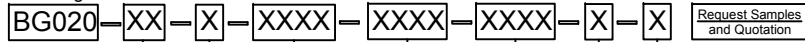


Ordering Grid



No. of Contacts
02 to 40

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

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

Dimension E (1/100mm) (Stack Height)

1040 = 10.40mm (Standard)
 Or specify Custom Stack Height
 eg. 0508 = 5.08mm (minimum)
 (Maximum 2500=25.00mm)

If lower stacking heights required
 contact GCT for lower profile
 insulator options

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

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

0400 = 4.00mm (Standard)
0640 = 6.40mm (Standard)
 Or specify Custom Post Height
 eg. 0250 = 2.50mm
 (Maximum 1000=10.00mm)
 (Minimum 0050=0.50mm)

Dimension D (1/100mm) (Tail Length)

0300 = 3.00mm (Standard)
 Or specify Custom Tail Length
 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

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 3-5 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)

BG090 BG095 BG096 BG100 BG110
 BG115 BG125 BG126 BG130 BG135
 BG145 BG205 BG230

BG090 Recommended mating length 4.00mm
 BG095 Recommended mating length 4.00mm
 BG115 Recommended mating length 4.00mm
 BG125 Recommended mating length 4.00mm
 BG126 Recommended mating length 4.00mm

No. of Contacts	Dimensions	
	A	B
2	2.54	5.08
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
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

Part Number		Product Description	
BG020		2.54mm Pitch Elevated Pin Header, Single Row, Through-Hole, Vertical	
Drawing Date		30th October 2006	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BG020 E PCN	Length X. ± 0.30 XX ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Angle X.° ± 5° X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°
Revision	E6		Metric (mm)
Date	06/09/17		3rd Angle Projection



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Not to Scale	Drawn By AJO	Sheet No. 1/1
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