

RECOMMEND PCB LAYOUT

Notes:

Characteristics:

A. Material (材料):

- 1) Housing: High Plastic BLACK (UL94V-0)
- 2) Plunger: brass c3604
- 3) Barrel: brass c3604
- 4) Spring: Stainless steel wire.

B. Plating (电镀):

- 1) Plunger: Brass, Plating 3u' Au over Min. 50u' Ni.
- 2) Barrel: Brass, Plating 3u' Au over Min. 50u' Ni.
- 3) Spring: Stainless steel wire. Plating Min. 1u' Au

C. Electrical (电气特性):

- 1) Operating voltage: 12V Max.
- 2) Operating current: 1A 3A Max.
- 3) Contact resistance: 30mohm Max. at working height (Quiescence).

D. Mechanical (机械性能):

- 1) Total stroke: 1.20mm.
- 2) Working height: 0.7mm.
- 3) Spring Force: 65gf±10gf at working height
- 4) Mechanical life: 10,000 cycle min.
- 5) Don't exceed the Max. allowed compression

E. Environmental (环境):

- 1) Storage and operating temperature range: -40°C~+85°C
- 2) Humidity range: 10% RH to 90% RH
- 3) Salt spray: 48H

F. Others (其他):

- 1) The dimensions marked * are critical, Should be checked in production
- 2) RoHS compliant product.

Note:

1: Material (材料):

Housing: PA9T (胶芯: PA9T)

Pin: Brass C3604 (针体: 黄铜 C3604)

Magnet: NdFeB (磁铁: 钕铁硼)

2: Plating (电镀):

Pin: 3u' Au over 50u'~80u' Ni

(针体: 镀金3u', 镍底50u'~80u'.)

Magnet: Zc plated (磁铁: 镀锌)

3: Electrical (电气特性):

Insulation Resistance: 1,000MΩ minimum.

(绝缘电阻: 1,000MΩ以上)

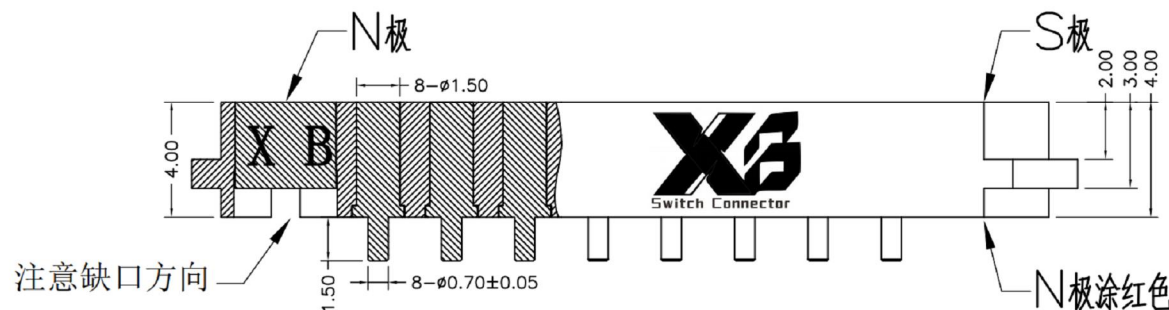
Dielectric Withstand Voltage: 500VAC/minute.

(抗电压: 500VAC/minute)

4: Work Temperature (工作环境):

Withstanding Higt Temperature: 280°C

Operational Temperature: ?20°C~ ?70°C



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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: DATE

GAO. PENG 2024/5/26

CHECKED BY: DATE

HE. LONG. FEI 2024/5/26

APPROVED BY: DATE

PANG. DONG 2024/5/26

MAT'L

FINISH

SCALE

SHEET NO.

TITLE CONNECTOR

MODLE POGO PIN

DWG NO.

PART NO.

XB-PGC-CT-254M-8P

Thimble Connector

SIZE

A4

VER

R