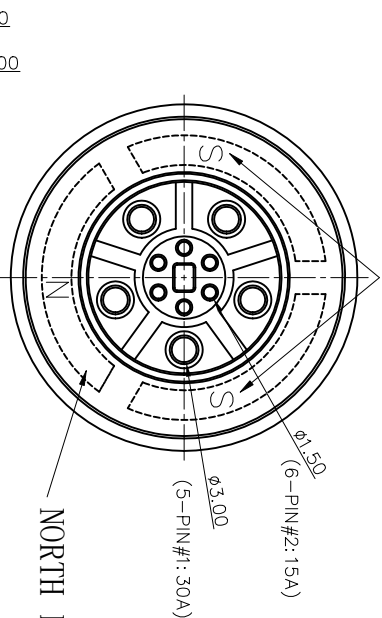
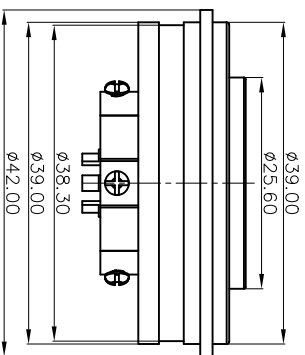
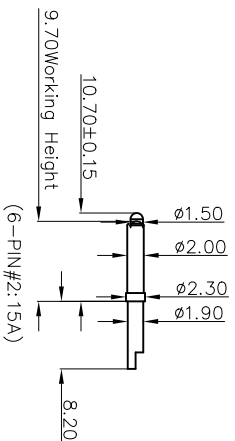
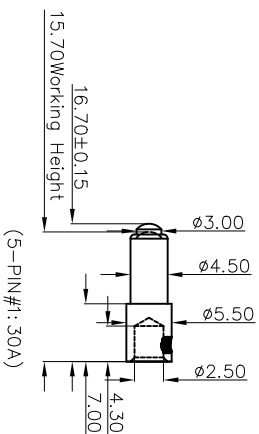
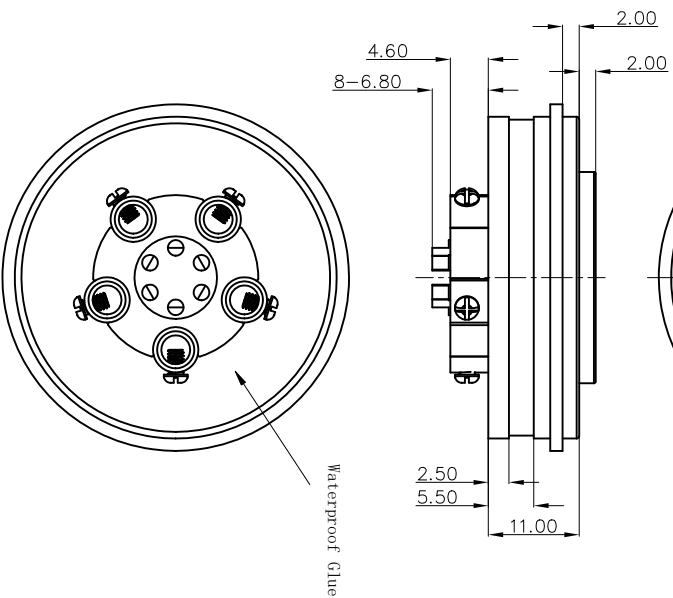


Please Approve this Drawing	
Date	
Signature	

### SOUTH POLE



### NORTH POLE



NO.	Part Name	Q'TY	Material	Plated surface
1	Plunger#1	5	HB159	Au 30u" Min. Over 50~120u" Ni
2	Barrel#1	5	HB159	Au 15u" Min. Over 50~120u" Ni
3	Ball	5	Zirconium	/
4	Spring#1	5	SUS304	/
5	Plunger#2	6	HB159	Au 10u" Min. Over 50~120u" Ni
6	Barrel#2	6	HB159	Au 10u" Min. Over 50~120u" Ni
7	Spring#2	6	HB159	/
8	Housing	1	PA66	UL 94V-0, Black
9	Magnet	3	N52	100u" Min. Ni
10	Shell	1	Al-dilloy	100u" Min. Ni
11	Screw(M2.0)	5	Alloy	

#### NOTES:

- Electrical  
 Pogo PIN#1:  
 .Rated Current & Voltage : DC 380 V ; 30A MAX.  
 .Contact Resistance: 50 mohm maximum at Working Height(Quiescence)  
 Pogo PIN#2:  
 .Rated Current & Voltage : DC 380 V ; 15A MAX.  
 .Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
- Mechanical  
 Pogo PIN#1:  
 .Working Store: 1.30 mm  
 .Spring Force: 200gf±20%gf at Working Height  
 .Durability: 10,000 cycles(minimum)  
 Pogo PIN#2:  
 .Working Store: 1.30 mm  
 .Spring Force: 200gf±20%gf at Working Height  
 .Durability: 10,000 cycles(minimum)
- Male and female docking magnetic force: 2.0kgf MIN.
- Waterproofing Grade :IP65
- 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.

VER.	DESCRIPTION	ECON NO.	DATE
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DRAWN	Iys	DATE	2023.04.07
CHECKED		SCALE	10:1 VER. A.0
APPROVED		TITLE	Magnet connector.
PROJECT		DRAWING NO.	NC5778-11PA
SHEET	1 of 1	UNIT	mm

**Promax** Dongguan Promax Electronics Technology Co., Ltd.

Ang:	Dim:
0 ±1°	0 ±0.30
.0 ±0.5°	.0 ±0.20
.00 ±0.25°	.00 ±0.10