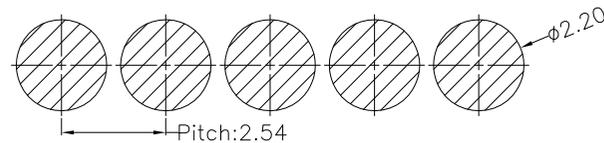
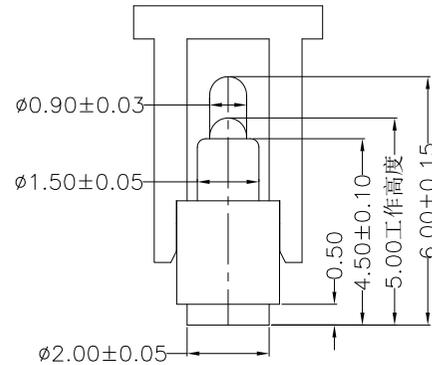
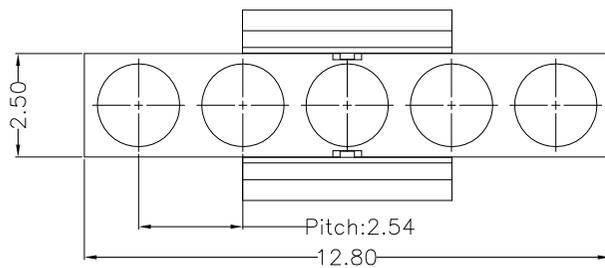
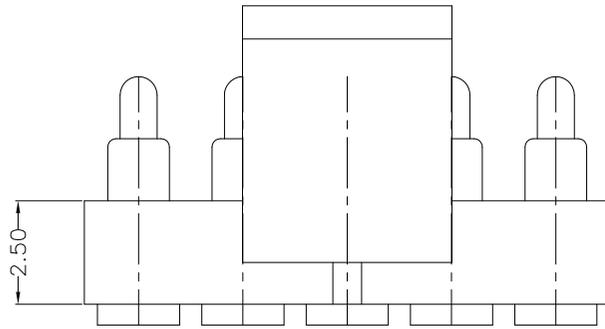
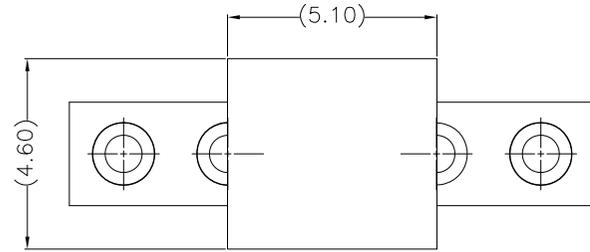


# GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2025/04/14	Wu Zonlin



RECOMMENDED PCB LAYOUT  
Tolerance:  $\pm 0.05\text{mm}$

## 技术要求:

### 1.材料

针轴: 无铅铜,表面镀金至少3u", 底层镀镍60-120u"

针管: 无铅铜,表面镀金至少3u", 底层镀镍60-120u"

弹簧: 不锈钢304

胶芯: 耐高温塑胶, 黑色

### 2.机械性能

压缩行程: 1.50 mm

单针弹力: 在工作高度时,弹力60g $\pm$ 15g

机械寿命: 10,000次

### 3.电气特性

额定电压&电流: DC 12V,2.0A

接触阻抗: 100毫欧最大

电流大于1A时建议增加延时控制电路(3S)

### 4.环境

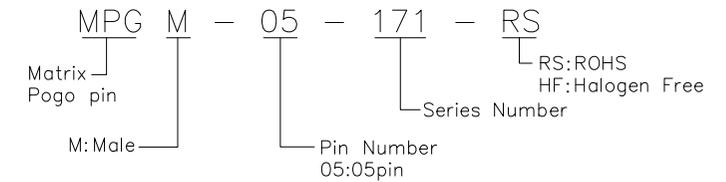
工作温度范围: -40 to +85 $^{\circ}\text{C}$

焊锡耐热性: 260 $^{\circ}\text{C}$   $\pm 5^{\circ}$  10s $\pm$ 2s

产品符合RoHS环保要求

### 5.载带包装

MATRIX PART NO:



Matrix Electronics Co., Ltd

<b>TOLERANCE:</b> 0~6 $\pm 0.10\text{mm}$ >6~30 $\pm 0.20\text{mm}$ >30~120 $\pm 0.30\text{mm}$ >120 $\pm 0.50\text{mm}$ ANGLE $\pm 5^{\circ}$	DESIGN BY : Wu Zonlin	DATE : 2025/04/14	PART NAME: Pogopin.com	
	CHECKED BY: Hanson Huang	DATE : 2025/04/14	PART NO.	MPGM-05-171-RS
 UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2025/04/14	MOLD NO.	NA
	APPROVED BY2: Richard Hsieh	DATE : 2025/04/14	DRAW NO.	
SCALE:1:1	SIZE:A4		SHEET NO.	1 OF 1