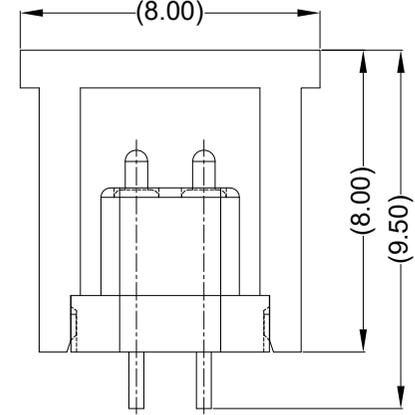
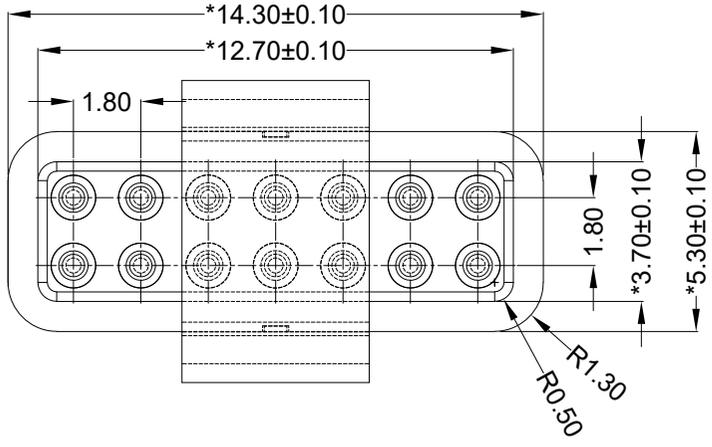
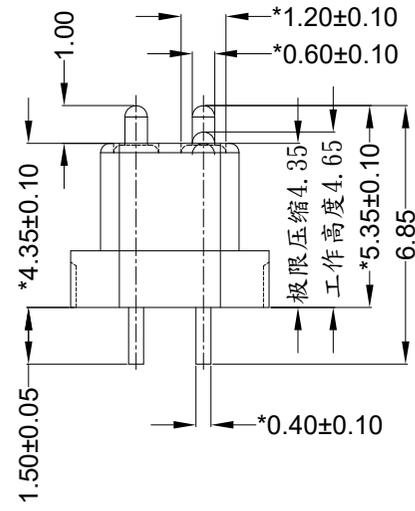
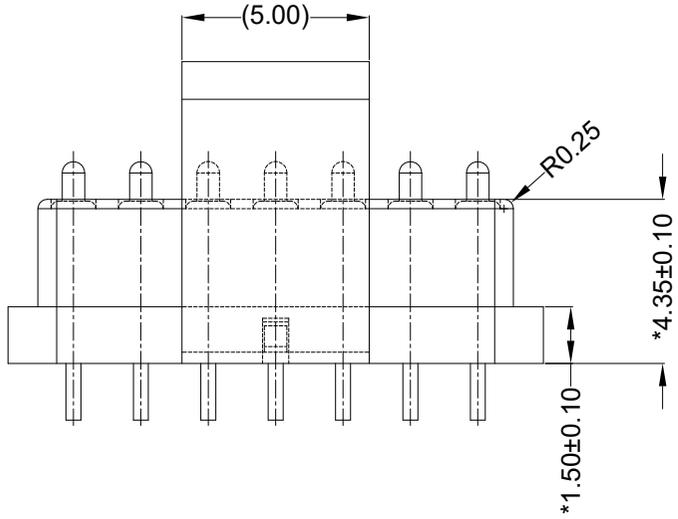


# GP Component

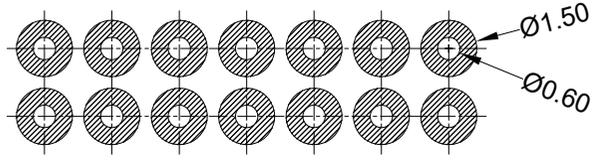
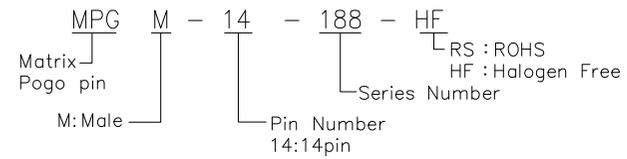
REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2025/08/20	Zonlin Wu



## Note

- Material:**  
Plunger & Barrel : Lead free Brass , Plated 3u"Au over 50-120u"Ni  
Spring : SUS304  
Housing: PA9T Black UL94 v-0
- Electrical:**  
Rated Current & Voltage: DC 16V; 2A  
Contact Resistance: 50mohm Max. at working height.
- Work Temperature:**  
Withstanding Higt Temperature: 260°C  
Operational Temperature: -40~85°C
- Mechanical:**  
Force: 60±15gf at working height.  
Working Height: 4.65mm  
Durability: 20000 cycles(min)
- Waterproof test: IPX6**  
防水: 10米/1H (PIN针与塑胶做过盈装配后点胶)  
防水: 1米 (低压10~20KPa)
- 48 hours delay test. (48 小时盐雾测试)**
- RoHS2.0 & Reach compliant products**
- 标有"\*"尺寸为重点管控尺寸,  
未标注倒角均为C0.05mm, 未注尺寸公差均为±0.05mm.
- The product design is suitable for both wave soldering and reflow soldering.

MATRIX PART NO:



**RECOMMEND PCB LAYOUT**  
Layout Tolerance: ±0.05mm

Matrix Electronics Co., Ltd				
TOLERANCE: 0. ±0.3 0.0 ±0.2 0.00 ±0.1 0.000 -	DESIGN BY : Zonlin Wu	DATE : 2025/08/20	PART NAME: Pogopin conn	
ANGLE: ±5°	CHECKED BY: Hanson Huang	DATE : 2025/08/20	PART NO.	MPGM-14-188-HF
UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2025/08/20	MOLD NO.	NA
SCALE: 1:1	APPROVED BY2: Richard Hsieh	DATE : 2025/08/20	DRAW NO.	
SIZE: A4			SHEET NO.	1 OF 1