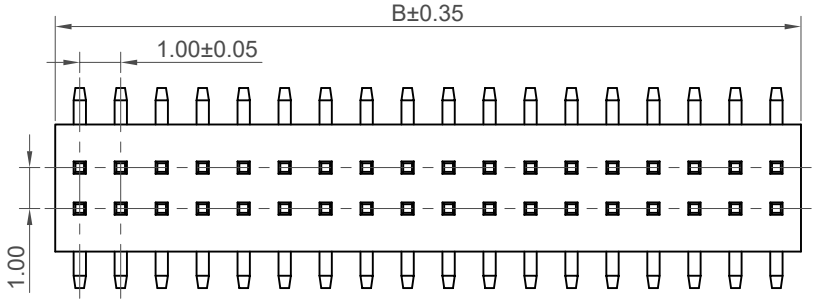
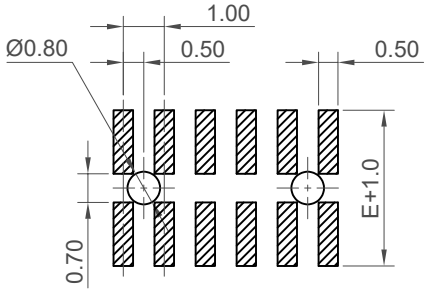
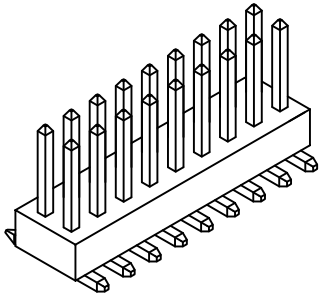
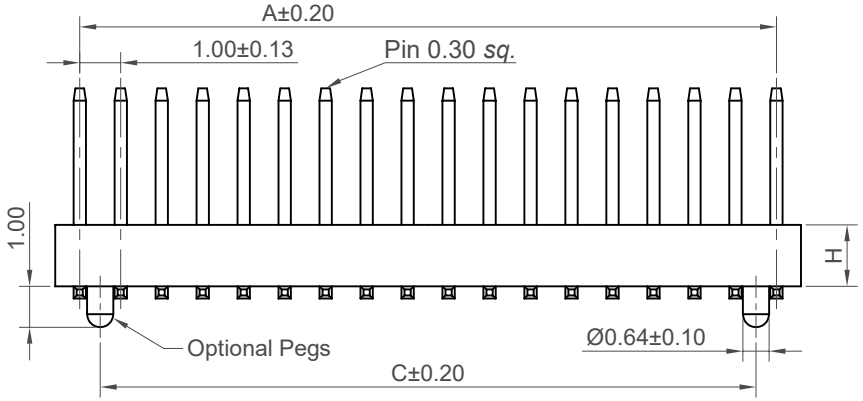
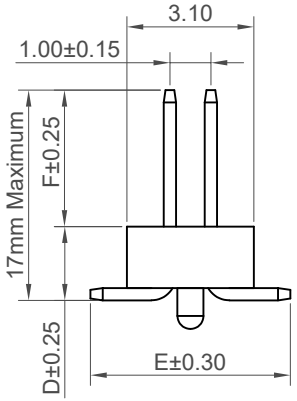




Recommended PCB Layout
Solder Area







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
Gold Flash All Over

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 A — 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)

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)

Insulator Material
L = LCP

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)*

Part Number	Product Description
BC050	1.0mm Pitch Pin Header, Dual Row, Surface Mount, Vertical
Drawing Date: 20th May 2008	

		Tolerances (Except as Noted)		Units:		
		Length	Angle	Metric (mm)		
By	KY	X. ± 0.30	X.° ± 5°		RoHS COMPLIANT 2011/65/EU Deca-BDE	
Detail	BC050 F PCN	X.X ± 0.25	X.X° ± 3°	3rd Angle Projection		
Revision	F6	X.XX ± 0.15	X.XX° ± 2°			
Date	21/06/24	X.XXX ± 0.10	X.XXX° ± 1°			

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

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Global Connector Technology:

05-22-A-0050-A-4-06-4-T 05-30-D-0050-A-4-06-4-T FFC2B35-24-T BG300-04-A-L-A
05-28-A-0203-A-4-06-4-T BD080-10-A-0230-L-D BF030-06A-B0-0200-0277-0600-L-B
BF030-06A-B0-0360-0277-0600-L-B BF121-04-A-0-L-C USB4500-03-0-A USB4510-03-1-A
05-08-A-0050-A-4-06-4-T 05-10-A-0279-A-4-06-4-T 05-32-A-0050-A-4-06-4-T
BF135-18-A-0200-0700-0400-L-C BG125-05-A-1-1-0440-N-D 05-12-D-0304-A-4-06-4-T
05-15-A-0254-A-4-06-4-T 10-15-A-0101-C-4-08-4-T 05-40-D-0076-A-4-06-4-T BF100-20-A-D-0-0640-L-C
USB3510-30-C USB4140-GF-0230-C 05-14-A-0203-A-4-06-4-T 10-16-D-0101-C-4-08-4-T
BD125-30-A-0305-0580-L-B BF100-12-A-D-0-0640-L-C FFC3A20-13-G BC075-04-A-L-A BF121-18-A-0-L-C