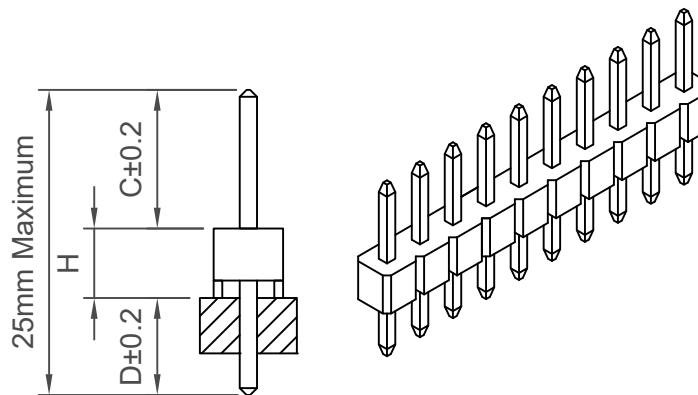
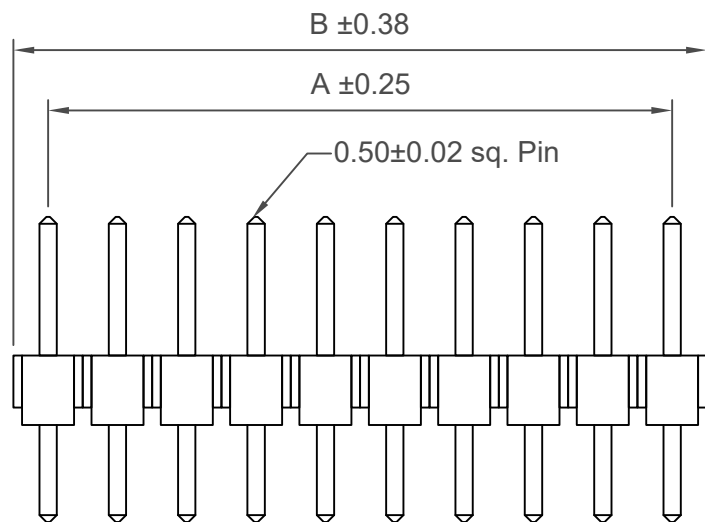


Recommended PCB Layout



No. of Contacts	Dimensions	
	A	B
2	2.0	4.0
3	4.0	6.0
4	6.0	8.0
5	8.0	10.0
6	10.0	12.0
7	12.0	14.0
8	14.0	16.0
9	16.0	18.0
10	18.0	20.0
11	20.0	22.0
12	22.0	24.0
13	24.0	26.0
14	26.0	28.0
15	28.0	30.0
16	30.0	32.0
17	32.0	34.0
18	34.0	36.0
19	36.0	38.0
20	38.0	40.0

No. of Contacts	Dimensions	
	A	B
21	40.0	42.0
22	42.0	44.0
23	44.0	46.0
24	46.0	48.0
25	48.0	50.0
26	50.0	52.0
27	52.0	54.0
28	54.0	56.0
29	56.0	58.0
30	58.0	60.0
31	60.0	62.0
32	62.0	64.0
33	64.0	66.0
34	66.0	68.0
35	68.0	70.0
36	70.0	72.0
37	72.0	74.0
38	74.0	76.0
39	76.0	78.0
40	78.0	80.0

Specifications

Material

Insulator material:  
Standard  
Polyamide, Nylon 6T, UL 94V-0  
Options:  
Polymer, LCP, UL 94V-0  
Polyester, PBT, UL 94V-0  
Contact Terminal : Copper Alloy

Plating

See Ordering Grid

Electrical

Current Rating: 2 Amp per pin  
Contact Resistance: 20 mΩ max.  
Insulation Resistance: 1000 MΩ min.  
Dielectric Withstand Voltage: 500 V AC

Mechanical & Environmental

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

Soldering process:

Nylon 6T (Standard) -  
IR Reflow: 260°C for 10 sec.  
Wave: 230°C for 5-10 sec.  
Manual solder: 350°C for 3-5 sec

LCP (Option) -

IR Reflow: 260°C for 10 sec.  
Wave: 250°C for 5-10 sec.  
Manual solder: 350°C for 3-5 sec

PBT (Option) -

Manual Solder: 330°C for 3-5 sec  
(Not Suitable for High Temperature Process)

Mates with (subject to pin length):

BF070 BF085 BF086 BF087 BF088 BF090

BF085 Recommended mating length 3.00mm

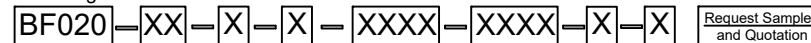
Contact Plating

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  
L = Matte Tin

Insulator Height 'H'

B = 2.00mm (Standard)  
A = 1.50mm

Ordering Grid



No. of Contacts  
02 to 40

Packing Options

G = Plastic Box (Standard)  
D = Tube  
E = Tube with Cap

Insulator Material

N = Nylon 6T (Standard)  
P = PBT  
L = LCP

Dimension D (1/100mm) (Tail Length)

0300 = 3.00mm (Standard)  
Or specify Custom Tail Length  
e.g. 2.50mm = 0250  
(Maximum 1500 = 15.00mm)  
(Minimum 0050 = 0.50mm)

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

0300 = 3.00mm (Standard)  
0400 = 4.00mm (Standard)  
0600 = 6.00mm (Standard)  
Or specify Custom Post Height  
eg 0250 = 2.50mm  
(Maximum 1500 = 15.00mm)  
(Minimum 0050 = 0.50mm)

Part Number		Product Description	
BF020		2.00mm Pitch Pin Header	
Drawing Date		Single Row, Through Hole, Vertical	
25th October 2007			
By	CC	Tolerances (Except as Noted)	Units:
Detail	BF020 D PCN	Length: X. ± 0.30 D: XX ± 0.20	Metric (mm)
Revision	D4	Angle: X.X° ± 5° X.XX° ± 2° X.XXX° ± 1°	
Date	17/03/22	X.XXX ± 0.10 X.XXX* ± 0.5*	3rd Angle Projection



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