



RECOMMENDED PCB LAYOUT

The material contained in this drawing is the property of XiBang. Any use other than that specifically authorized by XiBang is prohibited. The above drawing IS subjected to change for improvement without prior notice.

Note:

- Material (材料):
  - Housing: PA9T (胶芯: PA9T)
  - Barrel: Brass C3604 (针管: 黄铜 C3604)
  - Plunger: Brass C3604 (针管: 黄铜 C3604)
  - Spring: SUS304 (弹簧: SUS304)
  - Magnet: NdFeB (磁铁: 钕铁硼)
- Plating (电镀):
  - Barrel: 3u' Au over 50u'~80u' Ni (针管: 镀金3u', 镍底50u'~80u'.)
  - Plunger: 3u' Au over 50u'~80u' Ni (针头: 镀金3u', 镍底50u'~80u'.)
  - Magnet: Zn plated (镀锌)
  - Spring: Not plated (弹簧: 不电镀)
- Electrical (电气特性):
  - Rated Current & Voltage: DC 12V;1A (额定电压&电流: 直流12V,1A)
  - Contact Resistance: 50 mohm Max. at working height. (接触电阻: 最大50毫欧 (在工作高度状态下))
  - Insulation Resistance: 1,000MΩ minimum. (绝缘电阻: 1,000MΩ以上)
  - Dielectric Withstand Voltage: 500VAC/minute. (抗冲击电压: 500VAC/minute)
- Mechanical (机械性能):
  - Force: 30g±20% at working height. (30g±20% 在工作高度)
  - Durability: 10,000 cycles (min) (寿命: 10000次)
- Work Temperature (工作环境):
  - Withstanding Higt Temperature: 280℃
  - Operational Temperature: ?20℃~ ?70℃

**XB** 东莞市溪榜电子有限公司  
DONG GUAN XI BANG ELECTRONICS CO., LTD.

TOLERANCE UNLESS OTHERWISE STATED:  
Up to 5 ±0.2  
Above 5 ~ 15 ±0.3  
Above 15 ~ 30 ±0.4  
Above 30 ~ 50 ±0.5  
Angle ±0.3

3RD. ANGEL'S

UNITS MM

DRAWN BY: GAO. PENG 2024/5/26	DATE	MAT'L	TITLE	CONNECTOR
CHECKED BY: HE. LONG. FEI 2024/5/26	DATE	FINISH	MODLE	POGO PIN
APPROVED BY: PANG. DONG 2024/5/26	DATE	SCALE	DWG. NO.	XB-PGC-CT-G-250D-3P
		SHEET NO.	PART NO.	Thimble Connector
		1 of 1		SIZE A4 VER R

ITEM NO.	DESCRIPTION	DRAWN	DATE