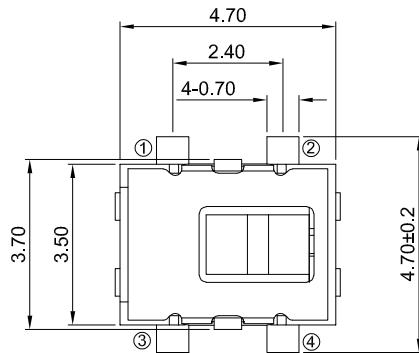


## DS - S A001A-H038-L1 A

**Detector Switch**

**Installation**  
S=SMT

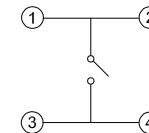
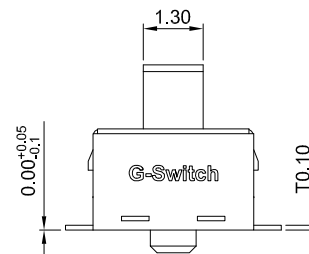
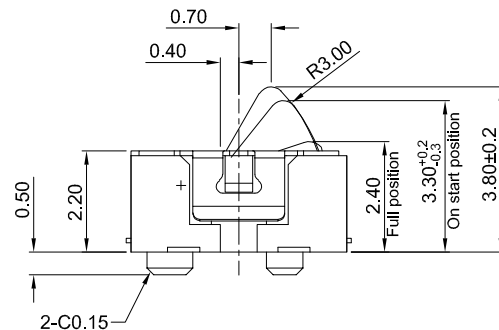
**Structure**  
A=Shrapnel contact

**Operating Force**  
A=30±20gf

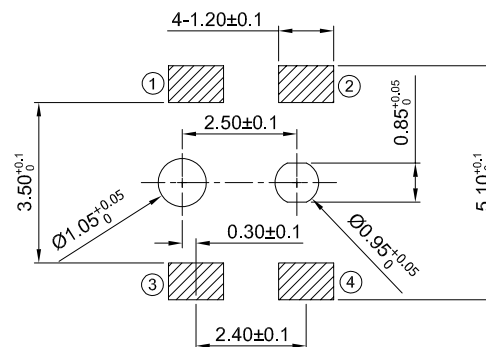
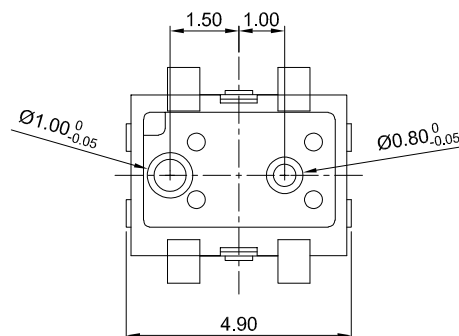
**Switch Height(mm)**  
H036=3.6 Push white  
H038=3.8 Push grey

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

**Detail**  
A=With Pilot  
N=Non Pilot



CIRCUIT DIAGRAM



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: 50MΩ min, 100V DC
4. Dielectric strength: 250V AC for 1 min
5. Contact resistance: 1000mΩ max.
6. Travel: 0.30<sup>+0.3</sup>/<sub>0.2</sub>mm

|     |           |                    |                |
|-----|-----------|--------------------|----------------|
| 5   | PUSH      | LCP                | WHITE/GREY     |
| 4   | COVER     | STAINLESS STEEL301 | CLEAN          |
| 3   | CONTACT   | STAINLESS STEEL301 | Au1u" PLATING  |
| 2   | TERMINAL  | C5210              | Ag15u" PLATING |
| 1   | BASE      | PA9T               | BLACK          |
| NO. | PART NAME | MATERIAL           | REMARK         |



|                                                                                      |          |                                                       |         |          |            |
|--------------------------------------------------------------------------------------|----------|-------------------------------------------------------|---------|----------|------------|
| SCALE: 1:1                                                                           | UNIT: mm | Title: Vertical Detector Switch<br>SMT 4.7×3.5×H3.8mm |         |          |            |
| SIZE: A4                                                                             |          | Molde Code: DS-SA001A-H038-L1A                        |         |          |            |
| Unless otherwise General Tolerance:<br>X. ±0.40<br>X.x ±0.30<br>X.xx ±0.20<br>X* ±3° |          | DRAWN                                                 | CHECKED | APPROVED | DATE       |
|                                                                                      |          | Xia                                                   | Chen    | Chen     | 2024.03.10 |



REV: A0 SHEET: 1/1