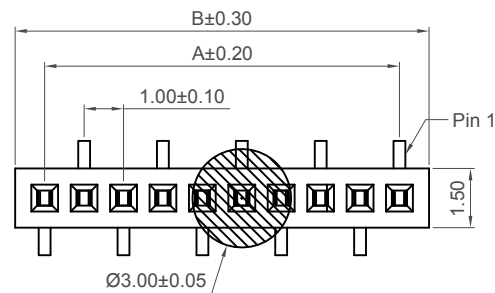
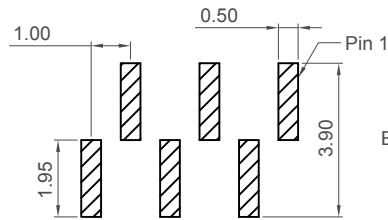


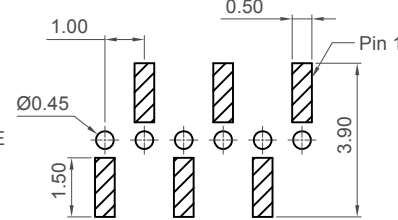
H
G
F
E
D
C
B
A



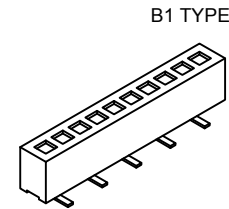
B1 TYPE



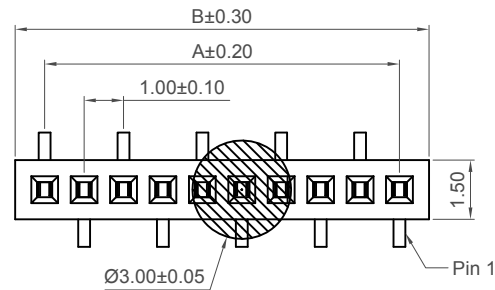
TOP ENTRY LAYOUT



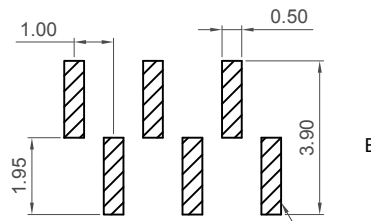
BOTTOM ENTRY LAYOUT



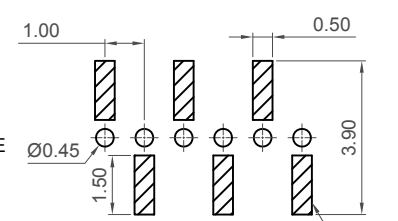
B1 TYPE



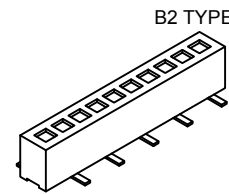
B2 TYPE



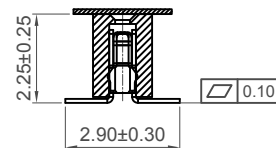
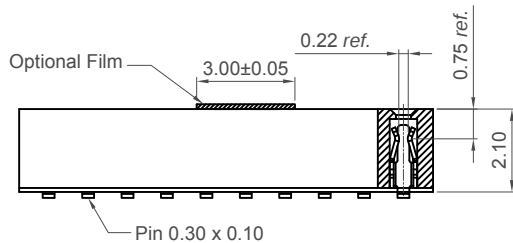
TOP ENTRY LAYOUT



BOTTOM ENTRY LAYOUT



B2 TYPE



Recommended PCB Layout

General Tolerance: ±0.05

▨ Solder Area

Ordering Grid

BC070-XX-X-X-L-X

Request Samples and Quotation

No. of Contacts
02 to 40

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

Packing Options

C = Tape and Reel with Film (Standard)

D = Tube

F = Tube with Film

Insulator Material
L = LCP (Standard)

Type
1 = B1 Type
2 = B2 Type

Specifications

Material

Contact : Phosphor Bronze

Insulator :

Standard: Polymer, LCP, UL 94-V0

Plating

See Ordering Grid

Electrical

Current Rating : 1 Amp Per Pin

Insulation Resistance: 1000 MΩ min

Contact Resistance: 40 mΩ max.

Dielectric Withstand Voltage: AC 300 V

Mechanical & Environmental

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

Soldering Process:

LCP (Standard) -

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)

BC020 BC025 BC030 BC032

BC034 BC090

No. of Contacts	Dimensions	
	A	B
2	1.00	2.50
3	2.00	3.50
4	3.00	4.50
5	4.00	5.50
6	5.00	6.50
7	6.00	7.50
8	7.00	8.50
9	8.00	9.50
10	9.00	10.50
11	10.00	11.50
12	11.00	12.50
13	12.00	13.50
14	13.00	14.50
15	14.00	15.50
16	15.00	16.50
17	16.00	17.50
18	17.00	18.50
19	18.00	19.50
20	19.00	20.50
21	20.00	21.50
22	21.00	22.50
23	22.00	23.50
24	23.00	24.50
25	24.00	25.50
26	25.00	26.50
27	26.00	27.50
28	27.00	28.50
29	28.00	29.50
30	29.00	30.50
31	30.00	31.50
32	31.00	32.50
33	32.00	33.50
34	33.00	34.50
35	34.00	35.50
36	35.00	36.50
37	36.00	37.50
38	37.00	38.50
39	38.00	39.50
40	39.00	40.50

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

Part Number BC070		Product Description 1.00mm Pitch Socket, Single Row, Surface Mount, Vertical, Dual Entry	
Drawing Date 20th May 2008			
By	CC	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BC070 D PCN	Length X. ± 0.30 X.X ± 0.25 X.XX ± 0.15 X.XXX ± 0.10	Angle X.° ± 5° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°
Revision	D1		
Date	19/07/17		



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 ASE
Sheet No. 1/1

Mouser Electronics

Authorized Distributor

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

[GCT:](#)

[BC070-02-A-1-L-C](#) [BC070-04-A-1-L-C](#)