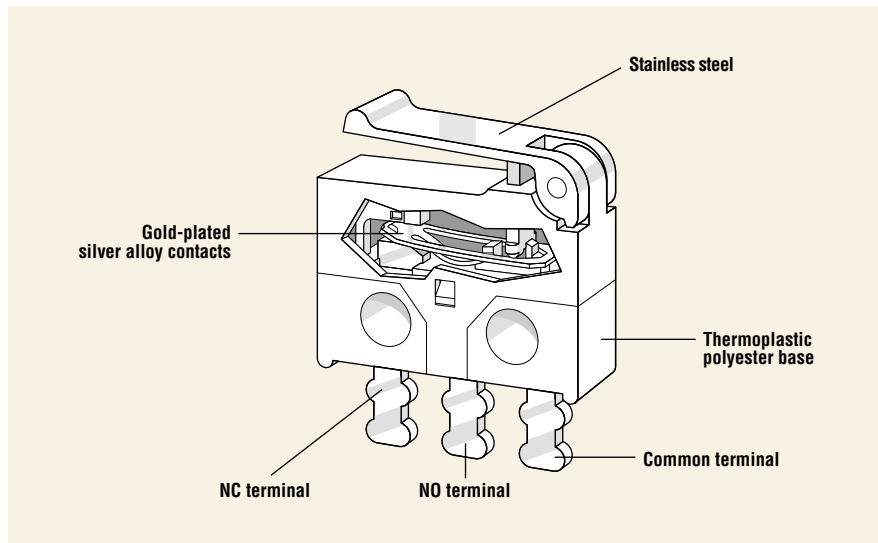


# SUBMINIATURE DH Series

## Features

- Ultraminiature dimensions, just 0.323" x 0.106" x 0.244" (8.2mm x 2.7mm x 6.2mm)
- Specially designed for low switching currents and voltages
- Available with or without auxiliary actuator
- Can be fitted to circuit boards in upright position or horizontally with formed terminals



## Electrical Ratings

| Switch Series | Electrical Rating |
|---------------|-------------------|
| DH2           | 5 to 500mA@30VDC  |

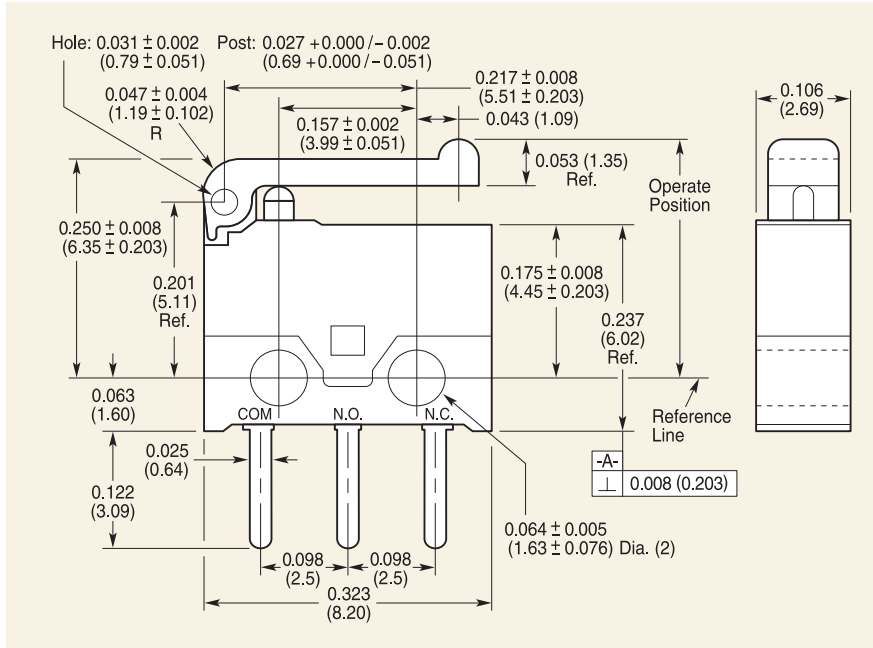
## Specifications

| Electrical           |                     |
|----------------------|---------------------|
| Temperature Rating:  | -25°C to +70°C      |
| Flammability Rating: | UL94V-0             |
| Materials            |                     |
| Base:                | PPS                 |
| Button:              | PBT                 |
| Cover:               | PBT                 |
| Auxiliary Actuator:  | Plastic             |
| Terminals:           | Silver-Plated Brass |
| Contacts             | Gold-Plated Brass   |

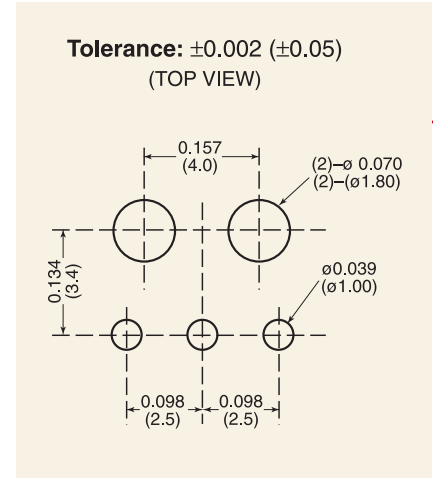
PBT = Polybutyleneterephthalate • PPS = Polyphenylene Sulphide





## Dimensions inches (mm)



## PCB Layout inches (mm)



## Actuator Specifications







| Actuator Type | Switch Type   | Maximum Operating Force (gms.) | Maximum Pre-Travel inches (mm) | Operating Point inches (mm) | Minimum Over-Travel inches (mm) | Max. Movement Differential inches (mm) |
|---------------|---|--------------------------------|--------------------------------|-----------------------------|---------------------------------|--|
| AA            |  | 90                             | 0.008 (0.2)                    | 0.220±0.006 (5.6±0.15)      | 0.004 (0.1)                     | 0.003 (0.07)                           |
| PA            |  | 50                             | 0.051 (1.3)                    | 0.264±0.020 (6.7±0.5)       | 0.012 (0.3)                     | 0.024 (0.6)                            |

## Mounting

Recommended mounting screw: M1.6.  
Recommended torque: 9.81 cN•M (1.0 kgf•cm). Recommended use of a flat washer and a spring washer for locking.

## Ordering Information

| DH            | 2                | C                     |
|---------------|------------------|-----------------------|
| Series/Prefix | Code             | Contact Configuration |
|               | C                | SPDT                  |
| Code          | Current Rating   |                       |
| 2             | 5 to 500mA@30VDC |                       |

| B1   |   |   |
|------|---|---|
| Code | Terminal Type inches (mm)                                   | Terminal Configuration  |
| B1   | 0.051 x 0.122 x 0.020<br>(1.3 x 3.1 x 0.5) Solder, Straight |  |
| B2   | 0.025 x 0.122 x 0.020<br>(0.6 x 3.1 x 0.5) PCB, LH Side     |  |
| B3   | 0.025 x 0.122 x 0.020<br>(0.6 x 3.1 x 0.5) PCB, LH Side     |  |
| C4   | 0.025 x 0.122 x 0.020<br>(0.6 x 3.1 x 0.5) PCB, Straight    |  |
| C5   | 0.025 x 0.122 x 0.020<br>(0.6 x 3.1 x 0.5) PCB, RH Side     |  |
| C6   | 0.025 x 0.122 x 0.020<br>(0.6 x 3.1 x 0.5) PCB, LH Side     |  |

AA

| Code | Actuator Type    |
|------|------------------|
| AA   | Button           |
| PA   | Simulated Roller |