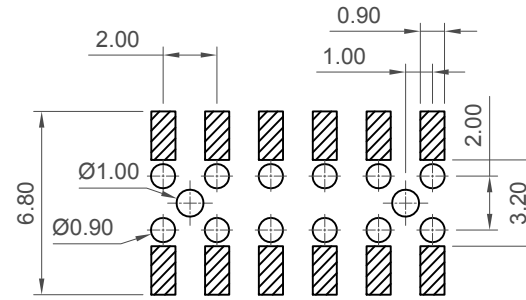


Recommended PCB Layout

Top Entry General Tolerance: ±0.05

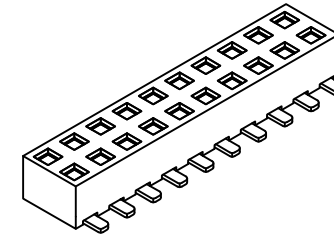
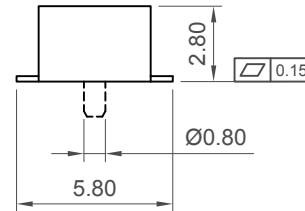
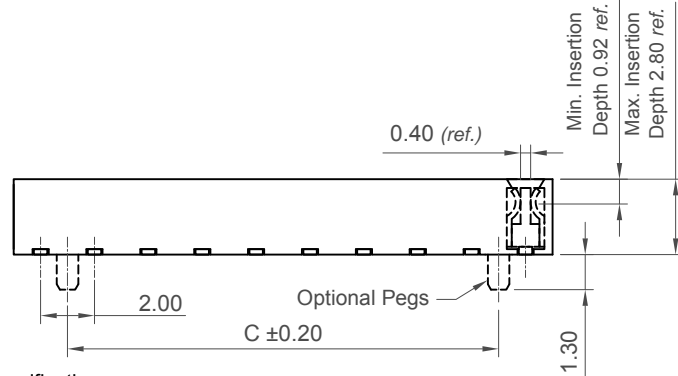
☐ Solder Area



Recommended PCB Layout

Bottom Entry General Tolerance: ±0.05

☐ Solder Area



Number of Contacts	Dimensions		
	A	B	C
4	2.0	4.0	n/a
6	4.0	6.0	2.0
8	6.0	8.0	4.0
10	8.0	10.0	6.0
12	10.0	12.0	8.0
14	12.0	14.0	10.0
16	14.0	16.0	12.0
18	16.0	18.0	14.0
20	18.0	20.0	16.0
22	20.0	22.0	18.0
24	22.0	24.0	20.0
26	24.0	26.0	22.0
28	26.0	28.0	24.0
30	28.0	30.0	26.0
32	30.0	32.0	28.0
34	32.0	34.0	30.0
36	34.0	36.0	32.0
38	36.0	38.0	34.0
40	38.0	40.0	36.0
42	40.0	42.0	38.0
44	42.0	44.0	40.0
46	44.0	46.0	42.0
48	46.0	48.0	44.0
50	48.0	50.0	46.0
52	50.0	52.0	48.0
54	52.0	54.0	50.0
56	54.0	56.0	52.0
58	56.0	58.0	54.0
60	58.0	60.0	56.0
62	60.0	62.0	58.0
64	62.0	64.0	60.0
66	64.0	66.0	62.0
68	66.0	68.0	64.0
70	68.0	70.0	66.0

Specifications

Material

Insulator:
 Standard: Polyamide, Nylon 6T, UL 94V-0
 Option: Polyester, LCP, UL 94V-0
 Contact: Copper Alloy

Plating

Contact: See Ordering Grid

Electrical

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

Mechanical & Environmental

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

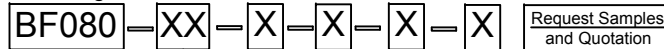
Nylon 6T (Standard) -

IR Reflow: 260°C for 10 sec.
 Manual Solder: 350°C for 3-5 sec

LCP (Option) -

IR Reflow: 260°C for 10 sec.
 Manual Solder: 350°C for 3-5 sec

Ordering Grid



No. of Contacts
04 to 70

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

Packing Options

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

Insulator Material

N = Nylon 6T (Standard)
L = LCP

Locating Peg

0 = No Peg
 1 = With Peg

Mates with (Subject to pin length)

BF030 BF045 BF050 BF055
 BF060 BF135 BF140 BF145

For bottom entry applications, stringent soldering control & pin alignment are required as lead to pad misalignment could cause incorrect mating.

Part Number		Product Description	
BF080		2.00mm Pitch Socket	
Drawing Date		Dual Row, Surface Mount, Low Profile, Dual Entry	
31st October 2007			
By	CC	Tolerances (Except as Noted)	Units:
Detail	BF080 E PCN	Length X. ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Metric (mm)
Revision	E2	Angle X° ± 5° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°	RoHS COMPLIANT 2011/65/EU Deca-BDE
Date	17/11/17	3rd Angle Projection	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
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