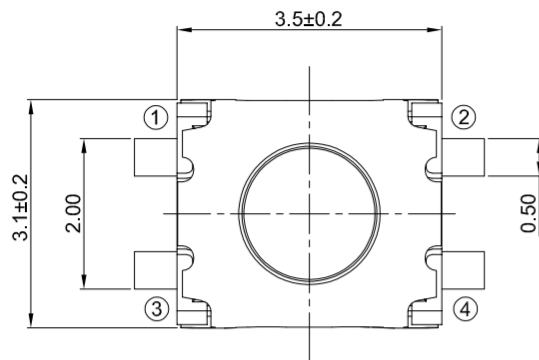


## GT-TC030X-HXXX-LX

G-Switch

### Operating Force

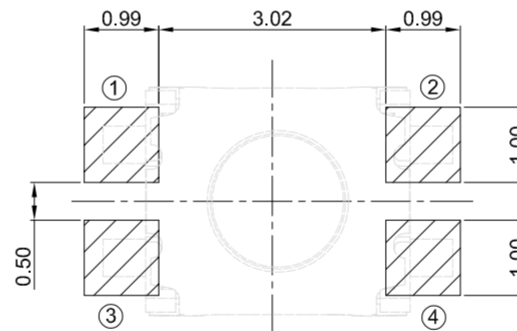
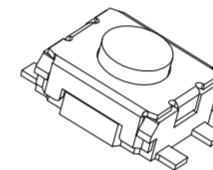
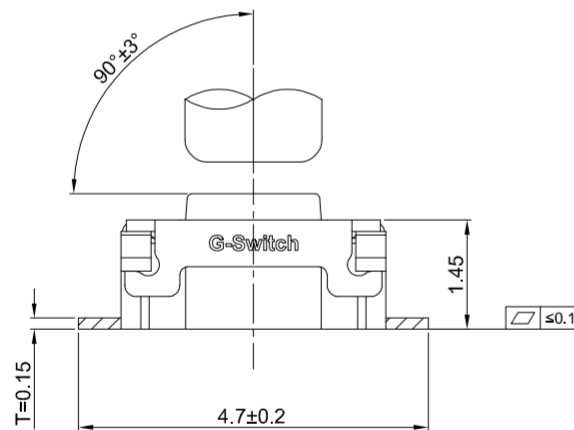
A=160gf  
B=250gf  
C=100gf  
D=400gf

### Switch Height (mm)

H020=2.00 (PPA)  
H022=2.20 (PPA)  
H025=2.50 (PPA)  
H030=3.00 (PPA)  
H040=4.00 (C2680)

**Switch Lifetime**  
L1=100,000 Cycles

Keying Tip Tilt

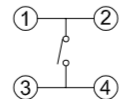


**RECOMMENDED PCB LAYOUT**  
TOLERANCE:±0.05

### G-Switch Specification:

1. Operating temperature range: -40°C ~ +85°C
2. Rating: 50mA.12V DC
3. Insulation resistance: 100MΩ min.100V DC
4. Dielectric strength: 250V AC for 1 min
5. Contact resistance: 100mΩ max.
6. Travel: 0.20±0.1mm

|     |           |                          |            |
|-----|-----------|--------------------------|------------|
| 5   | STEM      | PPA/C2680                | --         |
| 4   | COVER     | STAINLESS STEEL          | Ag PLATING |
| 3   | CONTACT   | STAINLESS STEEL          | Ag PLATING |
| 2   | BASE      | HIGH TEMPERATURE PLASTIC | BLACK      |
| 1   | TERMINAL  | COPPER ALLOY             | Ag PLATING |
| NO. | PART NAME | MATERIAL                 | REMARK     |



CIRCUIT DIAGRAM



|                                        |          |                                                 |         |          |            |
|----------------------------------------|----------|-------------------------------------------------|---------|----------|------------|
| SCALE:                                 | UNIT: mm | Title: Vertical Tact Switch<br>Flat 3.5×3.1×Hmm |         |          |            |
| SIZE: A4                               |          | Molde Code: GT-TC030X-HXXX-LX                   |         |          |            |
| Unless otherwise<br>General Tolerance: |          | DRAWN                                           | CHECKED | APPROVED | DATE       |
|                                        |          | Jiang                                           | Xia     | Chen     | 2025,02,01 |
| X.                                     | ±0.40    | REV: A0                                         |         |          |            |
| X.x                                    | ±0.30    | SHEET: 1/1                                      |         |          |            |
| X.xx                                   | ±0.20    |                                                 |         |          |            |
| X*                                     | ±3°      |                                                 |         |          |            |

