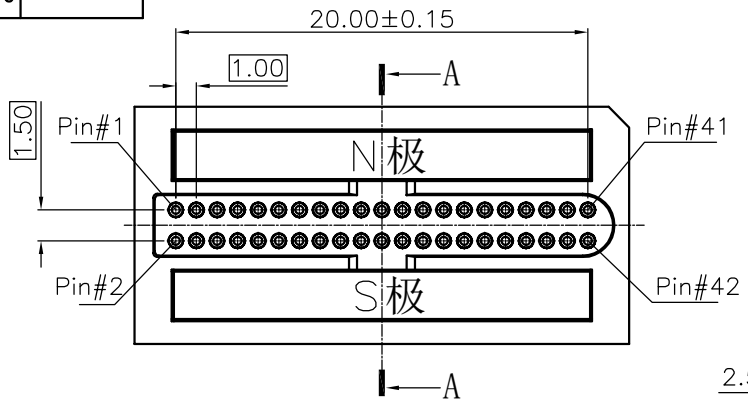
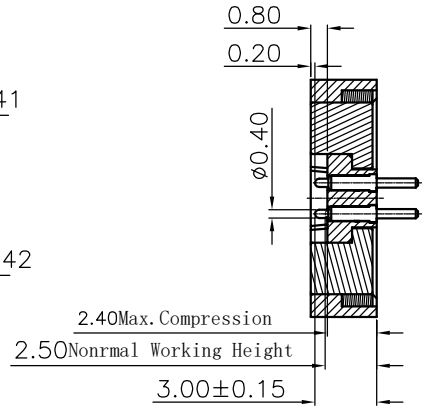
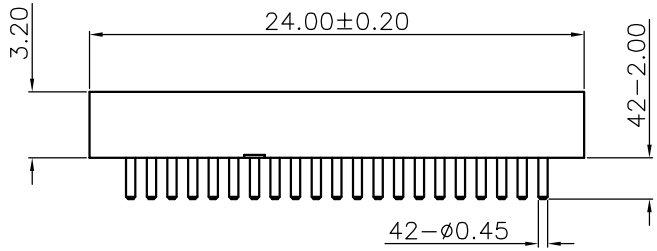
Please Approve this Drawing	
Date	
Signature	

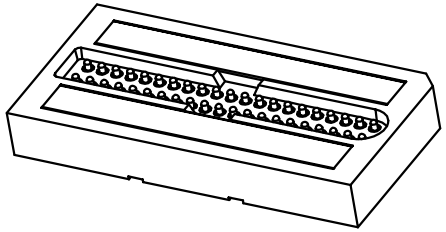
NO.	Part Nome	Q'TY	Material	Plated surface
1	Plunger	42	brass	AU 5 U" MIN OVER 50~100 U" NI
2	Barrel	42	brass	AU 5 U" MIN OVER 50~100 U" NI
3	Spring	42	SUS304	/
4	Magnet	2	N52	100U" Ni MIN.
5	Housing	1	High Temperature PlasticsUL 94V-0, BLACK	

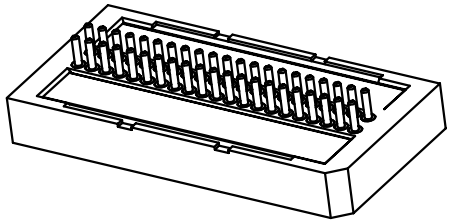


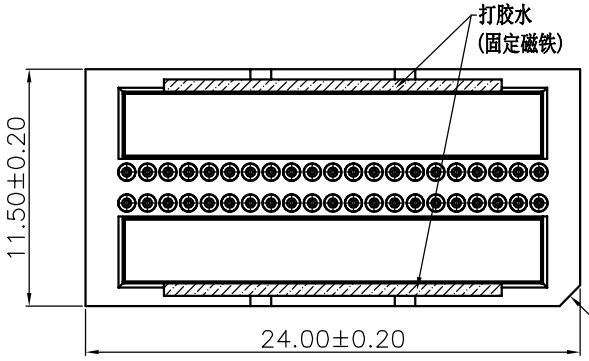


SECTION A-A



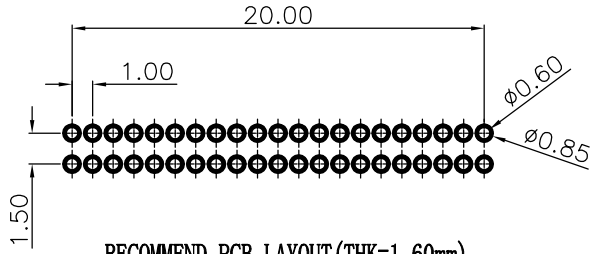






NOTES:

1. Electrical
   .Rated Current & Voltage : DC 12 V ; 2 A
   .Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
2. Mechanical
   .Working Store: 0.60 mm
   .Spring Force: 40gf±15gf at Normal Working Height
   .Durability:10,000 cycles(minimum)
3. Environmental
   .Operating Temperature: -25°C~+85°C
   .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.



RECOMMEND PCB LAYOUT(THK=1.60mm)
TOLERANCE ±0.05mm

DRAWN	Devin	DATE	2022.08.04
CHECKED		SCALE	10:1 VER. A.0
APPROVED		TITLE	pogo pin connector.
PROJECT		DRAWING NO.	NC4811-42PA
SHEET	1 of 1	UNIT	mm

Dongguan Promax Electronics Technology Co., Ltd

Ang:		Dim:	
0	±1°	0	±0.20
.0	±0.5°	.0	±0.15
.00	±0.25°	.00	±0.10

VER.	DESCRIPTION	ECN NO.	DATE