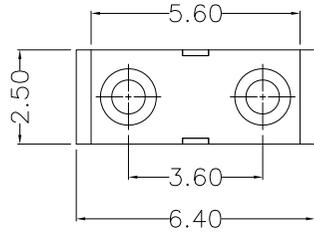


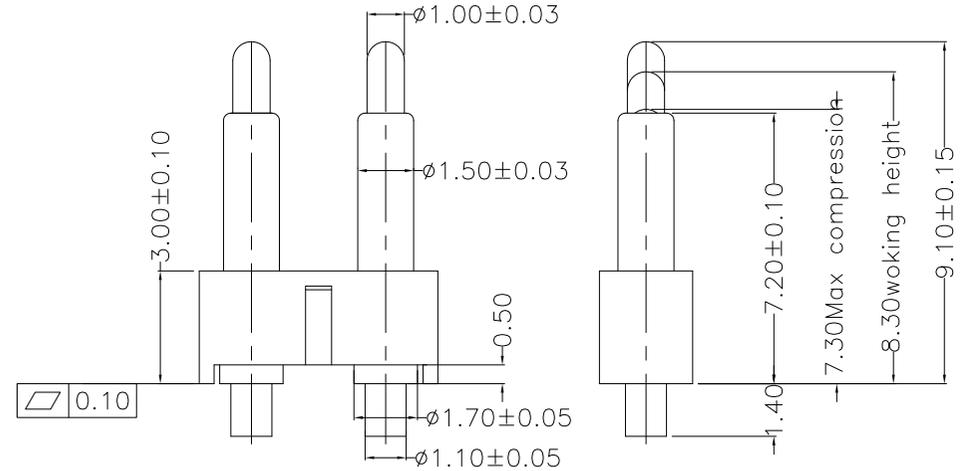
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2025/01/16	Wu Zonlin

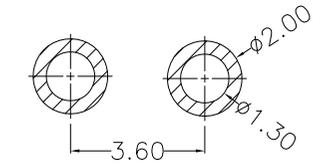
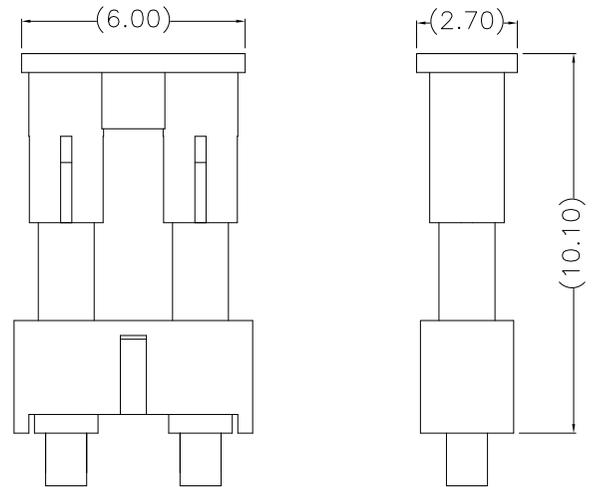
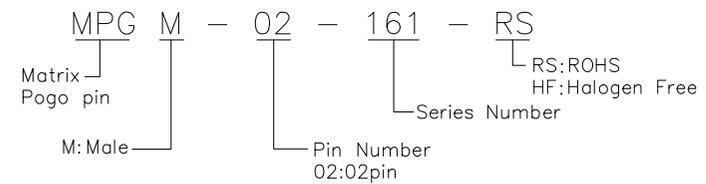


NOTES:

- Materials:**
 Housing&Cap: Black PA9T (UL94V-0)
 Plunger: Brass HBI59/C6801
 Barrel:Brass HBI59/C6801
 Spring: SUS304
- Plating:**
 Plunger :10 micro-inch minimum Au over 50~100 micro-inch Ni.
 Barrel :5 micro-inch minimum Au over 50~100 micro-inch Ni.
- Electrical.**
 RatedCurrent&Voltage:DC12 V;1A
 Contact Resistance:50 mohmmaximum at Working Height(Quiescence)
- Mechanical Spring Force :90g+20% at Working Height.**
Durability:10,000 cycles(minimum)
- To avoid arcing issue, The adaptor start to power supply after connector mated fully.
 To ensure the best usage, please operate it based on the working Height.Based on the Engineering Drawings,shall not exceed the maximum allowed compression.
- RoHs and HF compliant product.
- Reel&Carriers



MATRIX PART NO:



RECOMMENDED PCB LAYOUT
 Layout tolerance: ±0.05

 Matrix Electronics Co.,Ltd					
TOLERANCE: 0°~6 ±0.10mm >6°~30 ±0.20mm >30°~120 ±0.30mm >120 ±0.50mm ANGLE ±5°		DESIGN BY : Wu Zonlin	DATE : 2025/01/16	PART NAME: Pogopin conn	
		CHECKED BY: Hanson Huang	DATE : 2025/01/16	PART NO.	MPM-02-161-RS
		APPROVED BY1: Richard Hsieh	DATE : 2025/01/16	MOLD NO.	NA
		APPROVED BY2: Richard Hsieh	DATE : 2025/01/16	DRAW NO.	
SCALE:1:1	SIZE:A4			SHEET NO.	1 OF 1