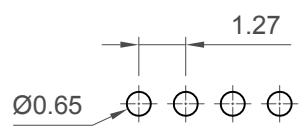
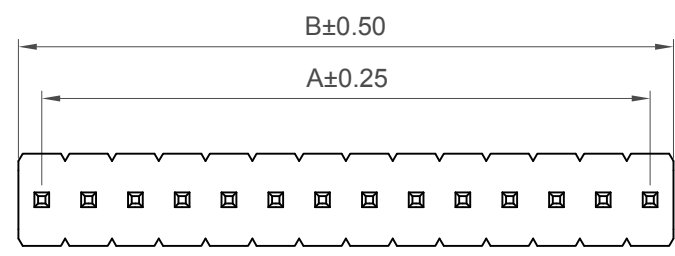
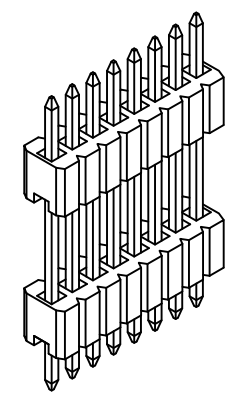


H
G
F
E
D
C
B
A



Recommended PCB Layout



Specifications

Material
Insulator:
 Options : Polymer , LCP, UL 94-V0 (Insulator Height H = A, B, E)
 Option: Polyamide , Nylon 6T, UL 94-V0 (Insulator Height H = K)
Contact: Copper Alloy

Plating
 Underplating: Nickel all over
 Contact Area: See Ordering Grid

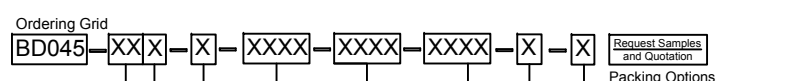
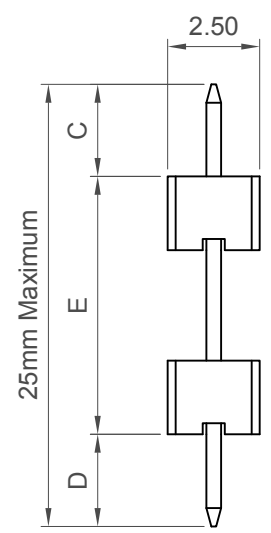
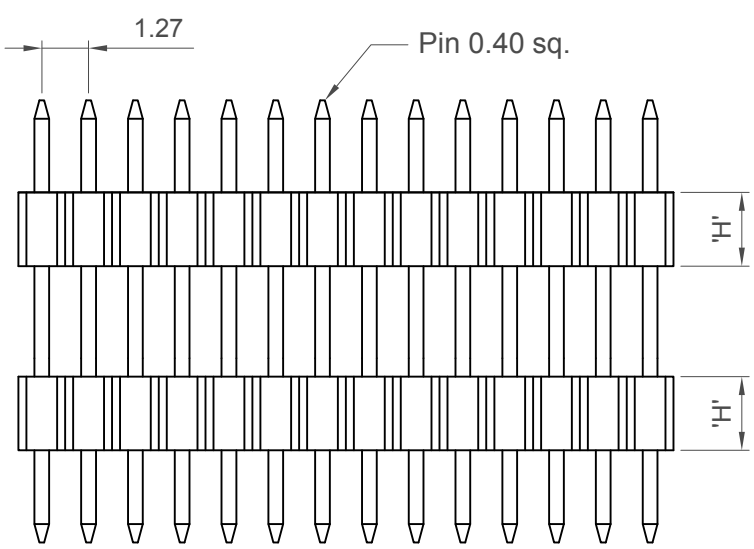
Electrical
 Current Rating: 1 Amp Per Pin
 Contact Resistance: 20 mΩ max.
 Insulating Resistance: 1000 MΩ min.
 Dielectric Withstand Voltage: 300V AC

Soldering Process:
 LCP (Option) -
 IR Reflow: 260°C for 10 sec.
 Wave: 250°C for 5-10 sec
 Manual Solder: 350°C for 3-5 sec
 Nylon 6T (Option) -
 IR Reflow: 260°C for 10 sec.
 Wave: 230°C for 5-10 sec
 Manual Solder: 350°C for 3-5 sec

Mechanical & Environmental
 Operating Temperature: -40°C to +105°C

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

BD074 Recommended mating length 1.50mm



Packing Options
 G = Plastic box (Standard)
 D = Tube
 E = Tube with Cap

Insulator Material
 L = LCP (Insulator H = A, B, E)
 N = Nylon 6T (Insulator H = K)

Dimension E (1/100mm)
 (Stack Height)
 Minimum = 2 x 'H'
 Please Specify Dimension E
 (See table opposite for standards)
 e.g. 2.5mm = 0250
 Tol +/- 0.2mm
 (Maximum 1500 = 15.00mm)

| Dimension Standards | |
|----------------------|-------------|
| Insulator Height 'H' | Dimension E |
| 1.00mm | 6.00mm |
| 1.50mm | 5.00mm |
| 2.00mm | 4.00mm |
| 2.54mm | 5.10mm |

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

Dimension D (1/100mm)
 (Tail Length)
 3.00mm = 0300 (Standard)
 or specify Dimension D
 e.g. 2.50mm = 0250
 Tol +/- 0.2mm
 (Maximum 0500 = 5.00mm)
 (Minimum 0050 = 0.50mm)

Insulator Height "H"
 E = 2.54mm (Standard)
 K = 1.00mm
 A = 1.50mm
 B = 2.00mm

Dimension C (1/100mm)
 (Post Height)
 1.50mm = 0150 (Standard)
 3.00mm = 0300 (Standard)
 or specify Dimension C
 e.g. 2.50mm = 0250
 Tol +/- 0.2mm
 (Maximum 0500 = 5.00mm)
 (Minimum 0050 = 0.50mm)

| | | | |
|--------------|-------------|--|---------------|
| Part Number | | Product Description | |
| BD045 | | 1.27mm Pitch Elevated Pin Header, Single Row, Through-Hole, Vertical | |
| Drawing Date | | 28th December 2007 | |
| By | CC | Tolerances (Except as Noted) | Units: |
| Detail | BD045 E PCN | Length: X. ± 0.30 | Metric (mm) |
| Revision | E2 | Angle: X.X° ± 0.20 | |
| Date | 07/09/17 | X.XX ± 0.15 | X.XX° ± 2° |
| | | X.XXX ± 0.10 | X.XX° ± 1° |
| | | | X.XXX° ± 0.5° |



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