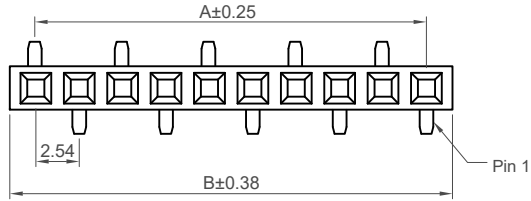
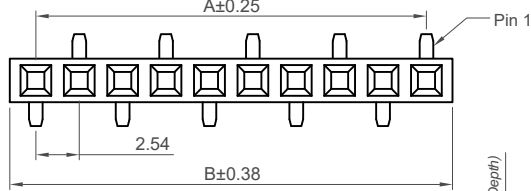


R1 Type

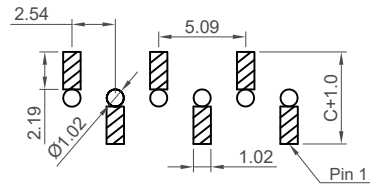


R2 Type

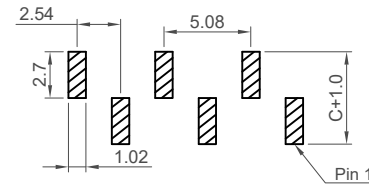


Insulator Height = 5.0mm; Pin Size = 0.75mm x 0.25mm
 Insulator Height = 7.5mm; Pin Size = 0.60mm x 0.25mm

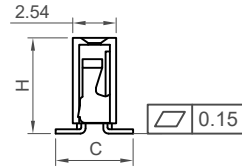
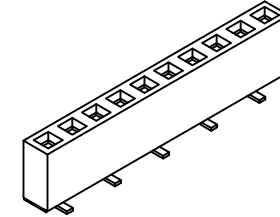
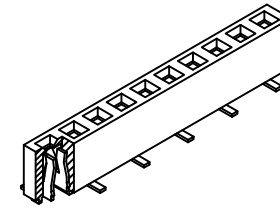
Insulator Height = 5.0mm; Min. Insertion Depth = 1.55mm
 Insulator Height = 7.5mm; Min. Insertion Depth = 2.16mm



Recommended PCB Layouts
 Bottom Entry General Tolerance ±0.05
 Solder Area



Recommended PCB Layouts
 Top Entry General Tolerance ±0.05
 Solder Area



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

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

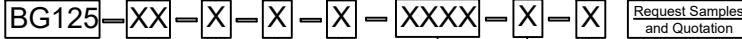
Current Rating 电流额定值: 3 Amp
 Insulator Resistance 绝缘电阻值: 1000 MΩ min.
 Contact Resistance 接触电阻值: 20 mΩ max.
 Dielectric Withstanding 耐电压: AC 600 V

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



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

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)

Type
 1 = R1 Type
 2 = R2 Type

Mates with 配套之母座 (subject to pin length 在端子长度适合的情况下)

- 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)	Units: Metric (mm)
Detail	BG125 H PCN	Length X ± 0.30 X.° ± 5°	 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
Revision	H	X.X ± 0.20 X.X° ± 3°	
Date	07/27/15	X.XX ± 0.15 X.XX° ± 2°	
		X.XXX ± 0.10 X.XXX° ± 1°	

GCT
 Global Connector Technology
 www.gct.co

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