

# SINGLE ROW VERTICAL PIN HEADER



## 1271 SERIES. 1.27 mm (0.050") pitch.

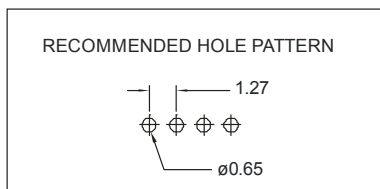
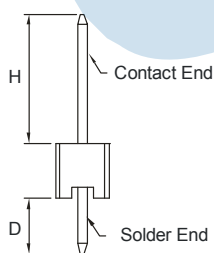
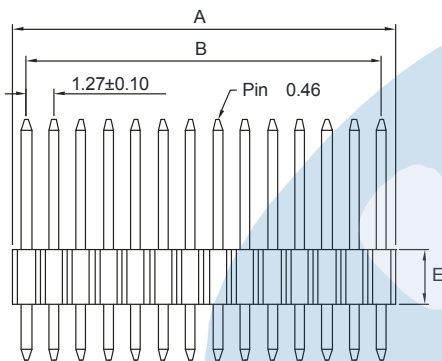
### General Features

- Available in 2 through 50 circuits
- Mates with sockets 1.27mm. pitch 1278 and 1277 series
- 0,46 mm. square pin in contact area and round pin 0,53 mm. In solder area
- Available with different plating and pin length

### Materials

- Insulator: Polyester LCP UL 94 V-0
- Contact: Phosphor Bronze
- Operating temperature: -40°C to +105°C
- RoHS compliant

### Dimension Information



Dimensions: (In mm.)

A = 1.27 x (XX\*-1)

B = 1.27 x (XX\*)

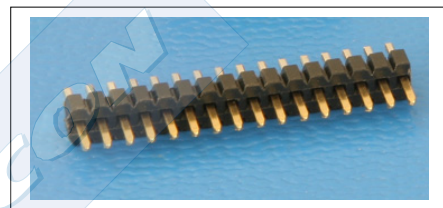
\* XX (Number of circuits)

### Electrical Features

- Voltage rating: < 100V
- Current rating: < 1 A
- Contact resistance: < 20 mΩ
- Dielectric withstanding voltage: 300 V AC/minute
- Insulation resistance: >1000 MΩ
- Capacitance: < 2 pF at 1 KHz

### Mechanical Features

- Pin retention force to insulator: > 0,15 Kgf
- Durability: 50 cycles



### Ordering Information:

**1271 - T- XX- C- S**  
 1 2 3 4 5

#### 1. Connector Series

#### 2. (T) Contact Plating

- T = 2. Tin plated
- T = 3. Gold flash over nickel  
Recommended Finish
- T = 5. 15µ" gold over nickel
- T = 6. 30µ" gold over nickel
- T = 13. Selec. gold flash over nickel
- T = 15. 15µ" selec. gold over nickel
- T = 16. 30µ" selec. gold over nickel

#### 3. (XX) Number of circuits

- Available in 2 through 50 circuits

#### 4. (C) Pin Dimensions

- C = 1. H=3.00 mm. D=2.60 mm.
- C = 2. H=6.00 mm. D=2.60 mm.
- C = 3. H=4.80 mm. D=2.60 mm.
- C = 4. H=3.00 mm. D=2.00 mm.

#### 5. (S) Insulator Dimensions

- S = 1. Dim. E=2.54 mm
- S = 2. Dim. E=3.00 mm
- S = 3. Dim. E=1.70 mm
- S = 4. Dim. E=1.40 mm