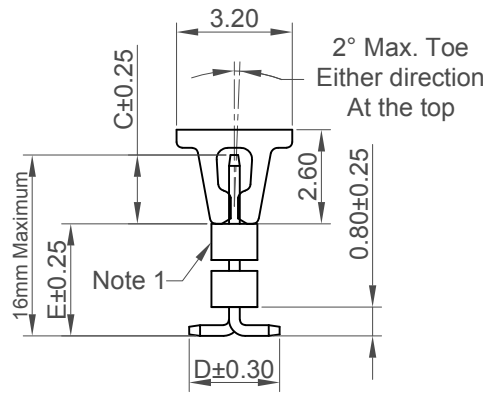
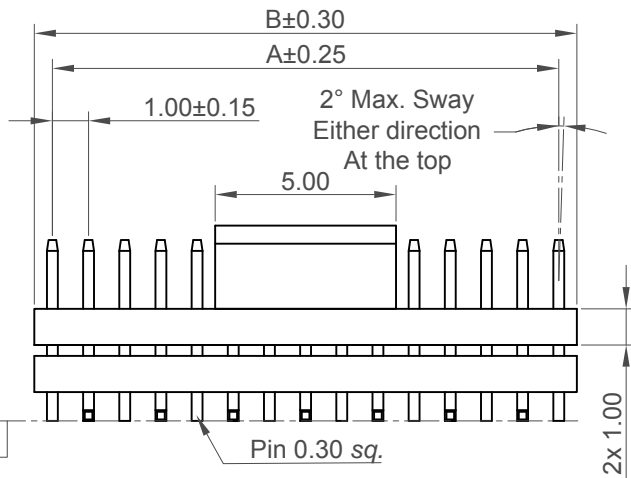


Recommended PCB Layout
General Tolerance ± 0.05

Solder Area



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

Specifications

Material

Insulator: LCP, UL94V-0, Black
Contact: Brass

Plating

Contact: See Ordering Grid
Underplating: Nickel all over

Electrical

Current Rating: 1.0 Amp Per Pin
Contact Resistance: 20 mΩ max.
Insulation Resistance: 1000 MΩ min.
Dielectric Withstand Voltage: 300 V AC

Mechanical & Environmental

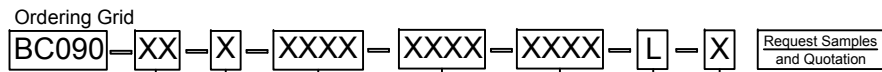
Operating Temperature: -40°C to $+105^{\circ}\text{C}$

Soldering Process

IR Reflow: 260°C for 10 sec.
Manual Solder: 350°C for 3-5 sec

Mates with (Subject to Pin Length)
BC065 BC070 BC075

Number 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



No. of Contacts
02 to 40

Contact Plating

A = Gold Flash All Over (Standard)
B = Selective Gold Flash Contact Area/Tin On Tail
C = Tin All Over
G = $10\mu\text{m}$ Gold Contact Area/Tin On Tail
I = $30\mu\text{m}$ Gold Contact Area/Tin On Tail

Dimension C (1/100mm) (Post Height)

0190 = 1.90mm (Standard)
Or specify Custom Post Height
(Maximum 0400=4.00 mm)
(Minimum 0100=1.00 mm)

Packing Options
D = Tube
E = Tube with Cap

Insulator Material
L = LCP

Dimension E (1/100mm) (PCB to Top of Insulator)

0310 = 3.10mm (Standard)
Or specify custom dimension
(Maximum 1200=12.00 mm)
(Minimum 0280=2.80 mm)

Dimension D (1/100mm) (Footprint Width)

0250 = 2.50mm (Standard)
Or specify Custom Footprint Width
(Tooling charge may apply)

Part Number		Product Description	
BC090		1.00mm Pitch Elevated Pin Header, Single Row, Surface Mount, Vertical	
Drawing Date		20th October 2017	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length X. ± 0.30 XX ± 0.25 XXX ± 0.15 XXX ± 0.10	Metric (mm)
Revision	A1	Angle X.° ± 5° XX° ± 3° XXX° ± 2° XXX° ± 1°	RoHS COMPLIANT 2011/65/EU Deca-SIDE
Date	04/06/20	3rd Angle Projection	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 CC	Sheet No. 1/1
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