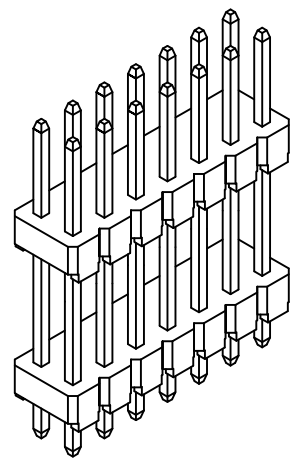
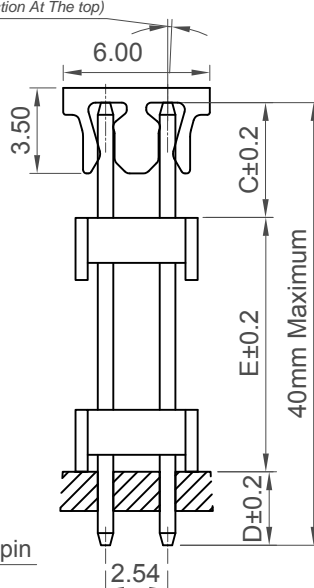
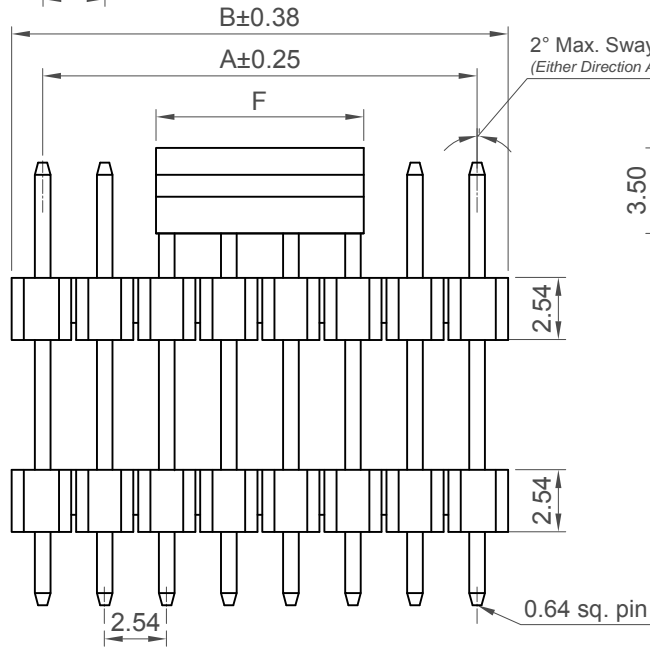


**Recommended PCB Layout**  
General Tolerance: ±0.05



Number of Contacts	Dimensions		
	A	B	F
4	2.54	5.08	5.00
6	5.08	7.62	6.00
8	7.62	10.16	
10	10.16	12.70	
12	12.70	15.24	
14	15.24	17.78	
16	17.78	20.32	
18	20.32	22.86	
20	22.86	25.40	
22	25.40	27.94	
24	27.94	30.48	
26	30.48	33.02	
28	33.02	35.56	
30	35.56	38.10	
32	38.10	40.64	
34	40.64	43.18	
36	43.18	45.72	
38	45.72	48.26	
40	48.26	50.80	

Number of Contacts	Dimensions		
	A	B	F
42	50.80	53.34	8.50
44	53.34	55.88	
46	55.88	58.42	
48	58.42	60.96	
50	60.96	63.50	
52	63.50	66.04	
54	66.04	68.58	
56	68.58	71.12	
58	71.12	73.66	
60	73.66	76.20	
62	76.20	78.74	
64	78.74	81.28	
66	81.28	83.82	
68	83.82	86.36	
70	86.36	88.90	
72	88.90	91.44	
74	91.44	93.98	
76	93.98	96.52	
78	96.52	99.06	
80	99.06	101.60	

**Ordering Grid**  
**BG025** - **XX** - **X** - **XXXX** - **XXXX** - **XXXX** - **X** - **X** Request Samples and Quotation

No. of Contacts: 04 to 80

**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**  
**H = 15µ" Gold Contact Area/Tin On Tail**  
**I = 30µ" Gold Contact Area/Tin On Tail**

**Dimension C (1/100mm) (Post Height)**  
**0300 = 3.00mm (Standard)**  
**0600 = 6.00mm (Standard)**  
 Or specify Custom Post Height  
 eg. 0250 = 2.50mm  
 (Maximum 1000=10.00mm)  
 (Minimum 0050=0.50mm)

**Packing Options**  
**G = Plastic Box (Standard)**  
**D = Tube**  
**E = Tube with Cap**

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

**Dimension E (1/100mm) (Stack Height)**  
**1040 = 10.40mm (Standard)**  
 Or specify Custom Stack Height  
 eg. 0250 = 2.50mm  
 (Maximum 3100=31.00mm)

**Dimension D (1/100mm) (Tail Length)**  
**0300 = 3.00mm (Standard)**  
 Or specify Custom Footprint Width  
 eg. 0250 = 2.50mm  
 (Maximum 1000=10.00mm)  
 (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

**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)**

BG120	BG121	BG140	BG150	BG151
BG152	BG160	BG165	BG166	BG170
BG175	BG180	BG185	BG190	BG195
BG200	BG210	BG220	BG225	

BG120 Recommended mating length 3.00mm  
 BG121 Recommended mating length 3.00mm  
 BG165 Recommended mating length 3.00mm  
 BG166 Recommended mating length 3.00mm  
 BG170 Recommended mating length 3.00mm  
 BG190 Recommended mating length 3.00mm

**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

Part Number		Product Description	
BG025		2.54mm Pitch Elevated Pin Header, Dual Row, Through-Hole, Vertical	
Drawing Date		30th October 2006	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BG025 E PCN	Length X. ± 0.30 XX ± 0.20 XXX ± 0.15 X.XXX ± 0.10	Metric (mm)
Revision	E6	Angle X.° ± 5° XX° ± 2° XXX° ± 1° X.XXX° ± 0.5°	RoHS COMPLIANT 2011/65/EU Deca-BIDE
Date	19/09/17	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

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Not to Scale | Drawn By LYH | Sheet No. 1/1

H  
G  
F  
E  
D  
C  
B  
A

1 2 3 4 5 6 7 8

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[BG025-20-A-0600-0300-0760-N-G](#) [BG025-06-A-0300-0300-2030-N-G](#)