



Recommended PCB Layout

Tolerance: ±0.05

☒ Solder Area

No. of Contacts	Dimensions	
	A	B
2	1.00	2.00
3	2.00	3.00
4	3.00	4.00
5	4.00	5.00
6	5.00	6.00
7	6.00	7.00
8	7.00	8.00
9	8.00	9.00
10	9.00	10.00
11	10.00	11.00
12	11.00	12.00
13	12.00	13.00
14	13.00	14.00
15	14.00	15.00
16	15.00	16.00
17	16.00	17.00
18	17.00	18.00
19	18.00	19.00
20	19.00	20.00
21	20.00	21.00
22	21.00	22.00
23	22.00	23.00
24	23.00	24.00
25	24.00	25.00
26	25.00	26.00
27	26.00	27.00
28	27.00	28.00
29	28.00	29.00
30	29.00	30.00
31	30.00	31.00
32	31.00	32.00
33	32.00	33.00
34	33.00	34.00
35	34.00	35.00
36	35.00	36.00
37	36.00	37.00
38	37.00	38.00
39	38.00	39.00
40	39.00	40.00

Specifications

Material
 Contact: Phosphor Bronze
 Insulator: Polymer, LCP, UL 94-V0

Plating
 Gold Flash All Over

Electrical
 Current Rating: 1 Amp Per Pin
 Insulation Resistance: 1000 MΩ min
 Contact Resistance: 20 mΩ max.
 Dielectric Withstand Voltage: AC 300 V

Mechanical & Environmental
 Operating Temperature: -40°C to +105°C

Ordering Grid

BC034-XX-A-X-XXXX-L-X Request Samples and Quotation

No. of Contacts
02 to 40

Contact Plating
 A = Gold Flash All Over (Standard)

Dimension H (1/100mm) (Insulator Height)
 V = 1.50mm (Standard)
 K = 1.27mm

Soldering Process:
 LCP (Standard) -
 IR Reflow: 260°C for 10 sec.
 Manual Solder: 350°C for 3-5 sec

Mates with (Subject to pin length)
 BC065 BC070 BC075
Perfect Planar Mating with (Only Insulator Height V=1.50mm)
 BC075

Packing Options
 C = Tape and Reel with Film (Standard)
 D = Tube (unavailable in 2, 3 and 4 contacts)
 E = Tube with Cap (unavailable in 2, 3 and 4 contacts)
 G = Plastic Box (only available in 2, 3 and 4 contacts)

Insulator Material
 L = LCP (Standard)

Dimension C (1/100mm) (Post Length)
 0150 = 1.50mm (Standard)
 or specify Custom Post Length
 e.g. 2.50mm = 0250
 Tol +/- 0.2mm
 (Maximum 0600=6.00 mm)
 (Minimum 0100=1.00 mm)

Part Number		Product Description			www.gct.co
BC034		1.00mm Pitch Pin Header, Single Row, Surface Mount, Horizontal			
Drawing Date		20th May 2008			
By	KY	Tolerances (Except as Noted)	Units: Metric (mm)		© 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
Detail	BC034 E PCN	Length X. ± 0.30	Angle X.° ± 5°		
Revision	E3	X.X ± 0.25	X.XX° ± 3°		
Date	18/06/24	X.XX ± 0.15	X.XX° ± 2°		
		X.XXX ± 0.10	X.XXX° ± 1°		
Not to Scale		Drawn By ASE	Sheet No. 1/1		