

A

B

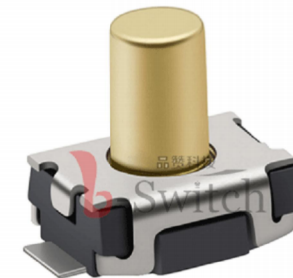
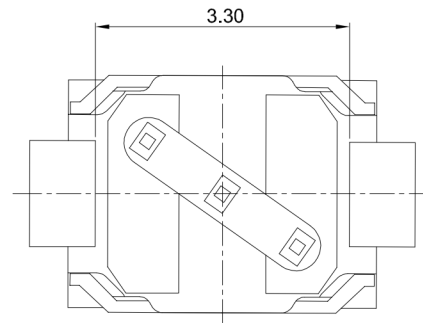
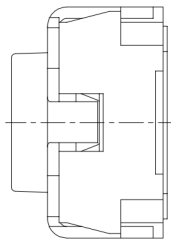
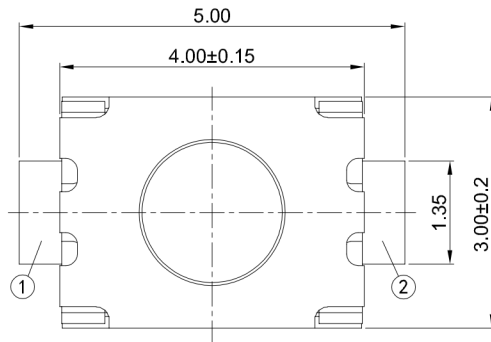
C

D

E

1

1



2

2

GT-TC029A-H040-L1 N

G-Switch

Operating Force

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

Detail

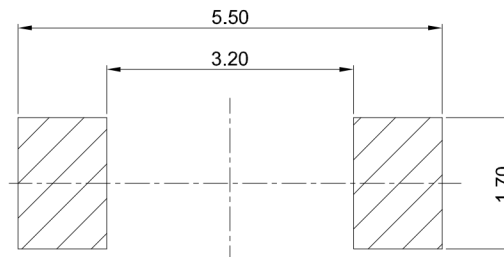
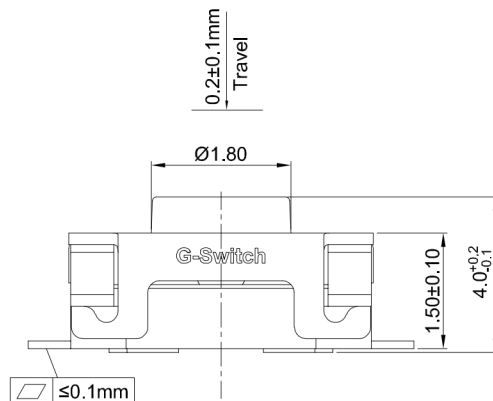
A=Base With Pilot  
N=Non Pilot

Switch Height

H020=2.0mm  
H025=2.5mm  
H030=3.0mm  
H040=4.0mmSwitch Lifetime (Force)  
L1=100,000 Cycles

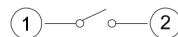
3

3

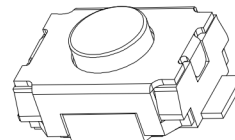
RECOMMENDED PCB LAYOUT  
TOLERANCE:±0.05

4

4



CIRCUIT DIAGRAM



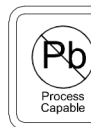
## G-Switch Specification:

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±0.10mm

5

5

|     |           |                          |            |
|-----|-----------|--------------------------|------------|
| 6   | STEM      | C2680                    |            |
| 5   | COVER     | STAINLESS STEEL          |            |
| 4   | TAPE      | POLYIMIDE                |            |
| 3   | CONTACT   | STAINLESS STEEL          | Ag PLATING |
| 2   | TERMINAL  | COPPER ALLOY             | Ag PLATING |
| 1   | CASE      | HIGH TEMPERATURE PLASTIC |            |
| NO. | PART NAME | MATERIAL                 | REMARK     |

RoHS  
Compliant  
EU RoHS StandardsSCALE: 1:1 UNIT: mm  
SIZE: A4Unless otherwise  
General Tolerance:  
X. ±0.40  
X.x ±0.30  
X.xx ±0.20  
X° ±5°  
X.x° ±3°Title: Vertical Tact Switch  
SMT Flat Terminal 4.0×3.0×4.0mm

Molde Code: GT-TC029A-H040-L1N

|       |         |          |            |
|-------|---------|----------|------------|
| DRAWN | CHECKED | APPROVED | DATE       |
| Xia   | Chen    | Chen     | 2023.02.01 |

  
品赞科技®  
www.dg-switch.com

REV: A0

SHEET: 1/1

A

B

C

D

E