

## SERIES: MPB01 | DESCRIPTION: MINI PUSH BUTTON SWITCH

### FEATURES

- single pole
- through hole
- bracket options
- cap options



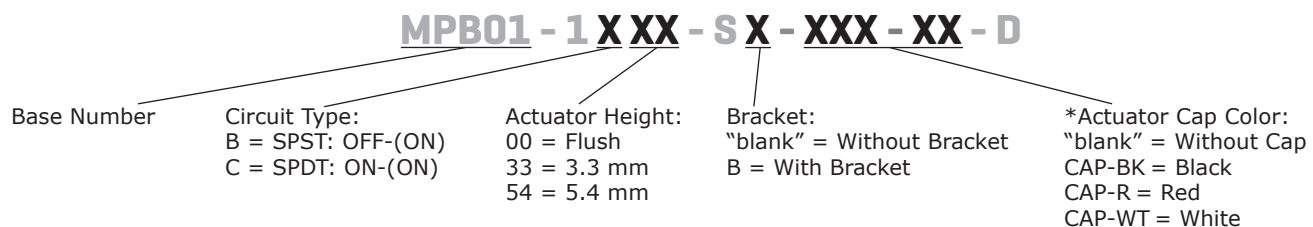
### SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage				28	Vdc
rated current				14	mA
withstanding voltage	for 1 minute		500		Vac
contact resistance				50	mΩ
insulation resistance	at 500 Vdc	500			MΩ
operating force		150	250	350	gf
actuator travel			1.1		mm
operating temperature		-25		80	°C
life			20,000		cycles
flammability rating	see material table				
RoHS	yes				
packaging	tray QTY: 100 pcs per tray box QTY: 1,200 pcs per box				

### SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
wave soldering	for maximum 5 seconds			270	°C

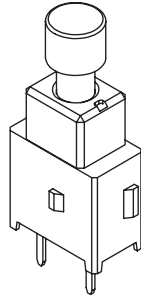
### PART NUMBER KEY



Note: \*Actuator cap only on 5.4 mm actuator height versions.

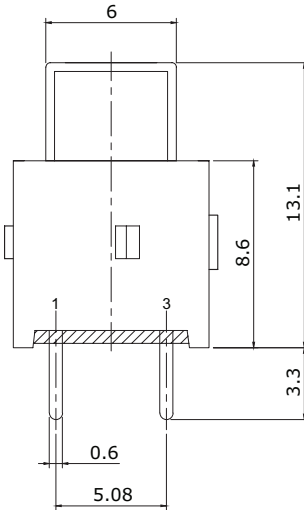
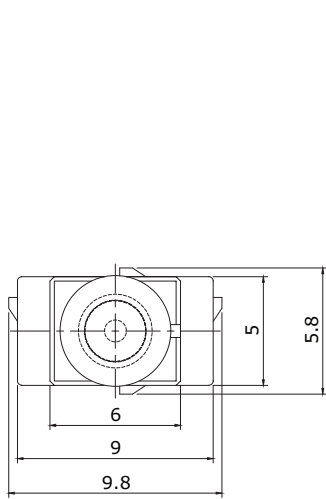
## MECHANICAL DRAWING (SPST CIRCUIT WITHOUT BRACKET)

units: mm  
tolerance: ±0.3 mm  
unless otherwise noted

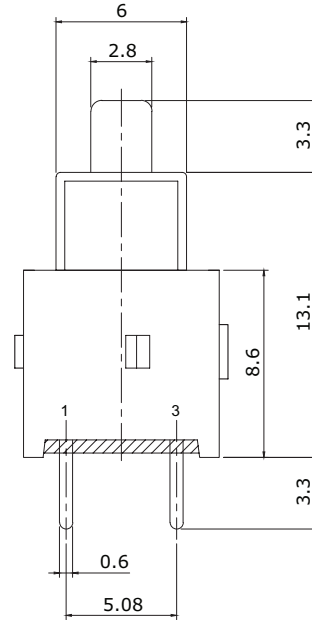


ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	actuator	POM (UL94HB)	white
2	housing	PA66 (UL94V-0)	black
3	terminals	brass	gold
4	cap	POM (UL94HB)	black (BK) red (R) white (WT)

### FLUSH ACTUATOR

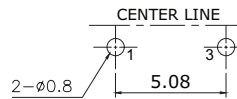
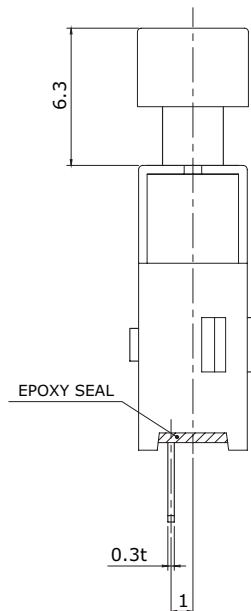
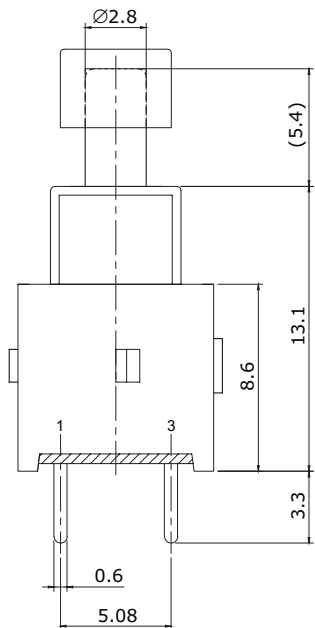


### 3.3 MM ACTUATOR



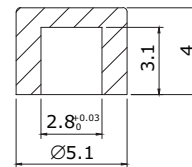
ACTUATOR POSITION ( ): MOMENTARY	
NORMAL	DOWN
OFF	(ON) 1-3
SCHEMATIC	

### 5.4 MM ACTUATOR



Recommended PCB Layout  
Top View

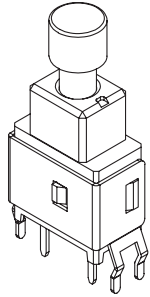
### ACTUATOR CAP



Note: \*Actuator cap only on 5.4 mm actuator height versions.

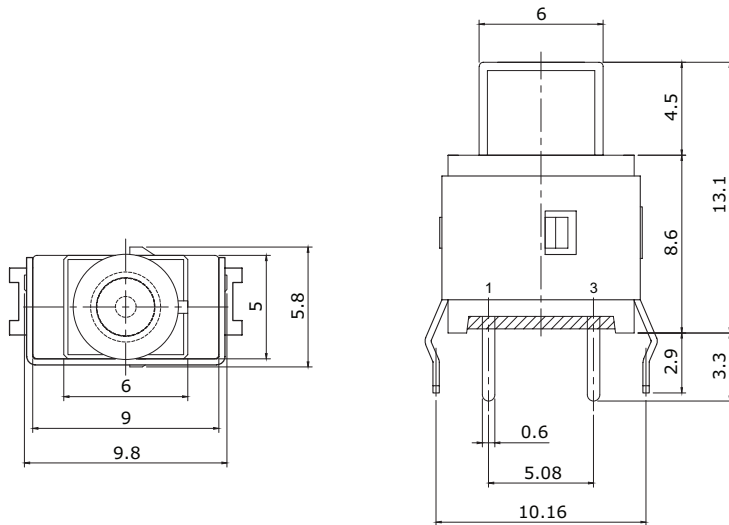
## MECHANICAL DRAWING (SPST CIRCUIT WITH BRACKET)

units: mm  
tolerance: ±0.3 mm  
unless otherwise noted

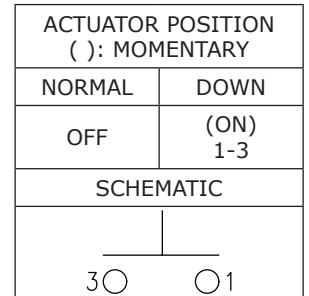
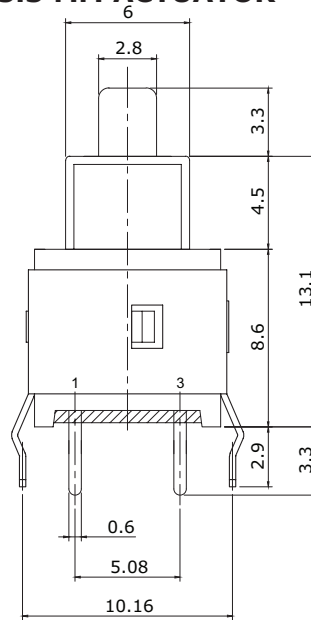


ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	actuator	POM (UL94HB)	white
2	housing	PA66 (UL94V-0)	black
3	terminals	brass	gold
4	bracket	phosphor bronze	tin
5	cap	POM (UL94HB)	black (BK) red (R) white (WT)

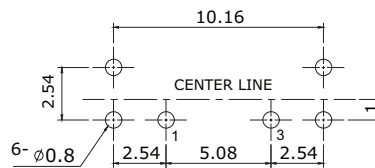
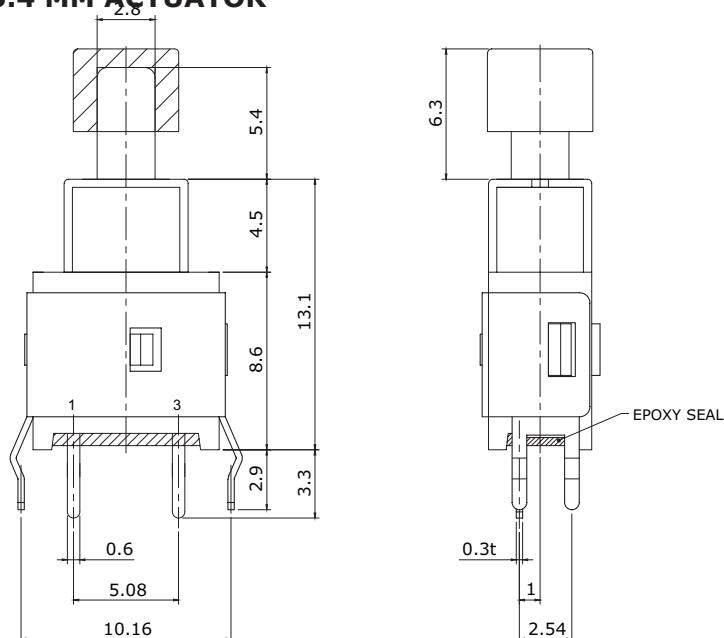
### FLUSH ACTUATOR



### 3.3 MM ACTUATOR

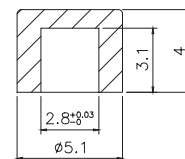


### 5.4 MM ACTUATOR



Recommended PCB Layout  
Top View

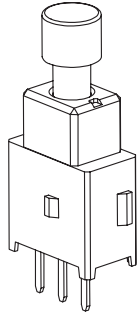
### ACTUATOR CAP



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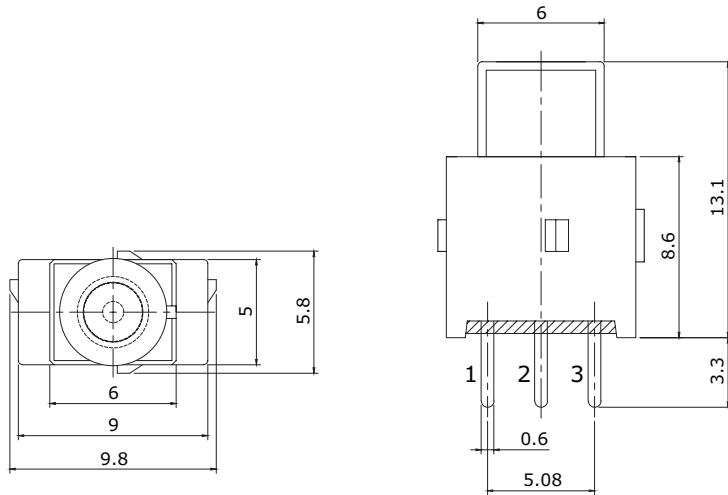
## MECHANICAL DRAWING (SPDT CIRCUIT WITHOUT BRACKET)

units: mm  
tolerance:  $\pm 0.3$  mm  
unless otherwise noted

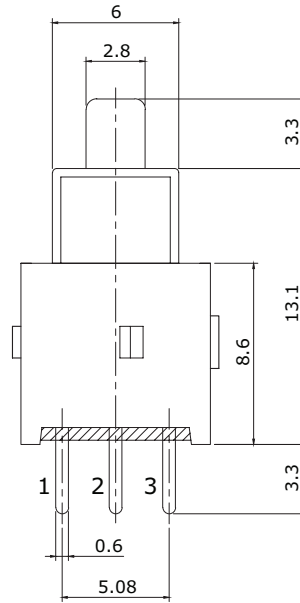


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### FLUSH ACTUATOR

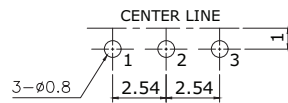
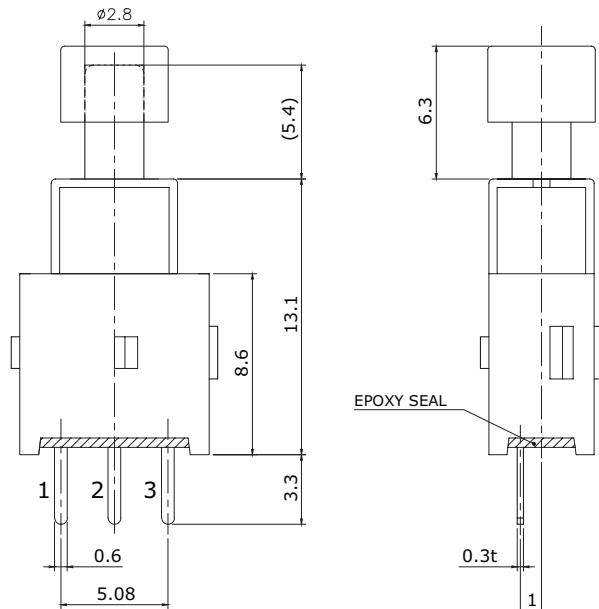


### 3.3 MM ACTUATOR



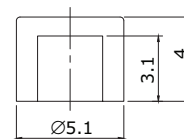
ACTUATOR POSITION ( ): MOMENTARY	
NORMAL	DOWN
ON 2-3	(ON) 2-1
SCHEMATIC	

### 5.4 MM ACTUATOR



Recommended PCB Layout  
Top View

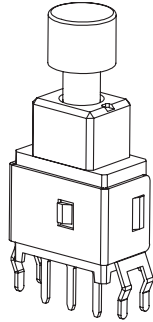
### ACTUATOR CAP



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## MECHANICAL DRAWING (SPDT CIRCUIT WITH BRACKET)

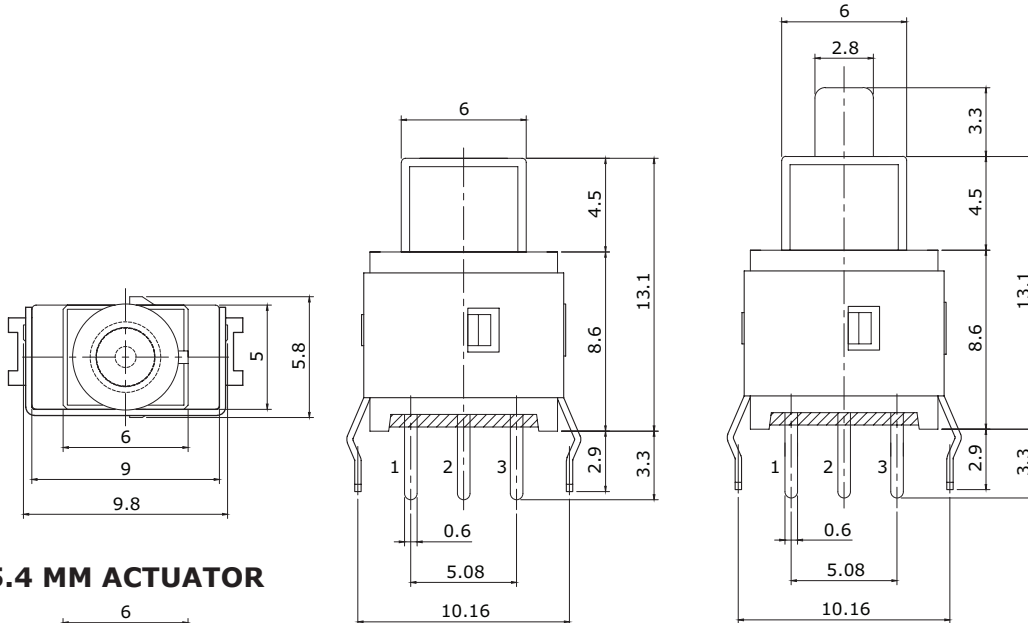
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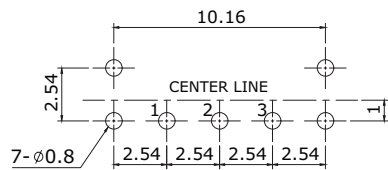
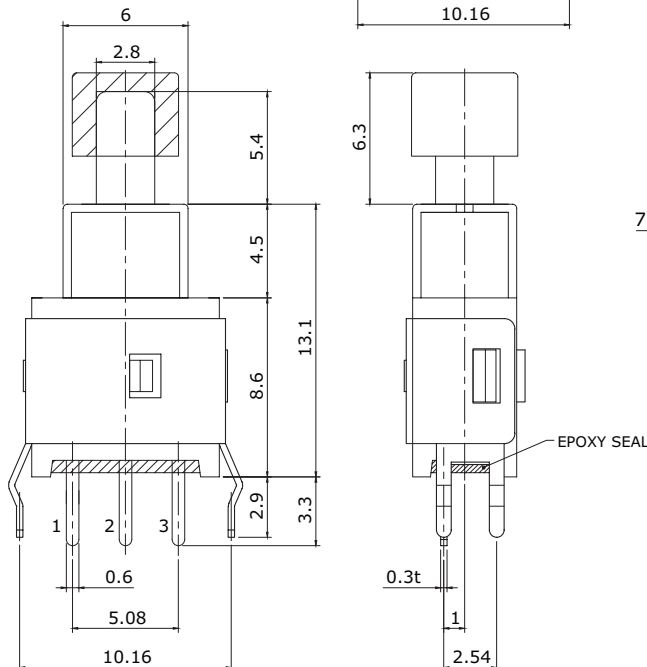
### FLUSH ACTUATOR

### 3.3 MM ACTUATOR



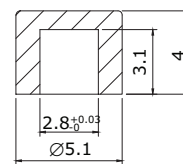
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ON 2-3	(ON) 2-1
SCHEMATIC	

### 5.4 MM ACTUATOR



Recommended PCB Layout  
Top View

### ACTUATOR CAP



Note: \*Actuator cap only on 5.4 mm actuator height versions.

## REVISION HISTORY

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rev.	description	date
1.0	initial release	06/03/2021

The revision history provided is for informational purposes only and is believed to be accurate.

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