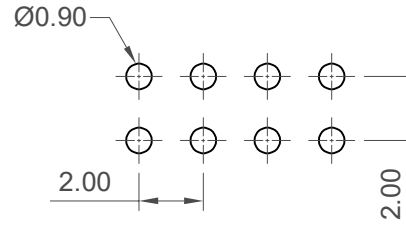
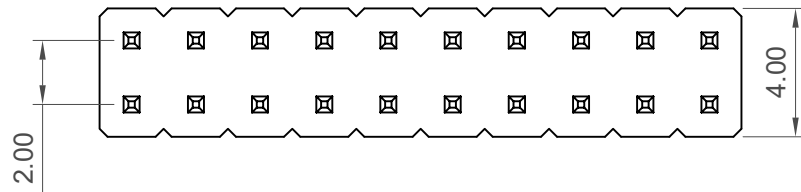
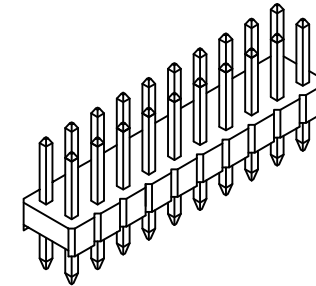


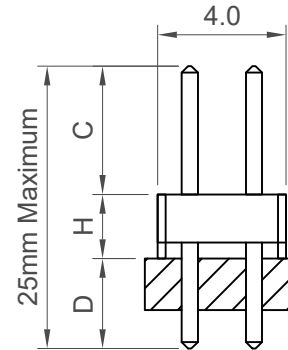
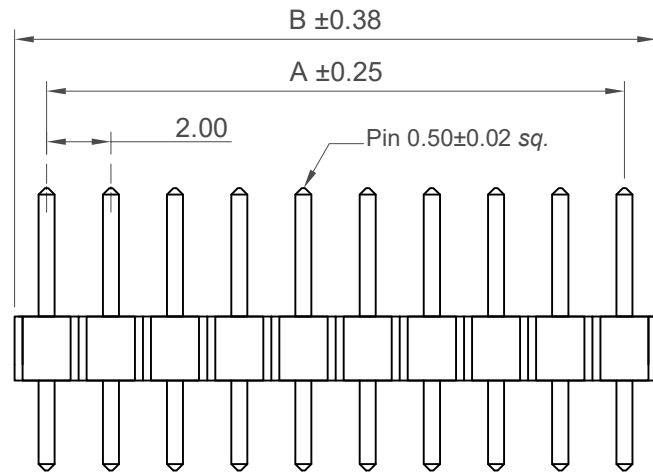
H
G
F
E
D
C
B
A



Recommended PCB Layout



No. of Contacts	Dimensions	
	A	B
4	2.0	4.0
6	4.0	6.0
8	6.0	8.0
10	8.0	10.0
12	10.0	12.0
14	12.0	14.0
16	14.0	16.0
18	16.0	18.0
20	18.0	20.0
22	20.0	22.0
24	22.0	24.0
26	24.0	26.0
28	26.0	28.0
30	28.0	30.0
32	30.0	32.0
34	32.0	34.0
36	34.0	36.0
38	36.0	38.0
40	38.0	40.0
42	40.0	42.0
44	42.0	44.0
46	44.0	46.0
48	46.0	48.0
50	48.0	50.0
52	50.0	52.0
54	52.0	54.0
56	54.0	56.0
58	56.0	58.0
60	58.0	60.0
62	60.0	62.0
64	62.0	64.0
66	64.0	66.0
68	66.0	68.0
70	68.0	70.0
72	70.0	72.0
74	72.0	74.0
76	74.0	76.0
78	76.0	78.0
80	78.0	80.0



Specifications

Material

Contact: Copper Alloy
Insulator:
Standard: Polyamide, High Temperature
Nylon, UL 94-V0
Option: Polymer, LCP, UL 94-V0

Plating

See Ordering Grid

Electrical

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

Mechanical & Environmental

Operating Temperature:
-40°C to +125°C (LCP)
-40°C to +105°C (High Temperature Nylon)

Soldering process:

High Temperature Nylon (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.

Mates with (Subject to pin length)

BF065 BF075 BF080 BF095
BF100 BF105 BF110 BF112
BF115 BF120 BF185

BF095 Recommended mating length 2.00mm
BF120 Recommended mating length 2.00mm

Ordering Grid

BF050	XX	X	X	XXXX	XXXX	X	X	Request Samples and Quotation
No. of Contacts								Packing Options
04 to 80								G = Plastic Box (Standard) B = Tape and Reel with Cap D = Tube E = Tube with Cap

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 H (1/100mm) (Insulator Height)
B = 2.00mm (Standard)
A = 1.5mm

Request Samples and Quotation

G = Plastic Box (Standard)
B = Tape and Reel with Cap
D = Tube
E = Tube with Cap
Insulator Material
N = High Temperature Nylon (Standard)
L = LCP

Dimension D (1/100mm) (Tail Length)
0300 = 3.00mm (Standard)
Or specify Custom Tail Length
eg 0250 = 2.50mm
(Maximum 1500 = 15.00mm)
(Minimum 0050 = 0.50mm)

Dimension C (1/100mm) (Post Length)
0200 = 2.00mm (Standard)
0400 = 4.00mm (Standard)
0600 = 6.00mm (Standard)
Or specify Custom Post Length
eg 0250 = 2.50mm
(Maximum 1500 = 15.00mm)
(Minimum 0050 = 0.50mm)

Part Number		Product Description	
BF050		2.00mm Pitch Pin Header, Dual Row, Through Hole, Vertical	
Drawing Date		31st October 2007	
By	MW	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BF050 F PCN	Length: X. ± 0.30 Angle: X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Units: Metric (mm) X.X ± 5° X.XX ± 2° X.XXX ± 1° X.XXX ± 0.5°
Revision	F3		
Date	31/12/25		

Halogen Free

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