

Specifications 规格

Material 物料
 Insulator 绝缘体: Polymer 聚合物, LCP 30% glass filled, Natural, UL94V-0
 Contact 接触: Copper Alloy

Plating 电镀
 Underplating 底层电镀: 30µ"-50µ" Nickel all over
 Contact Area 接触部分: See ordering grid

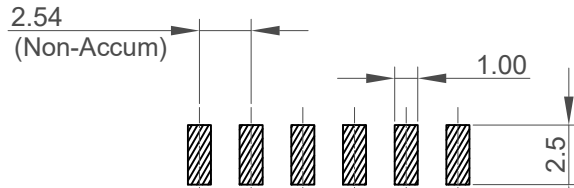
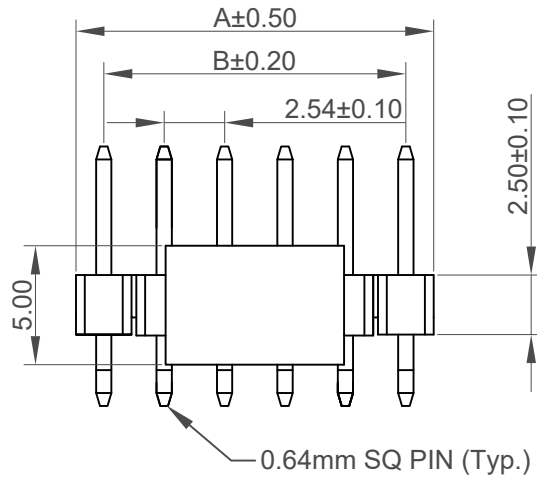
Electrical 电气
 Current Rating 电流额定值: 3A per pin
 Contact Resistance 接触电阻值: 20 mΩ max.
 Insulating Resistance 绝缘电阻值: 1000 MΩ min.
 Dielectric Withstand Voltage 耐电压: 500V AC

Mechanical & Environmental 机械 & 环境
 Operating Temperature 工作温度: -40°C to +105°C

Soldering Process 可焊性:
 IR Reflow 回流焊: 260°C for 10 secs
 Manual Solder 人工焊接: 350°C for 3-5 secs

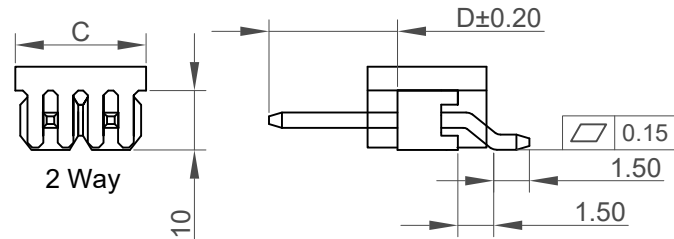
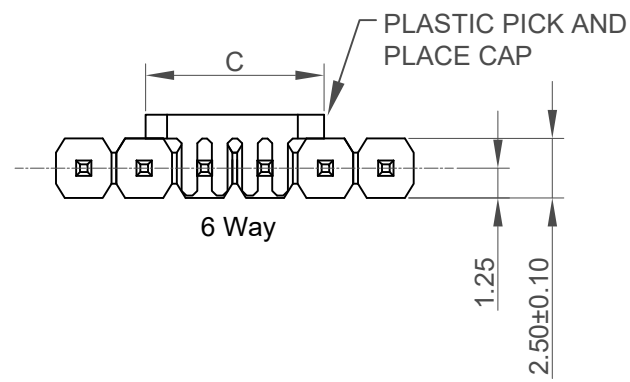
Mates with 配套之母座:
 BG300 - Horizontal mating - Choose 5.4mm header pin length
 BG300 - 水平交配 - 选择 5.4mm 的头脚长度
 BG306 - Perpendicular mating - Choose 4.0mm header pin length - Higher MOQ may apply
 BG306 - 垂直交配 - 选择 5.4mm 的头脚长度 - 更高MOQ可能申请

NOTES备注:
 Standard black version BG301 is BG080
 BG301的标准黑色塑胶版本为料号为BG080



Recommended PCB Layout
 General Tolerance: ±0.05

▨ Solder Area



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
 (Other plating options available on request)

Packing Options
 B = Tape and Reel with Cap
 (MOQ 1,000 pcs on 5.4mm post length)
 (check with GCT for MOQ on 4.0mm post length)

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

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	CC	Tolerances (Except as Noted)	Units:
Detail	BG301	Length	Metric (mm)
Revision	C PCN	Angle	3rd Angle Projection
Date	C2	X.X ± 0.30	
		X.XX ± 0.20	

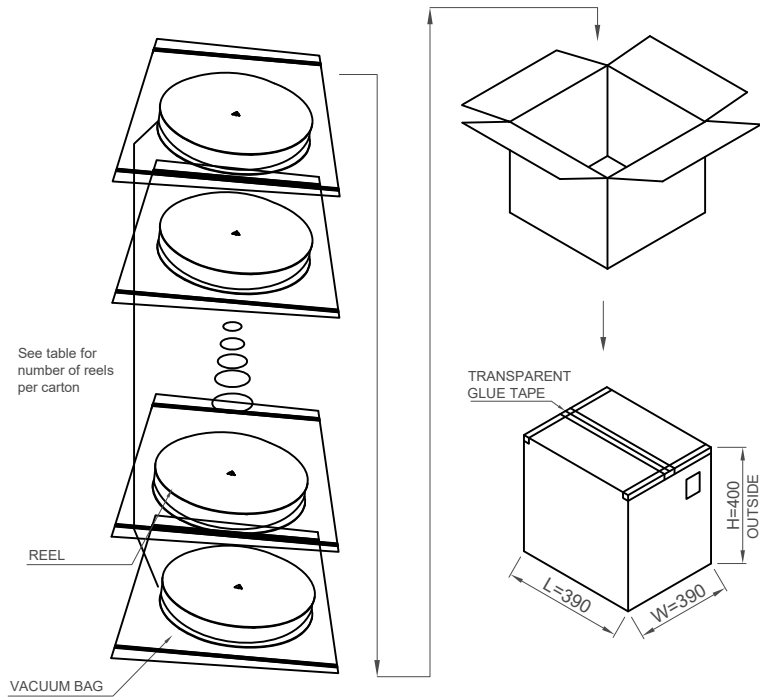
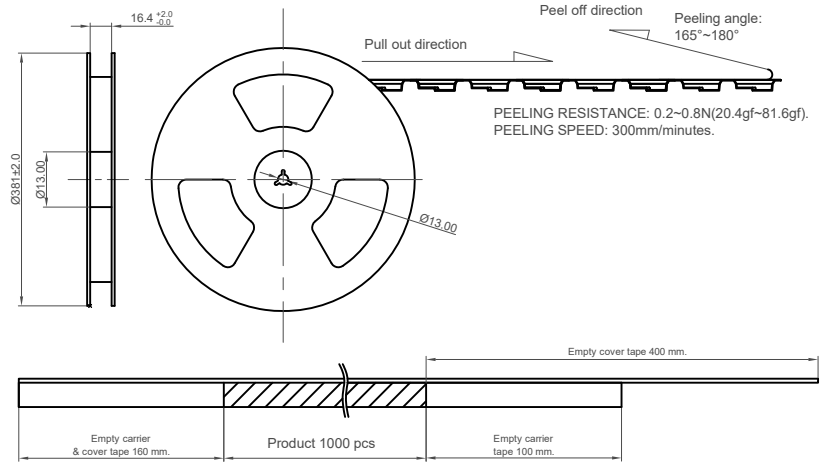
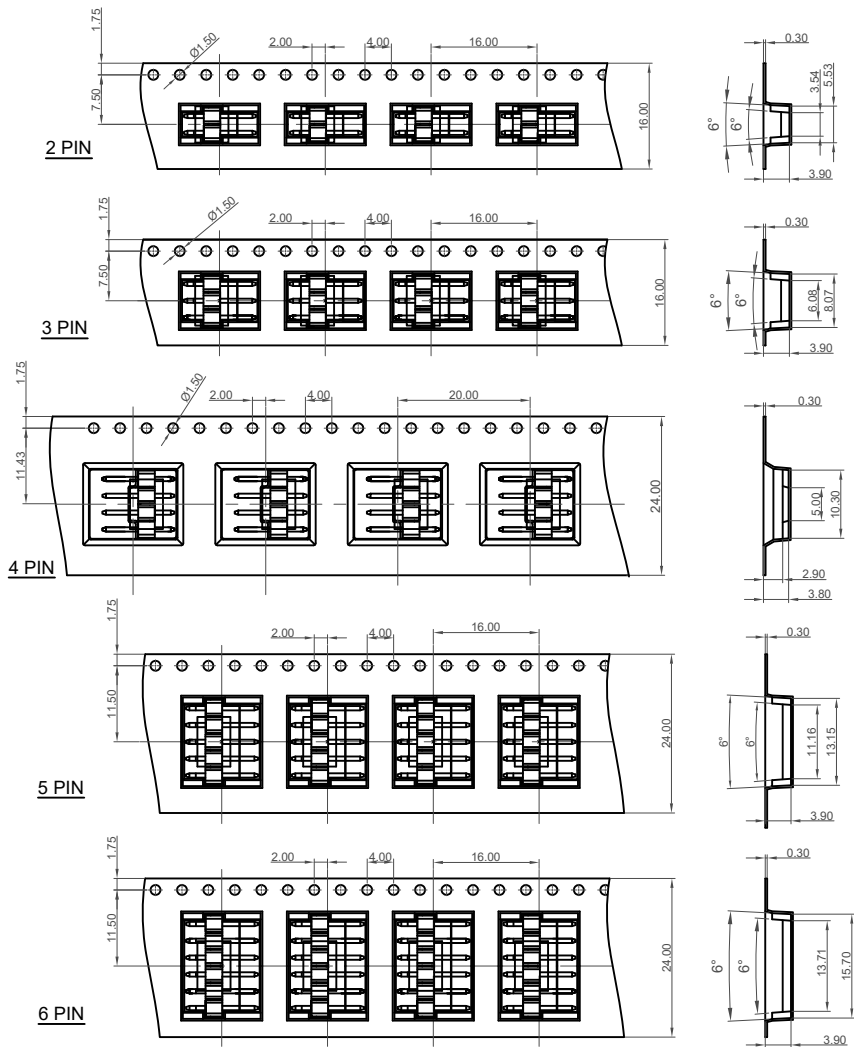


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FOR 5.40mm PIN LENGTH ONLY



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	CC	Tolerances (Except as Noted)	Units:
Detail	BG301	Length	Metric (mm)
Revision	C PCN	Angle	3rd Angle Projection
Date	30/11/16		



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