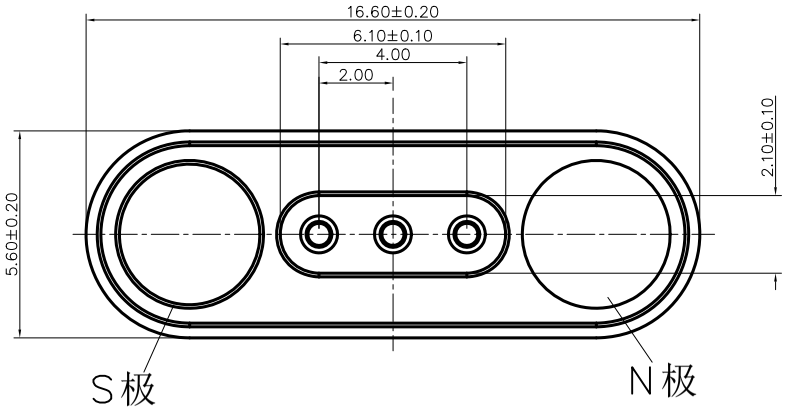
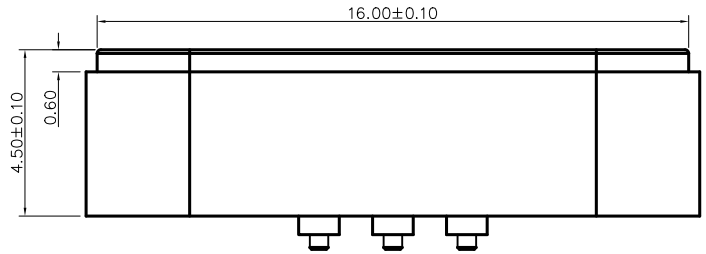
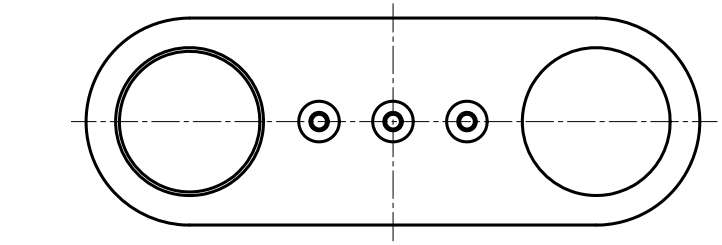
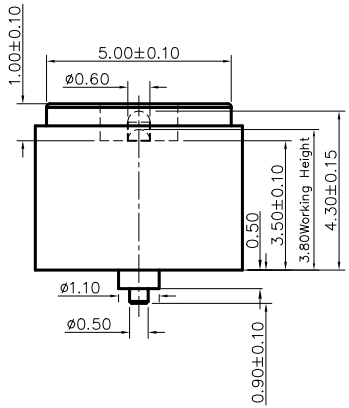
Please Approve this Drawing	
Date	
Signature	

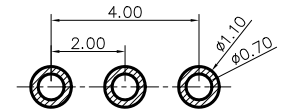
NO.	Part Name	Q'TY	Material	Plated surface
1	Plunger	3	无铅铜	Au 5u" Min. Over 50u" Min. Ni
2	Barrel	3	无铅铜	Au 3u" Min. Over 50u" Min. Ni
3	Spring	3	SUS304	/
3	Ball	3	SUS304	Au 1u" Min. Over 50u" Min. Ni
4	Housing	1	High temp.Plastic; UL94 V-0 Color Black	
5	Magnet	2	NdFeB	Plating Ni



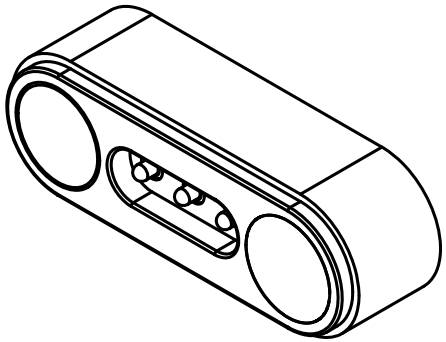








Recommended pcb layout
Layout tolerance: ±0.05mm



NOTES:
1. Electrical
   .Rated Current & Voltage : DC 12 V ; 3.0A Max.
   .Contact Resistance: 50 mohm maximum
   at Working Height(Quiescence)
2. Mechanical
   .Full store: 0.70 mm
   .Working Store: 0.50 mm
   .Spring Force: 40gf±10gf at Working Height
   .Durability: 10,000 cycles(minimum)
3. Environmental
   .Operating Temperature: -25℃~+85℃
   .Humidity Range: 10%RH~90%RH
   .Salt Spray: 48 Hours
4. When the current is greater than 1A then need to increase the time delay circuit(3 second)
5. To avoid arcing issue, The adaptor start to power supply after connector mated fully.
6. To ensure the best usage,please operate it based on the working height.
7. .RoHs&HF compliant product.

DRAWN	lys	DATE	2023.05.18	Dongguan Promax Electronics Technology Co., Ltd.	
CHECKED		SCALE	10:1 VER. A.0		
APPROVED		TITLE	pogo pin connector.	Ang:	Dim:
PROJECT		DRAWING NO.	NC6012-03PA	0 ±1°	0 ±0.20
SHEET	1 of 1	UNIT	mm	.0 ±0.5°	.0 ±0.15
				.00 ±0.25°	.00 ±0.10

VER.	DESCRIPTION	ECN NO.	DATE