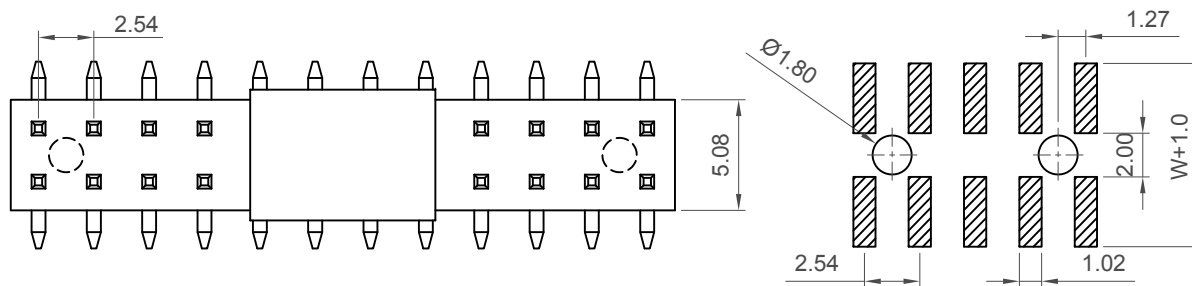
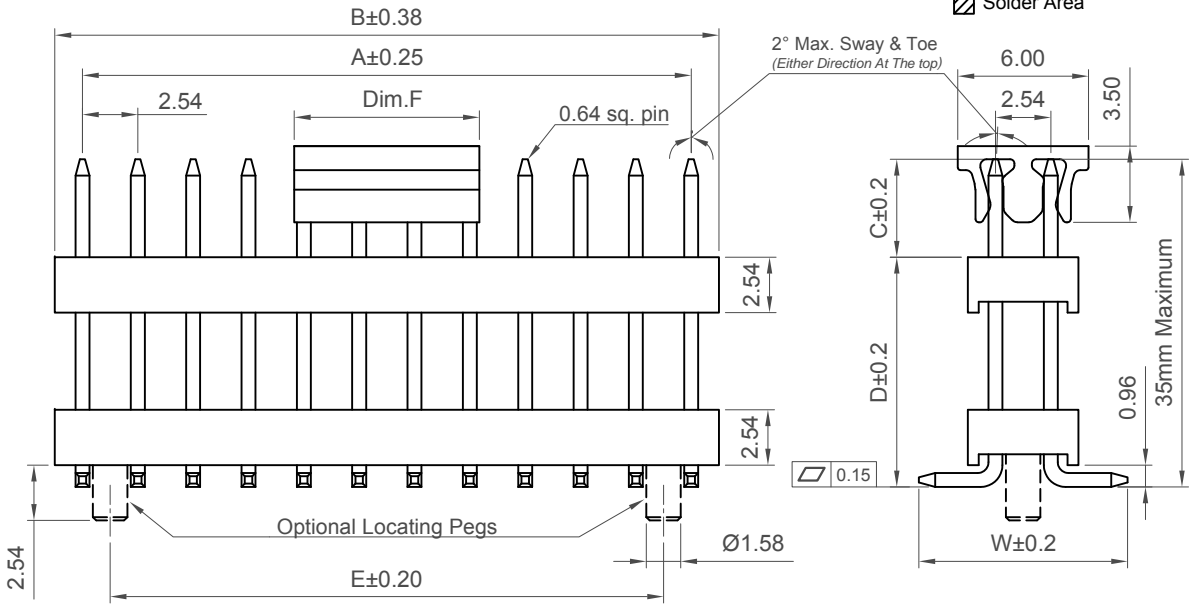
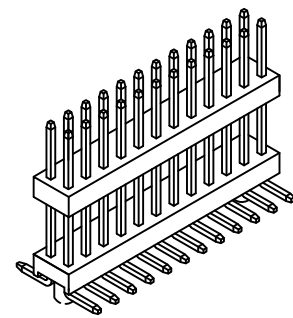


H  
G  
F  
E  
D  
C  
B  
A



**Recommended P.C.B Layout**

Solder Area



**Specifications**

**Material**

Insulator:  
Standard: Polyamide, Nylon 6T, UL94V-0  
Options: Polymer, LCP, 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

**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

Number of Contacts	Dimensions			
	A	B	E	F
4	2.54	5.08	/	5.00
6	5.08	7.62	2.54	6.00
8	7.62	10.16	5.08	
10	10.16	12.70	7.62	
12	12.70	15.24	10.16	
14	15.24	17.78	12.70	
16	17.78	20.32	15.24	
18	20.32	22.86	17.78	8.05
20	22.86	25.40	20.32	
22	25.40	27.94	22.86	
24	27.94	30.48	25.40	
26	30.48	33.02	27.94	
28	33.02	35.56	30.48	
30	35.56	38.10	33.02	
32	38.10	40.64	35.56	
34	40.64	43.18	38.10	
36	43.18	45.72	40.64	
38	45.72	48.26	43.18	
40	48.26	50.80	45.72	
42	50.80	53.34	48.26	
44	53.34	55.88	50.80	
46	55.88	58.42	53.34	
48	58.42	60.96	55.88	
50	60.96	63.50	58.42	
52	63.50	66.04	60.96	
54	66.04	68.58	63.50	
56	68.58	71.12	66.04	
58	71.12	73.66	68.58	
60	73.66	76.20	71.12	
62	76.20	78.74	73.66	
64	78.74	81.28	76.20	
66	81.28	83.82	78.74	
68	83.82	86.36	81.28	
70	86.36	88.90	83.82	
72	88.90	91.44	86.36	
74	91.44	93.98	88.90	
76	93.98	96.52	91.44	
78	96.52	99.06	93.98	
80	99.06	101.60	96.52	



**Ordering Grid**  
BG070-XX(X)-X-XXXX-XXXX-XXXX-X-X

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

**Locating Peg**  
0 = Without  
1 = With

**Dimension C (1/100mm) (Post Height)**  
0300 = 3.00mm (Standard)  
0580 = 5.80mm (Standard)  
Or specify custom post height  
eg. 0250 = 2.50mm  
(Maximum 2000=20.00mm)  
(Minimum 0100=1.00mm)

**Dimension D (1/100mm) (Stack Height)**  
0650 = 6.50mm (Standard)  
Or specify custom stack height  
eg. 0604 = 6.04mm (Minimum)  
(Maximum 2500=25.00mm)

**Dimension W (1/100mm) (Footprint Width)**  
0740 = 7.40mm (Standard)  
Or specify custom footprint width  
eg. 0250 = 2.50mm  
(Tooling charge may apply)

**Packing Options**  
B = Tape & Reel with Cap (Standard)  
D = Tube (Standard where  
total height exceeds 25mm)  
E = Tube with Cap  
H = Tray

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

**Request Samples and Quotation**

Part Number		Product Description	
BG070		2.54mm Pitch Elevated Header Dual Row, Surface Mount, Vertical	
Drawing Date		1st November 2006	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BG070 C PCN	Length X ± 0.30 Angle XX ± 0.20 Revision C6 Date 24/02/21	Metric (mm)
		X ± 0.30 XX ± 0.20 XXX ± 0.15 XXXX ± 0.10	Angle X° ± 5° XX° ± 2° XXX° ± 1° XXXX° ± 0.5°
		3rd Angle Projection	
		RoHS COMPLIANT 2011/65/EU Deca-SIDE	
		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