



**Specifications**

**Material**

Insulator: Polymer LCP, UL94V-0, Black  
Contact: Copper Alloy

**Plating**

See Ordering Grid

**Electrical**

Current Rating: 1 Amp *per pin*  
Contact Resistance: 20 mΩ max.  
Insulating Resistance: 1000 MΩ min.  
Dielectric Withstand Voltage: 300V AC

**Mechanical & Environmental**

Operating Temperature: -40°C to +105°C  
Soldering Process:  
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)**

BC084 BC085

Number of Contacts	Dimensions		
	A	B	C
4	1.00	2.00	---
6	2.00	3.00	---
8	3.00	4.00	---
10	4.00	5.00	3.00
12	5.00	6.00	4.00
14	6.00	7.00	5.00
16	7.00	8.00	6.00
18	8.00	9.00	7.00
20	9.00	10.00	8.00
22	10.00	11.00	9.00
24	11.00	12.00	10.00
26	12.00	13.00	11.00
28	13.00	14.00	12.00
30	14.00	15.00	13.00
32	15.00	16.00	14.00
34	16.00	17.00	15.00
36	17.00	18.00	16.00
38	18.00	19.00	17.00
40	19.00	20.00	18.00
42	20.00	21.00	19.00
44	21.00	22.00	20.00
46	22.00	23.00	21.00
48	23.00	24.00	22.00
50	24.00	25.00	23.00
52	25.00	26.00	24.00
54	26.00	27.00	25.00
56	27.00	28.00	26.00
58	28.00	29.00	27.00
60	29.00	30.00	28.00
62	30.00	31.00	29.00
64	31.00	32.00	30.00
66	32.00	33.00	31.00
68	33.00	34.00	32.00
70	34.00	35.00	33.00
72	35.00	36.00	34.00
74	36.00	37.00	35.00
76	37.00	38.00	36.00
78	38.00	39.00	37.00
80	39.00	40.00	38.00

**Ordering Grid**  
 BC050-XX-X-XXXX-XXXX-XXXX-LX

**No. of Contacts**  
04 to 80

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

**Insulator Height 'H'**  
 K = 1.00mm (Standard)  
 A = 1.50mm

**Locating Peg**  
 0 = No Peg  
 1 = With Peg

**Dimension F (1/100mm) (Post Height)**  
 0200 = 2.00mm (Standard)  
 0380 = 3.80mm (Standard)  
 or specify custom post height  
 eg. 0250 = 2.50mm  
 (Maximum 0500=5.00mm)  
 (Minimum 0100=1.00mm)

**Dimension E (1/100mm) (Footprint Width)**  
 0480 = 4.80mm (Standard)  
 or specify custom footprint width  
 eg. 0250 = 2.50mm  
 (Tooling charge may apply)

**Dimension D (1/100mm) (Top of Insulator to Bottom of Pin)**  
 0160 = 1.60mm (Standard when H=K)  
 0200 = 2.00mm (Standard when H=A)  
 or specify custom length  
 eg. 0250 = 2.50mm  
 (Minimum 0140=1.40mm when H=K)  
 (Minimum 0190=1.90mm when H=A)

**Packing Options**  
 B = Tape & Reel with Cap (Standard)  
 D = Tube (Available in 08-80 contacts)  
 E = Tube with Cap (Available in 08-80 contacts)  
 G = Plastic Box (Available in 04-06 contacts)

**Insulator Material**  
 L = LCP

**Request Samples and Quotation**

Part Number		Product Description	
BC050		1.0mm Pitch Pin Header, Dual Row, Surface Mount, Vertical	
Drawing Date		20th May 2008	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BC050 F PCN	Length X. ± 0.30 X.X ± 0.25 X.XX ± 0.15 X.XXX ± 0.10	Metric (mm)
Revision	F5	Angle X° ± 5° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°	3rd Angle Projection
Date	30/12/22		



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Not to Scale	Drawn By ASE	Sheet No. 1/1
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