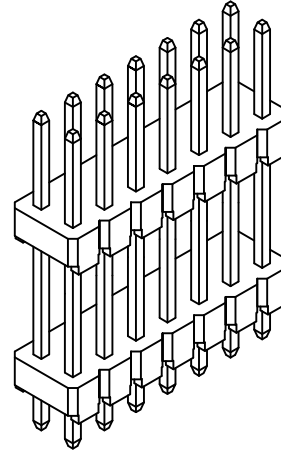
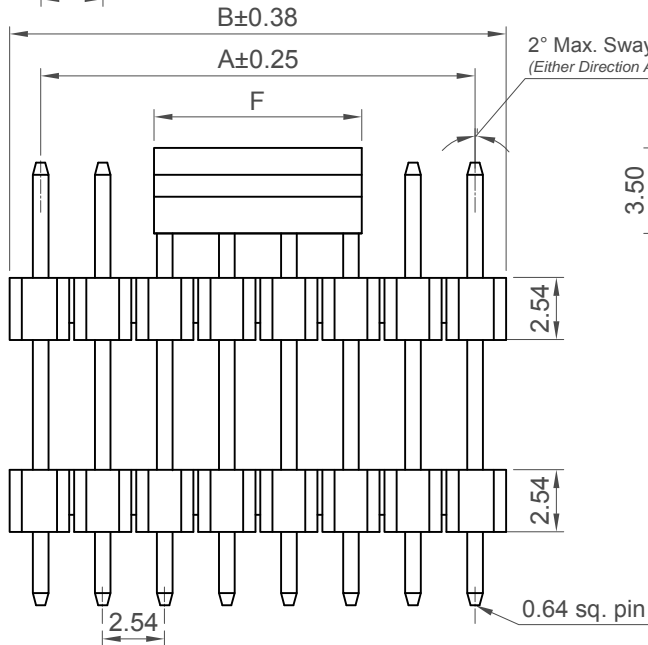
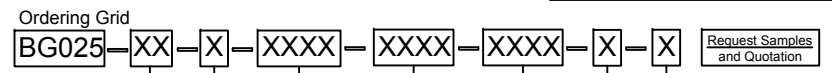


Recommended PCB Layout
General Tolerance: ± 0.05



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	8.50
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	



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

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

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

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)

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°	3rd Angle Projection
Date	19/09/17		



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Not to Scale	Drawn By LYH	Sheet No. 1/1
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H
G
F
E
D
C
B
A