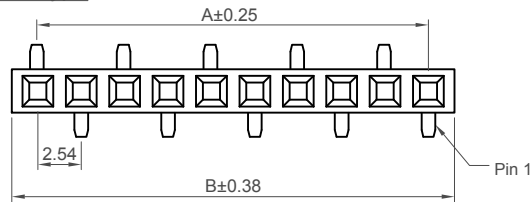
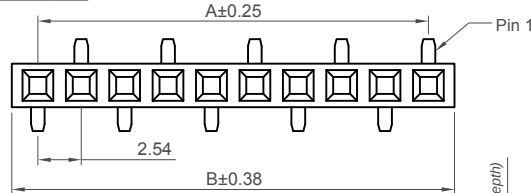


R1 Type

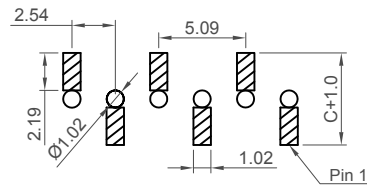
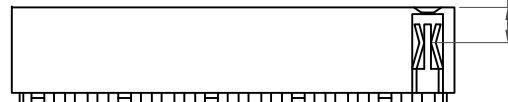


R2 Type

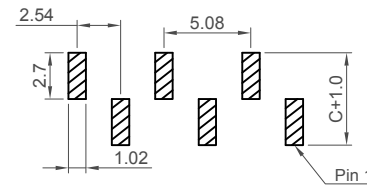


Height = 5.0mm: Pin Size = 0.75mm x 0.25mm
Height = 7.5mm: Pin Size = 0.60mm x 0.25mm

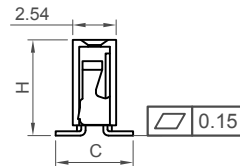
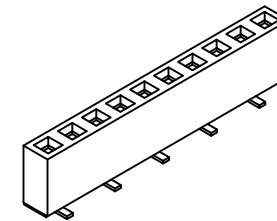
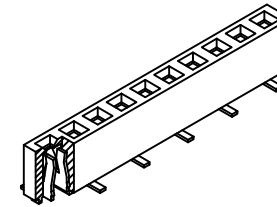
Height = 5.0mm: Min. Insertion Depth = 1.55mm
Height = 7.5mm: Min. Insertion Depth = 2.16mm



Recommended PCB Layouts
Bottom Entry General Tolerance ±0.05
Solder Area



Recommended PCB Layouts
Top Entry General Tolerance ±0.05
Solder Area



Specifications 规格

Material 物料

Contact端子: Phosphor Bronze

Insulator Material 绝缘体:

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

Options 可选: Polyester, LCP, UL 94V-0

Electrical 电气

Current Rating 电流额定值: 3 Amp

Insulator Resistance 绝缘电阻值: 1000 MΩ min.

Contact Resistance 接触电阻值: 20 mΩ max.

Dielectric Withstanding 耐电压: AC 600 V

Environmental & Mechanical 机械 & 环境

Operating Temperature 工作温度: -40° to +105°C

Soldering Process 可焊性:

Nylon 6T (Standard 标准物料) -

IR Reflow 回流焊: 260°C for 10 sec.

Wave 波峰焊: 230°C for 5-10 sec.

Manual Solder 人工焊接: 350°C for 3-5 sec

LCP (Option 可选物料) -

IR Reflow 回流焊: 260°C for 10 sec.

Wave 波峰焊: 250°C for 5-10 sec.

Manual Solder 人工焊接: 350°C for 3-5 sec

Ordering Grid

BG125-XX-X-X-X-XXXX-X-X Request Samples and Quotation

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

Height H

1 = 5.00mm (Standard)

2 = 7.50mm

Type

1 = R1 Type

2 = R2 Type

Packing Options

C = Tape and Reel with Film (Standard)

B = Tape and Reel with Cap

D = Tube

E = Tube with Cap

F = Tube with Film

Insulator Material

N = Nylon 6T (Standard)

L = LCP

Dimension C (Footprint Width) (1/100mm)

0440 = 4.40mm (Standard when 'H' = 5.00mm)

0420 = 4.20mm (Standard when 'H' = 7.50mm)

Mates with 配套之母座 (subject to pin length 在端子长度适合的条件下)

BG020 BG030 BG035 BG055
BG060 BG075 BG080

For bottom entry applications, stringent soldering control & pin alignment are required as lead to pad misalignment could cause incorrect mating.

Part Number		Product Description	
BG125		2.54mm Pitch Socket	
Drawing Date		Single Row, Surface Mount, Vertical, Dual Entry	
30th October 2006			
By	AJO	Tolerances (Except as Noted)	
Detail	BG125 H PCN	Length	Angle
		X. ± 0.30	X°. ± 5°
		X.X ± 0.20	X.X° ± 3°
		X.XX ± 0.15	X.XX° ± 2°
Revision	H	X.XXX ± 0.10	X.XXX° ± 1°
Date	07/27/15		
		Units: Metric (mm)	
		 3rd Angle Projection	
		 RoHS COMPLIANT 2011/65/EU Deca-BDE	
		 This drawing is the copyright of Global Technology, Ltd (G) This drawing must not be reproduced or disclosed without consent. E & OE	



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www.gct.co

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

Number of Contacts	Dimensions	
	A	B
2	2.54	5.58
3	5.08	8.12
4	7.62	10.66
5	10.16	13.20
6	12.70	15.74
7	15.24	18.28
8	17.78	20.82
9	20.32	23.36
10	22.86	25.90
11	25.40	28.44
12	27.94	30.98
13	30.48	33.52
14	33.02	36.06
15	35.56	38.60
16	38.10	41.14
17	40.64	43.68
18	43.18	46.22
19	45.72	48.76
20	48.26	51.30
21	50.80	53.84
22	53.34	56.38
23	55.88	58.92
24	58.42	61.46
25	60.96	64.00
26	63.50	66.54
27	66.04	69.08
28	68.58	71.62
29	71.12	74.16
30	73.66	76.70
31	76.20	79.24
32	78.74	81.78
33	81.28	84.32
34	83.82	86.86
35	86.36	89.40
36	88.90	91.94
37	91.44	94.48
38	93.98	97.02
39	96.52	99.56
40	99.06	102.10