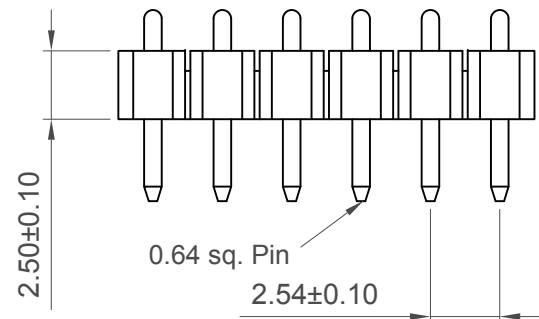


Recommended PCB Layout
(Tolerance: ±0.05mm)



No. of Contacts	Dimensions	
	A	B
2	5.08	2.54
3	7.62	5.08
4	10.16	7.62
5	12.70	10.16
6	15.24	12.70
7	17.78	15.24
8	20.32	17.78
9	22.86	20.32
10	25.40	22.86
11	27.94	25.40
12	30.48	27.94

Ordering Grid
BG305 - **XX** - **X** - **0500** - **L** - **X** Request Samples and Quotation

No. of Contacts
02 to 12

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

Packing Options
G = Plastic Box (Standard packing for 2 contacts)
D = Tube (Standard packing for 3-6 contacts)

Insulator Material
L = LCP (Natural)

Dimension D (Footprint width)
0500 = 5.00mm (Standard)
 Or specify custom Footprint Width
 e.g. 1000 = 10.00mm
 (Maximum 2500=25.00mm)
 (Minimum 0500=5.00mm)

Specifications

Material
 Insulator: LCP, UL94V-0, Natural
 Contact: Brass

Plating
 Underplating: 30µ"-50µ" Nickel
 Contact Area: Gold Flash

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

Mechanical & Environmental
 Operating Temperature: -40°C to +105°C
 Soldering Process:
 Wave : 250°C for 5-10 sec.
 Manual Solder: 350°C for 3-5 sec

Mates with:
 BG306 or Direct solder to PCB

Part Number BG305		Product Description 2.54mm Pitch Pin Header, Single Row, U-Shaped, Thru-Hole, Dual Insulator, Natural LCP		GCT www.gct.co
Drawing Date 7th December 2011				
By CC	Drawing Release A4	Tolerances (Except as Noted) Length Angle	Units: Metric (mm)	
Detail	Date 01/11/17	X.X ± 0.30 X.XX ± 0.20	 	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
Revision				Not to Scale Drawn By CM
				Sheet No. 1/1