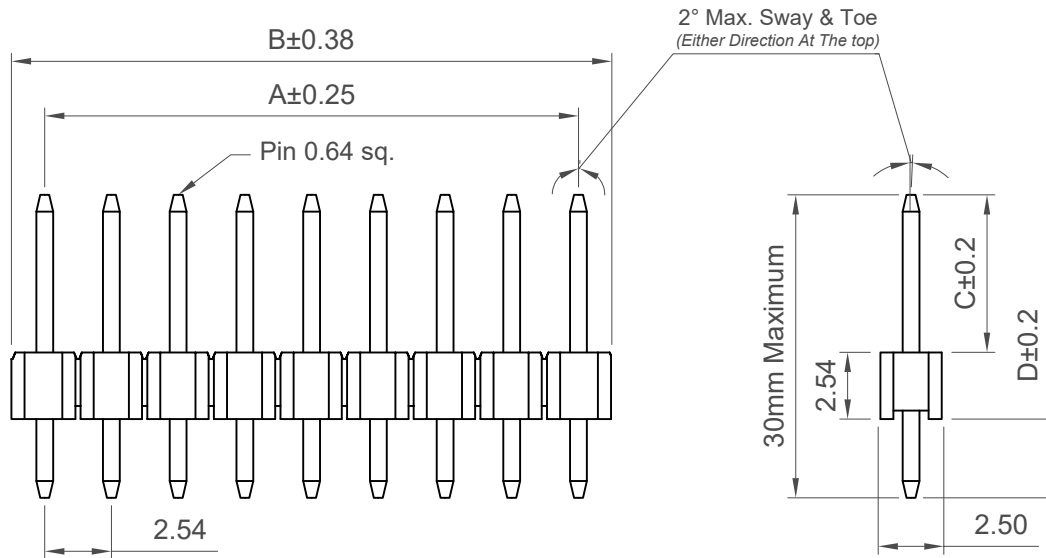


Recommended PCB Layout



Ordering Grid

BG030-XX-X-XXXX-XXXX-X-X Request Samples and Quotation

No. of Contacts
01 to 40

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
L = Matte Tin

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

0400 = 4.00mm (Standard)

0450 = 4.50mm (Standard)

0650 = 6.50mm (Standard)

Or specify custom Post Height

e.g. 0250 = 2.50mm

(Maximum 2000=20.00mm)

(Minimum 0050=0.50mm)

Packing Options

G = Plastic Box (Standard)
B = Tape & Reel with Cap
(available from 2 to 34 contacts)
D = Tube
E = Tube with Cap
(unavailable for 1 contact)

Insulator Material

N = Nylon 6T (Standard)
P = PBT
L = LCP

Dimension D (1/100mm) (Tail Length)

0300 = 3.00mm (Standard)

Or specify custom Tail Length

e.g. 0250 = 2.50mm

(Maximum 2000=20.00mm)

(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

BG090 Recommended mating length 4.00mm

BG095 Recommended mating length 4.00mm

Number of Contacts	Dimensions	
	A	B
1	/	2.54
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 BG030		Product Description 2.54mm pitch Pin Header Single Row, Through-Hole, Vertical	
Drawing Date 1st November 2006			
By Detail	KY BG030 G PCN	Tolerances (Except as Noted) Length X. ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Angle X° ± 5° X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°
Revision Date	G6 19/05/25	Units: Metric (mm)	3rd Angle Projection
		RoHS COMPLIANT 2011/05/UE	
		This drawing is confidential and copyright of Global Connector Technology, Ltd (GCT). This drawing must not be copied or disclosed without written consent.	
		Not to Scale	
		Drawn By LYH	
		Sheet No. 1/1	

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