

**MODEL:** CPG-20-SMT-B | **DESCRIPTION:** POGO PIN**FEATURES**

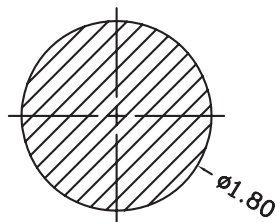
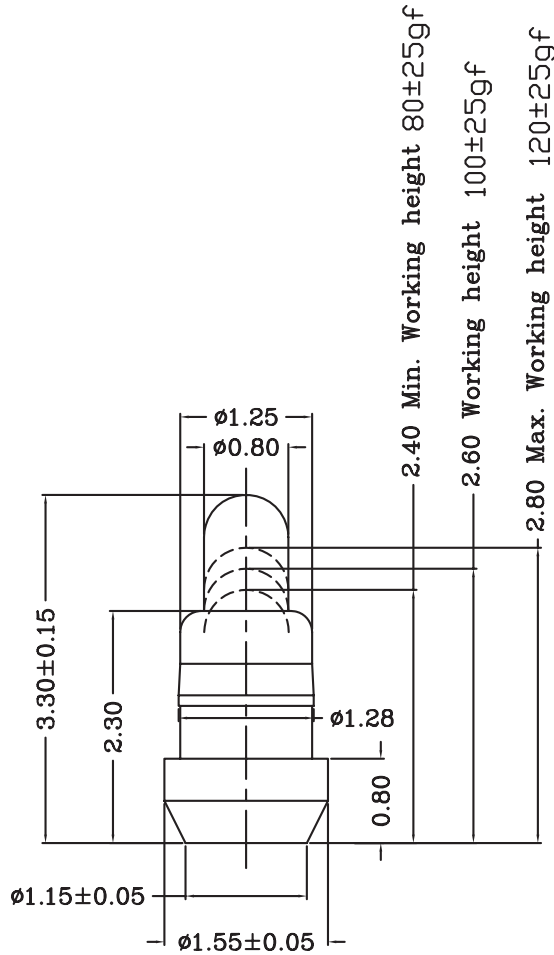
- pogo pin
- surface mount
- gold plated

**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|-----------------------|------------------------|--------|-----|-----|--------|
| rated voltage | | | | 12 | Vdc |
| rated current | | | | 2 | A |
| contact resistance | at working height | | | 30 | mΩ |
| force | at minimum compression | 55 | 80 | 105 | gf |
| | at working height | 75 | 100 | 125 | gf |
| | at maximum compression | 95 | 120 | 145 | gf |
| mid stroke | | | 0.7 | | mm |
| full stroke | | | 0.9 | | mm |
| working height | | | 2.6 | | mm |
| life | | 10,000 | | | cycles |
| operating temperature | | -40 | | 85 | °C |
| RoHS | yes | | | | |

MECHANICAL DRAWING

units: mm
 tolerance:
 X.X: ±0.15 mm
 X.XX: ±0.10 mm
 PCB: ±0.05 mm
 unless otherwise noted



Recommended PCB Layout
 Top View

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|----------------------|---|
| barrel | brass | outside: 0.05-0.4 μ m min gold over 1.25-2.5 μ m min nickel indise: 0.05 μ m min gold over 0.25 μ m min nickel |
| plunger | brass | 1.0 μ m min gold over 1.25-2.5 μ m min nickel |
| spring | stainless steel wire | |

REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 11/05/2024 |

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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