

**MODEL:** CPG-01-SMT-TR | **DESCRIPTION:** POGO PIN

**FEATURES**

- pogo pin
- surface mount
- gold plated
- 4.2 mm recommended working height

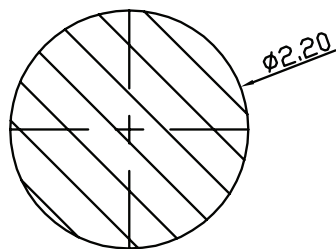
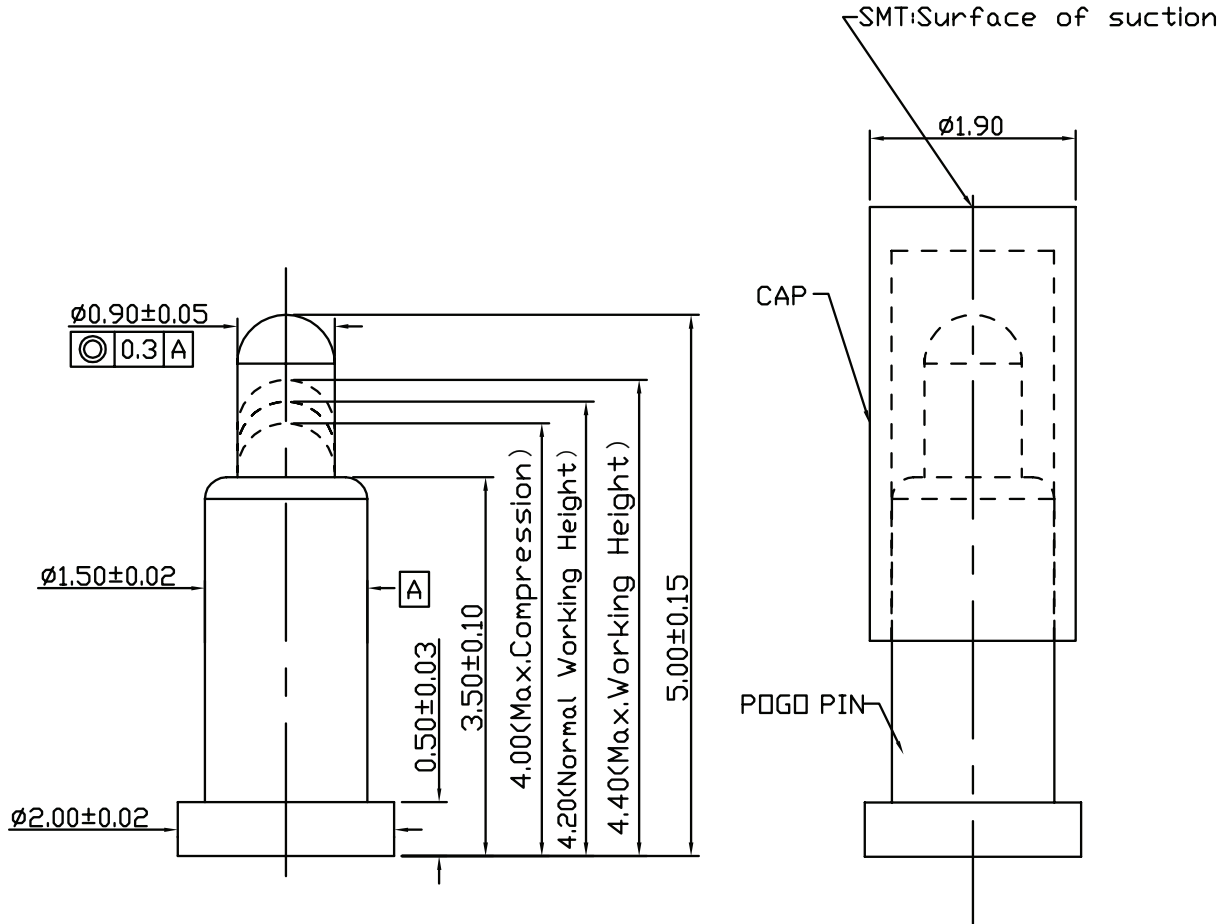

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage				36	Vdc
rated current				2	A
contact resistance	at working height			50	mΩ
force at mid stroke	at working height	80	100	120	gf
initial force			80		gf
mid stroke			0.8		mm
full stroke			1.0		mm
working height			4.2		mm
life		10,000			cycles
operating temperature		-20		85	°C
RoHS	yes				

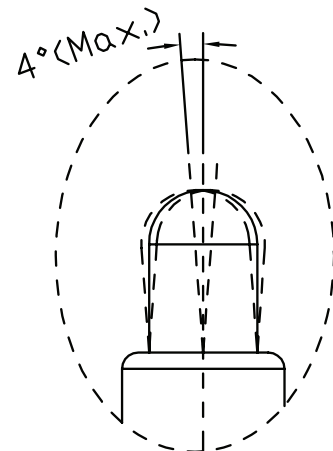
## MECHANICAL DRAWING

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

DESCRIPTION	MATERIAL	PLATING/COLOR
barrel	brass alloy	10 $\mu$ " min gold over 50-120 $\mu$ " nickel
plunger	brass alloy	20 $\mu$ " min gold over 50-120 $\mu$ " nickel
spring	SUS304	



Recommended PCB Layout  
 Top View



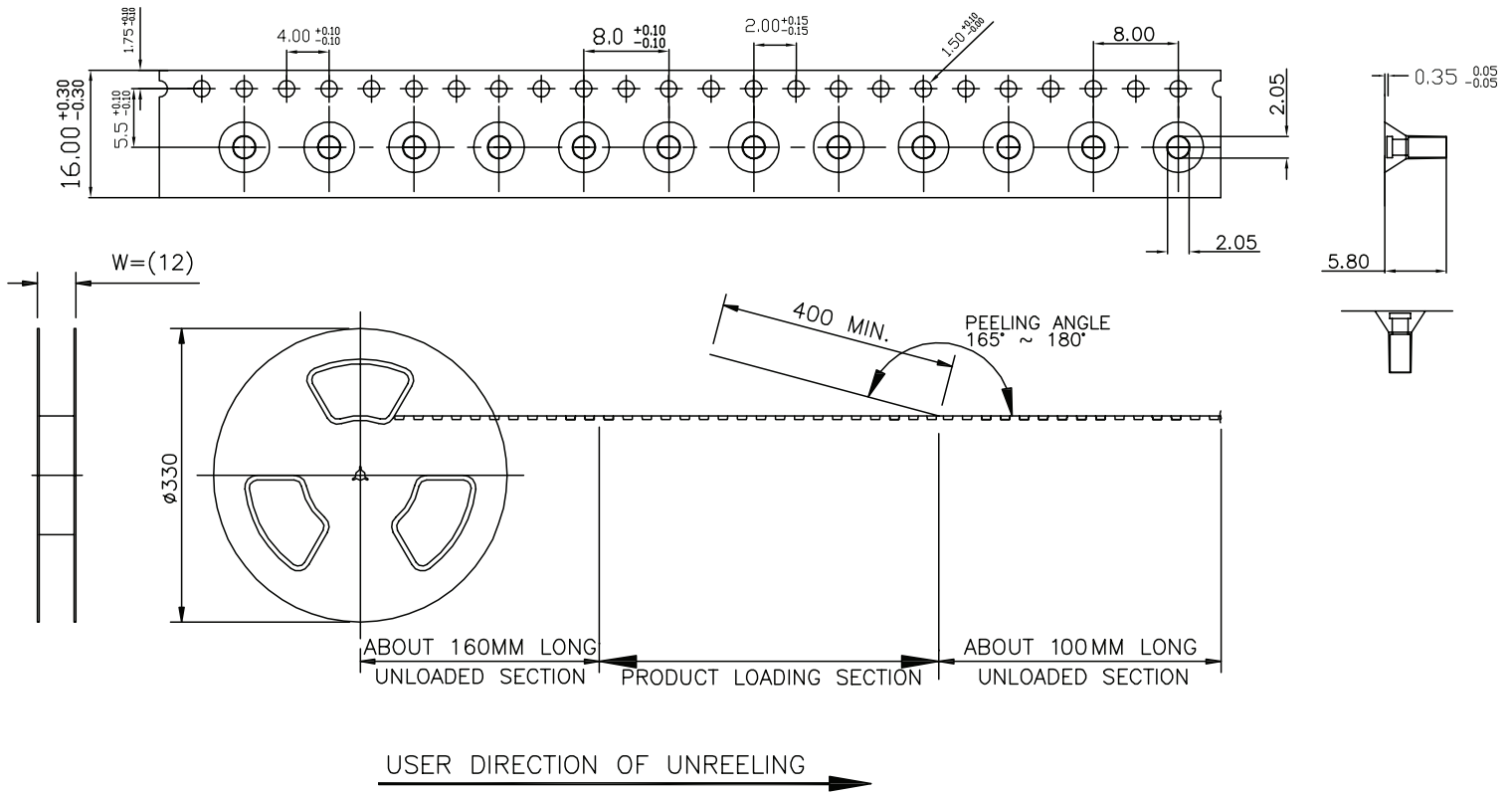
LIMIT YAW ANGLE  $\pm 4^\circ$

## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 1,200 pcs per reel



## REVISION HISTORY

rev.	description	date
1.0	initial release	01/18/2024

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



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

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

[cuidevices.com](http://cuidevices.com)