

Number of Contacts	Dimensions	
	A	B
4	2.54	5.08
6	5.08	7.62
8	7.62	10.16
10	10.16	12.70
12	12.70	15.24
14	15.24	17.78
16	17.78	20.32
18	20.32	22.86
20	22.86	25.40
22	25.40	27.94
24	27.94	30.48
26	30.48	33.02
28	33.02	35.56
30	35.56	38.10
32	38.10	40.64
34	40.64	43.18
36	43.18	45.72
38	45.72	48.26
40	48.26	50.80
42	50.80	53.34
44	53.34	55.88
46	55.88	58.42
48	58.42	60.96
50	60.96	63.50
52	63.50	66.04
54	66.04	68.58
56	68.58	71.12
58	71.12	73.66
60	73.66	76.20
62	76.20	78.74
64	78.74	81.28
66	81.28	83.82
68	83.82	86.36
70	86.36	88.90
72	88.90	91.44
74	91.44	93.98
76	93.98	96.52
78	96.52	99.06
80	99.06	101.60

Specifications

Material

Contact: Copper Alloy

Insulator Material:

Standard: Polyamide, Nylon 6T, UL 94V-0

Options: Polymer, LCP, UL 94V-0

Polyester, PBT, UL 94V-0

Plating

See Ordering Grid.

Electrical

Current Rating: 3 Amp per pin

Insulator Resistance: 1000 MΩ min.

Contact Resistance: 20 mΩ max.

Dielectric Withstanding: AC 600 V

Environmental & Mechanical

Operating Temperature: -40° 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

PBT (Option)

Manual solder: 330°C for 3-5 sec.

(Not suitable for hi-temp process)

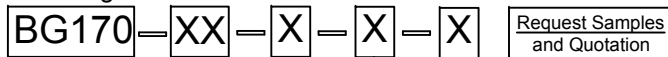
Mates with (subject to pin length)

BG025 BG040 BG041 BG045

BG050 BG065 BG066 BG070

BG085

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

Packing Options

D = Tube (Standard)

E = Tube with Cap

F = Tube with Film

G = Plastic Box

Insulator Material

N = Nylon 6T (Standard)

P = PBT

L = LCP

Part Number		Product Description	
BG170		2.54mm Pitch Socket, Dual Row, Through-Hole, Vertical, 4-Sided Box Contact	
Drawing Date		30th October 2006	
By	CC	Tolerances (Except as Noted)	Units:
Detail	BG170 E PCN	Length X. ± 0.30 X.X ± 0.20 X.XX ± 0.15 X.XXX ± 0.10	Metric (mm)
Revision	E2	Angle X° ± 5° X.X° ± 2° X.XX° ± 1° X.XXX° ± 0.5°	3rd Angle Projection
Date	20/11/17		



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