

Technical drawing of a rectangular plate with six square holes and six circular holes. Dimension A is the total length, $A \pm 0.30$. Dimension B is the distance between the first and last square hole, $B \pm 0.20$. Pin 1 points to the first square hole. A vertical dimension of 15 is shown on the right.

Re

1.63 Minimum Insertion Depth

5±0.15

2.54±0.10

0.80 x 0.25 Pin

Figure 1: Solder Area

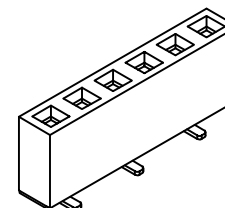
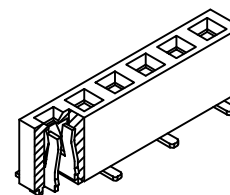
1.02±0.05

2.54±0.05

1.9

5.20

Solder Area



Specifications

Insulator: Polymer, LCP, UL94V-0, Natural
Contact: Phosphor Bronze

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

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

Operating Temperature: -40°C to +125°C
Soldering Process:
IR Reflow: 260°C for 10 sec.
Manual Solder: 350°C for 3-5 sec.

BG301 (4.00mm pin length) BG303
BG304 BG305

Standard black version of BG306 is BG125

BG306-XX-X-X-0400-L-X [Request Samples and Quotation](#)

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

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

B = Tape & Reel with Cap (available in 3, 4, 5, 6, 7 & 8 contacts)
G = Plastic Box (available in 2 contacts)

Insulator Material
L = LCP

Footprint width (1/100mm)
0400 = 4.00mm

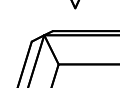
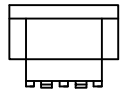
Part Number		Product Description	
BG306		2.54mm Pitch Pin Socket, Single Row	
Drawing Date		Vertical, Top Entry, Surface Mount, Natural LCP	
18th April 2012			
By	MW	Tolerances (Except as Noted)	Units:
		Length	Metric (mm)
Detail	BG306 D PCN		
Revision	D4	X. $\pm$ 0.30	
Date	09/09/26	X.X $\pm$ 0.20	 3rd Angle Projection
		Halogen Free C 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	



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2 Pin



PE Bag

Dimension : 160 x 105,T=0.01

1000pcs/PE Bag

Box

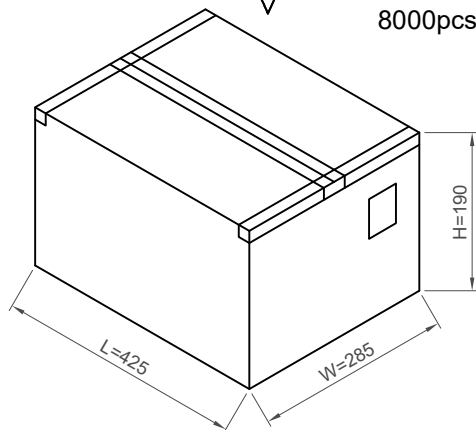
Dimension : 130 x 90 x 60 mm

1000pcs/Box

Carton

Dimension : 425 x 285 x 190 mm

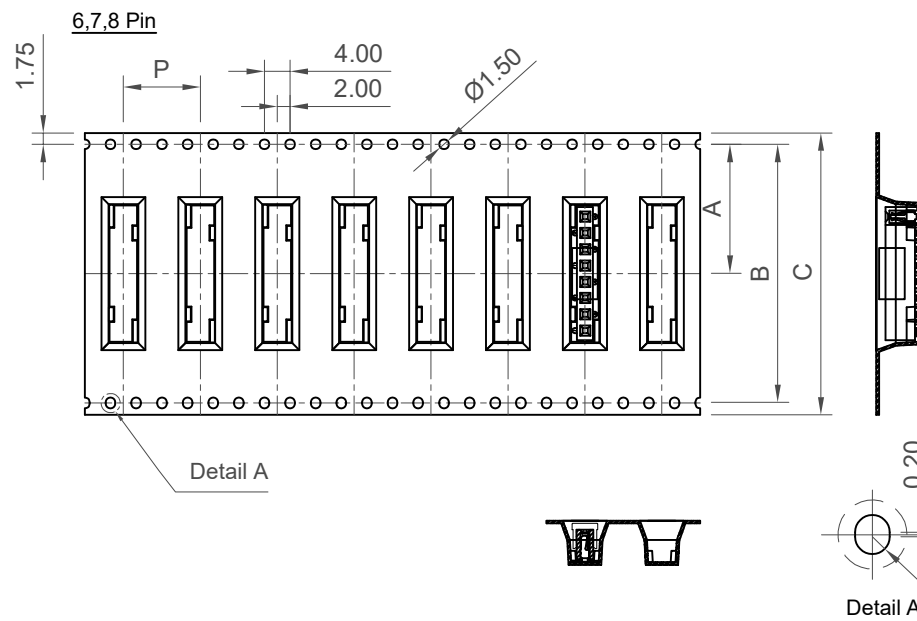
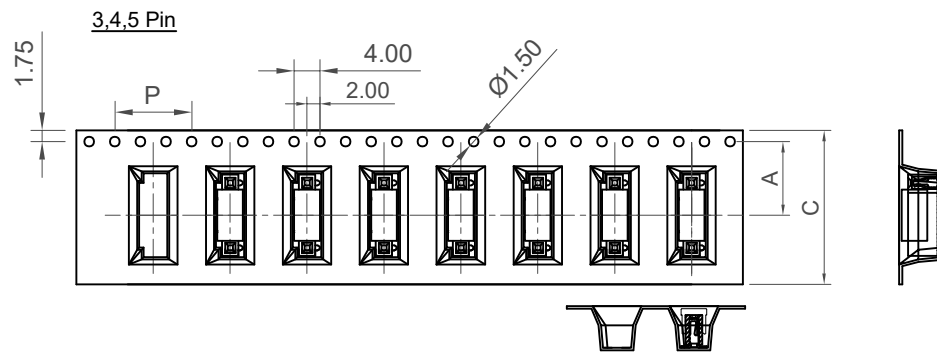
8000pcs/Carton



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

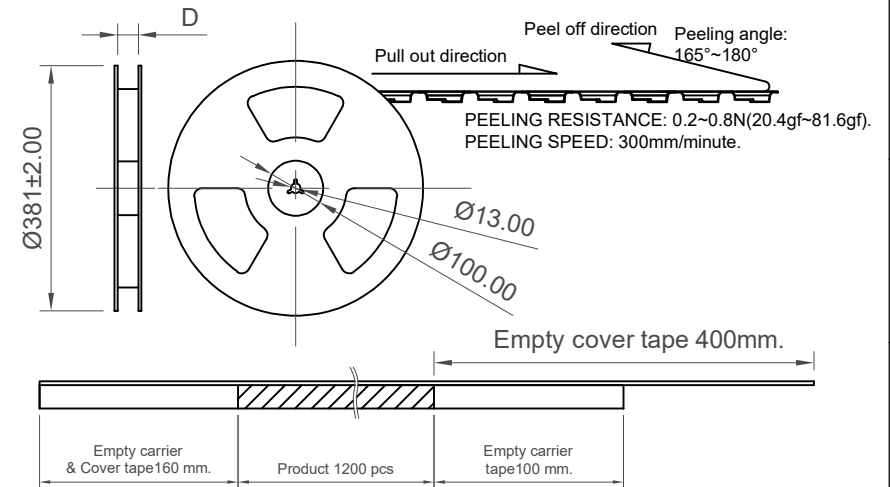
Part Number		Product Description				 www.gct.co
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Detail	BG306 D PCN	Length	Angle	Metric (mm)		
Revision	D4	X. ± 0.30	-			
Date	09/09/26	X.X ± 0.20		3rd Angle Projection		
						Not to Scale
						Drawn By ASE
						Sheet No. 2/3

H
G
F
E
D
C
B
A

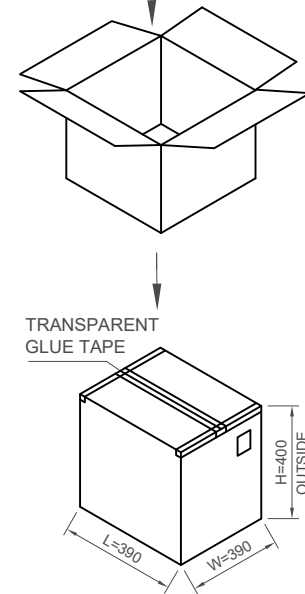
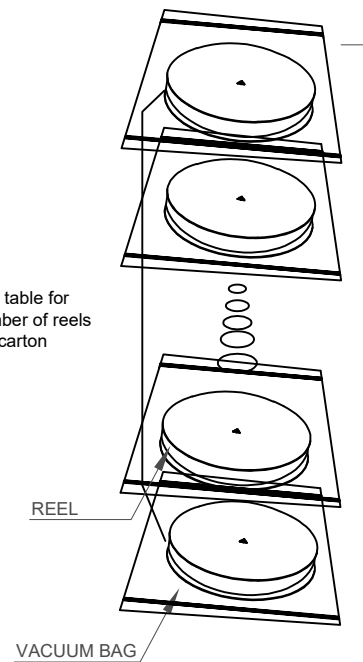


No. of Contacts	Dimensions				
	A	B	C	D	P
3,5	11.5±0.25	/	24±0.30	24 ⁺² ₀	12±0.25
4	11.5±0.25	/	24±0.30	24 ⁺² ₀	8±0.25
6	14.2±0.25	28.4±0.25	32±0.30	32 ⁺² ₀	12±0.25
7	14.2±0.25	28.4±0.25	32±0.30	32 ⁺² ₀	8±0.25
8	20.2±0.25	40.4±0.25	44±0.30	44	12±0.25

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



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Detail	BG306	Length	Metric (mm)
	D PCN	Angle	
Revision	D4	X ± 0.30	
Date	09/09/26	X.X ± 0.20	
			3rd Angle Projection

Halogen Free

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