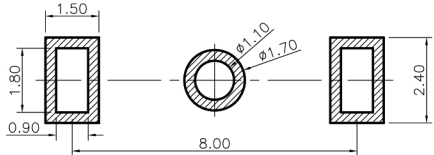
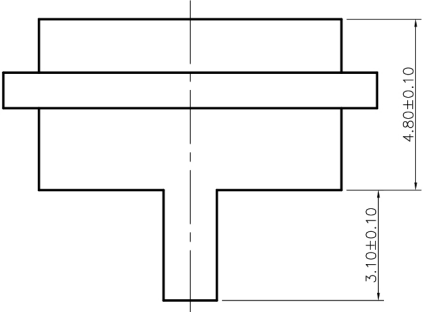
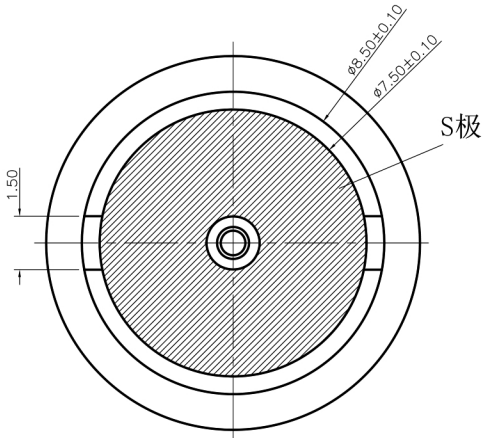
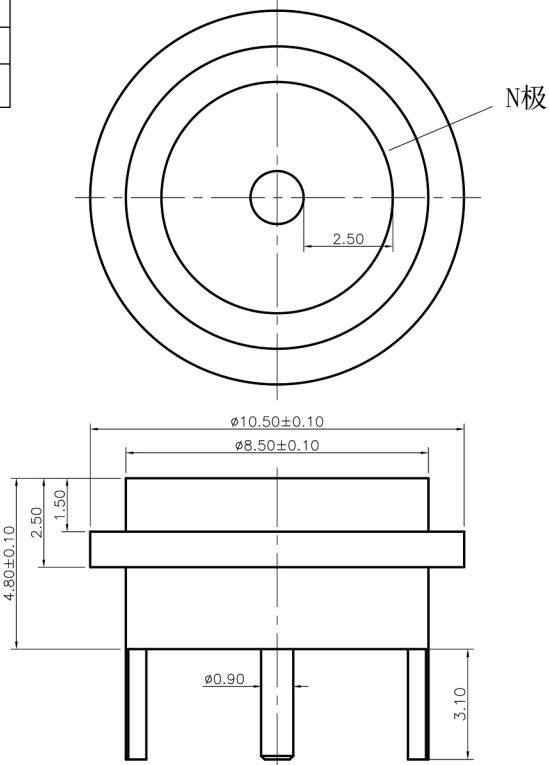


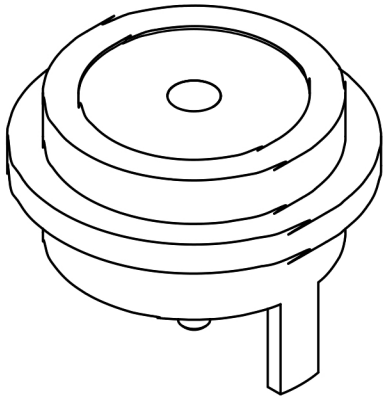
Please Approve this Drawing

Date

Signature



Recommended pcb layout
layout tolerance: ±0.05mm



NO.	Part Name	Q'TY	Material	Plated surface
1	Pin	2	无铅铜 HBI59	Au 10u" Min. OVER 50U~120" Ni
2	Magnet	1	N52	Ni Plating
3	Shell	1	无铅铜 HBI59	Ni Plating
4	Housing	1	HTN ; UL94 V-0 Color Black	

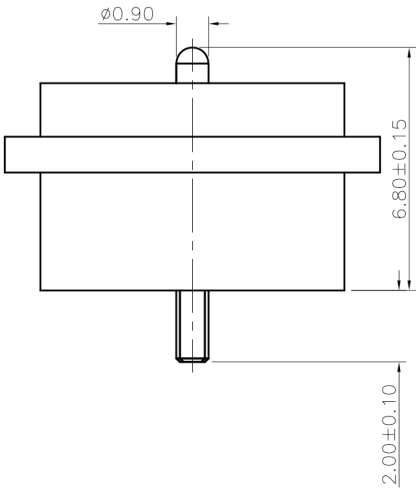
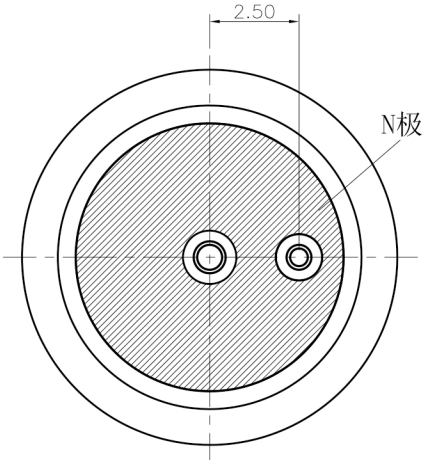
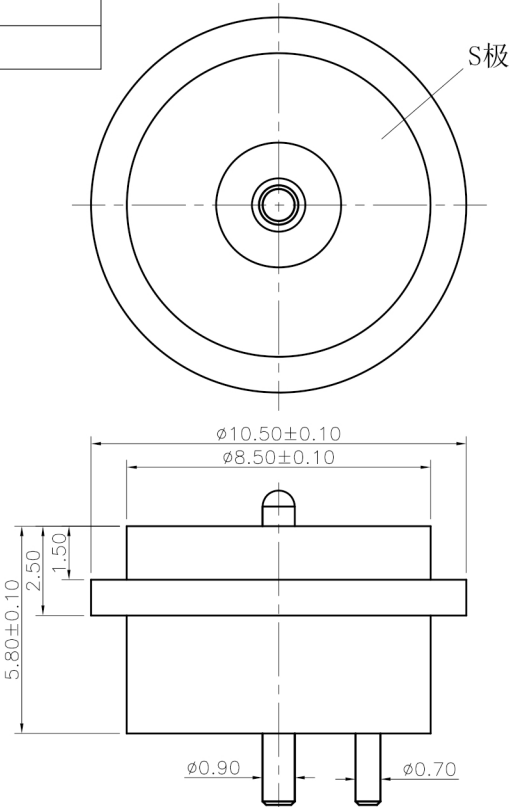
- NOTES:
- Electrical
.Rated Current & Voltage : DC 12 V ; 3.0A Max.
.Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
 - Environmental
.Operating Temperature: -40°C~+85°C
.Humidity Range: 10%RH~90%RH
.Salt Spray: 48 Hours
.Dustproof and waterproof: IP65
3. Male and female docking magnetic force: 400kgf MIN.
 - RoHS&HF compliant product.

DRAWN	CDH	DATE	2022.09.06			东莞市双盟电子有限公司			
CHECKED		SCALE	10:1	VER.	B.0				
APPROVED		TITLE	2pin female connector.			Ang:		Dim:	
PROJECT		DRAWING NO.	PPF.02-5137-0502C			0	±1°	0	±0.15
SHEET	1 of 1	UNIT	mm			.0	±0.5°	.0	±0.10
						.00	±0.25°	.00	±0.05

Please Approve this Drawing

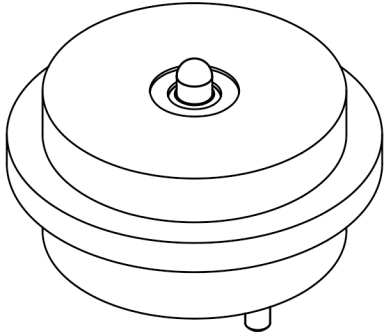
Date

Signature



NO.	Part Name	Q'TY	Material	Plated surface
1	Plunger	2	HBI59	Au 5u" Min. Over 50u" Min. Ni
2	Barrel	2	HBI59	Au 3u" Min. Over 50u" Min. Ni
3	Spring	2	SUS304	/
4	Housing	1	High temp.Plastic; UL94 V-0 Color Black	
5	Magnet	1	N52	Plating Ni
6	Shell	1	HBI59	/

- NOTES:
- Electrical
.Rated Current & Voltage : DC 12 V ; 3.0A Max.
.Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
 - Mechanical
.Full store: 1.10 mm
.Working Store: 1.00 mm
.Spring Force: 90±20gf at Working Height
.Durability:10,000 cycles(minimum)
 - Environmental
.Operating Temperature: -30°C~+85°C
.Humidity Range: 10%RH~90%RH
.Salt Spray: 48 Hours
.Dustproof and waterproof: IP65
 - When the current is greater than 1A then need to increase the time delay circuit(3 second)
 - 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.
 - RoHS&HF compliant product.



DRAWN	lys	DATE	2022.07.02			东莞市双盟电子有限公司			
CHECKED		SCALE	10:1	VER.	A.0				
APPROVED		TITLE	pogo pin connector.			Ang:		Dim:	
PROJECT		DRAWING NO.	PPM.02-4862-0502			0	±1°	0	±0.20
SHEET	1 of 1	UNIT	mm			.0	±0.5°	.0	±0.15
						.00	±0.25°	.00	±0.10