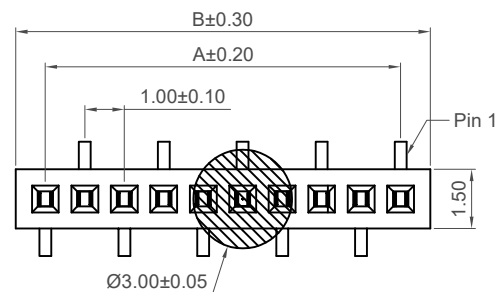
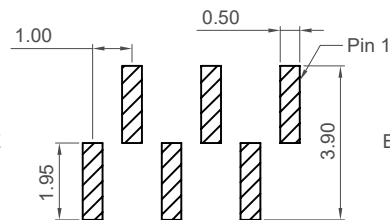


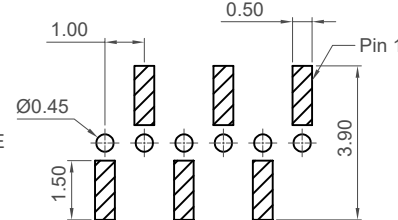
H
G
F
E
D
C
B
A



B1 TYPE

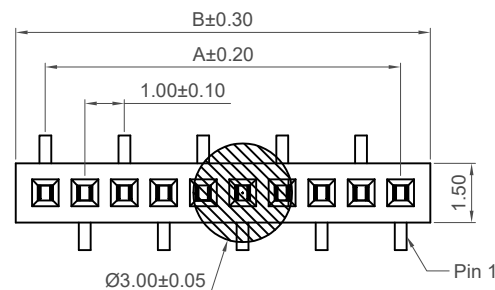
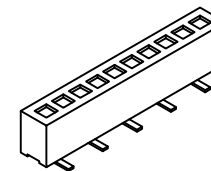


TOP ENTRY LAYOUT

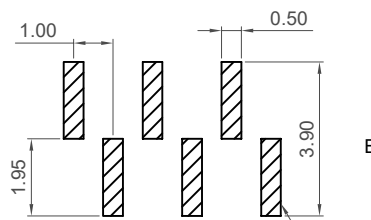


BOTTOM ENTRY LAYOUT

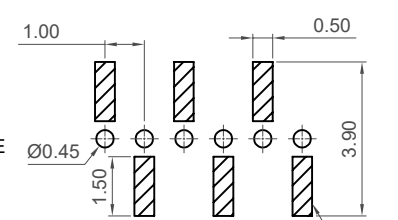
B1 TYPE



B2 TYPE

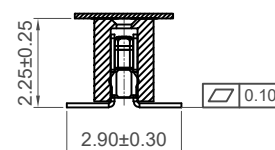
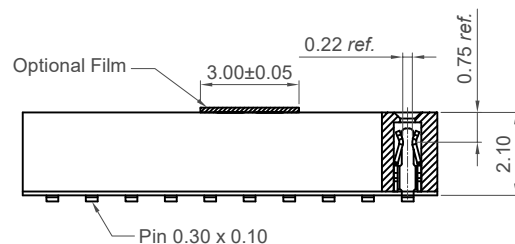
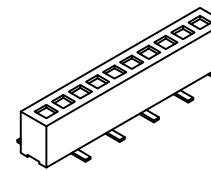


TOP ENTRY LAYOUT



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

Type
1 = B1 Type
2 = B2 Type

Specifications

Material

Contact: Phosphor Bronze
Insulator: 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: 300V 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)

BC020 BC025 BC030 BC032
BC034 BC090

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

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

Part Number BC070		Product Description 1.00mm Pitch Socket, Single Row, Surface Mount, Vertical, Dual Entry	
Drawing Date 20th May 2008			
By Detail	MW BC070 D PCN	Tolerances (Except as Noted) Length X. ± 0.30 X.X ± 0.25 X.XX ± 0.15 X.XXX ± 0.10	Units: Metric (mm) 3rd Angle Projection
Revision Date	D2 29/12/25	Angle X° ± 5° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°	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		
Not to Scale	Drawn By ASE	Sheet No. 1/1