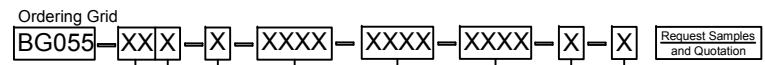


Number of Contacts	Dimensions		
	A	B	F
2	2.54	5.08	5.00
3	5.08	7.62	
4	7.62	10.16	
5	10.16	12.70	
6	12.70	15.24	
7	15.24	17.78	
8	17.78	20.32	
9	20.32	22.86	
10	22.86	25.40	
11	25.40	27.94	
12	27.94	30.48	
13	30.48	33.02	
14	33.02	35.56	
15	35.56	38.10	
16	38.10	40.64	
17	40.64	43.18	
18	43.18	45.72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

Request Samples and Quotation

**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

**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)

**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)

**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 BG055		Product Description 2.54mm Pitch Pin Header, Single Row, Surface Mount, Vertical	
Drawing Date 30th October 2006			
By	CC	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BG055 G PCN	Length X. ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Angle X° ± 5° X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°
Revision	G4	3rd Angle Projection	
Date	06/09/17	RoHS COMPLIANT 2011/65/EU Deca-BIDE	

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

Not to Scale | Drawn By LYH | Sheet No. 1/1

H  
G  
F  
E  
D  
C  
B  
A

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