

**RECOMMENDED PCB LAYOUT**

General Tolerance: ±0.05

**Specifications**

**Material**

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

**Plating**

Underplating: 30µ"-50µ" 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

**Mechanical & Environmental**

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

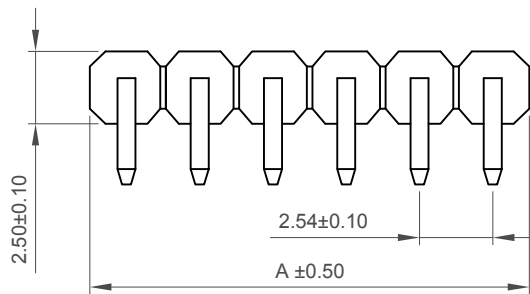
**Soldering Process:**

Wave: 250°C for 5-10 secs  
Manual Solder: 350°C for 3-5 secs

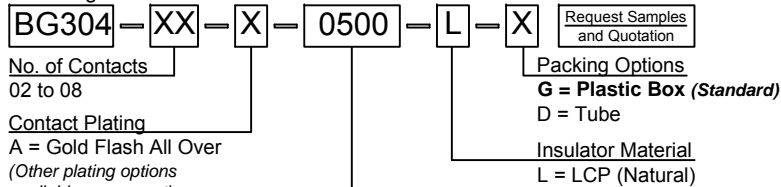
**Mates with:**

A: BG306  
B: Direct solder to PCB

**6 Position Example**



**Ordering Grid**



**Dimension D (Footprint width)**

**0500 = 5.00mm (Standard)**

Or Specify Dimension D  
e.g. 1000 = 10.00mm  
(Maximum 2500=25.00mm)  
(Minimum 0320=3.20mm)

| 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 |
| 8        | 20.32      | 17.78 |

|              |                 |   |             |
|--------------|-----------------|---|-------------|
| Part Number  |                 | Product Description   |             |
| BG304        |                 | 2.54mm Pitch Pin Header, Single Row, U-Shaped, Thru-Hole, Single Insulator, Natural LCP |             |
| Drawing Date |                 | 7th December 2011   |             |
| By           | CC              | Tolerances (Except as Noted)  | Units:      |
| Detail       | Drawing Release | Length  | Metric (mm) |
| Revision     | A3              | Angle   |             |
| Date         | 24/04/18        | X.X ± 0.30  |             |
|              |                 | X.XX ± 0.20   |             |



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|              |             |               |
|--------------|-------------|---------------|
| Not to Scale | Drawn By CM | Sheet No. 1/1 |
|--------------|-------------|---------------|