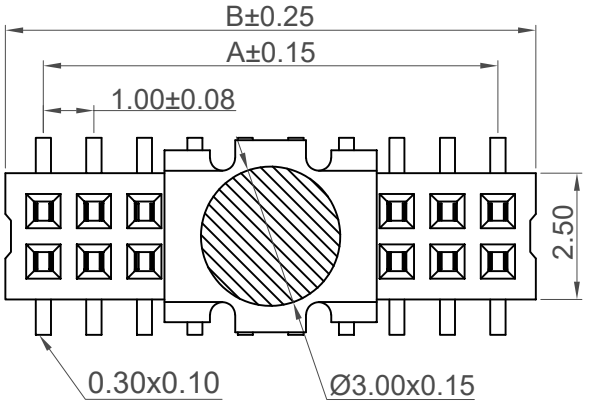
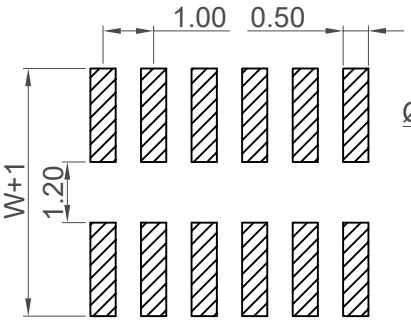


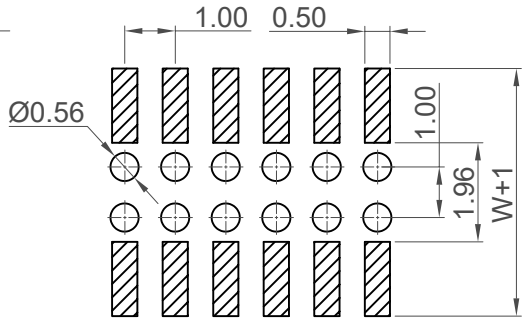


Recommended PCB Layout

For Top Entry

General Tolerance: ±0.05

Solder Area

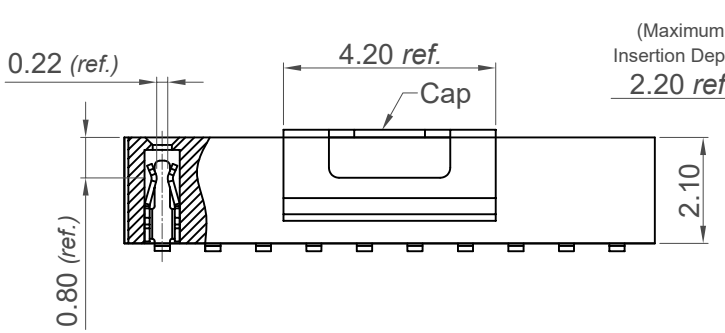


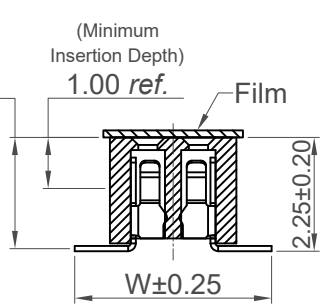
Recommended PCB Layout

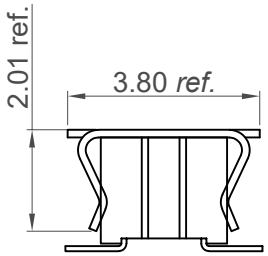
For Bottom Entry

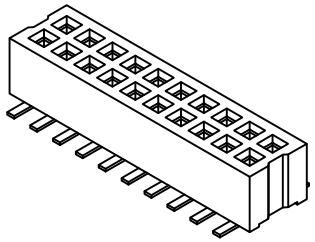
General Tolerance: ±0.05

Solder Area









Ordering Grid

BC085 — XX — X — XXXX — L — X

Request Samples and Quotation

No. of Contacts
04 to 80

Contact Plating
A = Gold Flash All Over *(Standard)*
C = Tin All Over

Dimension W (1/100mm) (Footprint Width)
0390 = 3.90mm *(Standard)*
0300 = 3.00mm

Packing Options
B = Tape and Reel with Cap*(Standard)*
C = Tape and Reel with Film
D = Tube
E = Tube with Cap *(Unavailable for 4 / 6 contacts)*
F = Tube with Film *(Unavailable for 4 contacts)*

Insulator Material
L = LCP

Specifications

Material
Insulator: LCP, UL94V-0, Black
Contact: Phosphor Bronze

Plating
See ordering grid

Electrical
Current Rating: 1A *per contact*
Contact Resistance: 20 mΩ max.
Insulating Resistance: 500 MΩ min.
Dielectric Withstand Voltage: 200V AC

Mechanical & Environmental
Operating Temperature: -40°C to +125°C
Soldering Process:
IR Reflow: 260°C for 10 sec.
Manual Solder: 350°C for 3-5 sec

Mates with*(subject to pin length)*:
BC035 BC036 BC040 BC045
BC050 BC055 BC057

No. of Contacts	Dimensions	
	A	B
4	1.00	2.50
6	2.00	3.50
8	3.00	4.50
10	4.00	5.50
12	5.00	6.50
14	6.00	7.50
16	7.00	8.50
18	8.00	9.50
20	9.00	10.50
22	10.00	11.50
24	11.00	12.50
26	12.00	13.50
28	13.00	14.50
30	14.00	15.50
32	15.00	16.50
34	16.00	17.50
36	17.00	18.50
38	18.00	19.50
40	19.00	20.50
42	20.00	21.50
44	21.00	22.50
46	22.00	23.50
48	23.00	24.50
50	24.00	25.50
52	25.00	26.50
54	26.00	27.50
56	27.00	28.50
58	28.00	29.50
60	29.00	30.50
62	30.00	31.50
64	31.00	32.50
66	32.00	33.50
68	33.00	34.50
70	34.00	35.50
72	35.00	36.50
74	36.00	37.50
76	37.00	38.50
78	38.00	39.50
80	39.00	40.50

Part Number: BC085		Product Description: 1.00mm Pitch Socket, Dual Entry Dual Row, Surface Mount, Vertical					
Drawing Date: 20th May 2008							
By	KY	Tolerances (Except as Noted)		Units: Metric (mm)	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	GCT www.gct.co
Detail	BC085 F PCN	Length: X. ± 0.30, X.X ± 0.25, X.XX ± 0.15, X.XXX ± 0.10	Angle: X.° ± 5°, X.X° ± 2°, X.XX° ± 1°, X.XXX° ± 0.5°	3rd Angle Projection			
Revision	F6						
Date	29/08/25						Not to Scale / Drawn By AJO / Sheet No. 1/1