

**MODEL:** CPG-42-TH-TR | **DESCRIPTION:** POGO PIN**FEATURES**

- pogo pin
- through hole
- gold plated

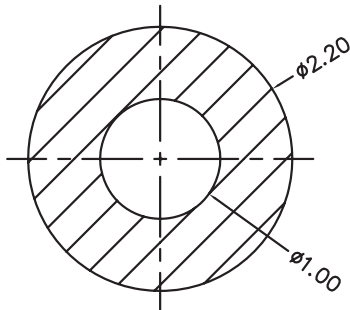
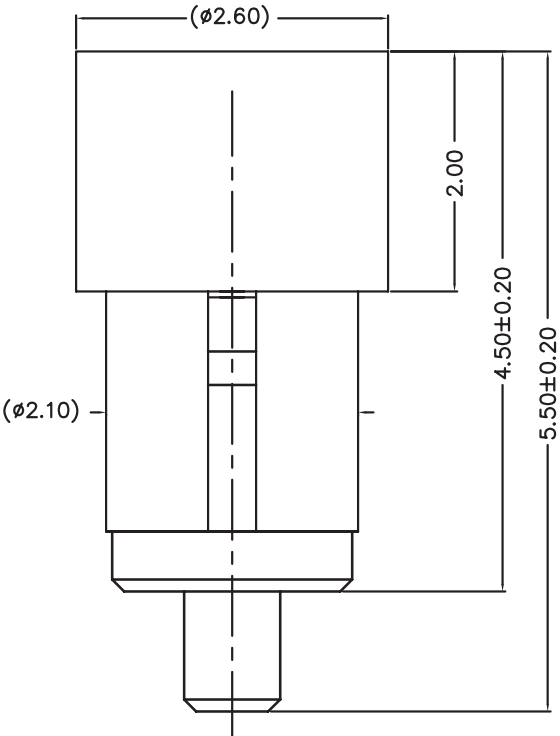
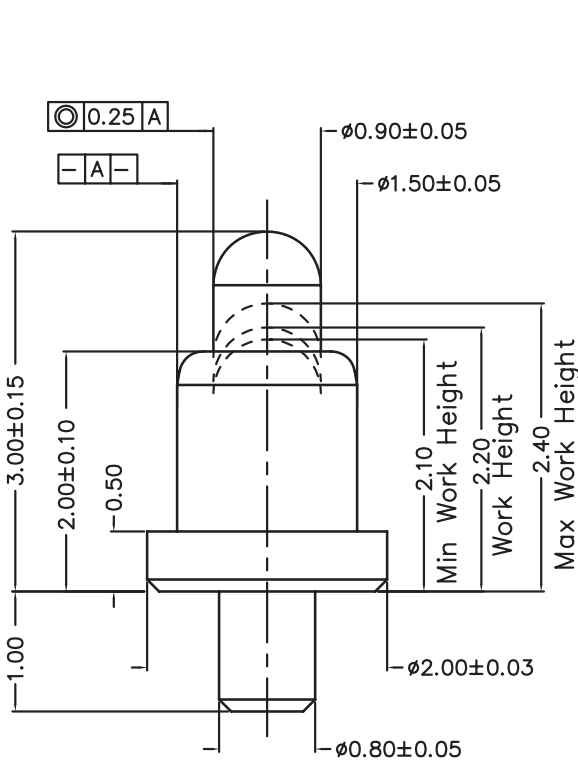
**SPECIFICATIONS**

| 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 | 30     | 50  | 70  | gf     |
|                       | at working height      | 50     | 70  | 90  | gf     |
|                       | at maximum compression | 55     | 75  | 95  | gf     |
| mid stroke            |                        |        | 0.8 |     | mm     |
| full stroke           |                        |        | 0.9 |     | mm     |
| working height        |                        |        | 2.4 |     | 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<br>over 1.25 µm min<br>nickel |
| plunger     | brass                | 0.25 µm min gold<br>over 1.25 µm min<br>nickel |
| spring      | stainless steel wire |                                                |



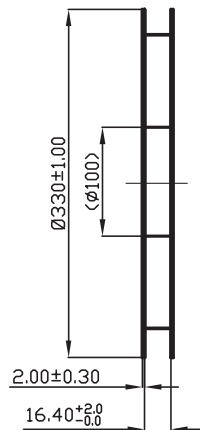
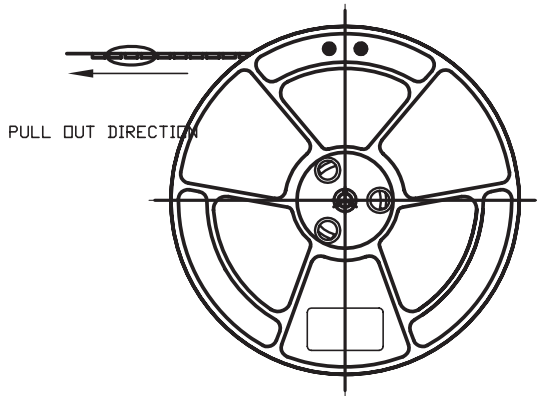
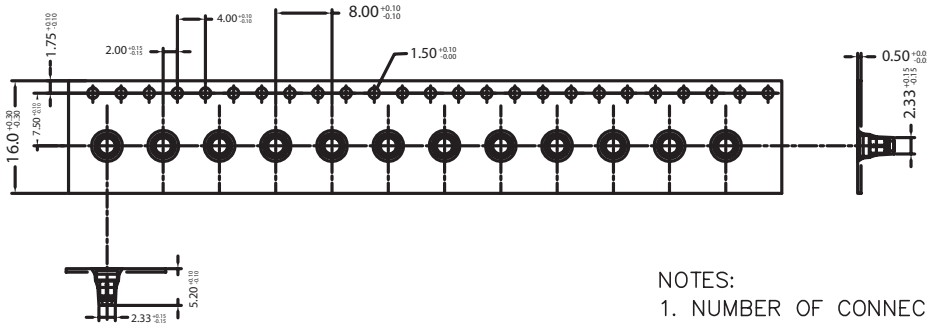
Recommended PCB Layout  
Top View

## PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,500 pcs per reel



### NOTES:

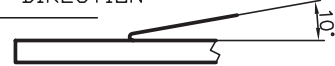
1. NUMBER OF CONNECTORS : 1500 PCS/REEL
2. LEAD TAPE LENGTH

TOP TAPE BONDED PART.(EMPTY)



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 |

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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