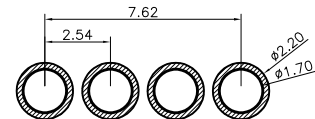
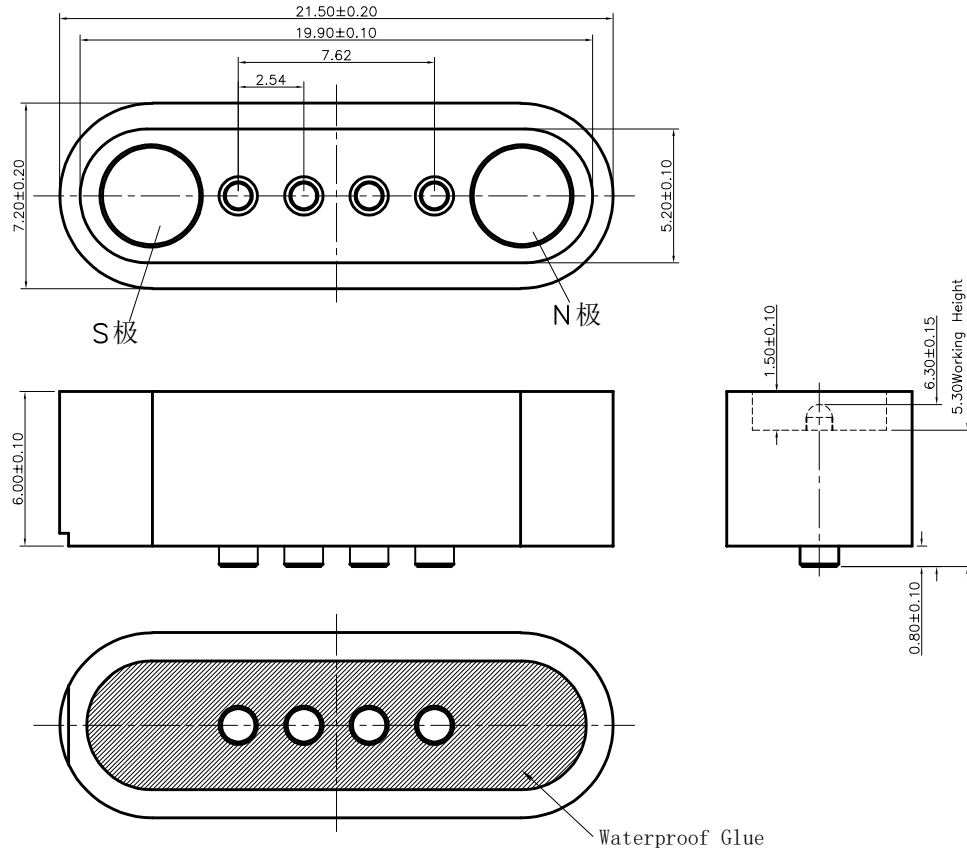


Please Approve this Drawing

Date

Signature

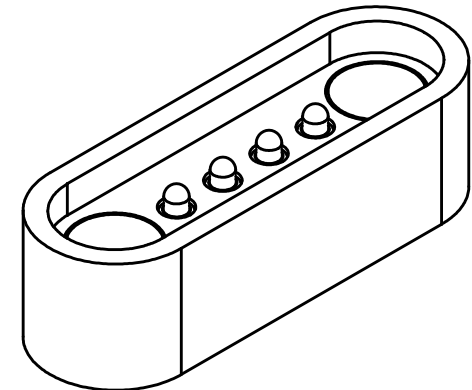
| NO. | Part Name | Q'TY | Material | Plated surface |
|-----|-----------|------|---|-------------------------------|
| 1 | Plunger | 4 | 无铅铜 | Au 5u" Min. Over 50u" Min. Ni |
| 2 | Barrel | 4 | 无铅铜 | Au 3u" Min. Over 50u" Min. Ni |
| 3 | Spring | 4 | SUS304 | / |
| 3 | Magnet | 2 | NdFeB | Plating Ni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





Recommended pcb layout
Layout tolerance: ± 0.05 mm

NOTES:

- Electrical
 - .Rated Current & Voltage : DC 12 V ; 4.0A Max.
 - .Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
- Mechanical
 - .Full store: 1.10 mm
 - .Working Store: 1.00 mm
 - .Spring Force: 60gf \pm 15gf at Working Height
 - .Durability:10,000 cycles(minimum)
- Environmental
 - .Operating Temperature: $-25^{\circ}\text{C} \sim +85^{\circ}\text{C}$
 - .Humidity Range: 10%RH \sim 90%RH
 - .Salt Spray: 48 Hours
 - .Dustproof and waterproof: IP66
- 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 | ECN NO. | DATE |
|------|-------------|---------|------|
| | | | |

| | | | | | | |
|----------|---|-------------|---------------------|------|-----|---|
| DRAWN | lys | DATE | 2023.07.15 | | |  Dongguan Promax Electronics Technology Co., Ltd. |
| CHECKED | | SCALE | 10:1 | VER. | A.0 | |
| APPROVED | | TITLE | pogo pin connector. | | | Ang: |
| PROJECT |  | DRAWING NO. | NC6215-04PA | | | 0 $\pm 1^{\circ}$ |
| SHEET | 1 of 1 | UNIT | mm | | | .0 $\pm 0.5^{\circ}$ |
| | | | | | | .00 $\pm 0.25^{\circ}$ |
| | | | | | | 0 ± 0.20 |
| | | | | | | .0 ± 0.15 |
| | | | | | | .00 ± 0.10 |