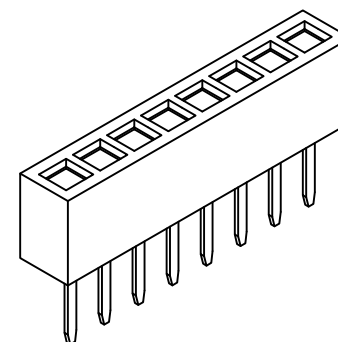
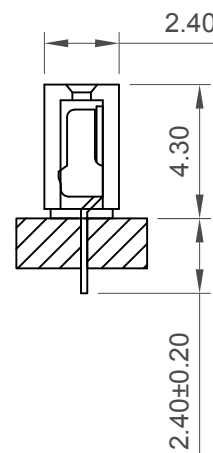
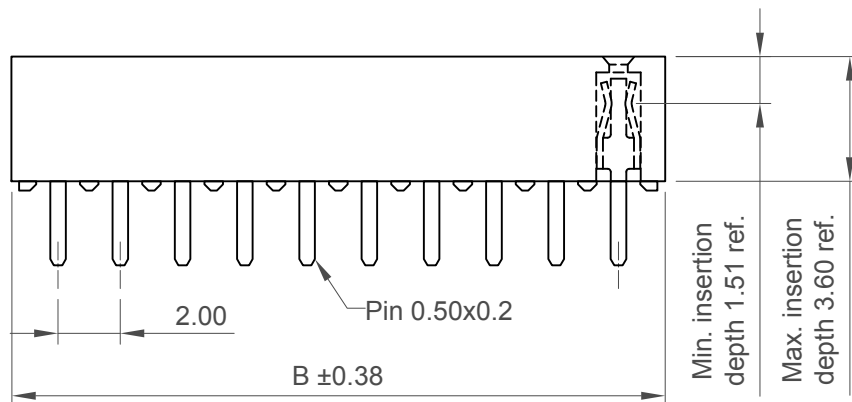


Recommended PCB Layout



No. of Contacts	Dimension	
	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

Specifications

Material

Insulator:
Standard: Polyamide, Nylon 6T, UL94V-0
Options: Polymer, LCP, UL94V-0
Contact : Phosphor Bronze

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 3-5sec
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)

BF020 BF021 BF025 BF035
BF036 BF040 BF130

Ordering Grid

BF085-XX-X-0240-X-X

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

Insulator Material
N = Nylon 6T (Standard)
L = LCP

Tail Length (1/100mm)
0240 = 2.40mm

Packing Options

D = Tube (Standard)
B = Tape & Reel with Cap
E = Tube with Cap
F = Tube with Film
G = Plastic Box
For 2 and 3 contacts option G only.

Part Number		Product Description	
BF085		2.0mm Pitch Socket, Single Row, Through Hole, Vertical	
Drawing Date		31st October 2007	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BF085 G PCN	Length X. ± 0.30 Angle X.X" ± 5°	Metric (mm)
Revision	G3	X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	3rd Angle Projection
Date	19/06/18	X.XX" ± 2° X.XX" ± 1° X.XXX" ± 0.5°	



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

GCT
www.gct.co

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

GCT:

BF085-03-A-0240-N-G	BF085-04-A-0240-N-D	BF085-05-A-0240-N-D	BF085-07-A-0240-N-D	BF085-08-A-0240-N-D
BF085-09-A-0240-N-D	BF085-11-A-0240-N-D	BF085-12-A-0240-N-D	BF085-13-A-0240-N-D	BF085-14-A-0240-N-D
BF085-15-A-0240-N-D	BF085-16-A-0240-N-D	BF085-17-A-0240-N-D	BF085-18-A-0240-N-D	BF085-19-A-0240-N-D
BF085-20-A-0240-N-D	BF085-21-A-0240-N-D	BF085-22-A-0240-N-D	BF085-23-A-0240-N-D	BF085-24-A-0240-N-D
BF085-25-A-0240-N-D	BF085-26-A-0240-N-D	BF085-27-A-0240-N-D	BF085-28-A-0240-N-D	BF085-29-A-0240-N-D
BF085-30-A-0240-N-D	BF085-31-A-0240-N-D	BF085-32-A-0240-N-D	BF085-33-A-0240-N-D	BF085-34-A-0240-N-D
BF085-35-A-0240-N-D	BF085-36-A-0240-N-D	BF085-37-A-0240-N-D	BF085-38-A-0240-N-D	BF085-39-A-0240-N-D
BF085-40-A-0240-N-D				