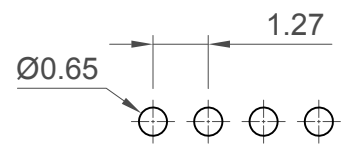
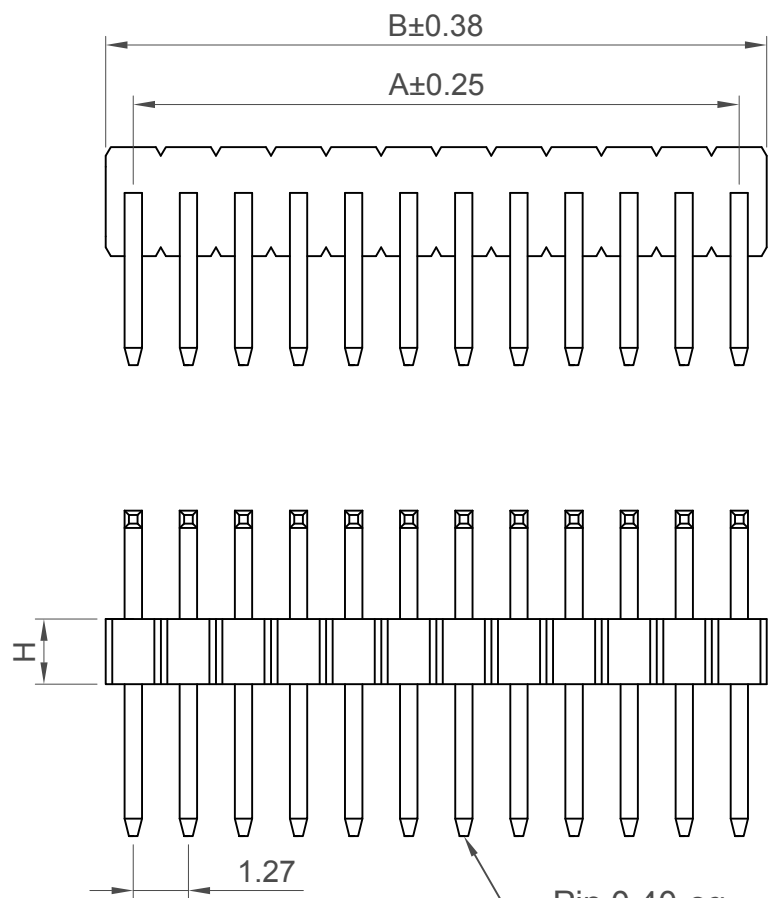
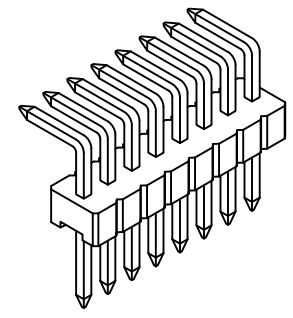


H
G
F
E
D
C
B
A



Recommended PCB Layout



Specifications

Material

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

Plating

See Ordering Grid

Electrical

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

Mechanical & Environmental

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

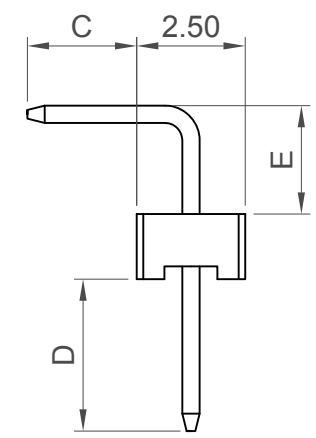
Soldering Process:

LCP (Standard) -
 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

Mates with (Subject to pin length):

BD074 BD075 BD080 BD090

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



Pin 0.40 sq.

Ordering Grid: **BD100-XXIX-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":
B = 2.00mm (Standard)
 K = 1.00mm
 A = 1.50mm

Dimension C (1/100mm) (Post Height):
0300 = 3.00mm (Standard)
 or specify Dimension C eg 0250 = 2.50mm (Maximum 0500=5.00mm) (Minimum 0100=1.00mm)

Dimension D (1/100mm) (Tail Length):
0300 = 3.00mm (Standard)
 or specify Dimension D eg 0250 = 2.50mm (Maximum 0800=8.00mm) (Minimum 0100=1.00mm)

Dimension E (1/100mm) (Insulator to Pin Bend):
0250 = 2.50mm (Standard)
 or specify Dimension E eg 0300 = 3.00mm (Maximum 0400=4.00mm) (Minimum 0060=0.60mm)

Packing Options:
G = Plastic Box (Standard)
 A = Tape and Reel
 D = Tube

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

Request Samples and Quotation

Part Number		Product Description	
BD100		1.27mm Pitch Pin Header, Single Row, Through-Hole, Horizontal	
Drawing Date		28th December 2007	
By	CC	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BD100 G PCN	Length: X. ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Angle: X° ± 5° X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°
Revision	G1	3rd Angle Projection	
Date	21/09/17	RoHS COMPLIANT 2011/65/ECU Deca-BIDE	

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Not to Scale
 Drawn By LYH
 Sheet No. 1/1