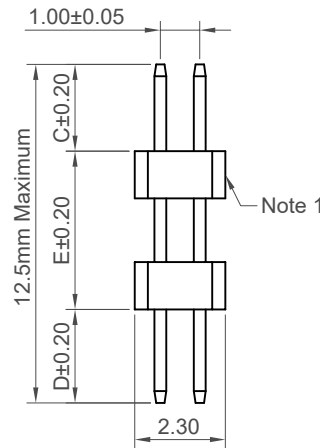
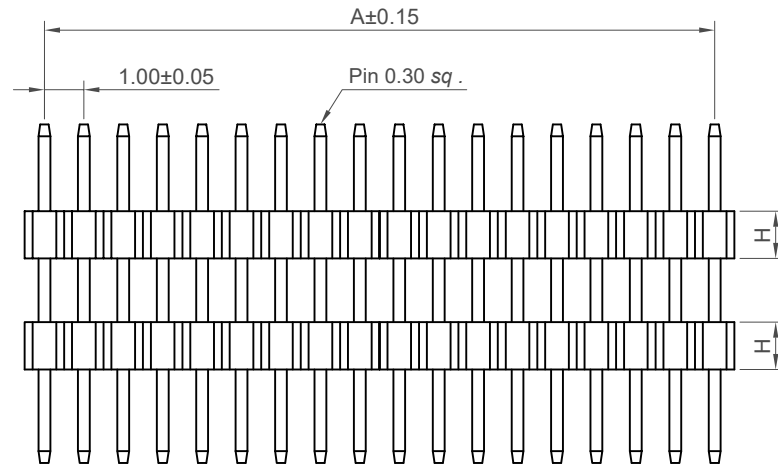
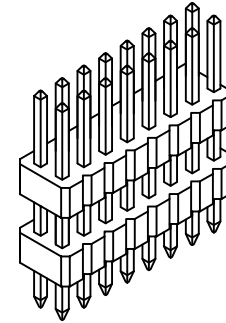


Recommended PCB Layout  
General TOL: ±0.05



Note 1: The upper insulator is for pin alignment only, for load bearing, please contact GCT.

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

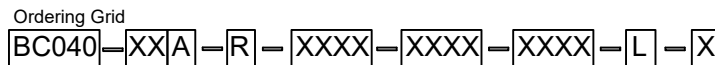
Soldering Process:

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

No. of Contacts	Dimensions	
	A	B
4	1.00	2.00
6	2.00	3.00
8	3.00	4.00
10	4.00	5.00
12	5.00	6.00
14	6.00	7.00
16	7.00	8.00
18	8.00	9.00
20	9.00	10.00
22	10.00	11.00
24	11.00	12.00
26	12.00	13.00
28	13.00	14.00
30	14.00	15.00
32	15.00	16.00
34	16.00	17.00
36	17.00	18.00
38	18.00	19.00
40	19.00	20.00
42	20.00	21.00
44	21.00	22.00
46	22.00	23.00
48	23.00	24.00
50	24.00	25.00
52	25.00	26.00
54	26.00	27.00
56	27.00	28.00
58	28.00	29.00
60	29.00	30.00
62	30.00	31.00
64	31.00	32.00
66	32.00	33.00
68	33.00	34.00
70	34.00	35.00
72	35.00	36.00
74	36.00	37.00
76	37.00	38.00
78	38.00	39.00
80	39.00	40.00



Request Samples and Quotation

Packing Options  
G = Plastic Box (Standard)  
D = Tube  
E = Tube with Cap  
Insulator Material  
L = LCP  
Dimension E (1/100mm)  
(Stacking Height)  
0255 = 2.55mm (Standard)  
or specify Dimension E  
e.g. 4.50mm = 0450  
(Maximum 0650=6.50mm)

No. of Contacts  
04 to 80

Contact Plating  
A = Gold Flash All Over (Standard)

Insulator Height 'H'  
R = 1.20mm

Dimension C (1/100mm)(Post Height)  
0190 = 1.90mm (Standard)

or specify Dimension C  
e.g. 2.50mm = 0250  
(Maximum 0300=3.00mm)  
(Minimum 0050=0.50mm)

Dimension D (1/100mm)  
(Tail Length)  
0190 = 1.90mm (Standard)  
or specify Dimension D  
e.g. 2.50mm = 0250  
(Maximum 0300=3.00mm)  
(Minimum 0050=0.50mm)

Note 2: For more post height, tail length, stack height options, please contact GCT.

Part Number		Product Description	
BC040		1.0mm Pitch Elevated Pin Header, Dual Row, Through-Hole, Vertical	
Drawing Date		20th May 2008	
By	KY	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BC040 D PCN	Length: X. ± 0.30 D: XX ± 0.20	Angle: X° ± 5° X.X° ± 3°
Revision	D4	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



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