

**MODEL:** CPG-07-TH-B | **DESCRIPTION:** POGO PIN**FEATURES**

- pogo pin
- through hole
- gold plated
- 6.5 mm recommended working height

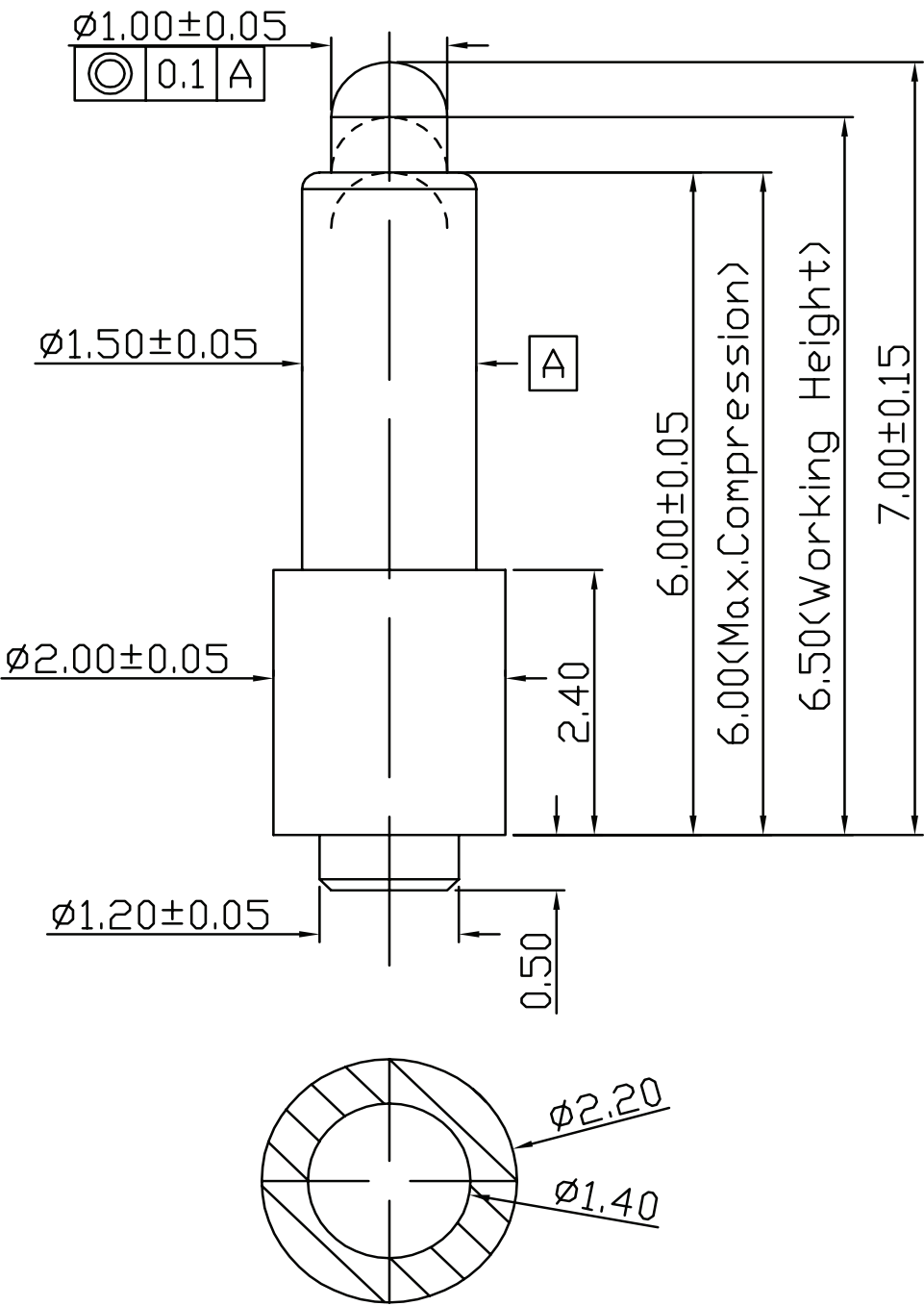
**SPECIFICATIONS**

| parameter             | conditions/description | min    | typ | max | units  |
|-----------------------|------------------------|--------|-----|-----|--------|
| rated voltage         |                        |        |     | 12  | Vdc    |
| rated current         |                        |        |     | 3   | A      |
| contact resistance    | at working height      |        |     | 50  | mΩ     |
| force at mid stroke   | at working height      | 50     | 60  | 70  | gf     |
| initial force         |                        |        | 40  |     | gf     |
| mid stroke            |                        |        | 0.5 |     | mm     |
| full stroke           |                        |        | 1   |     | mm     |
| working height        |                        |        | 6.5 |     | mm     |
| life                  |                        | 10,000 |     |     | cycles |
| operating temperature |                        | -20    |     | 85  | °C     |
| RoHS                  | yes                    |        |     |     |        |

MECHANICAL DRAWING

units: mm  
tolerance:  
X≤10: ±0.10 mm  
10<X≤20: ±0.15 mm  
PCB: ±0.05 mm  
unless otherwise noted

| DESCRIPTION | MATERIAL    | PLATING/COLOR                           |
|-------------|-------------|-----------------------------------------|
| barrel      | brass alloy | 10 μ" min gold over<br>50~120 μ" nickel |
| plunger     | brass alloy | 20 μ" min gold over<br>50~120 μ" nickel |
| spring      | SUS304      |                                         |



Recommended PCB Layout  
Top View

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 01/18/2024 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/12/2024 |

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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