

MODEL: CPG-55-SMT-B | **DESCRIPTION:** POGO PIN**FEATURES**

- pogo pin
- surface mount
- gold plated
- 4.5 mm height

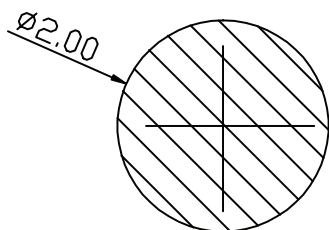
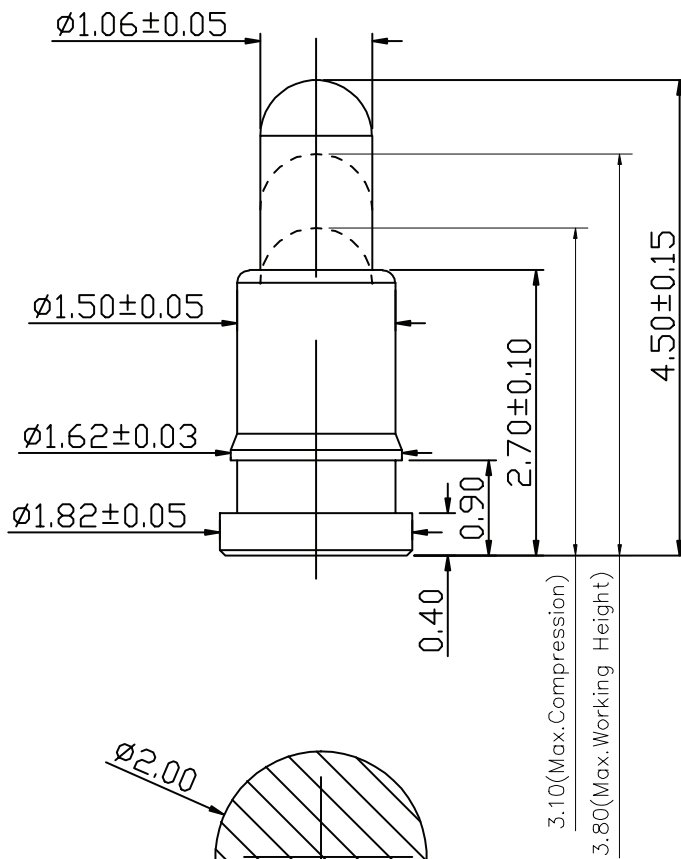
**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|-----------------------|------------------------|---------|-----|-----|--------|
| rated voltage | | | | 12 | Vdc |
| rated current | | | | 1 | A |
| contact resistance | at working height | | | 30 | mΩ |
| force | at working height | 60 | 80 | 100 | g |
| mid stroke | | | 0.7 | | mm |
| full stroke | | | 1.4 | | mm |
| working height | | | 3.8 | | mm |
| life | | 100,000 | | | cycles |
| operating temperature | | -40 | | 85 | °C |
| RoHS | yes | | | | |

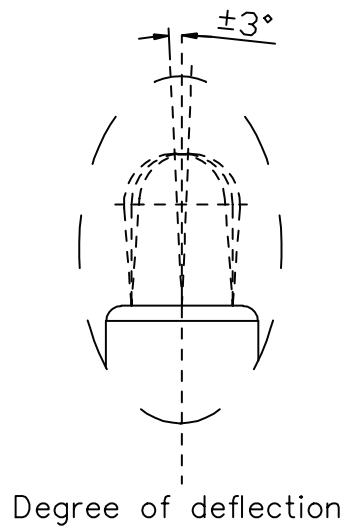
MECHANICAL DRAWING

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

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|------------------|---|
| barrel | lead-free copper | 10 μ " min gold over 50-120 μ " nickel |
| plunger | lead-free copper | 10 μ " min gold over 50-120 μ " nickel |
| spring | SUS304 | 3 μ " gold |



Recommended PCB Layout
Top View



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 06/20/2025 |

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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