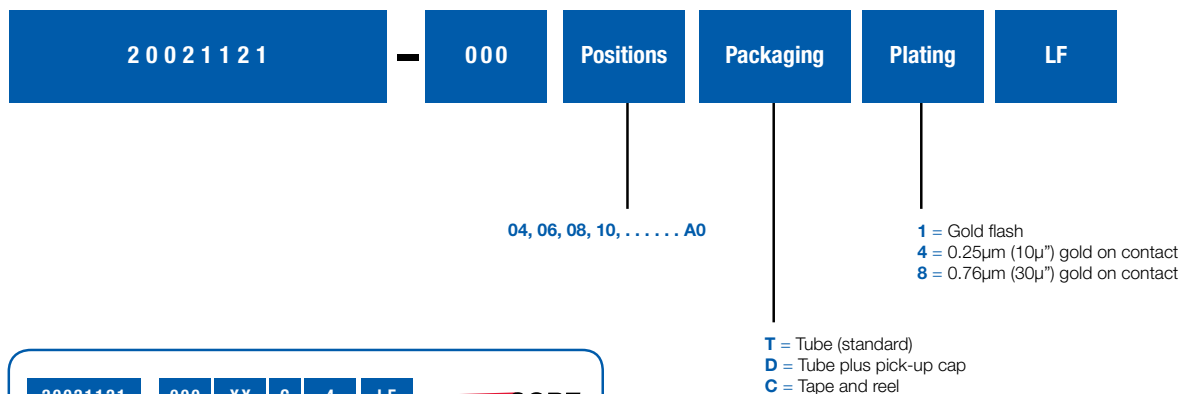
## TYPICAL APPLICATIONS



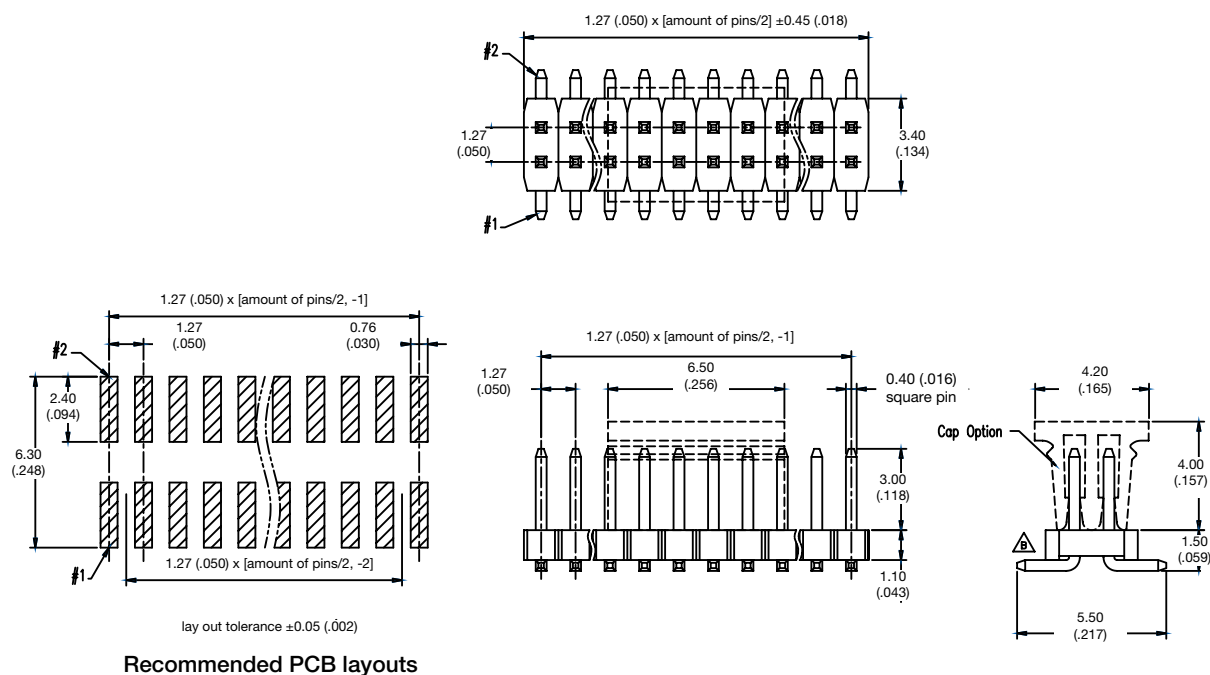


# MINITEK 127™ SMT Headers

## PART NUMBERS



## PRODUCT



## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0  $\mu\text{m}$  (40 $\mu''$ ) nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 m $\Omega$  max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tube
- Optional: Tube plus pick-up cap

### PROCESSING INFORMATION

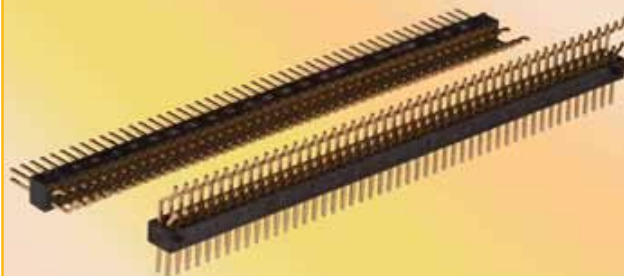
- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021122
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

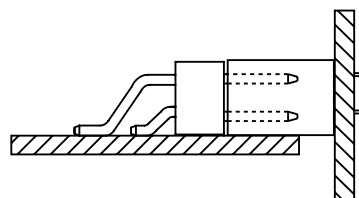
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

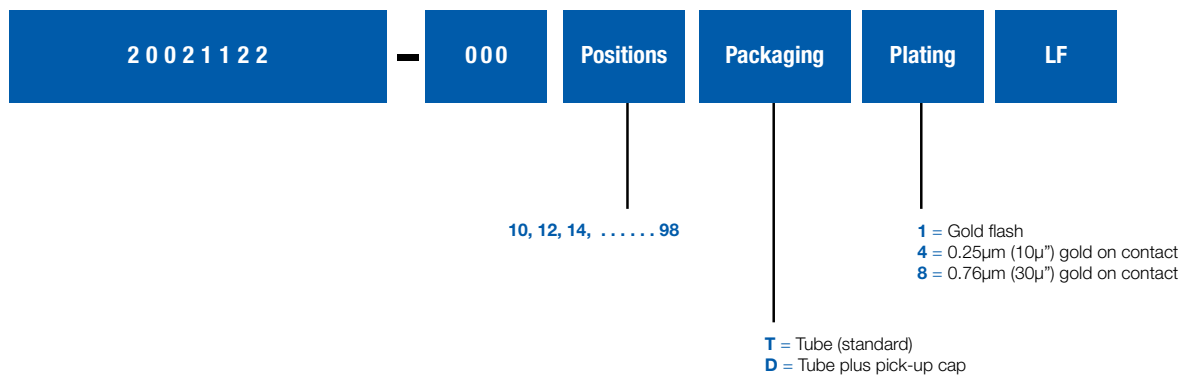
- Minitek 127™ vertical TH receptacles 22
- Minitek 127™ vertical SMT receptacles 22/24

## TYPICAL APPLICATIONS

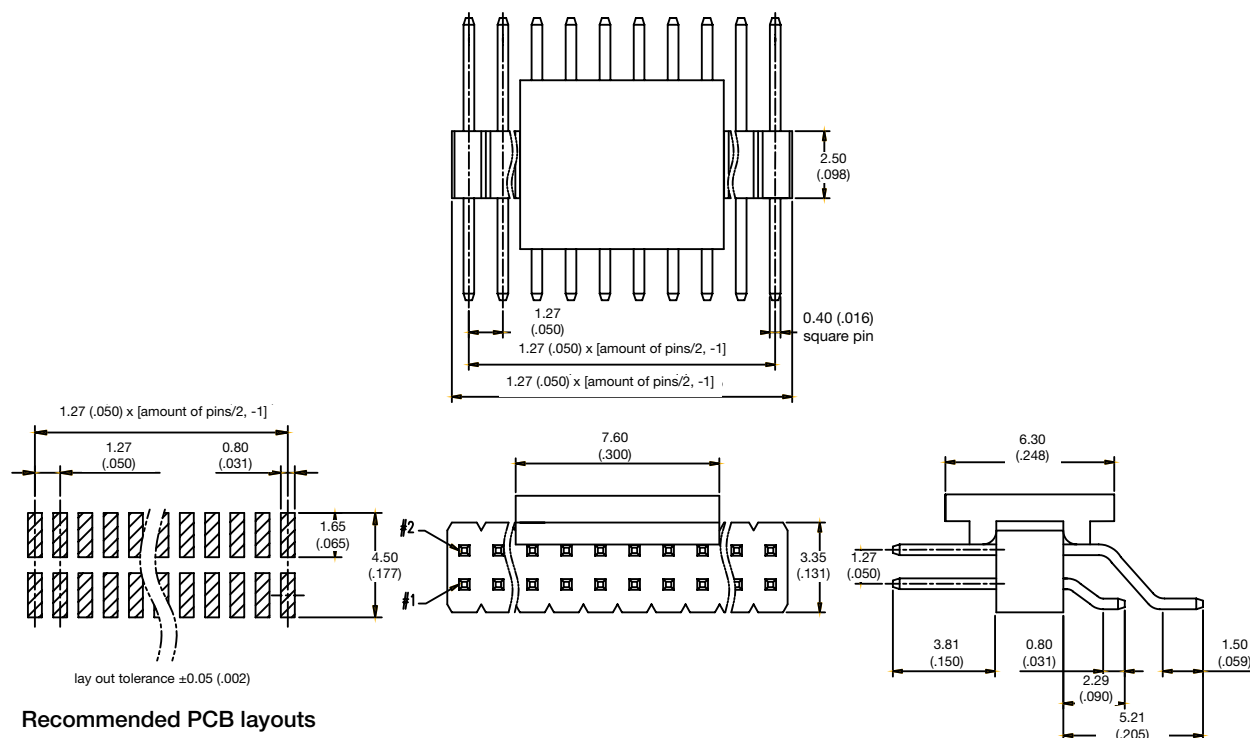


# MINITEK 127™ Right Angle SMT Headers

## PART NUMBERS



## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0  $\mu\text{m}$  (40 $\mu\text{m}$ ) nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 m $\Omega$  max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 200218xx
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

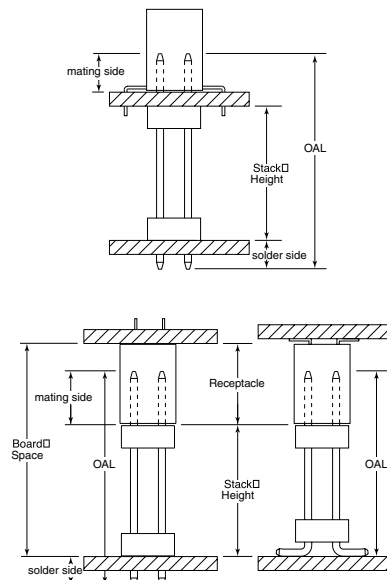
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitek 127™ vertical TH receptacles 22
- Minitek 127™ vertical SMT receptacles 22/24

## TYPICAL APPLICATIONS



# MINITEK 127™ Unshrouded Stacking Headers

## PART NUMBERS

| 200218 | Tail                                              | Pin style | Stack height | Positions            | T | Plating                                                                                  | LF |
|--------|---------------------------------------------------|-----------|--------------|----------------------|---|------------------------------------------------------------------------------------------|----|
|        | 1 = 2.5 mm (.098)<br>2 = 3.0 mm (.118)<br>3 = SMT |           |              | 06, 08, 10, ..... A0 |   | 1 = Gold flash<br>4 = 0.25µm (10µ") gold on contact<br>8 = 0.76µm (30µ") gold on contact |    |

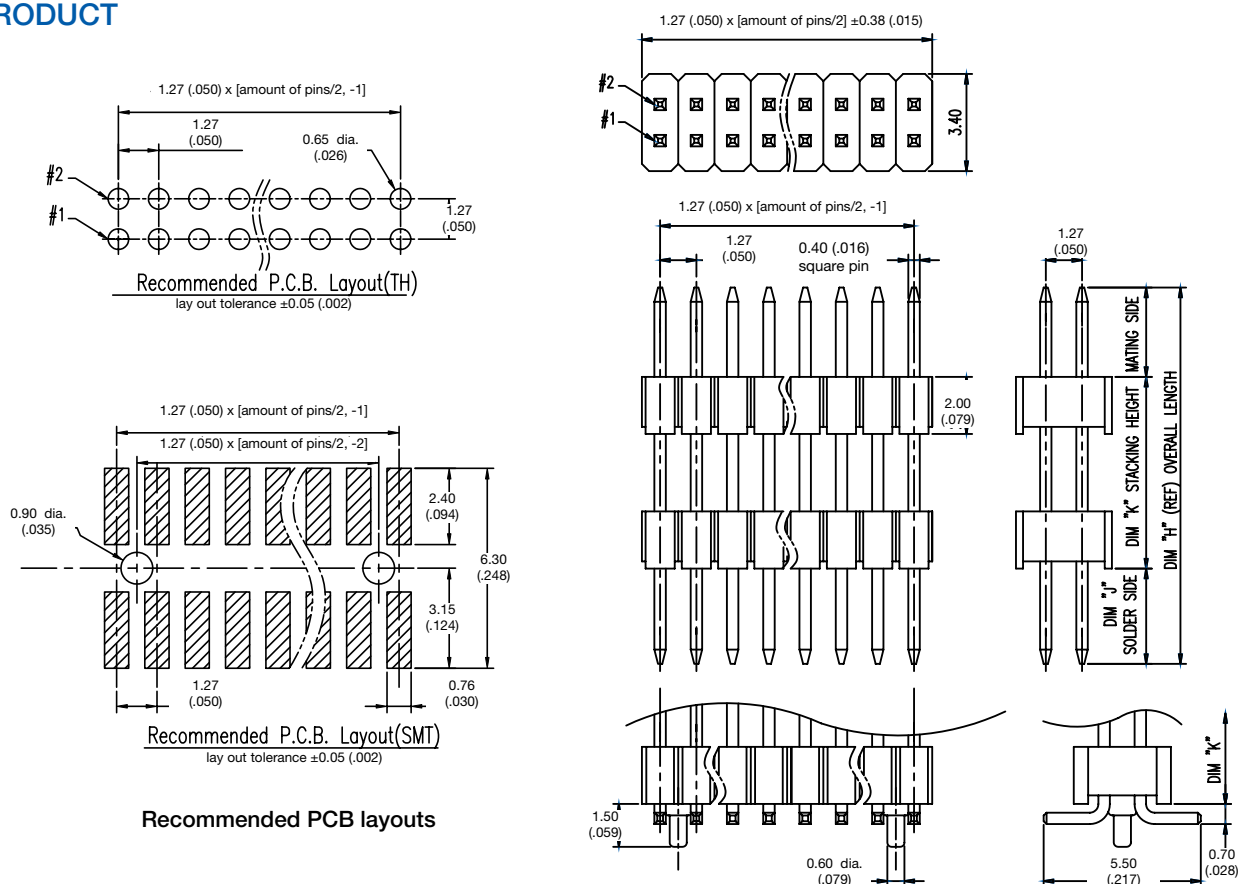
  

| Pin Style | Overall length TH<br>mm (inch) | Overall length SMT<br>mm (inch) |
|-----------|--------------------------------|---------------------------------|
| 0         | 8 (.315)                       | 6.2 (.244)                      |
| 1         | 10 (.394)                      | 8.2 (.323)                      |
| 2         | 12 (.472)                      | 10.2 (.402)                     |
| 3         | 14 (.551)                      | 12.2 (.480)                     |
| 4         | 16 (.623)                      | 14.2 (.559)                     |

040 = 4.0 mm (.157)  
 045 = 4.5 mm (.177)  
 050 = 5.0 mm (.197)  
 ↓  
 095 = 9.5 mm (.374)  
 100 = 10.0 mm (.394)

## PRODUCT



## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0  $\mu\text{m}$  (40 $\mu''$ ) nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 m $\Omega$  max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021211
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

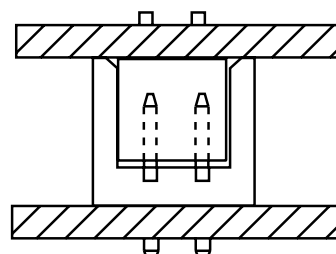
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitex 127™ vertical TH receptacles 22
- Minitex 127™ vertical SMT receptacles 22/24

## TYPICAL APPLICATIONS



# MINITEK 127™ Vertical Through Hole Shrouded Headers

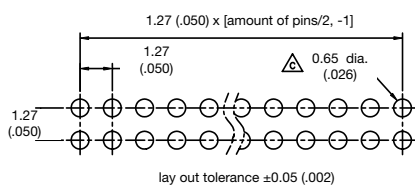
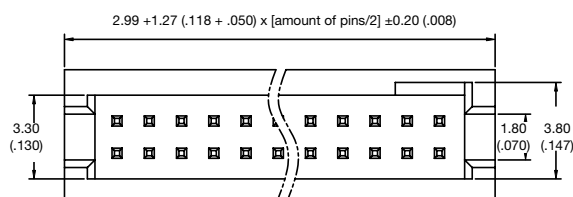
## PART NUMBERS



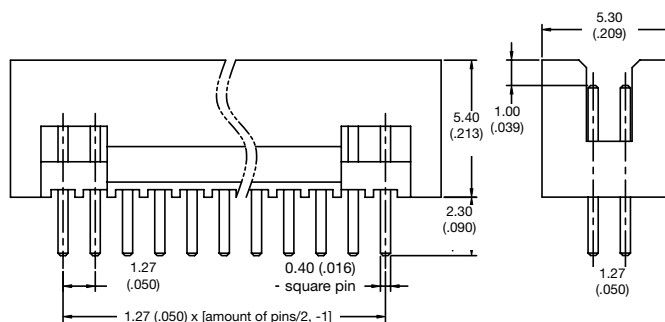
06, 08, 10, . . . . . A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Recommended PCB layouts



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021212
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

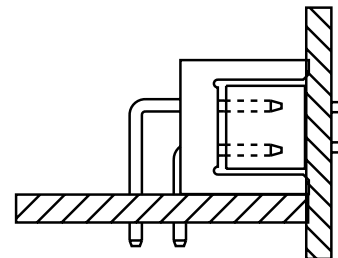
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitex 127™ vertical TH receptacles 22
- Minitex 127™ vertical SMT receptacles 22/24

## TYPICAL APPLICATIONS





# MINITEK 127™ Right Angle Through Hole Shrouded Headers

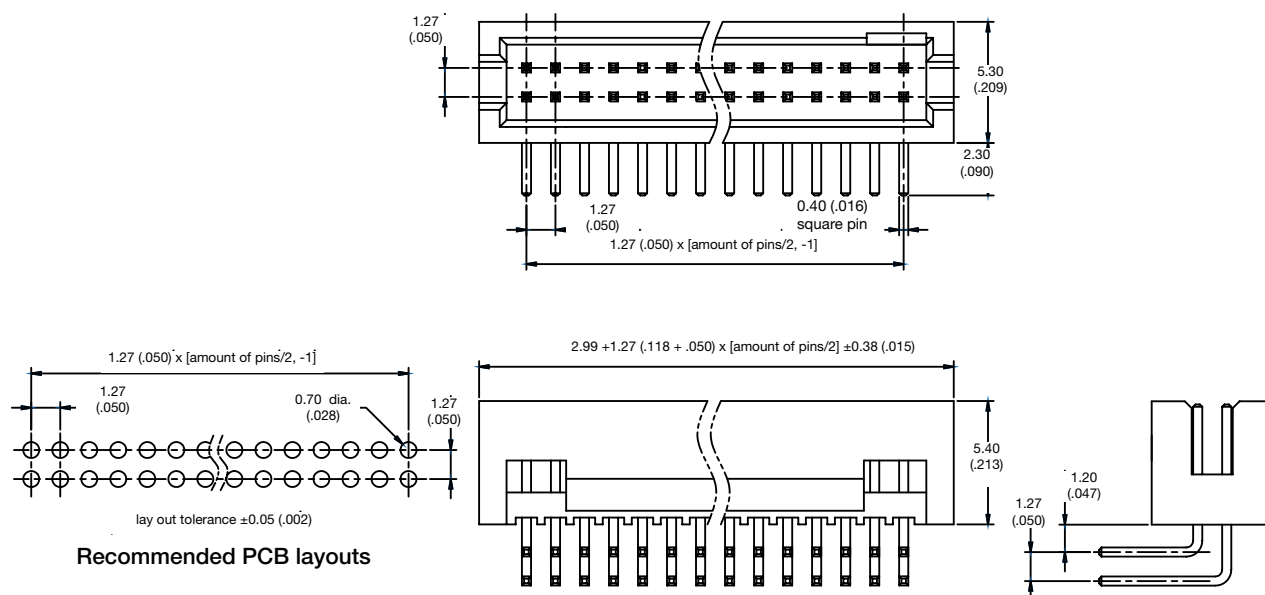
## PART NUMBERS



06, 08, 10, . . . . . A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0  $\mu\text{m}$  (40 $\mu''$ ) nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30  $\text{m}\Omega$  max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- $-40^\circ\text{C}$  to  $+85^\circ\text{C}$

### PACKAGING

- Standard: Tube
- Optional: Tube plus pick-up cap
- Optional: Tape and reel plus pick-up cap  
(please check tape availability)

### PROCESSING INFORMATION

- The product will withstand exposure to  $260^\circ\text{C}$  peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021221
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHs INFORMATION

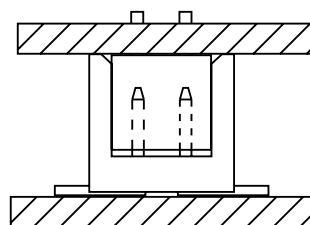
- This product is RoHs compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

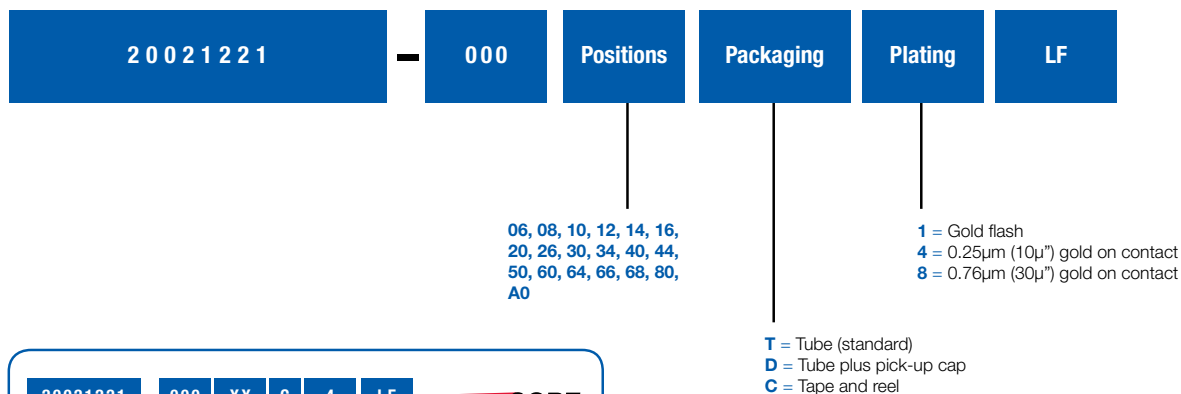
- Minitex 127™ vertical TH receptacles 22
- Minitex 127™ vertical SMT receptacles 22/24

## TYPICAL APPLICATIONS



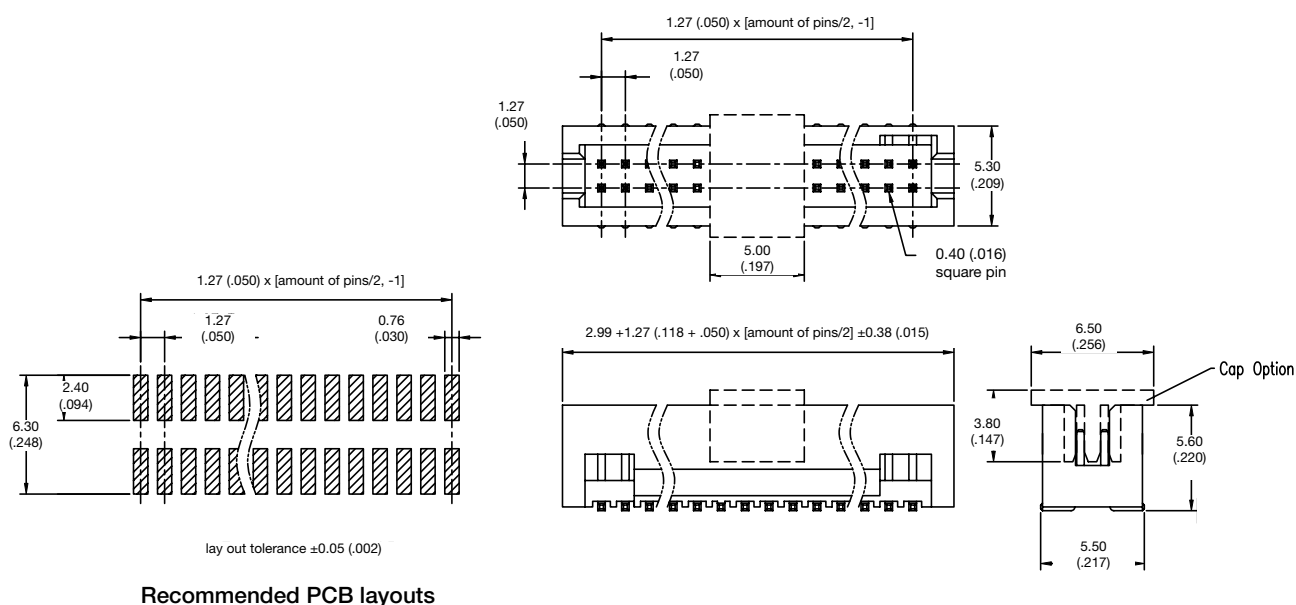
# MINITEK 127™ Vertical SMT Shrouded Headers

## PART NUMBERS



XX = 06, 08, 10, 12, 16, 20

## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.27  $\mu\text{m}$  (50 $\mu''$ ) nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 m $\Omega$  max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

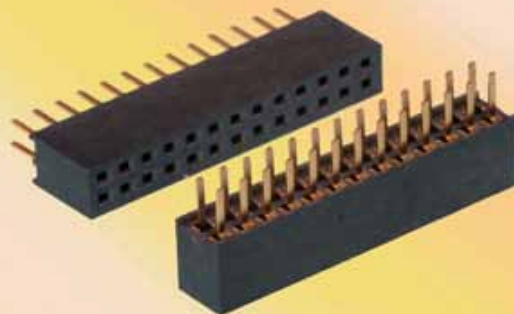
- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021311
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHs INFORMATION

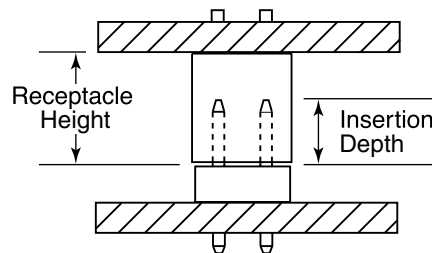
- This product is RoHs compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

|                                                |    |
|------------------------------------------------|----|
| ■ Minitek 127™ vertical TH headers             | 4  |
| ■ Minitek 127™ right angle TH headers          | 6  |
| ■ Minitek 127™ vertical SMT headers            | 8  |
| ■ Minitek 127™ right angle SMT headers         | 10 |
| ■ Minitek 127™ stacking TH/SMT headers         | 12 |
| ■ Minitek 127™ vertical TH shrouded headers    | 14 |
| ■ Minitek 127™ right angle TH shrouded headers | 16 |
| ■ Minitek 127™ vertical SMT shrouded headers   | 18 |

## TYPICAL APPLICATIONS



# MINITEK 127™ Vertical Through Hole Receptacles

## PART NUMBERS

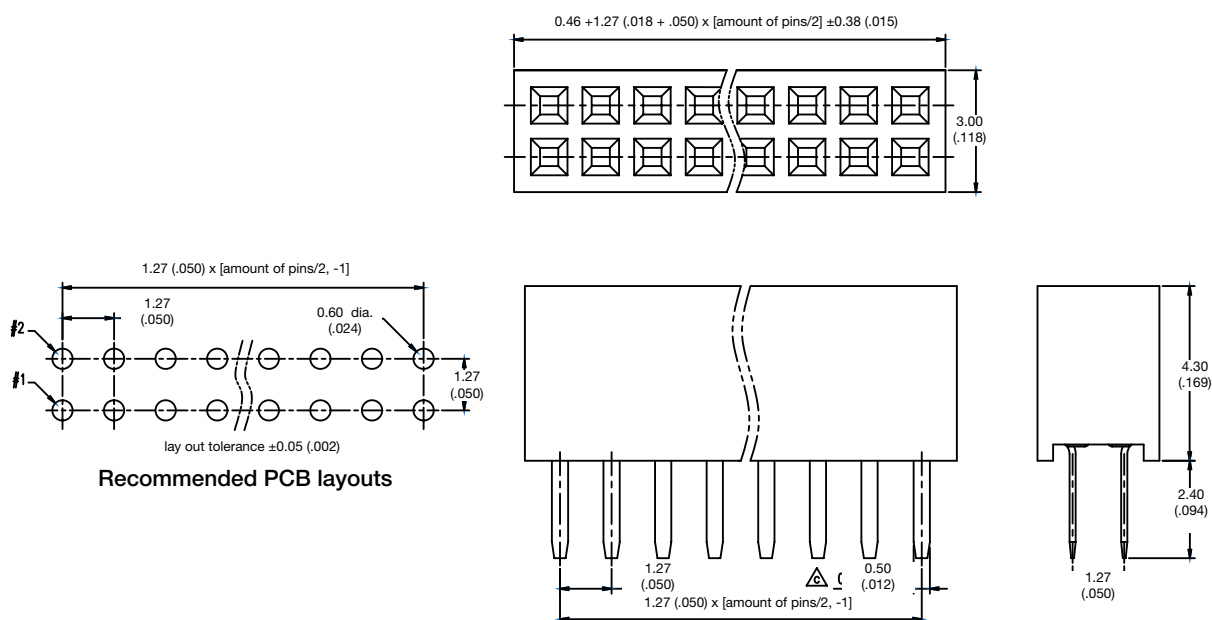


10, 12, 14, . . . . . 80

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact



## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.27 µm (50µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega \text{ min.}$
- Contact resistance:  $30 \text{ m}\Omega \text{ max.}$
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tube
- Optional: Tube plus pick-up cap
- Optional: Tape and reel plus pick-up cap  
(please check tape availability)

### PROCESSING INFORMATION

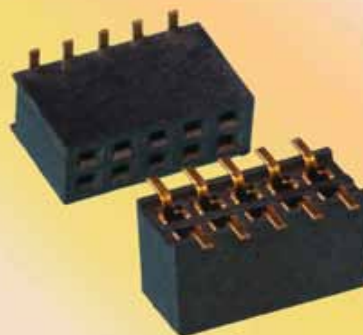
- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021321
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

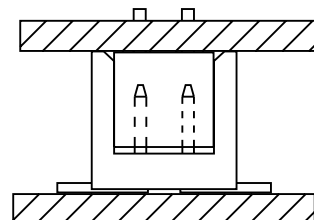
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

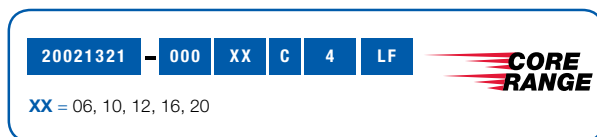
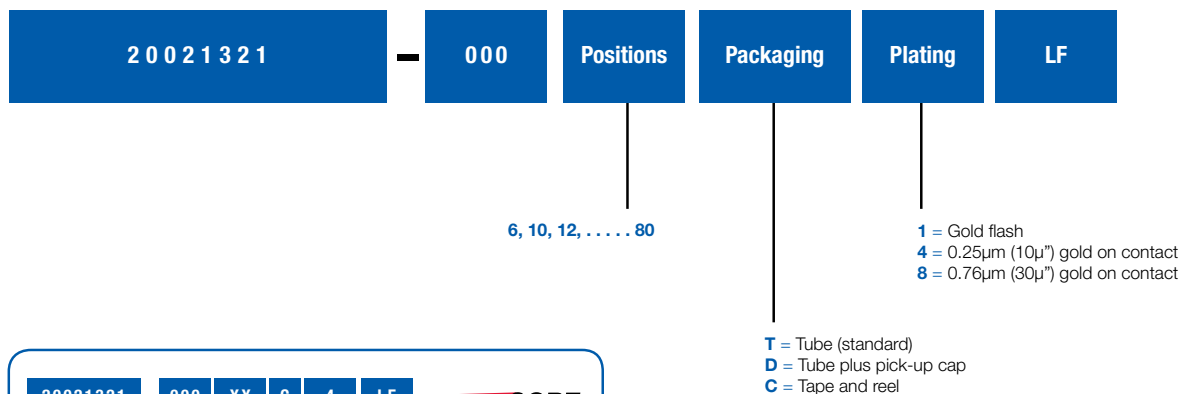
|                                                |    |
|------------------------------------------------|----|
| ■ Minitex 127™ vertical TH headers             | 4  |
| ■ Minitex 127™ right angle TH headers          | 6  |
| ■ Minitex 127™ vertical SMT headers            | 8  |
| ■ Minitex 127™ right angle SMT headers         | 10 |
| ■ Minitex 127™ stacking TH/SMT headers         | 12 |
| ■ Minitex 127™ vertical TH shrouded headers    | 14 |
| ■ Minitex 127™ right angle TH shrouded headers | 16 |
| ■ Minitex 127™ vertical SMT shrouded headers   | 18 |

## TYPICAL APPLICATIONS

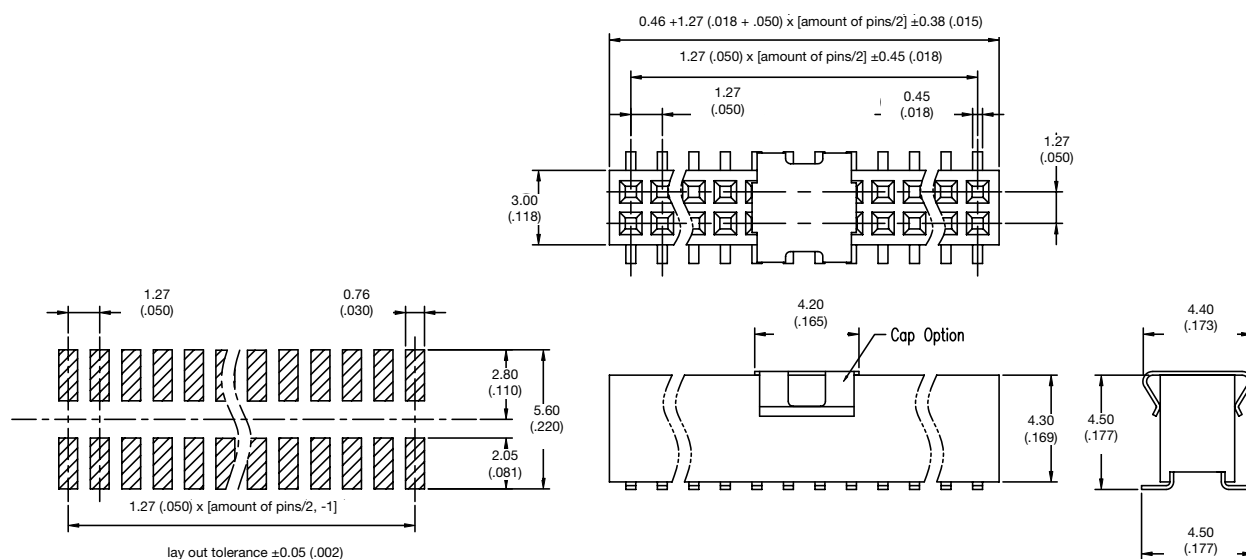


# MINITEK 127™ Vertical SMT Receptacles

## PART NUMBERS



## PRODUCT



Recommended PCB layouts

Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.27  $\mu\text{m}$  (50 $\mu$ "") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 m $\Omega$  max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tube
- Optional: Tube plus pick-up cap
- Optional: Tape and reel plus pick-up cap  
(please check tape availability)

### PROCESSING INFORMATION

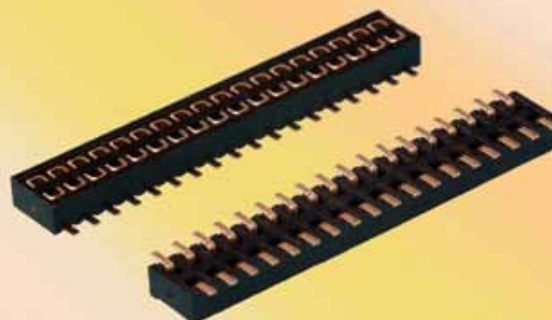
- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021323
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

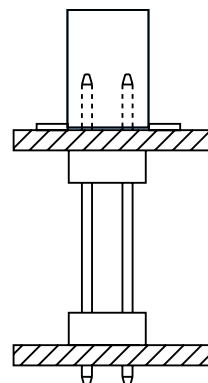
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- |                                        |      |
|----------------------------------------|------|
| ■ Minitex 127™ vertical TH headers     | 4/6  |
| ■ Minitex 127™ vertical SMT headers    | 8/10 |
| ■ Minitex 127™ stacking TH/SMT headers | 12   |

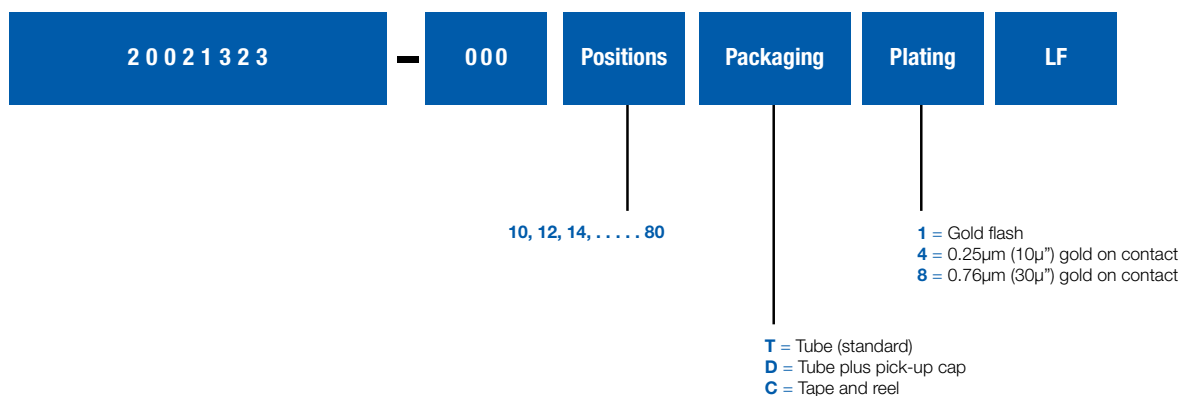
## TYPICAL APPLICATIONS



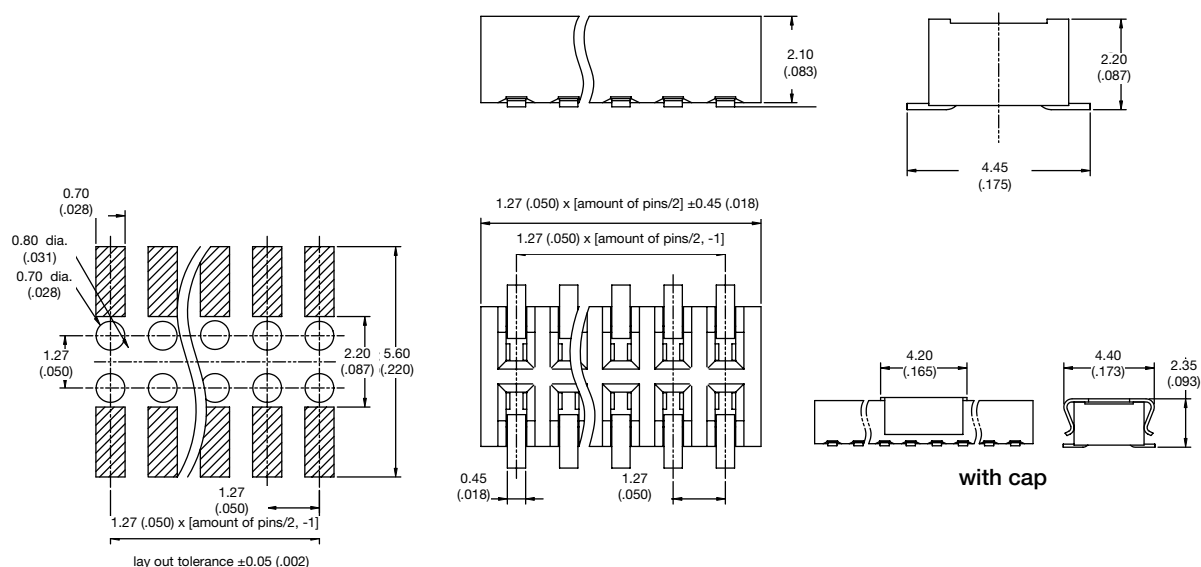


# MINITEK 127™ Vertical SMT Bottom Entry Receptacles

## PART NUMBERS



## PRODUCT



Recommended PCB layouts

Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021444
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

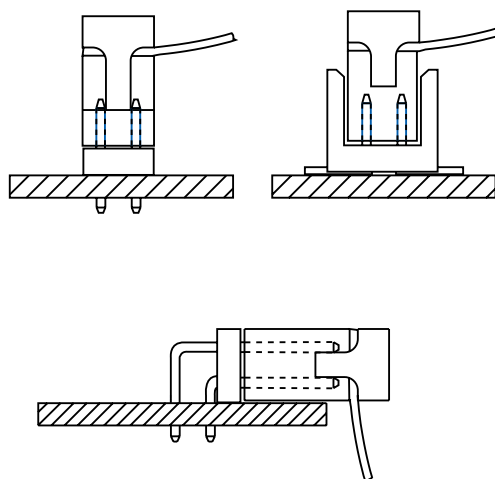
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

|                                           |    |
|-------------------------------------------|----|
| ■ Minitek 127™ IDC TH headers             | 28 |
| ■ Minitek 127™ IDC SMT headers            | 30 |
| ■ Minitek 127™ IDC right angle TH headers | 32 |
| ■ Minitek 127™ TH eject headers           | 34 |
| ■ Minitek 127™ right angle eject headers  | 36 |
| ■ Minitek 127™ SMT eject headers          | 38 |

## TYPICAL APPLICATIONS



# MINITEK 127™ IDC Receptacles

## PART NUMBERS

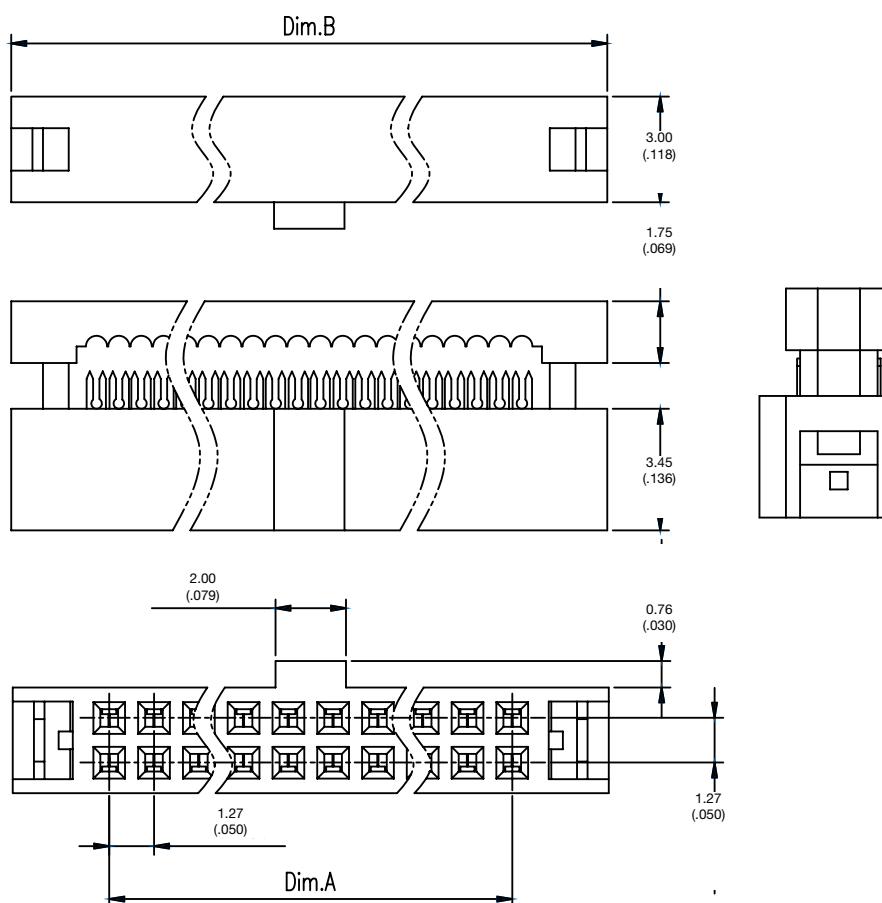


06, 08, 10, 12, 14, 16,  
20, 24, 26, 30, 34, 40,  
44, 50, 60, 64, 66, 68,  
A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact



## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega \text{ min.}$
- Contact resistance: 30 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021511
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

- This product is RoHS compatible according to the European Union Directive 2002/95/IEC

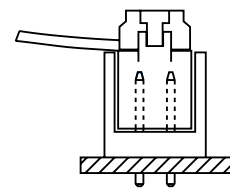
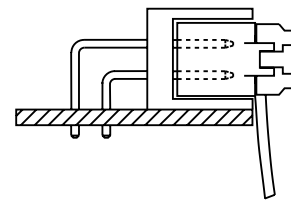


## MATING DATA

- Minitek 127™ IDC receptacle

26

## TYPICAL APPLICATIONS



# MINITEK 127™ Vertical Through Hole IDC Headers

## PART NUMBERS

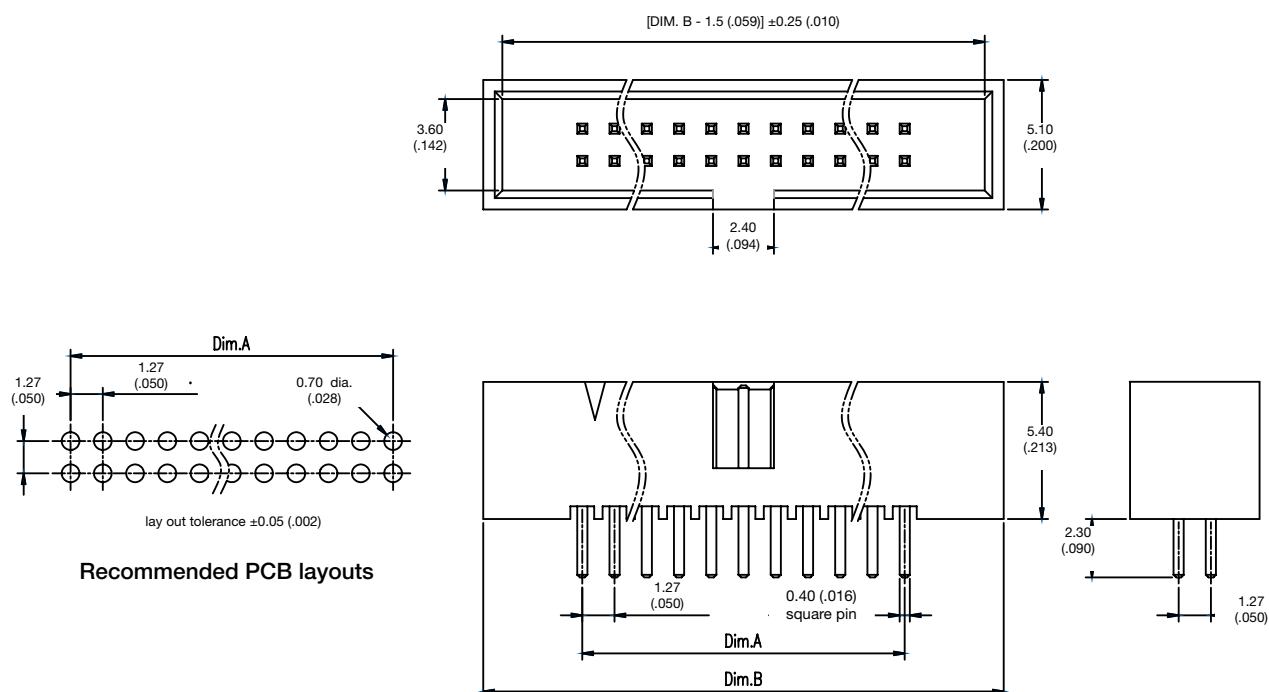


06, 10, 12, 14, 16, 20,  
26, 30, 34, 40, 44, 50,  
60, 64, 66, 68, 80, A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact



## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

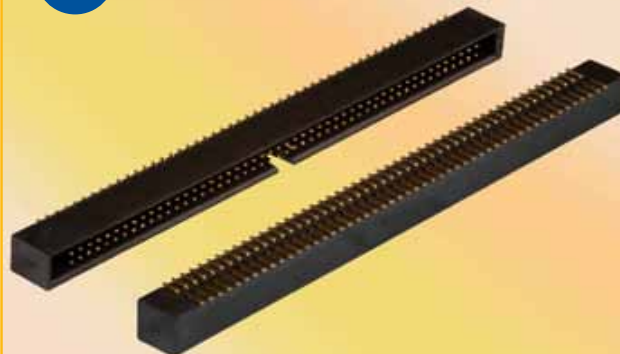
- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021521
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

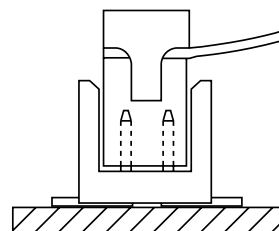
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitek 127™ IDC receptacle 26

## TYPICAL APPLICATIONS



# MINITEK 127™ Vertical SMT IDC Headers

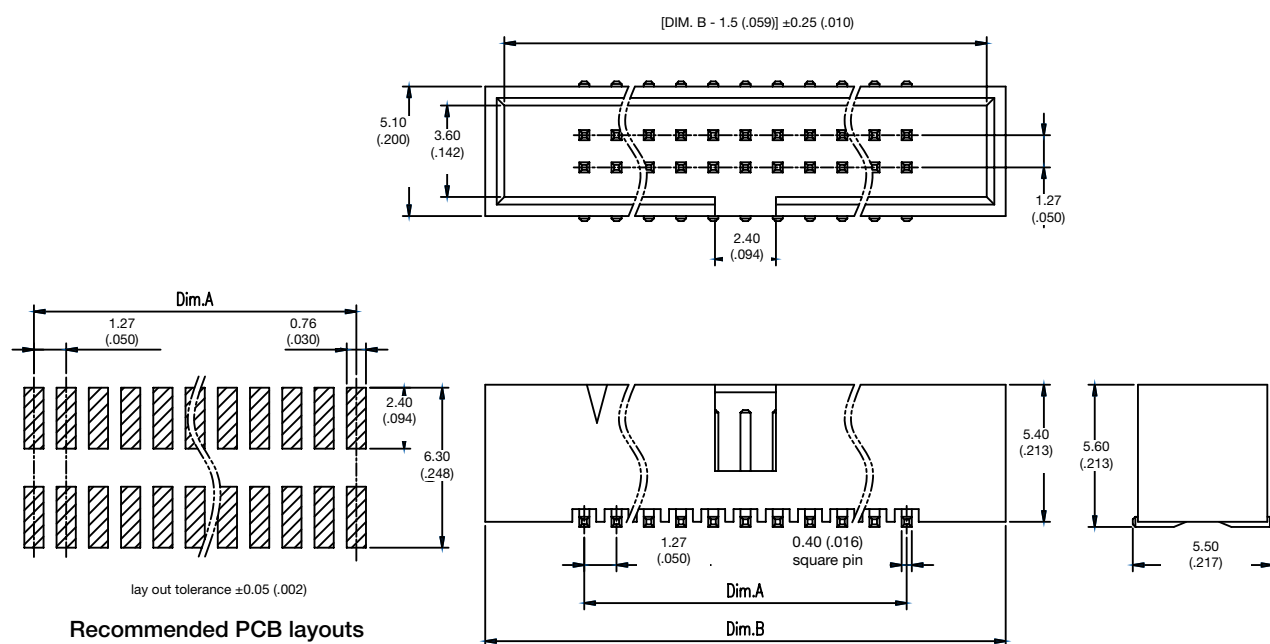
## PART NUMBERS



06, 10, 12, 14, 16, 20,  
26, 30, 34, 40, 44, 50,  
60, 64, 68, 80, A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

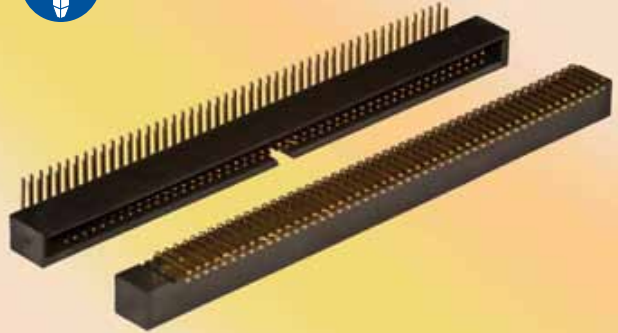
- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021512
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

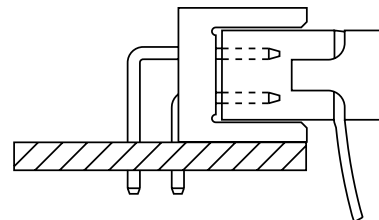
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitek 127™ IDC receptacle 26

## TYPICAL APPLICATIONS





# MINITEK 127™ Right Angle Through Hole IDC Headers

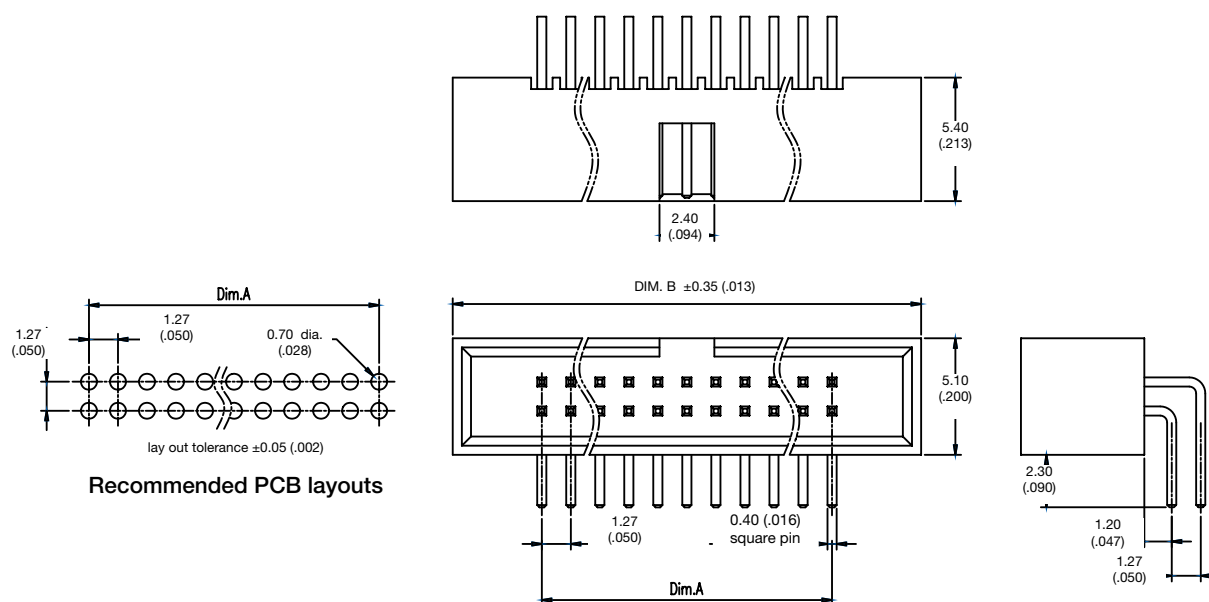
## PART NUMBERS



06, 10, 12, 14, 16, 20,  
26, 30, 34, 40, 44, 50,  
60, 64, 68, 80, A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0  $\mu\text{m}$  (40 $\mu\text{m}$ ) nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 m $\Omega$  max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021611
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

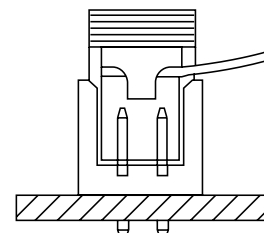
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitek 127™ IDC receptacle 26

## TYPICAL APPLICATIONS



# MINITEK 127™ Vertical Through Hole Eject Headers

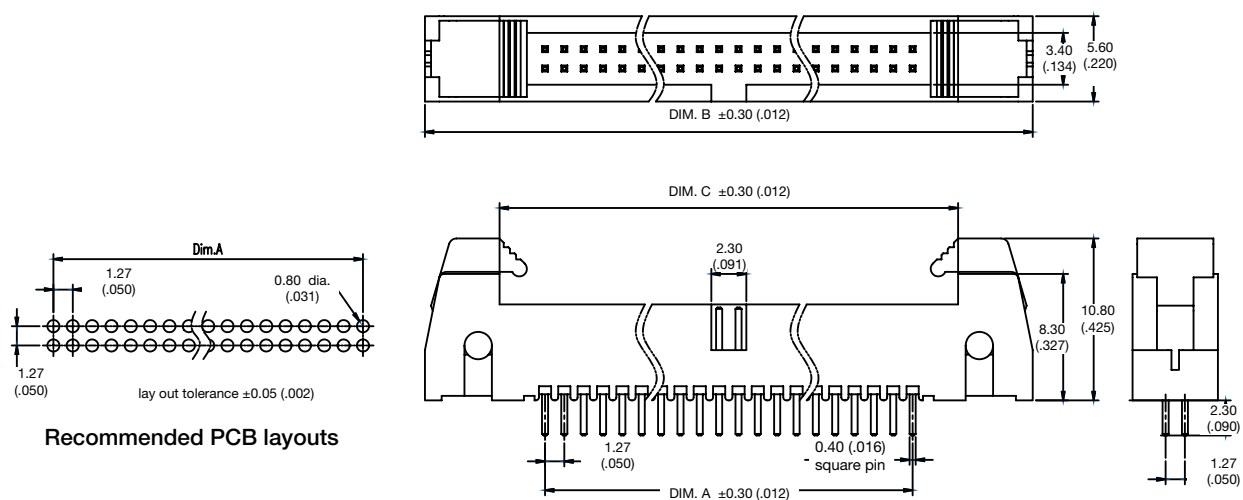
## PART NUMBERS



06, 10, 12, 14, 16, 20,  
26, 30, 34, 40, 44, 50,  
60, 64, 68, 80, A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tubes

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021612
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

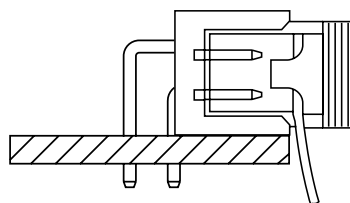
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitex 127™ IDC receptacle 26

## TYPICAL APPLICATIONS



# MINITEK 127™ Right Angle Through Hole Eject Headers

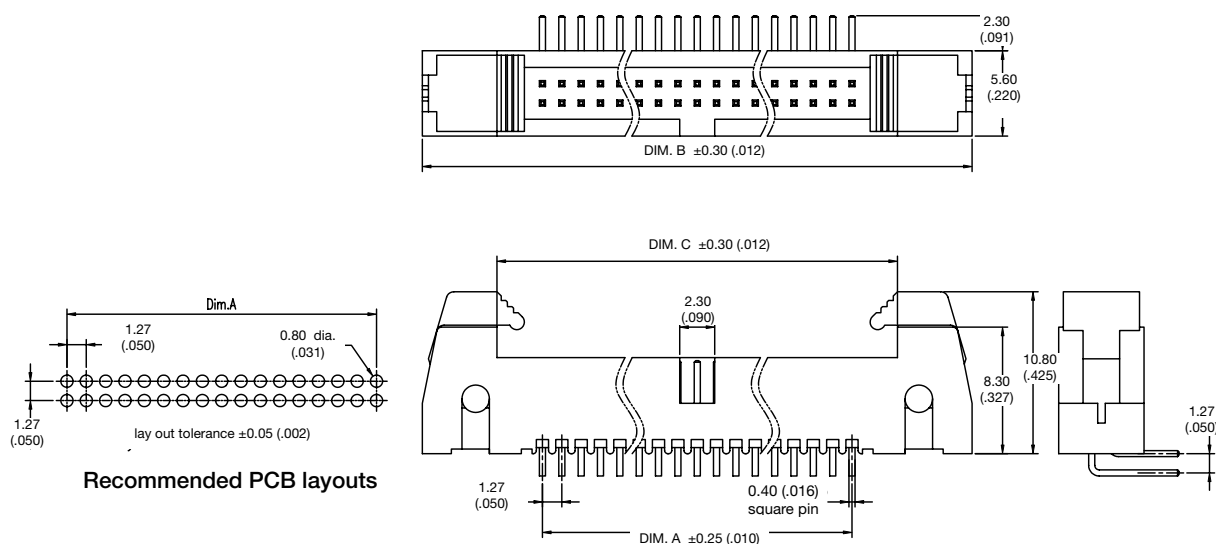
## PART NUMBERS



06, 10, 12, 14, 16, 20,  
26, 30, 34, 40, 44, 50,  
60, 64, 68, 80, A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Dimension : mm (inch)

## TECHNICAL DATA

### PHYSICAL

- Housing: High-temperature, black thermoplastic
- Flammability rating: UL 94 V-0
- Pin: Copper Alloy
- Plating: Gold over 1.0 µm (40µ") nickel

### ELECTRICAL PERFORMANCE

- Current rating: 1 A continuous
- Insulation resistance:  $1 \times 10^2 \text{ M}\Omega$  min.
- Contact resistance: 30 mΩ max.
- Dielectric withstanding voltage: 500 V
- Voltage rating: 125 V.

### MECHANICAL PERFORMANCE

- Mating cycles (durability): 100.

### OPERATING TEMPERATURE RANGE

- -40°C to +85°C

### PACKAGING

- Standard: Tape and reel plus pick-up cap

### PROCESSING INFORMATION

- The product will withstand exposure to 260°C peak temperature for 10 seconds in a wave solder application with a PCB

### REFERENCE INFORMATION

- Product drawing: 20021621
- Product specification: GS-12-629
- Packaging specification: GS-14-1420

### RoHS INFORMATION

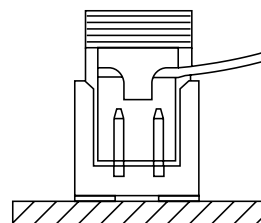
- This product is RoHS compatible according to the European Union Directive 2002/95/IEC



## MATING DATA

- Minitek 127™ IDC receptacle 26

## TYPICAL APPLICATIONS



# MINITEK 127™ Vertical SMT Eject Headers

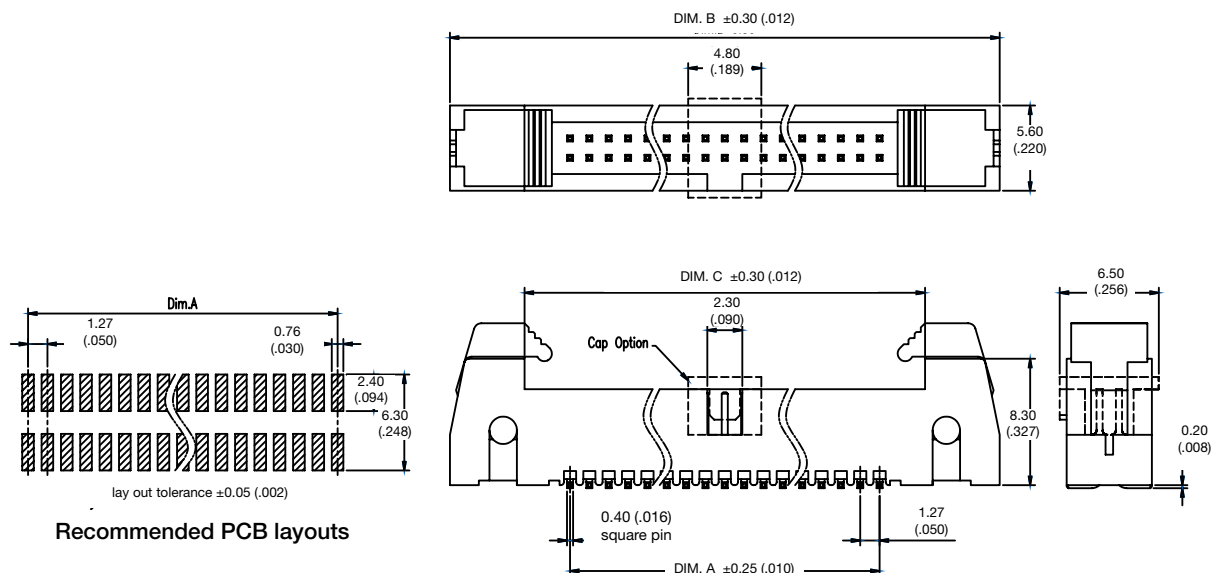
## PART NUMBERS



06, 10, 12, 14, 16, 20,  
26, 30, 34, 40, 44, 50,  
60, 64, 68, 80, A0

1 = Gold flash  
4 = 0.25µm (10µ") gold on contact  
8 = 0.76µm (30µ") gold on contact

## PRODUCT



Dimension : mm (inch)

|          |         |
|----------|---------|
| 20021111 | 4 - 5   |
| 20021112 | 6 - 7   |
| 20021121 | 8 - 9   |
| 20021122 | 10 - 11 |
| 20021211 | 14 - 15 |
| 20021212 | 16 - 17 |
| 20021221 | 18 - 19 |
| 20021311 | 20 - 21 |
| 20021321 | 22 - 23 |
| 20021323 | 24 - 25 |
| 20021444 | 26 - 27 |
| 20021511 | 28 - 29 |
| 20021512 | 32 - 33 |
| 20021521 | 30 - 31 |
| 20021611 | 34 - 35 |
| 20021612 | 36 - 37 |
| 20021621 | 38 - 39 |
| 200218xx | 12 - 13 |



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