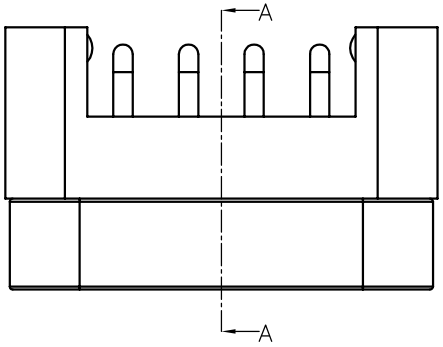
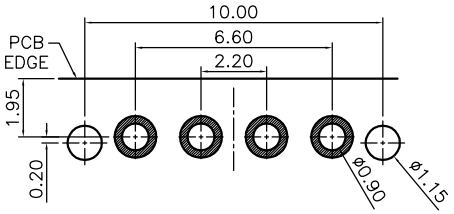
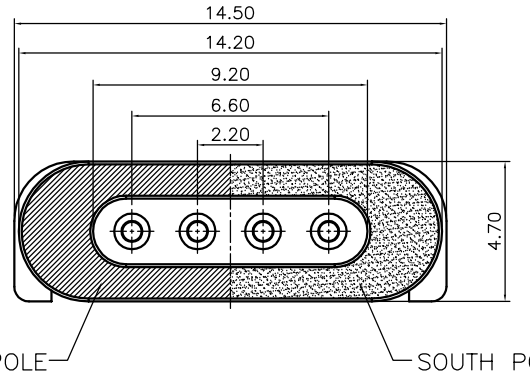
Please Approve this Drawing	
Date	
Signature	

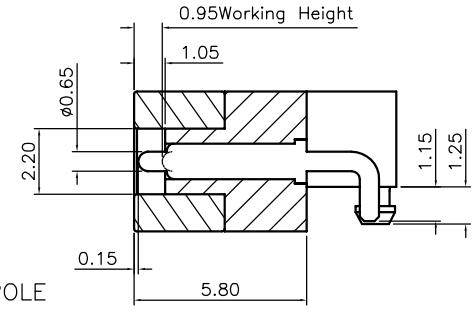
NO.	Part Nome	Q'TY	Material	Plated surface
1	Plunger	4	HBi59	AU 5 U" MIN OVER 50~100 U" NI
2	Barrel	4	HBi59	AU 5 U" MIN OVER 50~100 U" NI
3	Spring	4	SUS304	N/A
4	Magnet	1	N52	80~180u" Ni
5	Housing	1	High Temperature PlasticsUL 94V-0, BLACK	
6				



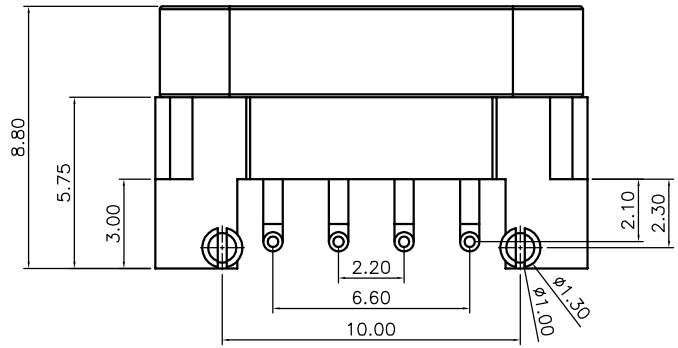


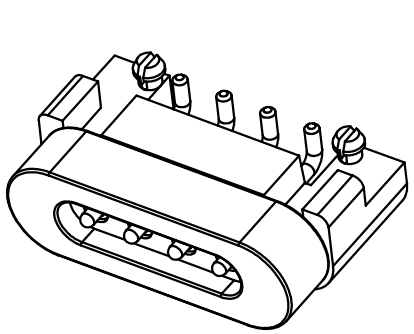
RECOMMNDED PCB LAYOUT(TOL±0.05)

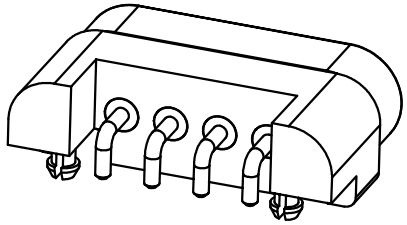




NOTES:
1. Electrical
   .Rated Current & Voltage : DC 12 V ; 2.0 A
   .Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
2. Mechanical
   .Working Store: 0.95 mm
   .Spring Force: 60gf±15gf at Normal Working Height
   .Durability:10,000 cycles(minimum)
3. Environmental
   .Operating Temperature: −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.







DRAWN	Devin	DATE	2022.08.22		
CHECKED		SCALE	10:1	VER.	A.0
APPROVED		TITLE	Magnet connector.		
PROJECT		DRAWING NO.	NC5056-04PA		
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