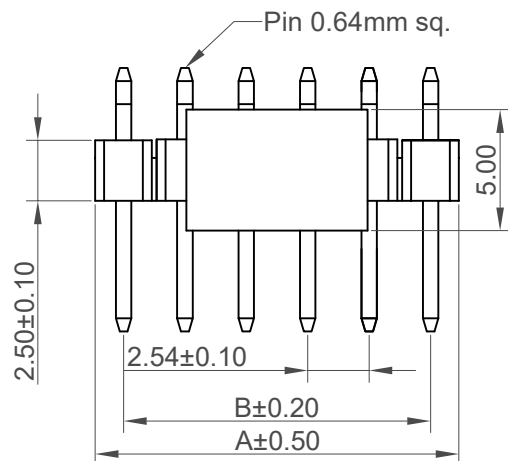
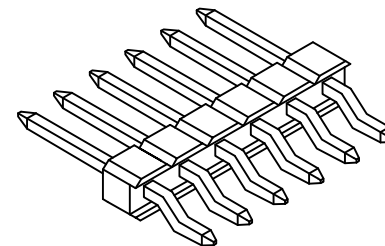


Recommended PCB Layout

General Tolerance: ± 0.05

Solder Area



Specifications

Material

Insulator: Polymer, LCP, UL94V-0 Natural
Contact: Copper Alloy

Plating

Underplating: 30 μ "-50 μ " Nickel all over
Contact Area: See Ordering Grid

Electrical

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

Mechanical & Environmental

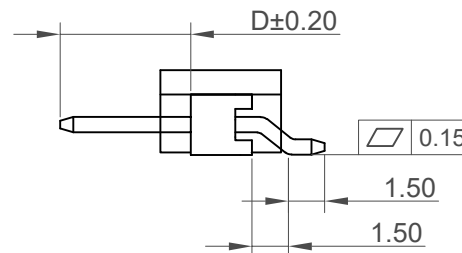
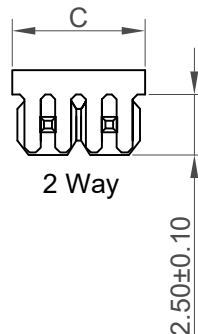
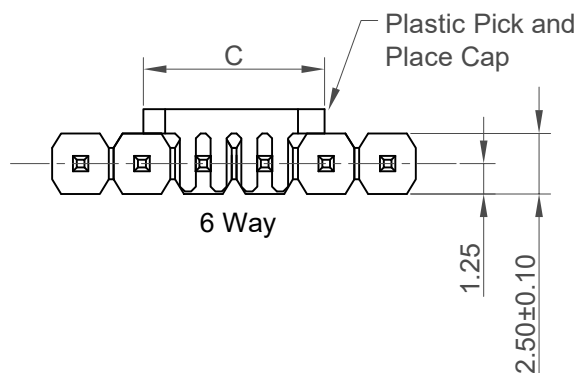
Operating Temperature: -40°C to +125°C
Soldering Process:
IR Reflow: 260°C for 10 sec.
Manual Solder: 350°C for 3-5 sec.

Mates with:

BG300 - Horizontal mating - Choose 5.4mm header pin length
BG306 - Perpendicular mating - Choose 4.0mm header pin length -
Higher MOQ may apply

NOTES:

Standard black version BG301 is BG080



CONTACTS	DIMENSIONS		
	A	B	C
02	5.08	2.54	5.50
03	7.62	5.08	7.50
04	10.16	7.62	7.50
05	12.70	10.16	7.50
06	15.24	12.70	7.50

Ordering Grid
BG301-XX-X-XXXX-L-B [Request Samples and Quotation](#)

No. of Contacts
02 to 06

Contact Plating
A = Gold Flash All Over
B = Selective Gold Flash Contact Area/
Tin On Tail
C = Tin All Over
(Other plating options available on request)

Packing Options
B = Tape and Reel with Cap

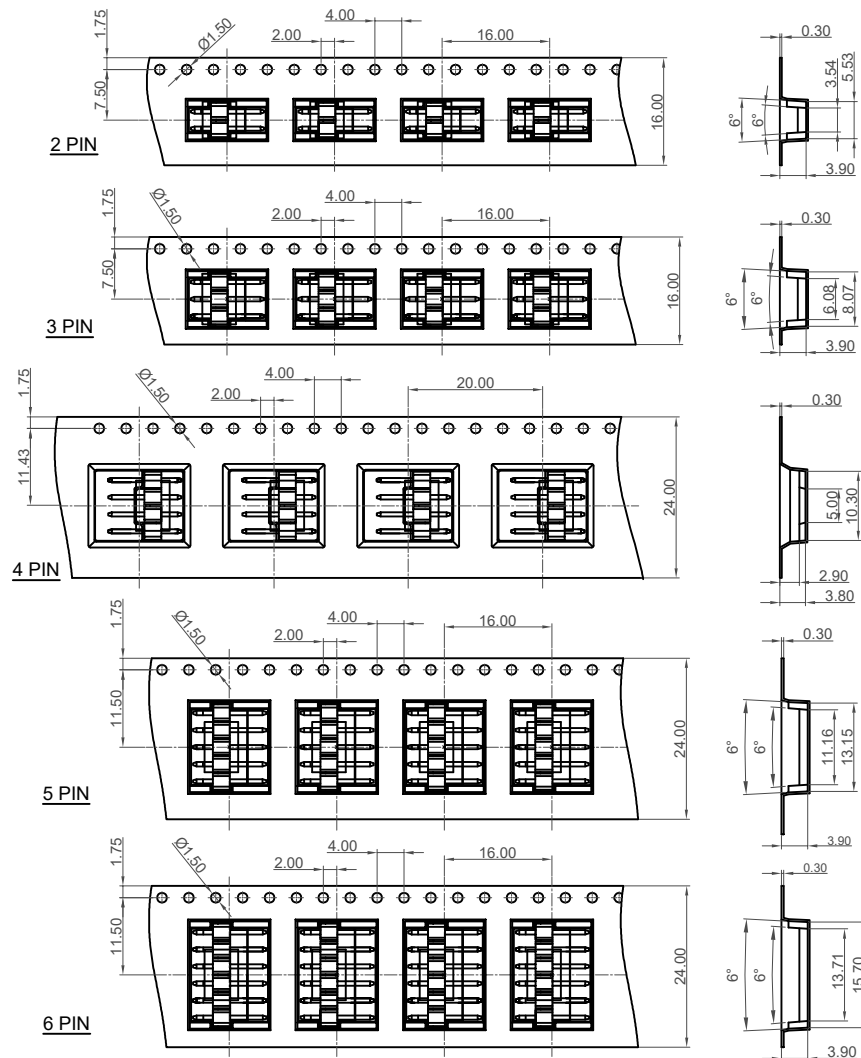
Insulator Material
L = LCP (Natural)

Dimension D - Post Length
0400 = 4.00mm (Standard when mating with BG306)
0540 = 5.40mm (Standard when mating with BG300)
or Specify Custom Post Length
eg 0250 = 2.50mm
(Maximum 3000=30.00mm)
(Minimum 0100=1.00mm)

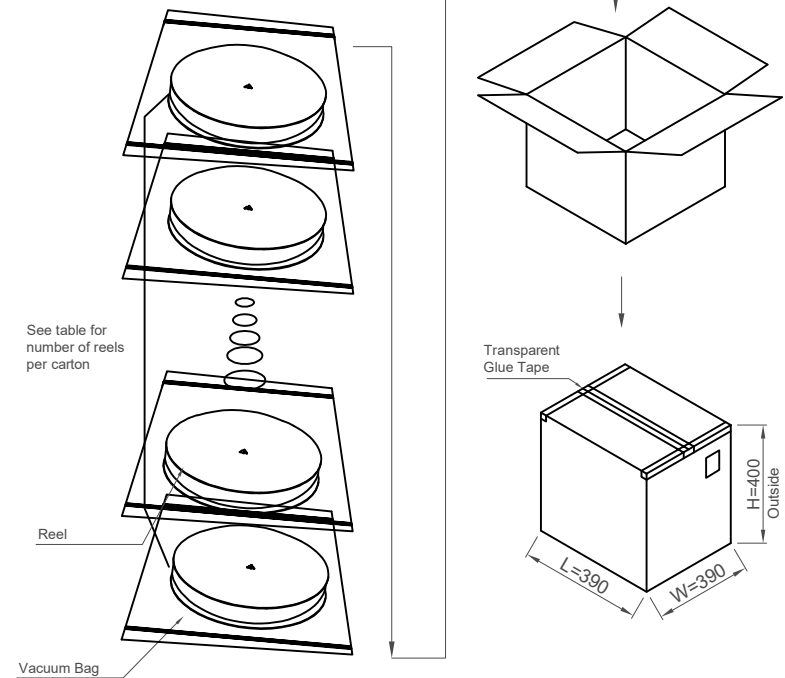
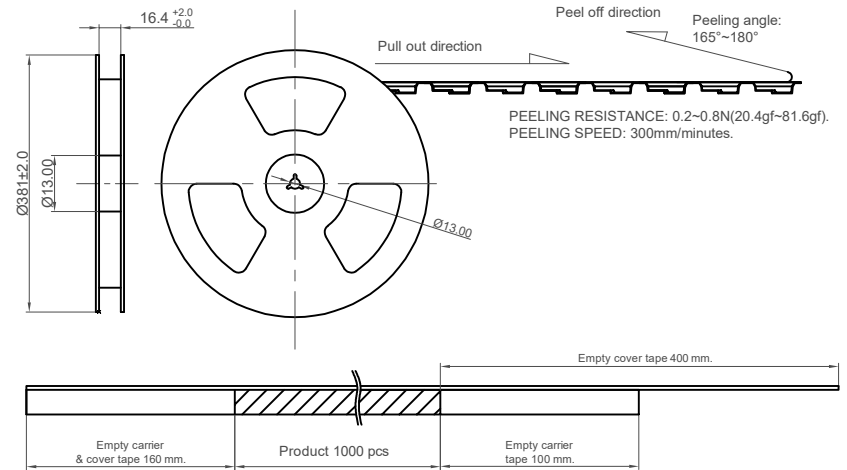
Part Number		Product Description	
BG301		2.54mm Pitch Pin Header, Single Row, Surface Mount, Horizontal, without Locating Peg, Natural LCP	
Drawing Date			
7th December 2011			
By	MW	Tolerances (Except as Noted)	Units:
Detail	BG301 C PCN	Length	Metric (mm)
Revision	C6	Angle	
Date	04/09/26	X.X $\pm$ 0.30 X.XX $\pm$ 0.20	
			Halogen Free
		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	
Not to Scale	Drawn By CM	Sheet No. 1/2	

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FOR 5.40mm PIN LENGTH ONLY



PINS	UNITS/REEL	REELS PER CARTON	CARTON	TOTAL CARRIER TAPE LENGTH
2 & 3	1000 PCS	16	16,000	16.5 m
4	1000 PCS	10	10,000	20.7 m
5 & 6	1000 PCS	10	10,000	16.5 m



Part Number		Product Description			
BG301		2.54mm Pitch Pin Header, Single Row, Surface Mount, Horizontal, without Locating Peg, Natural LCP			
Drawing Date					
7th December 2011					
By	MW	Tolerances (except as Noted) Length Angle	Units: Metric (mm)	Halogen Free ©	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	BG301 C PCN				
Revision	C6	 3rd Angle Projection			
Date	04/09/26				

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