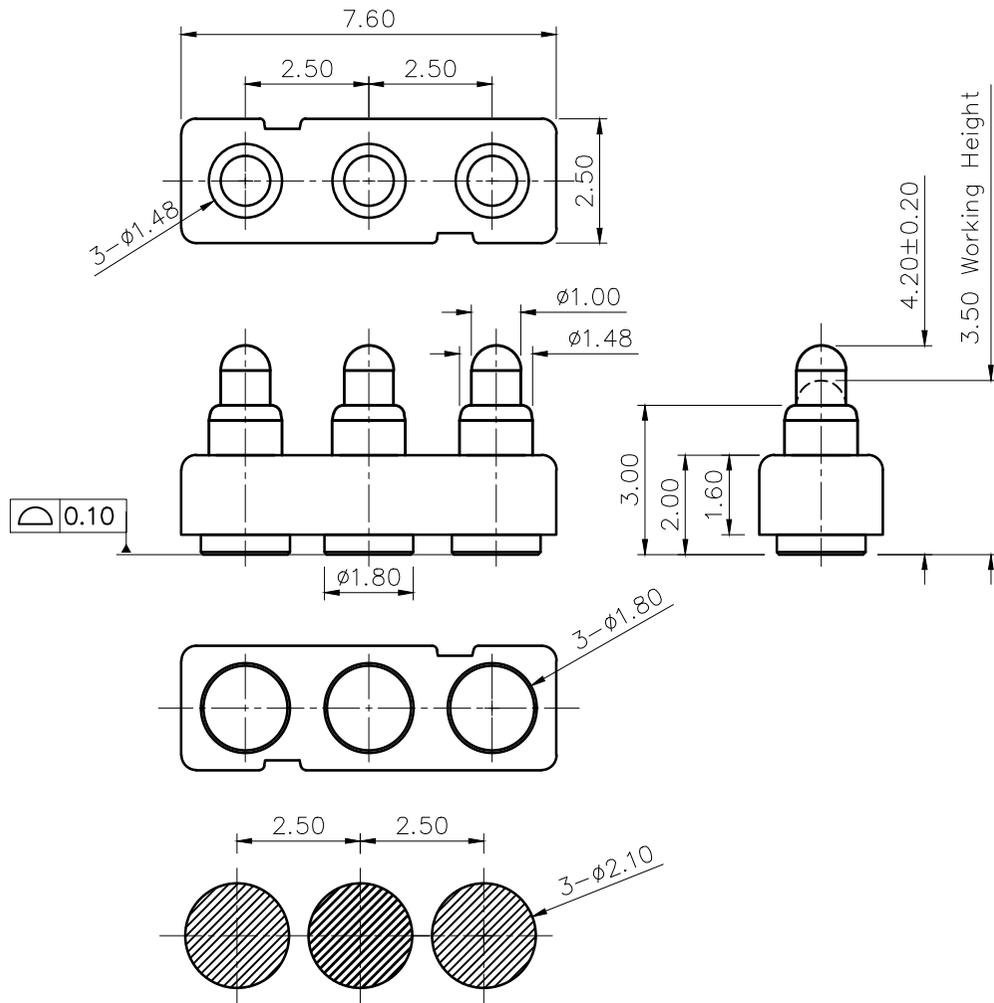


Please Approve this Drawing

Date

Signature

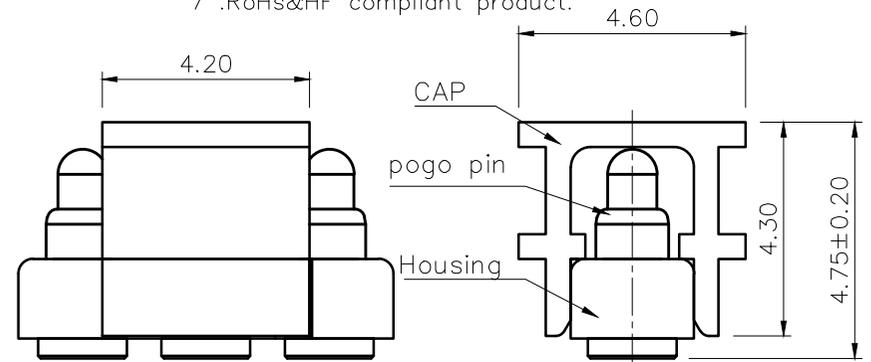
| NO. | Part Name | Ver.    | Q'TY | Material | Plated surface |                               |
|-----|-----------|---------|------|----------|----------------|-------------------------------|
| A.0 | 1         | Plunger | B.0  | 3        | HBI59          | Au 3u" Min. OVER 50~120 U" NI |
| A.0 | 2         | Barrel  | B.1  | 3        | HBI59          | Au 3u" Min. OVER 50~120 U" NI |
|     | 3         | Spring  | B.0  | 3        | SUS 304        | N/A                           |
|     | 4         | Housing | B.0  | 1        | HTN            | N/A                           |
|     | 5         | CAP     | B.0  | 1        | HTN            |                               |
|     | 6         |         |      |          |                |                               |



RECOMMEND PCB LAYOUT  
Layout Tolerance:  $\pm 0.05$ mm

NOTES:

- Electrical
  - .Rated Current & Voltage : DC 12 V ; 1.0A
  - .Contact Resistance: 50 mohm maximum at Working Height(Quiescence)
- Mechanical
  - .Full store: 0.90 mm
  - .Working Store: 0.70 mm
  - .Spring Force:  $25 \pm 6$ g at Working Height
  - .Durability: 10,000 cycles(minimum)
- Environmental
  - .Operating Temperature:  $-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$
  - .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.



|          |   |             |                     |      |     |   |
|----------|---|-------------|---------------------|------|-----|---|
| DRAWN    | Kevin   | DATE        | 2021.07.07          |      |     |  Dongguan Promax Electronics Technology Co., Ltd |
| CHECKED  |   | SCALE       | 10:1                | VER. | A.0 |   |
| APPROVED |   | TITLE       | pogo pin connector. |      |     | Ang:  |
| PROJECT  |  | DRAWING NO. | NC1925-03RA         |      |     | 0 $\pm 1^{\circ}$   |
| SHEET    | 1 of 1  | UNIT        | mm                  |      |     | .0 $\pm 0.5^{\circ}$  |
|          |   |             |                     |      |     | .00 $\pm 0.25^{\circ}$  |
|          |   |             |                     |      |     | Dim: 0 $\pm 0.15$   |
|          |   |             |                     |      |     | .0 $\pm 0.10$   |
|          |   |             |                     |      |     | .00 $\pm 0.05$  |

|      |             |         |          |
|------|-------------|---------|----------|
| A.0  | 针头针管材质改为无铅铜 |         | 20210707 |
| VER. | DESCRIPTION | ECN NO. | DATE     |