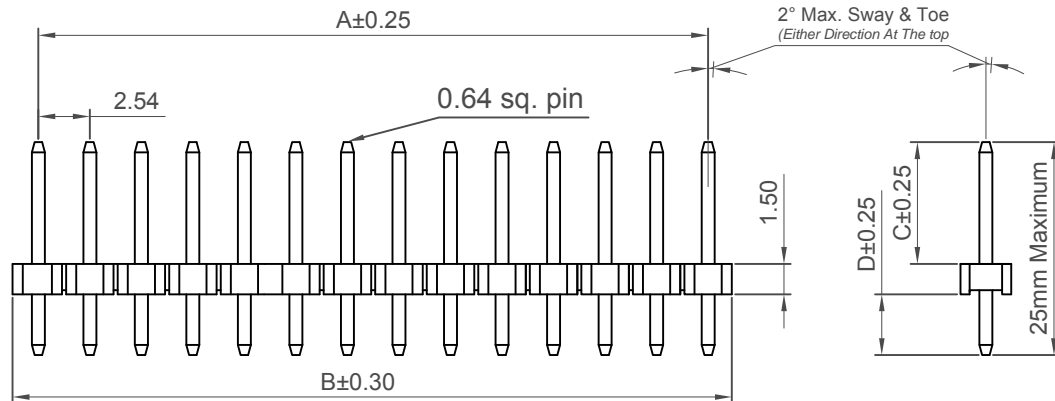
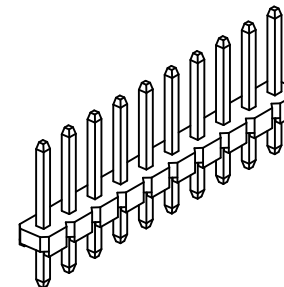
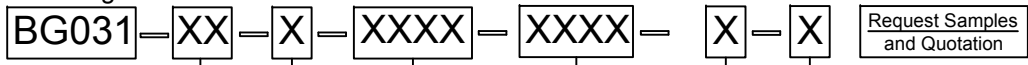


Recommended PCB Layout
General Tolerance: ±0.05



Ordering Grid



No. of Contacts
02 to 40

Packing Options
G = Plastic Box (Standard)
B = Tape & Reel with Cap
D = Tube
E = Tube with Cap

Insulator Material
N = Nylon 6T (Standard)
L = LCP

Dimension D (1/100mm) (Tail Length)
0300 = 3.00mm (Standard)
Or specify Custom Footprint Width
eg. 0250 = 2.50mm
(Maximum 1500=15.00mm)
(Minimum 0050=0.50mm)

Contact Plating
A = Gold Flash All Over (Standard)
B = Selective Gold Flash Contact Area/
Tin On Tail
C = Tin All Over
G = 10µ" Gold Contact Area/Tin On Tail
I = 30µ" Gold Contact Area/Tin On Tail

Dimension C (1/100mm) (Post Height)
0400 = 4.00mm (Standard)
0600 = 6.00mm (Standard)
Or specify Custom Post Height
eg. 0250 = 2.50mm
(Maximum 1500=15.00mm)
(Minimum 0050=0.50mm)

Specifications

Material
Insulator:
Standard: Polyamide, Nylon 6T, UL94V-0
Options: Polymer, LCP, UL94V-0
Polyester, PBT, UL94V-0
Contact: Copper Alloy

Plating
Contact: See ordering grid

Electrical
Current Rating: 3 Amp Per Pin
Contact Resistance: 20 mΩ max.
Insulation Resistance : 1000 MΩ min.
Dielectric Withstand Voltage: 600 V AC

Mechanical & Environmental
Operating Temperature: -40°C to +105°C

Soldering Process
Nylon 6T (Standard)
IR Reflow: 260°C for 10 sec.
Wave: 230°C for 5-10 sec
Manual Solder : 350°C for 3-5 sec
LCP (Option)
IR Reflow: 260°C for 10 sec.
Wave: 250°C for 5-10 sec.
Manual Solder: 350°C for 3-5sec
PBT (Option)
Manual Solder: 330°C for 3-5sec
(not suitable for hi-temp process)

Mates with (Subject to Pin Length)
BG090 BG095 BG096 BG100 BG110
BG115 BG125 BG126 BG130 BG135
BG145 BG205 BG230

BG095 Recommended mating length 4.00mm
BG115 Recommended mating length 4.00mm
BG125 Recommended mating length 4.00mm

No. of Contacts	Dimensions	
	A	B
2	2.54	5.08
3	5.08	7.62
4	7.62	10.16
5	10.16	12.70
6	12.70	15.24
7	15.24	17.78
8	17.78	20.32
9	20.32	22.86
10	22.86	25.40
11	25.40	27.94
12	27.94	30.48
13	30.48	33.02
14	33.02	35.56
15	35.56	38.10
16	38.10	40.64
17	40.64	43.18
18	43.18	45.72
19	45.72	48.26
20	48.26	50.80
21	50.80	53.34
22	53.34	55.88
23	55.88	58.42
24	58.42	60.96
25	60.96	63.50
26	63.50	66.04
27	66.04	68.58
28	68.58	71.12
29	71.12	73.66
30	73.66	76.20
31	76.20	78.74
32	78.74	81.28
33	81.28	83.82
34	83.82	86.36
35	86.36	88.90
36	88.90	91.44
37	91.44	93.98
38	93.98	96.52
39	96.52	99.06
40	99.06	101.60

Part Number		Product Description	
BG031		2.54mm Pitch Pin Header, Single Row, Through Hole, Vertical, Low Profile	
Drawing Date		13th April 2007	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BG031 B PCN	Length: X. ± 0.30 Angle: X.X ± 0.20 Revision: B4 Date: 24/07/19	Metric (mm)
		X.XX ± 0.15 X.XXX ± 0.10	X.X° ± 5° X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°



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



www.gct.co

Not to Scale	Drawn By BC	Sheet No. 1/1
--------------	-------------	---------------

H
G
F
E
D
C
B
A

1 2 3 4 5 6 7 8