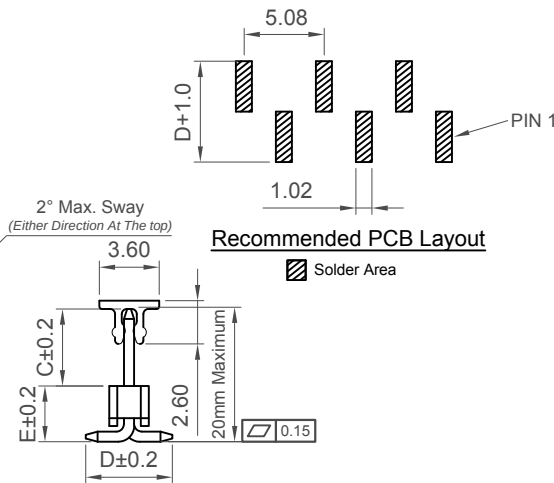
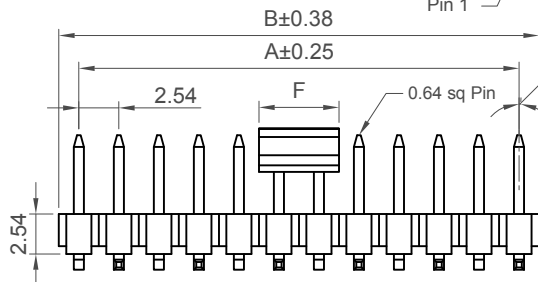
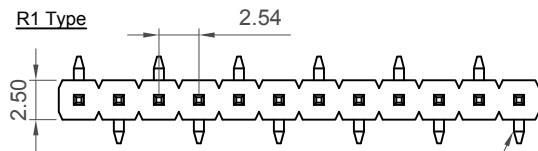


Ordering Grid

BG055-XX-X-XXXX-XXXX-XXXX-X-X

No. of Contacts
02 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

Type

1 = R1 Type
2 = R2 Type

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

0400 = 4.00mm (Standard)
0450 = 4.50mm (Standard)
0650 = 6.50mm (Standard)

Or specify Custom Post Height
eg. 0250 = 2.50mm
(Maximum 1500=15.00mm)
(Minimum 0100=1.00mm)

Part Number		Product Description	
BG055		2.54mm Pitch Pin Header, Single Row, Surface Mount, Vertical	
Drawing Date		30th October 2006	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BG055 G PCN	Length X. ± 0.30 Angle X.X° ± 5°	Metric (mm)
Revision	G4	X.X ± 0.20 X.XX° ± 2°	
Date	06/09/17	X.XX ± 0.15 X.XXX° ± 1°	
		X.XXX ± 0.10 X.XXX° ± 0.5°	

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Not to Scale	Drawn By LYH	Sheet No. 1/1
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Number of Contacts	Dimensions		
	A	B	F
2	2.54	5.08	5.00
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	

Number of Contacts	Dimensions		
	A	B	F
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	

Specifications

Material

Insulator:
Standard: Polyamide, Nylon 6T, UL94V-0
Option: 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 3-5sec
LCP (Option)
IR Reflow: 260°C for 10 sec.
Wave: 250°C for 5-10 sec.
Manual Solder: 350°C for 3-5 sec

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

Mouser Electronics

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