

**MODEL:** CPG-05-TH-B | **DESCRIPTION:** POGO PIN**FEATURES**

- pogo pin
- through hole
- gold plated
- 6.3 mm recommended working height

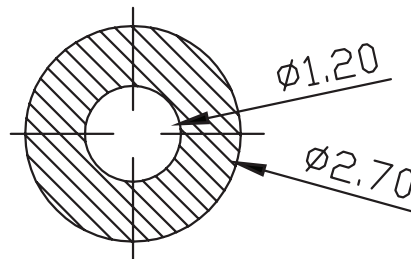
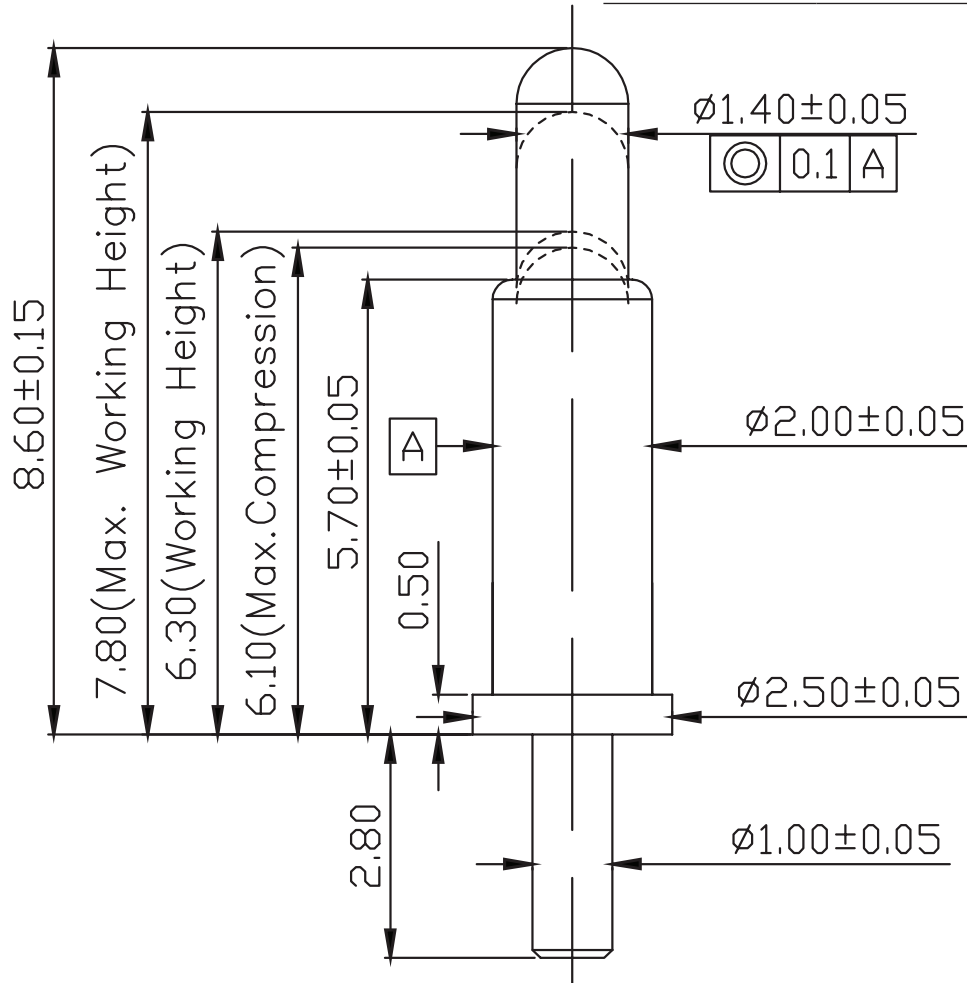
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage				12	Vdc
rated current				1	A
contact resistance	at working height			50	mΩ
force at mid stroke	at working height	15	30	45	gf
initial force			10		gf
mid stroke			2.3		mm
full stroke			2.5		mm
working height			6.3		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	10 $\mu$ " min gold over 50-120 $\mu$ " nickel



Recommended PCB Layout  
 Top View

## 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.



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