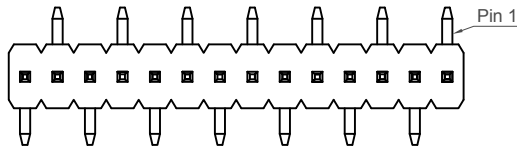
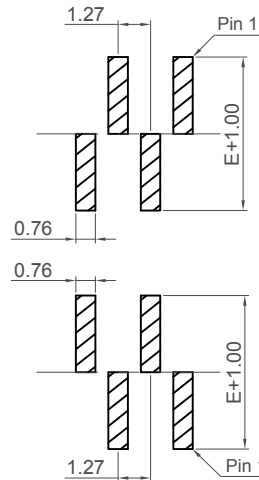
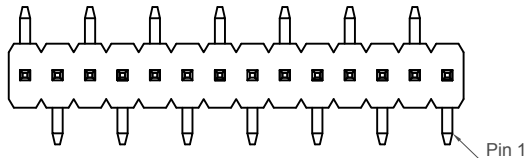


### R1 Type

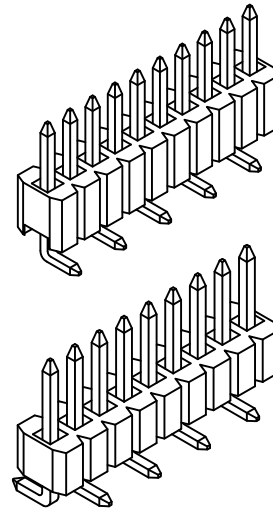


### R2 Type

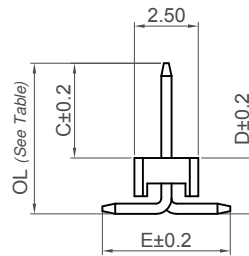
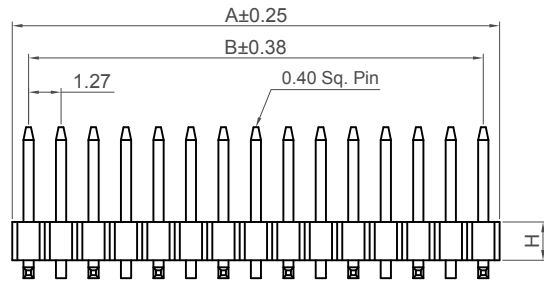


### Recommended PCB Layouts

Solder Area



| No. of Contacts | Dimensions |       | No. of Contacts | Dimensions |       |
|-----------------|------------|-------|-----------------|------------|-------|
|                 | A          | B     |                 | A          | B     |
| 2               | 2.54       | 1.27  | 18              | 22.86      | 21.59 |
| 3               | 3.81       | 2.54  | 19              | 24.13      | 22.86 |
| 4               | 5.08       | 3.81  | 20              | 25.40      | 24.13 |
| 5               | 6.35       | 5.08  | 21              | 26.67      | 25.40 |
| 6               | 7.62       | 6.35  | 22              | 27.94      | 26.67 |
| 7               | 8.89       | 7.62  | 23              | 29.21      | 27.94 |
| 8               | 10.16      | 8.89  | 24              | 30.48      | 29.21 |
| 9               | 11.43      | 10.16 | 25              | 31.75      | 30.48 |
| 10              | 12.70      | 11.43 | 26              | 33.02      | 31.75 |
| 11              | 13.97      | 12.70 | 27              | 34.29      | 33.02 |
| 12              | 15.24      | 13.97 | 28              | 35.56      | 34.29 |
| 13              | 16.51      | 15.24 | 29              | 36.83      | 35.56 |
| 14              | 17.78      | 16.51 | 30              | 38.10      | 36.83 |
| 15              | 19.05      | 17.78 | 31              | 39.37      | 38.10 |
| 16              | 20.32      | 19.05 | 32              | 40.64      | 39.37 |
| 17              | 21.59      | 20.32 | 33              | 41.91      | 40.64 |



### Specifications

#### Material

Insulator: Polymer, LCP, UL94V-0  
Polyamide, Nylon 6T, UL94V-0  
Contact: Copper Alloy

#### Plating

See Ordering Grid

#### Electrical

Current Rating: 1A per pin  
Contact Resistance: 20 mΩ max.  
Insulating Resistance: 1000 MΩ min.  
Dielectric Withstand Voltage: 300V AC

#### Mechanical & Environmental

Operating Temperature: -40°C to +105°C

| Insulator Height 'H' | Maximum Table |                |
|----------------------|---------------|----------------|
|                      | OL Max (mm)   | Dim C Max (mm) |
| A                    | 12.00         | 8.00           |
| K                    | 10.00         | 6.00           |
| B                    | 15.00         | 10.00          |

Soldering Process: (LCP & Nylon 6T)  
IR Reflow: 260°C for 10 sec.  
Manual Solder: 350°C for 3-5 sec

Mates with (Subject to pin length)  
BD074 BD075 BD080 BD090

BD074 Recommended mating length 1.50mm

### Ordering Grid

**BD021** - **XX**X - **X**X - **XXXX** - **XXXX** - **XXXX** - **X**X

No. of Contacts: 02 to 33

Contact Plating:  
**A** = Gold Flash All Over (Standard)  
**B** = Selective Gold Flash Contact Area/  
 Tin On Tail  
**C** = Tin All Over  
**G** = 10µ" Gold Contact Area/Tin On Tail  
**I** = 30µ" Gold Contact Area/Tin On Tail

Insulator Height 'H':  
**A** = 1.50mm (Standard)  
**K** = 1.00mm  
**B** = 2.00mm

Type:  
 1 = R1 Type  
 2 = R2 Type

Request Samples and Quotation

Packing Options:  
**B** = Tape & Reel w/Cap (Standard)  
**D** = Tube  
**E** = Tube with Cap

Insulator Material:  
**L** = LCP  
**N** = Nylon 6T

Dimension E (Footprint Width) (1/100mm):  
**0550** = 5.50mm (Standard)  
 or specify custom Footprint width  
 eg 0500 = 5.00mm  
 (Tooling charge may apply)

Dimension D (PCB to Top of Insulator) (1/100mm):  
**0150** = 1.50mm (Standard - Minimum where 'H' = K)  
**0200** = 2.00mm (Standard - Minimum where 'H' = A)  
**0240** = 2.40mm (Standard - Minimum where 'H' = B)  
 or specify custom PCB to top of Insulator Height  
 eg 0250 = 2.50mm

#### Dimension C (Post Height) (1/100mm)

**0150** = 1.50mm (Standard)  
**0350** = 3.50mm (Standard)  
 or specify custom Post Height  
 eg 2.50mm = 0250  
 (Minimum 0100 = 1.00mm)  
 (Maximum - see Table)

| Part Number     |          | Product Description                 |               |
|-----------------|----------|-------------------------------------|---------------|
| BD021           |          | 1.27mm Pitch Pin Header             |               |
| Drawing Date    |          | Single Row, Surface Mount, Vertical |               |
| 27th March 2008 |          |                                     |               |
| By              | CC       | Tolerances (Except as Noted)        | Units:        |
| Detail          | BD021    | Length                              | Metric (mm)   |
| Revision        | D4       | Angle                               |               |
| Date            | 07/09/17 | X.X ± 0.38                          | X° ± 5°       |
|                 |          | X.XX ± 0.25                         | X.XX° ± 2°    |
|                 |          | X.XXX ± 0.13                        | X.XXX° ± 1°   |
|                 |          |                                     | X.XXX° ± 0.5° |

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3rd Angle Projection

Deca-BDE

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|              |              |               |
|--------------|--------------|---------------|
| Not to Scale | Drawn By ASE | Sheet No. 1/1 |
|--------------|--------------|---------------|