



Number of Contacts	Dimensions			
	A	B	C	G
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	
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	

Specifications 规格

Material 物料

Insulator 绝缘体:
 Standard 标准: Polyester, LCP, UL94V-0
 Option 可选: Polyamide, Nylon 6T, UL94V-0
 Contact 接触: Copper Alloy

Plating 电镀

Contact 接触: Gold or Tin over Nickel

Electrical 电气

Current Rating 电流额定值: 3 Amp
 Contact Resistance 接触电阻值: 20 mΩ max.
 Insulation Resistance 绝缘电阻值: 1000 MΩ min.
 Dielectric Withstand Voltage 寒耐电压: 600 V AC

Mechanical & Environmental 机械 & 环境

Operating Temperature 工作温度: -40°C to +105°C
 Soldering Process 可焊性
 LCP (Standard 标准物料)

IR Reflow 回流焊: 260°C for 10 sec.
 Wave 波峰焊: 250°C for 5-10 sec
 Manual Solder 人工焊接: 350°C for 3-5 sec
 Nylon 6T (Option 可选物料)
 IR Reflow 回流焊: 260°C for 10 sec.
 Wave 波峰焊: 230°C for 5-10 sec.
 Manual Solder 人工焊接: 350°C for 3-5sec

Ordering Grid



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

Packing Options

B = Tape and Reel with Cap (Standard)
 D = Tube
 E = Tube with Cap

Insulator Material

L = LCP (Standard)
 N = Nylon 6T
 Dimension F (1/100mm) (PCB to Top of Insulator)
 0350 = 3.50mm (Standard)
 Or specify custom length
 eg 0250 = 2.50mm

Dimension E (1/100mm) (Footprint Width)

0737 = 7.37mm (Standard)
 Or specify custom footprint width
 eg 0250 = 2.50mm

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

0450 = 4.50mm (Standard)
 0650 = 6.50mm (Standard)
 Or specify custom post height
 eg 0250 = 2.50mm

Mates with 配套之母座

(Subject to Pin Length 在端子长度适合的条件下)

BG120	BG140	BG150	BG151	BG160
BG165	BG170	BG175	BG180	BG185
BG190	BG195	BG200	BG210	

Part Number BG050		Product Description 2.54mm Pitch Pin Header, Dual Row, Surface Mount, Vertical	
Drawing Date 23rd December 2014			
By AJO	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)	
Detail	X. ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10		
Revision E1	Date 06/02/15		
<p>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</p>		<p>Global Connector Technology www.gct.co</p>	
Not to Scale	Drawn By LYH	Sheet No. 1/1	

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