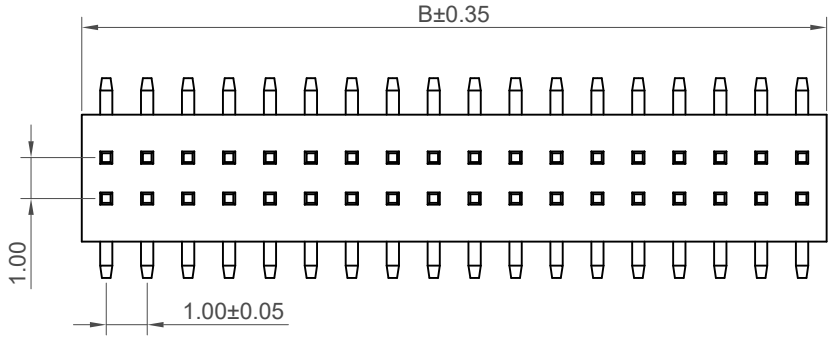
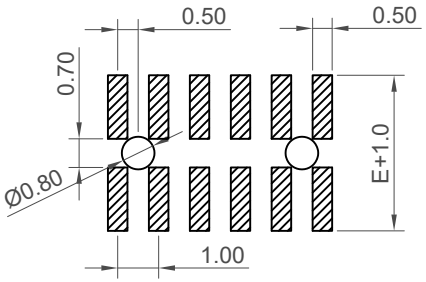
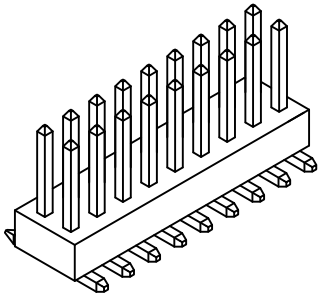
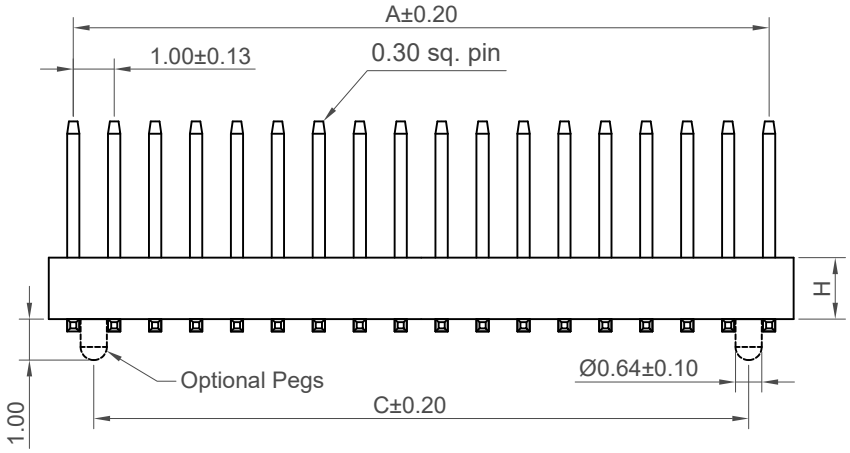


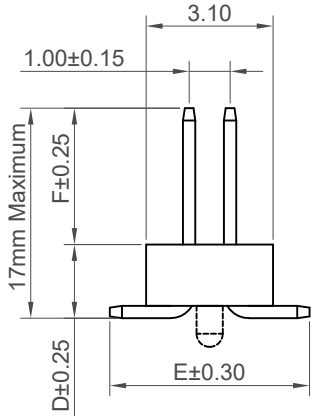


Recommended PCB Layout

Solder Area







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

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

Ordering Grid

BC050 — XX X — X X — XXXX — XXXX — 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

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 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)

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

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

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: Metric (mm)	RoHS COMPLIANT 2011/65/EU Deca-BDE	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	BC050 F PCN	Length	Angle	3rd Angle Projection				
Revision	F5	X. ± 0.30 X.X ± 0.25 X.XX ± 0.15 X.XXX ± 0.10	X.° ± 5° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°				Not to Scale	Drawn By ASE	Sheet No. 1/1
Date	30/12/22							

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