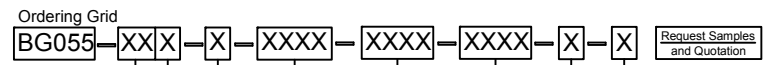


Number of Contacts	Dimensions		
	A	B	F
2	2.54	5.08	5.00
3	5.08	7.62	
4	7.62	10.16	
5	10.16	12.70	
6	12.70	15.24	
7	15.24	17.78	
8	17.78	20.32	
9	20.32	22.86	
10	22.86	25.40	
11	25.40	27.94	
12	27.94	30.48	
13	30.48	33.02	
14	33.02	35.56	
15	35.56	38.10	
16	38.10	40.64	
17	40.64	43.18	
18	43.18	45.72	
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	



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)

Packing Options
 B = Tape & Reel with Cap (Standard)
 D = Tube (D & E not available)
 E = Tube with Cap for 2-5 contacts.)
 G = Plastic Box

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

Dimension E (1/100mm) (PCB to Top of Insulator)
0350 = 3.50mm (Standard)
 Or specify custom dimension
 eg 0320 = 3.20mm (Minimum)

Dimension D (1/100mm) (Footprint Width)
0530 = 5.30mm (Standard)
 Or specify Custom Footprint Width
 eg. 0250 = 2.50mm
 (Tooling charge may apply)

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

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 G PCN XX ± 0.20	Metric (mm)
Revision	G4	Angle X.XX° ± 2° X.XX° ± 1°	3rd Angle Projection
Date	06/09/17	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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H
G
F
E
D
C
B
A