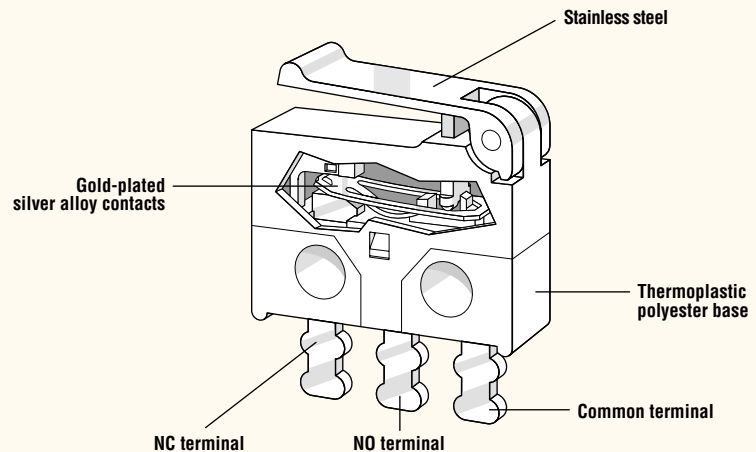


# SUBMINIATURE DH Series

## 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 integrated auxiliary actuator
- Can be fitted to circuit boards in upright position or horizontally with formed terminals



## Electrical Ratings

Switch Series	Electrical Rating
DH3	50 to 300mA@30VDC
DH4	5 to 50mA@30VDC

## Specifications

Electrical	
Temperature Rating:	-25°C to +70°C
Flammability Rating:	UL94V-O

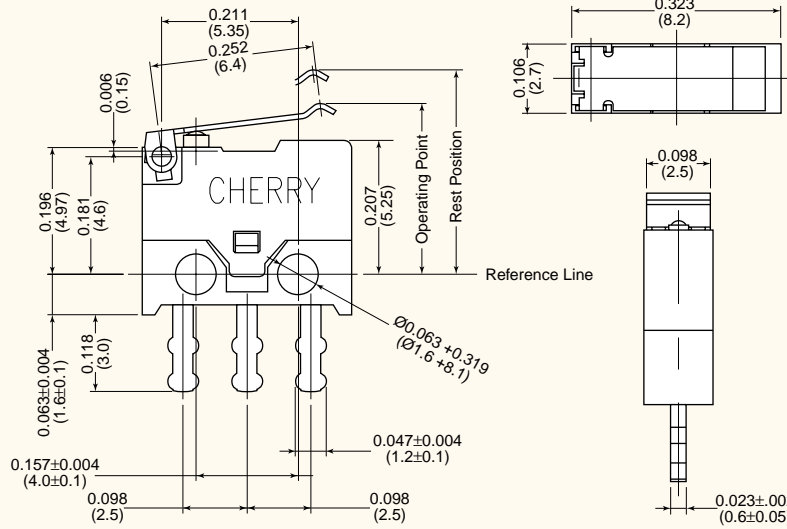
Materials	
Base:	PPS
Button:	PBT
Cover:	PBT
Auxiliary Actuator:	Stainless Steel
Terminals:	Silver-Plated Brass
Contacts:	Silver-Plated Brass (DH3) Gold-Plated Brass (DH4)

PBT = Polybutyleneterephthalate • PPS = Polyphenylene Sulphide



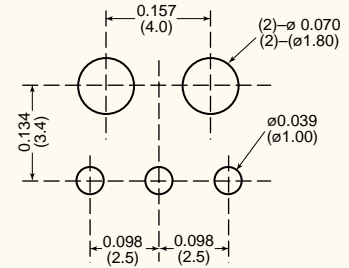


### Dimensions inches (mm)



### PCB Layout inches (mm)

Tolerance:  $\pm 0.002$  ( $\pm 0.05$ )  
(TOP VIEW)



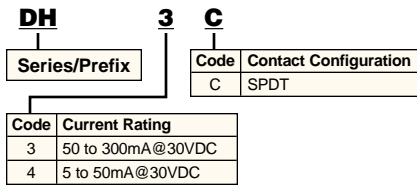
### Mounting

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.

### 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)
LA		50	0.051 (1.3)	0.264±0.020 (6.7±0.5)	0.012 (0.3)	0.024 (0.6)

### Ordering Information



**B1**

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

**AA**

Code	Actuator Type
AA	Button
LA	Simulated Roller