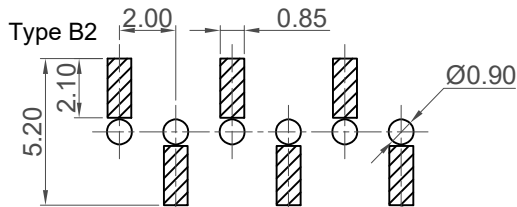
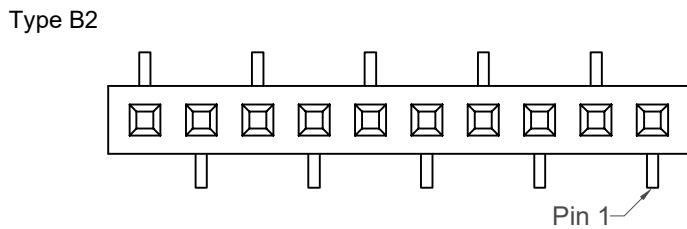


Recommended PCB Layout

Tolerance: ±0.05

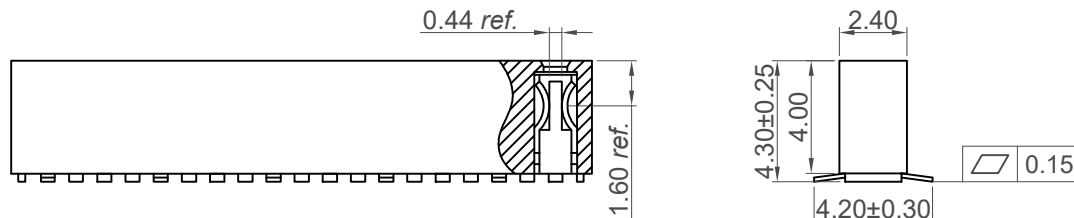
▨ Solder Area



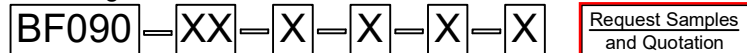
Recommended PCB Layout

Tolerance: ±0.05

▨ Solder Area



Ordering Grid



No. of Contacts
02 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

Type

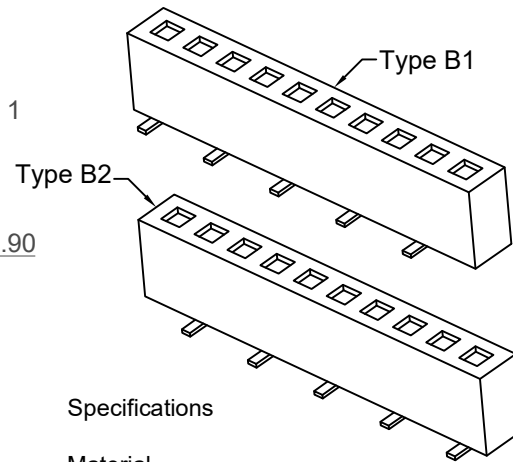
- 1 = Type B1
- 2 = Type B2

Packing Options

- C = Tape & Reel with Film (Standard)
- B = Tape & Reel with Cap
- D = Tube
- E = Tube with Cap
- F = Tube with Film

Insulator Material

- N = High Temperature Nylon (Standard)
- L = LCP



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

- BF020 BF021 BF025 BF035 BF036
- BF040 BF130

No. of Contacts	Dimensions	
	A	B
2	2.0	4.6
3	4.0	6.6
4	6.0	8.6
5	8.0	10.6
6	10.0	12.6
7	12.0	14.6
8	14.0	16.6
9	16.0	18.6
10	18.0	20.6
11	20.0	22.6
12	22.0	24.6
13	24.0	26.6
14	26.0	28.6
15	28.0	30.6
16	30.0	32.6
17	32.0	34.6
18	34.0	36.6
19	36.0	38.6
20	38.0	40.6
21	40.0	42.6
22	42.0	44.6
23	44.0	46.6
24	46.0	48.6
25	48.0	50.6
26	50.0	52.6
27	52.0	54.6
28	54.0	56.6
29	56.0	58.6
30	58.0	60.6
31	60.0	62.6
32	62.0	64.6
33	64.0	66.6
34	66.0	68.6
35	68.0	70.6
36	70.0	72.6
37	72.0	74.6
38	74.0	76.6
39	76.0	78.6
40	78.0	80.6

Part Number		Product Description			
BF090		2.00mm Pitch Socket, Single Row, Surface Mount, Dual Entry			
Drawing Date		31th October 2007			
By	MW	Tolerances (Except as Noted)	Units: Metric (mm)		
Detail	BF090 F PCN	Length: X ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Angle: X° ± 5° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°		
Revision	F2	3rd Angle Projection			
Date	26/03/26	<table border="1"> <tr> <td>Halogen Free</td> <td>©</td> </tr> </table>		Halogen Free	©
Halogen Free	©				



This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E & OE

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