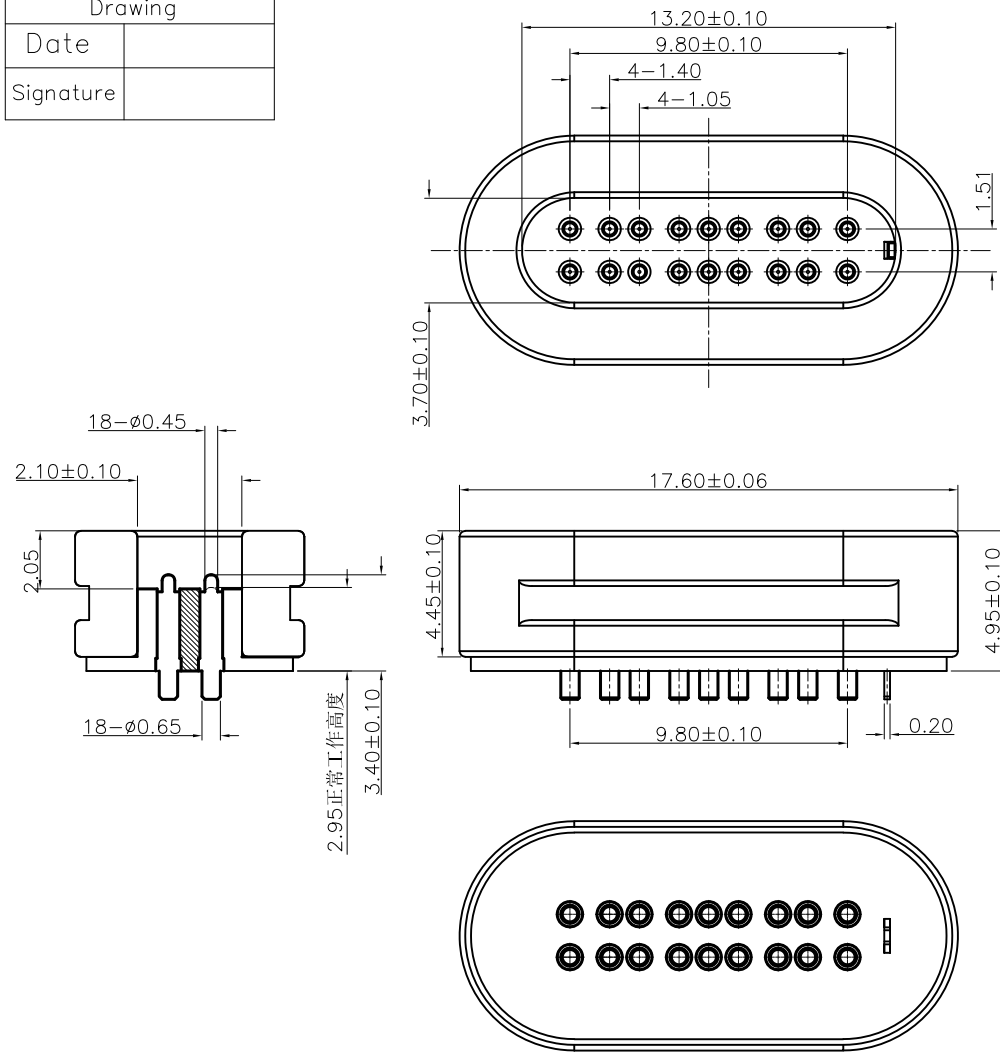


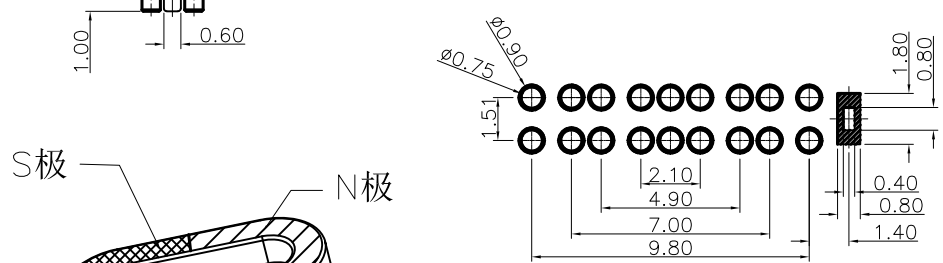
Please Approve this Drawing

Date	
Signature	



NO.	Part Name	Q'TY	Material	Plated surface
1	Plunger	18	HBi59	AU 20 U" MIN OVER 50~120 U" NI
2	Barrel	18	HBi59	AU 20 U" MIN OVER 50~120 U" NI
3	Spring	18	SUS304	N/A
4	Ball	18	H62	AU 3 U" MIN OVER 50~120 U" NI
5	Terminal	1	SUS301	50~200u" Ni
6	Magnet	1	N52	300~600u" Ni 磁铁镀: 黑镍
7	Housing	1	High Temperature Plastics	UL 94V-0, BLACK

- NOTES:
- Electrical
    - .Rated Current & Voltage : DC 12 V ; 1 A
    - .Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
  - Mechanical
    - .Working Stroke: 0.45 mm
    - .Spring Force: 45gf±10gf at Normal Working Height
    - .Durability:10,000 cycles(minimum)
  - Environmental
    - .Operating Temperature: -25°C~+85°C
    - .Humidity Range: 10%RH~90%RH
    - .Salt Spray: 48 Hours
  - 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.



Recommended pcb layout  
layout tolerance: ±0.05mm

VER.	DESCRIPTION	ECN NO.	DATE

DRAWN	CDH	DATE	2023.05.30			东莞市双盟电子有限公司			
CHECKED		SCALE	10:1	VER.	A.0				
APPROVED		TITLE	18pin male connector.			Ang:	Dim:		
PROJECT		DRAWING NO.	PPM.18-6026-2002			0 ±1°	0 ±0.20		
SHEET	1 of 1	UNIT	mm			.0 ±0.5°	.0 ±0.15		
						.00 ±0.25°	.00 ±0.10		