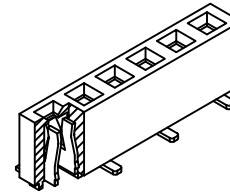
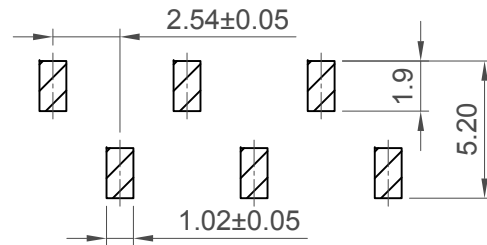
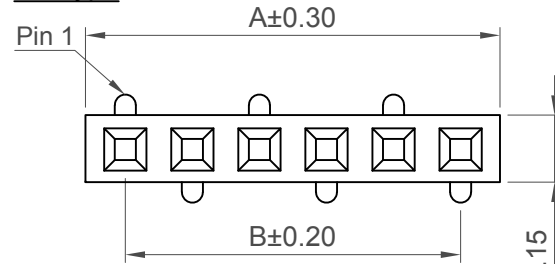


### R1 Type



Number of Contacts	Dimensions	
	A	B
2	5.58	2.54
3	8.12	5.08
4	10.66	7.62
5	13.20	10.16
6	15.74	12.70
7	18.28	15.24
8	20.82	17.78

### Specifications

#### Material

Insulator: LCP, 30% GF, UL94V-0, Natural  
Contact: Phosphor Bronze

#### Plating

Underplating: 50µ"-100µ" Nickel all over  
Contact Area: See Ordering Grid

#### Electrical

Current Rating: 3A per pin  
Contact Resistance: 20 mΩ max.  
Insulating Resistance: 1000 MΩ min.  
Dielectric Withstand Voltage: 500V AC

#### Soldering Process:

IR Reflow: 260°C for 10 sec.  
Manual Solder: 350°C for 3-5 sec.

#### Mechanical & Environmental

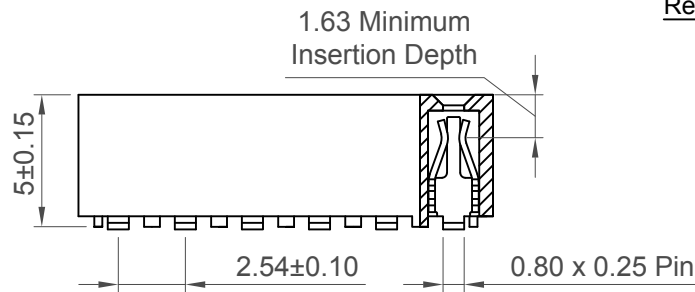
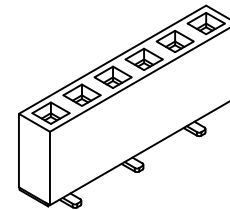
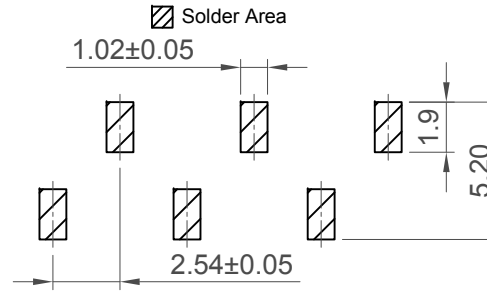
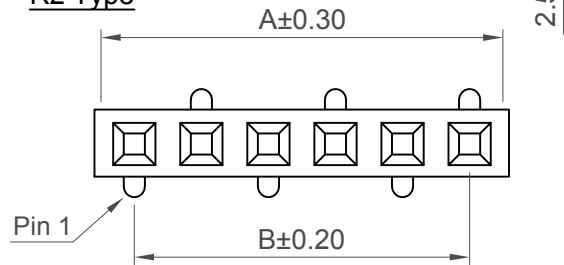
Operating Temperature: -40°C to +105°C

#### Mates With:

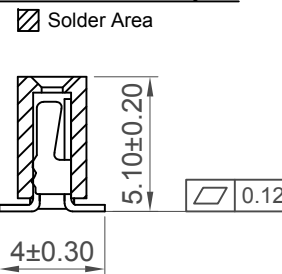
BG301 (4.00mm pin length) BG303  
BG304 BG305

Standard black version of BG306 is BG125

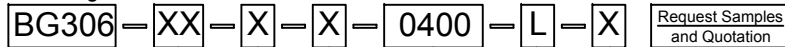
### R2 Type



### Recommended PCB Layout



#### Ordering Grid



No. of Contacts  
02 to 08

Contact Plating  
A = Gold Flash All Over  
(Other plating options available on request)

Type  
1 = R1 Type (Standard)  
2 = R2 Type

#### Packing Options

B = Tape & Reel with Cap (available in 3, 4, 5, 6, 7 & 8 contacts)  
(MOQ 1,200 pieces - Standard R1 Footprint)  
G = Plastic Box (available in 2 contacts)  
(MOQ 1,000 pieces - Standard R1 Footprint)

#### Insulator Material

L = LCP (Natural)  
Footprint width (1/100mm)  
0400 = 4.00mm

Part Number		Product Description	
BG306		2.54mm Pitch Pin Socket, Single Row	
Drawing Date		Vertical, Top Entry, Surface Mount, Natural LCP	
18th April 2012			
By	CC	Tolerances (Except as Noted)	Units:
Detail	BG306	Length	Metric (mm)
Revision	D PCN	X. ± 0.30	
Date	D3	X.X ± 0.20	
	05/06/20		

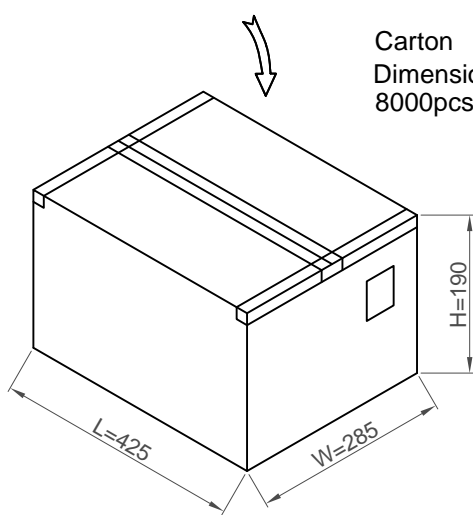
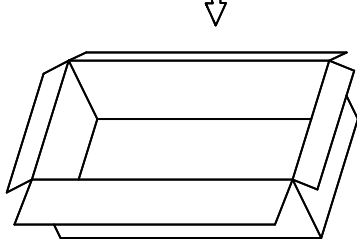
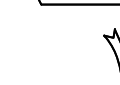
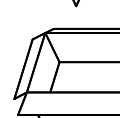
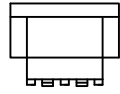


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2 Pin







PE Bag  
Dimension : 160 x 105,T=0.01  
1000pcs/PE Bag

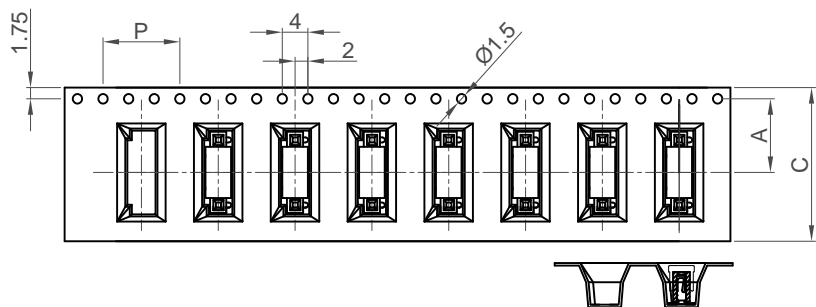
Box  
Dimension : 130 x 90 x 60 mm  
1000pcs/Box

Carton  
Dimension : 425 x 285 x 190 mm  
8000pcs/Carton

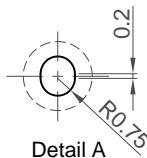
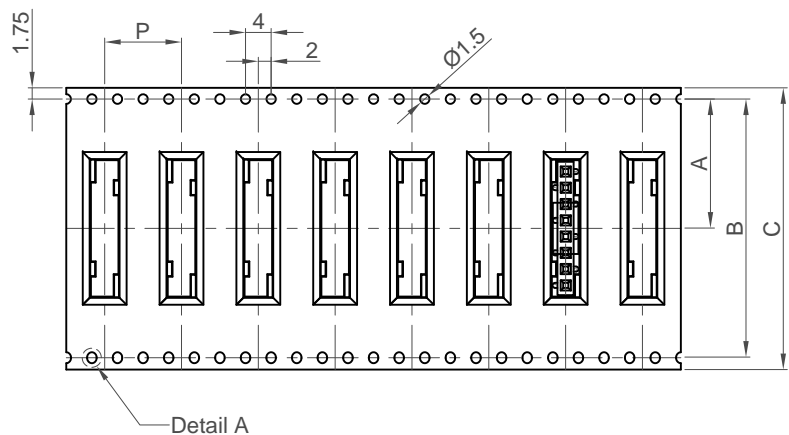
Pins	pcs/PE Bag	pcs/Box	Boxes/Carton	pcs/Carton
2	1000	1000	8	8,000

Part Number BG306		Product Description 2.54mm Pitch Pin Socket, Single Row Vertical, Top Entry, Surface Mount, Natural LCP		 <a href="http://www.gct.co">www.gct.co</a>
Drawing Date 18th April 2012				
By	CC	Tolerances (Except as Noted)	Units:	  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
Detail	BG306 D PCN	Length X. ± 0.30 X.X ± 0.25 X.XX ± 0.20 X.XXX ± 0.15	Angle X.° ± 4° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°	
Revision	D3	Metric (mm)		
Date	05/06/20	 3rd Angle Projection		
				Not to Scale Drawn By ASE Sheet No. 2/3

**3,4,5 Pin**

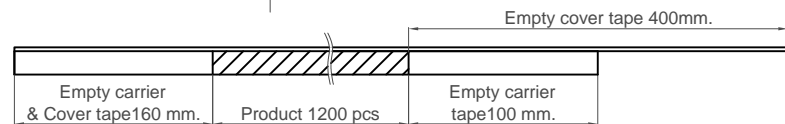
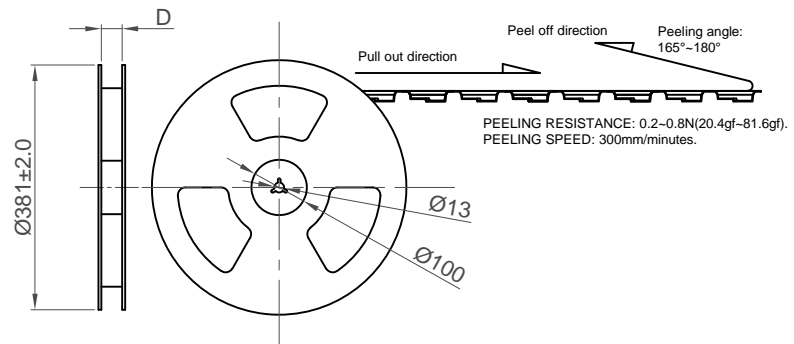


**6,7,8 Pin**

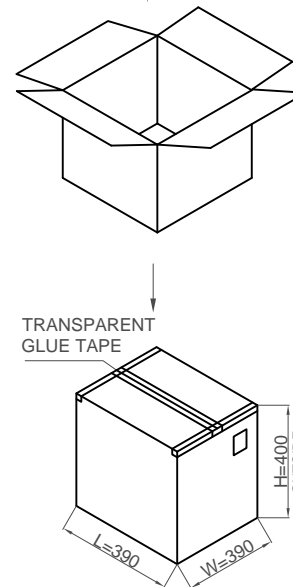
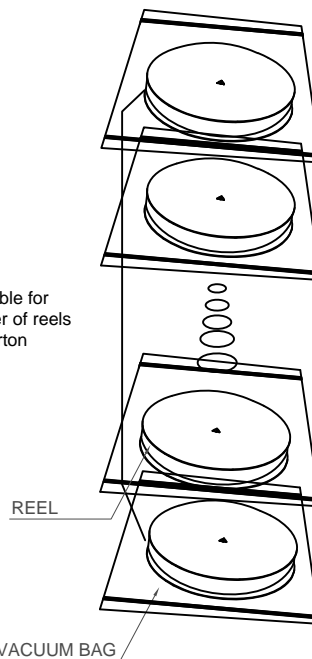


No. of Contacts	Dimensions				
	A	B	C	D	P
3,5	11.5±0.25	/	24±0.30	24 <sup>+2</sup> <sub>0</sub>	12±0.25
4	11.5±0.25	/	24±0.30	24 <sup>+2</sup> <sub>0</sub>	8±0.25
6	14.2±0.25	28.4±0.25	32±0.30	32 <sup>+2</sup> <sub>0</sub>	12±0.25
7	14.2±0.25	28.4±0.25	32±0.30	32 <sup>+2</sup> <sub>0</sub>	8±0.25
8	20.2±0.25	40.4±0.25	44±0.30	44	12±0.25

Pins	Pieces/Reel	Reels/Carton	Pieces/Carton
3,4,5	1200	10	12,000
6,7	1200	8	9,600
8	1200	6	7,200



See table for number of reels per carton



Part Number BG306		Product Description 2.54mm Pitch Pin Socket, Single Row Vertical, Top Entry, Surface Mount, Natural LCP	
Drawing Date 18th April 2012			
By	CC	Tolerances (Except as Noted)	Units: Metric (mm)
Detail	BG306 D PCN	Length X. ± 0.30 X.X ± 0.25 X.XX ± 0.20 X.XXX ± 0.15	Angle X.° ± 4° X.X° ± 3° X.XX° ± 2° X.XXX° ± 1°
Revision	D3	3rd Angle Projection	
Date	05/06/20		

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