

**MODEL:** CPG-41-TH-B | **DESCRIPTION:** POGO PIN**FEATURES**

- pogo pin
- through hole
- gold plated

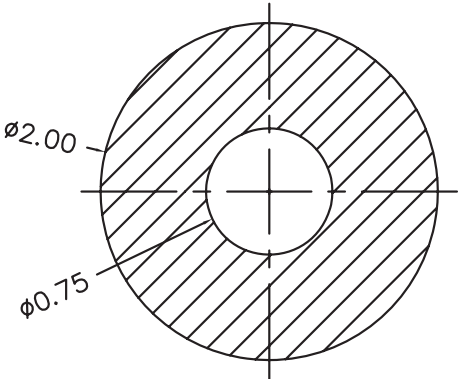
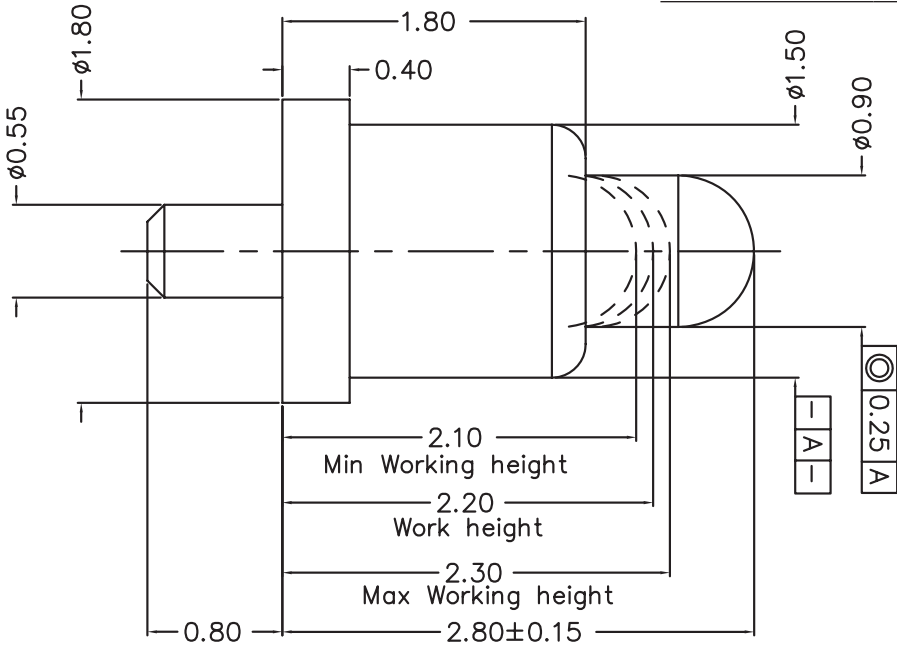
**SPECIFICATIONS**

| parameter             | conditions/description | min    | typ  | max | units  |
|-----------------------|------------------------|--------|------|-----|--------|
| rated voltage         |                        |        |      | 12  | Vdc    |
| rated current         |                        |        |      | 1   | A      |
| contact resistance    | at working height      |        |      | 100 | mΩ     |
| force                 | at minimum compression | 7      | 12   | 17  | gf     |
|                       | at working height      | 10     | 15   | 20  | gf     |
|                       | at maximum compression | 10     | 18   | 26  | gf     |
| mid stroke            |                        |        | 0.6  |     | mm     |
| full stroke           |                        |        | 0.7  |     | mm     |
| working height        |                        |        | 2.20 |     | mm     |
| life                  |                        | 20,000 |      |     | 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

| DESCRIPTION | MATERIAL             | PLATING/COLOR                             |
|-------------|----------------------|-------------------------------------------|
| barrel      | brass                | 0.125 µm min gold over 1.25 µm min nickel |
| plunger     | brass                | 0.125 µm min gold over 1.25 µm min nickel |
| spring      | stainless steel wire | 0.02 µm gold over 1.25 µm min nickel      |



Recommended PCB Layout  
Top View

REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/04/2024 |

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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