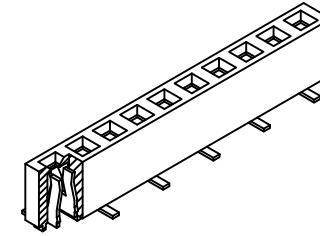
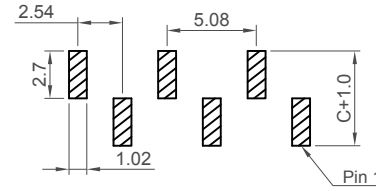
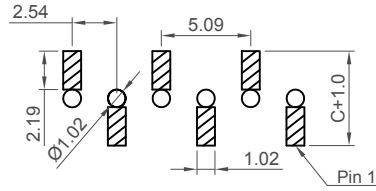
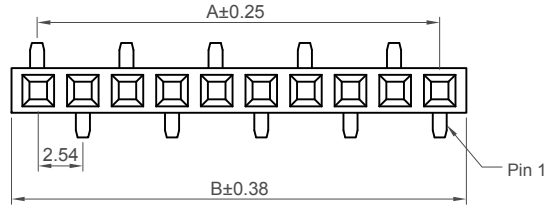
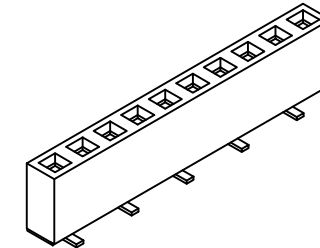
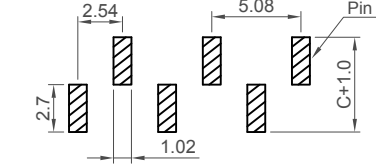
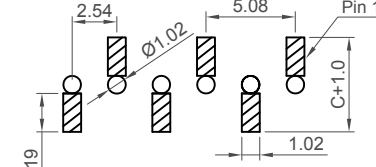
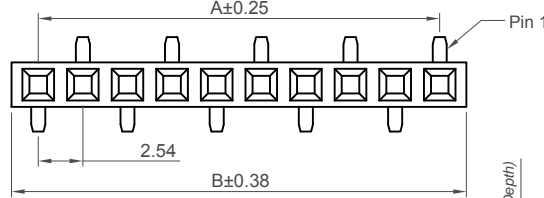


### R1 Type



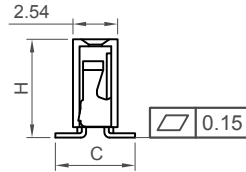
### R2 Type



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

(Minimum Insertion Depth)



#### 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: Polymer, LCP, UL 94V-0

#### Electrical 电气

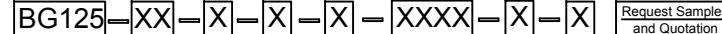
Current Rating 电流额定值: 3 Amp Per Pin  
 Insulator Resistance 绝缘电阻值: 1000 MΩ min.  
 Contact Resistance 接触电阻值: 20 mΩ max.  
 Dielectric Withstanding 耐电压: AC 600 V

#### 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

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 配套之公头 (subject to pin length 在端子长度适合的条件下)

BG020 BG030 BG031 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.

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

Part Number BG125		Product Description 2.54mm Pitch Socket Single Row, Surface Mount, Vertical, Dual Entry	
Drawing Date 30th October 2006			
By	CC	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BG125 H PCN	Length X. ± 0.30 XX ± 0.20 XXX ± 0.15 X.XXX ± 0.10	Angle X.° ± 5° XX° ± 3° XXX° ± 2° X.XXX° ± 1°
Revision	H1	3rd Angle Projection	
Date	22/06/17		



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