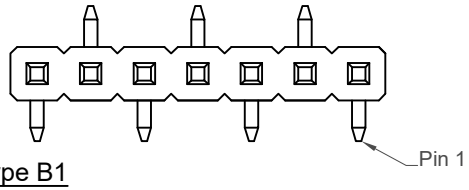
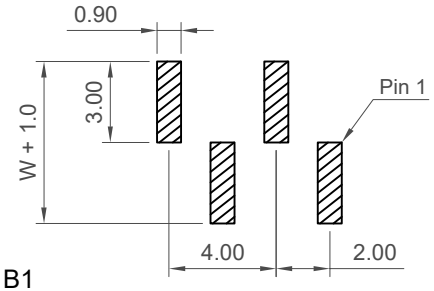


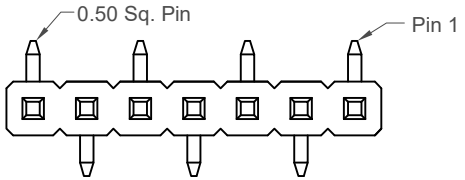
Type B1



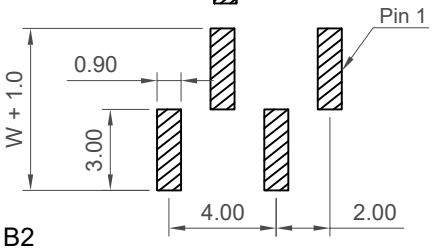
Type B1

Recommended PCB Layout

Solder Area



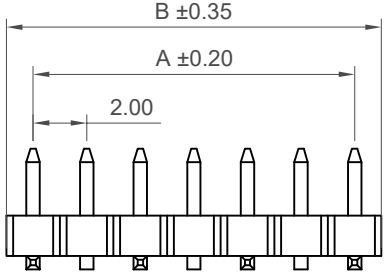
Type B2

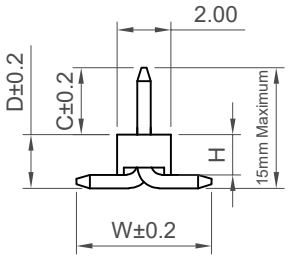


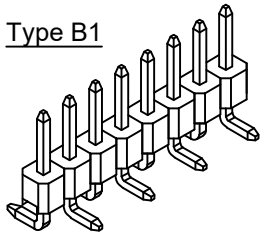
Type B2

Recommended PCB Layout

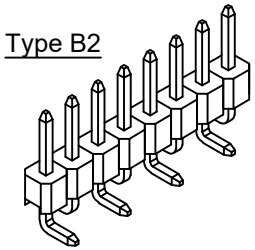
Solder Area







Type B1



Type B2

No. of Contacts	Dimensions	
	A	B
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
21	40.0	42.0

No. of Contacts	Dimensions	
	A	B
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

Ordering Grid

BF040 — XX X — X X — XXXX — XXXX — XXXX — X X

Request Samples and Quotation

No. of Contacts
03 to 40

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

Type
1 = Type B1
2 = Type B2

Dimension C *(1/100mm)* (Post Height)
0300 = 3.00mm ***(Standard)***
0400 = 4.00mm ***(Standard)***
0600 = 6.00mm ***(Standard)***
Or specify Dimension C
eg 0250 = 2.50mm
(Maximum 0800 = 8.00mm)
(Minimum 0100 = 1.00mm)

Dimension D *(1/100mm)* (PCB to Top of Insulator)
0260 = 2.60mm ***(Standard - Minimum for 'H' = B)***
0210 = 2.10mm ***(Standard - Minimum for 'H' = A)***
Or specify Dimension D
eg 0250 = 2.50mm

Dimension W *(1/100mm)* (Footprint Width)
0483 = 4.83mm ***(Standard)***
0500 = 5.00mm ***(Standard)***
Or specify Dimension W
eg 0250 = 2.50mm (Tooling charge may apply)

Insulator Material
N = High Temperature Nylon ***(Standard)***
L = LCP

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

Specifications

Material
Contact: Copper Alloy
Insulator:
Standard: Polyamide, High Temperature Nylon , UL 94V-0
Option: Polymer, LCP, UL 94V-0

Plating
See Ordering Grid

Electrical
Current Rating: 2 Amp per pin
Contact Resistance: 20 mΩ max.
Insulation Resistance: 1000 MΩ min.
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 & LCP)
IR Reflow: 260°C for 10 sec.
Manual Solder: 350°C for 3-5 sec.

Mates with *(Subject to pin length)*
BF070 BF085 BF086 BF087 BF088 BF090
Recommended mating length 3.00mm
BF085

Part Number	Product Description
BF040	2.00mm Pitch Pin Header, Single Row, Surface Mount
Drawing Date: 31st October 2007	

		Tolerances (Except as Noted)		Units:	
		Length	Angle		
By	MW	X.X ± 0.38	X.° ± 5°	Metric (mm)	Halogen Free
Detail	BF040 E PCN	X.XX ± 0.25	X.X° ± 2°		
Revision	E5	X.XXX ± 0.13	X.XX° ± 1°	3rd Angle Projection	
Date	30/12/25		X.XXX° ± 0.5°		

GCT
www.gct.co

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