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# MODEL: CPG-40-TH-TR | DESCRIPTION: POGO PIN

## FEATURES

- pogo pin
- through hole
- gold plated

RoHS

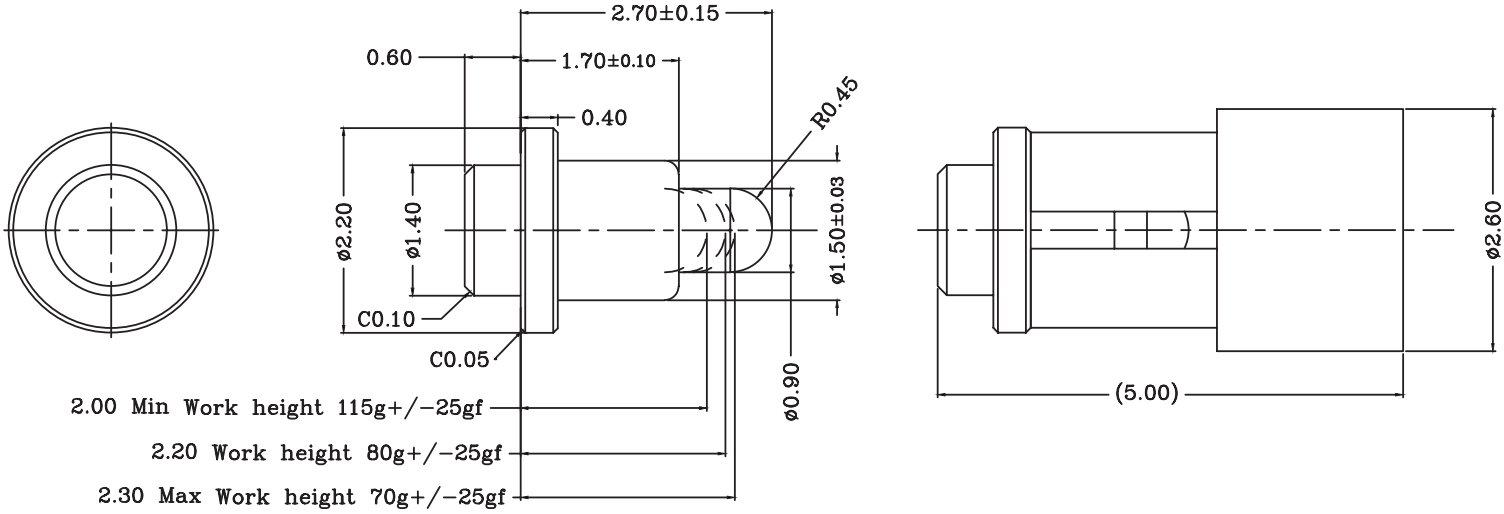
## SPECIFICATIONS

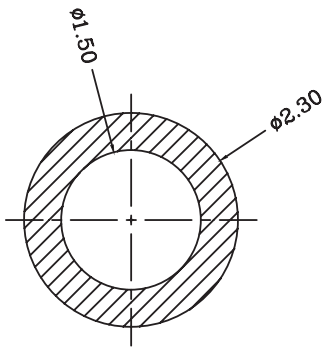
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated voltage | | | | 12 | Vdc |
| rated current | | | | 2 | A |
| contact resistance | at working height | | | 30 | mΩ |
| force | at minimum compression<br>at working height<br>at maximum compression | 45<br>55<br>90 | 70<br>80<br>115 | 95<br>105<br>140 | gf<br>gf<br>gf |
| mid stroke | | | 0.5 | | mm |
| full stroke | | | 0.7 | | mm |
| working height | | | 2.20 | | 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

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|
| barrel | brass | 0.10 µm min gold over 1.4 µm min nickel |
| plunger | brass | 0.25 µm min gold over 1.4 µm min nickel |
| spring | stainless steel wire | |



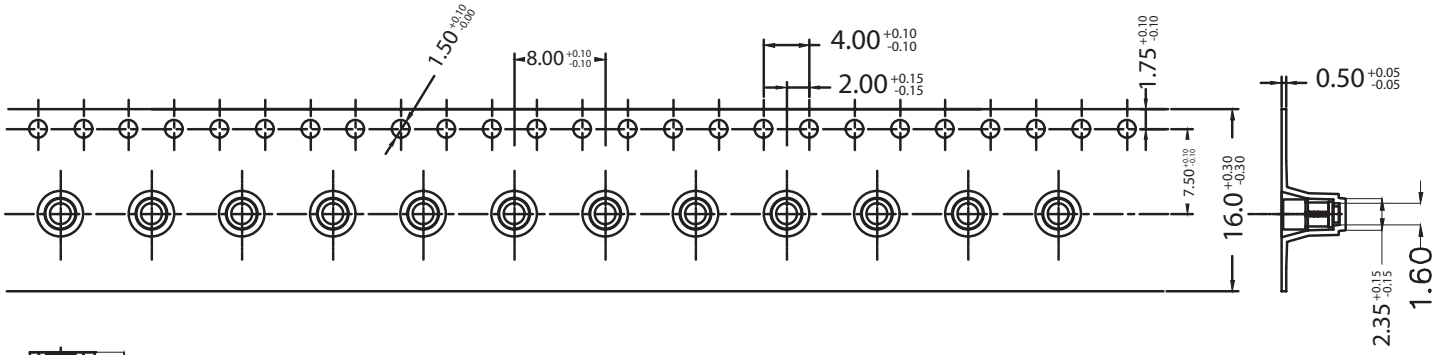



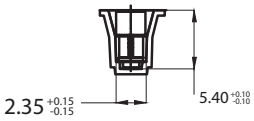

Recommended PCB Layout
Top View

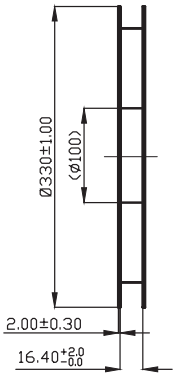
## PACKAGING

units: mm

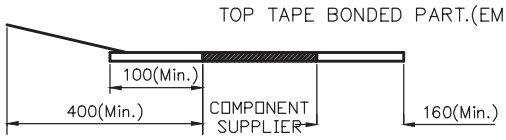
Reel Size: Ø330 mm
Reel QTY: 1,500 pcs per reel




NOTES:
1. NUMBER OF CONNECTORS : 1500 PCS/REEL
2. LEAD TAPE LENGTH




3. PEELING OFF FORCE OF TOP TAPE : 10.2gf ~ 71.4gf
PULL OUT DIRECTION

4. Reel Package MATERIAL
CARRIER TAPE: PS
TOP TAPE: PET
REEL: PS (RECYCLE MATERIAL CONTAINED
5.RoHS&HF compliant product

## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 11/04/2024 |
| 1.01 | updated datasheet | 10/22/2025 |

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

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

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