

Number of Contacts	Dimensions	
	A	B
4	2.54	5.58
6	5.08	8.12
8	7.62	10.66
10	10.16	13.20
12	12.70	15.74
14	15.24	18.28
16	17.78	20.82
18	20.32	23.36
20	22.86	25.90
22	25.40	28.44
24	27.94	30.98
26	30.48	33.52
28	33.02	36.06
30	35.56	38.60
32	38.10	41.14
34	40.64	43.68
36	43.18	46.22
38	45.72	48.76
40	48.26	51.30
42	50.80	53.84
44	53.34	56.38
46	55.88	58.92
48	58.42	61.46
50	60.96	64.00
52	63.50	66.54
54	66.04	69.08
56	68.58	71.62
58	71.12	74.16
60	73.66	76.70
62	76.20	79.24
64	78.74	81.78
66	81.28	84.32
68	83.82	86.86
70	86.36	89.40
72	88.90	91.94
74	91.44	94.48
76	93.98	97.02
78	96.52	99.56
80	99.06	102.10

Specifications

Material
 Contact: Copper Alloy
 Insulator:
 Standard: Polyamide, Nylon 6T, UL 94V-0
 Options: Polymer, LCP, UL 94V-0

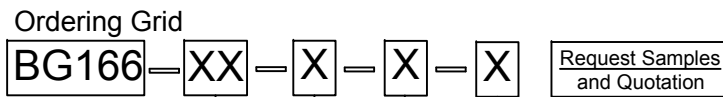
Plating
 See ordering grid.

Electrical
 Current Rating: 3 Amp (per contact)
 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 3-5 sec

Mates with (Subject to pin length)
 BG025 BG040 BG041 BG045
 BG050 BG065 BG070 BG085



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

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

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

Part Number		Product Description	
BG166		2.54mm Pitch Socket, Dual Row, Through-Hole, Vertical	
Drawing Date		8th April 2007	
By	CC	Tolerances (Except as Noted)	Units:
Detail	Drawing Release	Length: X. ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Metric (mm)
Revision	A1	Angle: X° ± 4° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°	RoHS COMPLIANT 2011/65/EU Deca-SIDE
Date	20/11/17	3rd Angle Projection	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 BC	Sheet No. 1/1
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