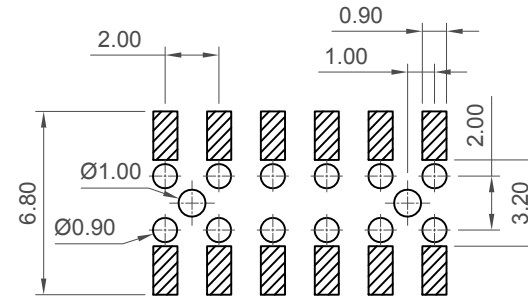


**Recommended PCB Layout**

Top Entry General Tolerance: ±0.05

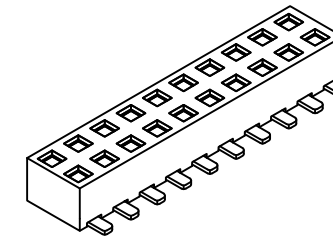
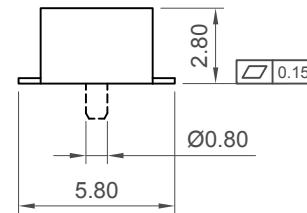
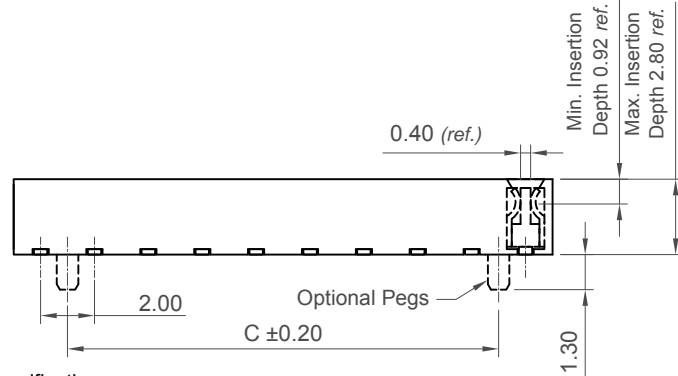
☐ Solder Area



**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

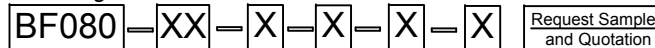
**Mechanical & Environmental**

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 BF080		Product Description 2.00mm Pitch Socket Dual Row, Surface Mount, Low Profile, Dual Entry	
Drawing Date 31st October 2007			
By	CC	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BF080 E PCN	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	E2	3rd Angle Projection	
Date	17/11/17		
<p>This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent. E &amp; OE</p>			
		<a href="http://www.gct.co">www.gct.co</a>	
Not to Scale	Drawn By LYH	Sheet No. 1/1	