



No. of Contacts	Dimension	
	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

Specifications

Material
 Insulator:
 Standard: Nylon 6T, UL94V-0, Black
 Option: LCP, UL94V-0, Black
 Contact Terminal: Copper Alloy

Plating
 Underplating: Nickel all over
 Contact Area: See Ordering Grid

Electrical
 Current Rating: 3 Amp per pin
 Contact Resistance: 20 mΩ max.
 Insulating Resistance: 1000 MΩ min.
 Dielectric Withstand Voltage: 600V AC

Mechanical & Environmental
 Operating Temperature: -40°C to +105°C
 Mating Force: 35N (3.57Kgf) max.
 Unmating Force: 10N (1.02Kgf) min.
 Durability: 1,500 Cycles

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 3-5 sec

Mates with
 (subject to pin length):
 BG020 BG030 BG031 BG035
 BG055 BG060 BG075 BG080

1.89 (ref.)
 (Min. Insertion Depth)

Ordering Grid
 BG205-XX-X-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

Packing Options
 A = Tape and Reel (Standard)
 D = Tube (4 - 40 contacts only)
 G = Box (2 or 3 contacts only)

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

Dimension W (1/100mm) (Footprint Width)
 1050 = 10.50mm (Standard)
 Or specify custom Footprint Width
 e.g. 0910=9.10mm (Minimum)
 1300=13.00mm (Maximum)
 (Tooling charge may apply)

Part Number BG205		Product Description 2.54mm Pitch Socket Single Row, Surface Mount, Horizontal	
Drawing Date 30th October 2006			
By CC		Tolerances (Except as Noted)	Units: Metric (mm)
Detail BG205 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 G3		3rd Angle Projection	
Date 08/02/18			

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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