

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

**FEATURES**

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



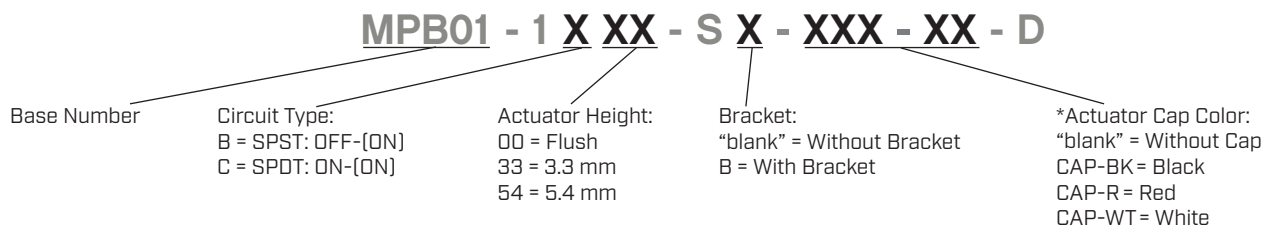
**SPECIFICATIONS**

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

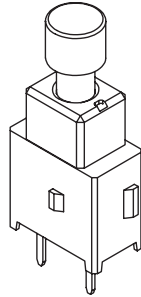
**PART NUMBER KEY**



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

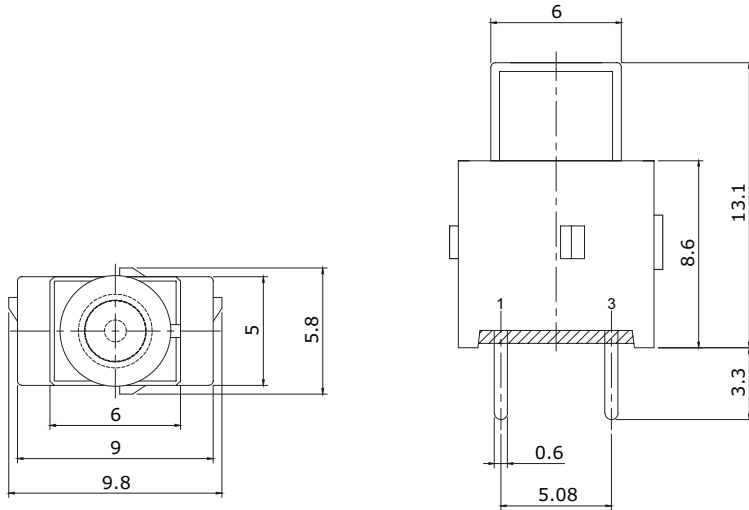
## MECHANICAL DRAWING (SPST CIRCUIT WITHOUT BRACKET)

units: mm  
tolerance: ±0.3 mm  
unless otherwise noted

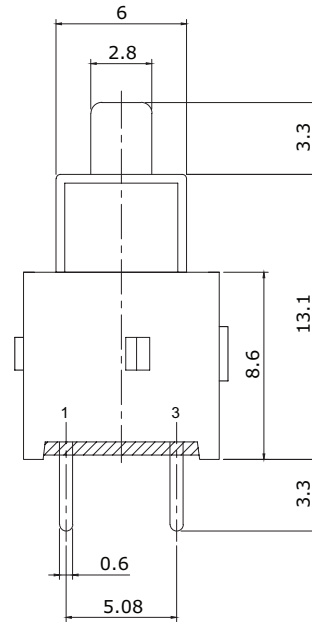


ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	actuator	POM (UL94HB)	white
2	housing	PA66 (UL94V-0)	black
3	terminals	brass	gold
4	cap	POM (UL94HB)	black [BK] red [R] white [WT]

### FLUSH ACTUATOR

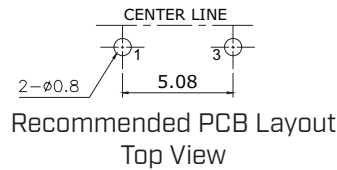
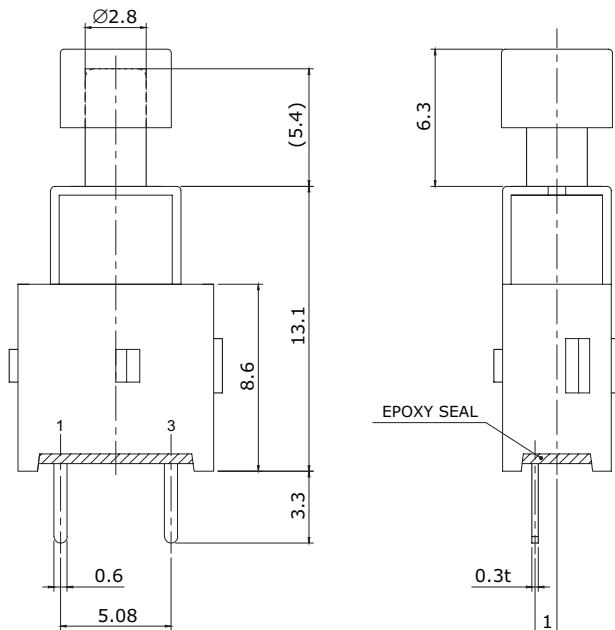


### 3.3 MM ACTUATOR

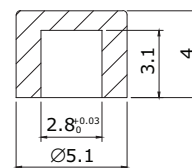


ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
OFF	[ON] 1-3
SCHEMATIC	

### 5.4 MM ACTUATOR



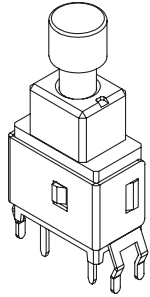
### ACTUATOR CAP



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

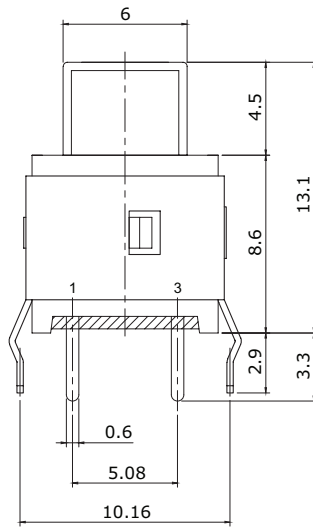
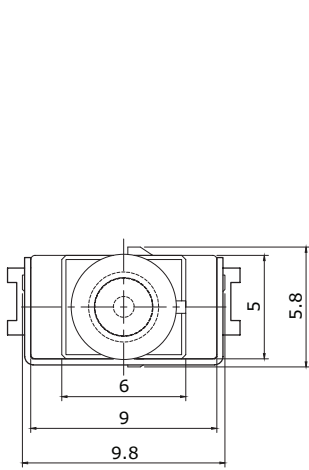
## MECHANICAL DRAWING (SPST CIRCUIT WITH BRACKET)

units: mm  
tolerance: ±0.3 mm  
unless otherwise noted

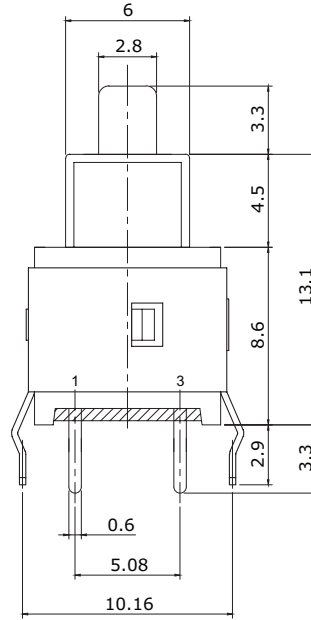


ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	actuator	POM [UL94HB]	white
2	housing	PA66 [UL94V-0]	black
3	terminals	brass	gold
4	bracket	phosphor bronze	tin
5	cap	POM [UL94HB]	black [BK] red [R] white [WT]

### FLUSH ACTUATOR

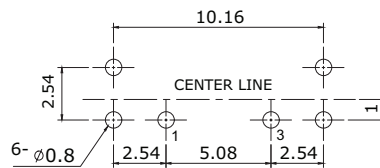
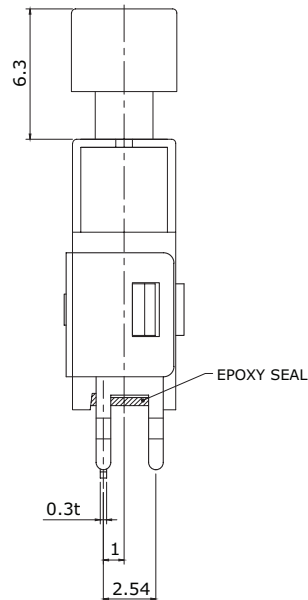
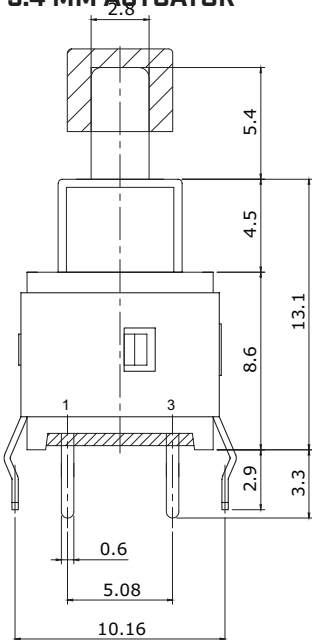


### 3.3 MM ACTUATOR



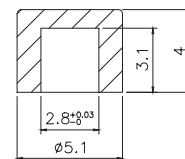
ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
OFF	[ON] 1-3
SCHEMATIC	

### 5.4 MM ACTUATOR



Recommended PCB Layout  
Top View

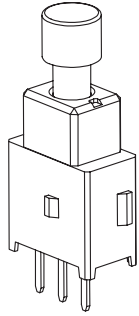
### ACTUATOR CAP



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

## MECHANICAL DRAWING (SPDT CIRCUIT WITHOUT BRACKET)

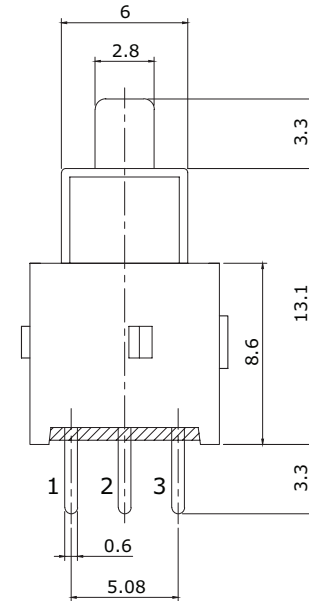
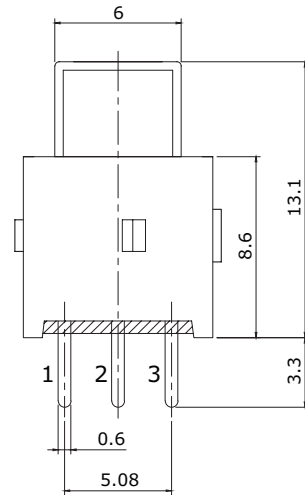
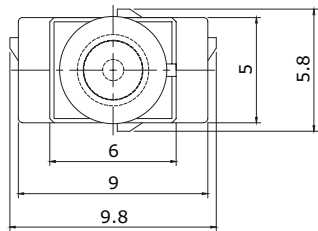
units: mm  
tolerance: ±0.3 mm  
unless otherwise noted



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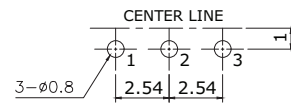
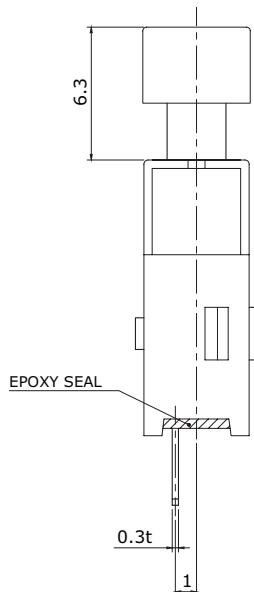
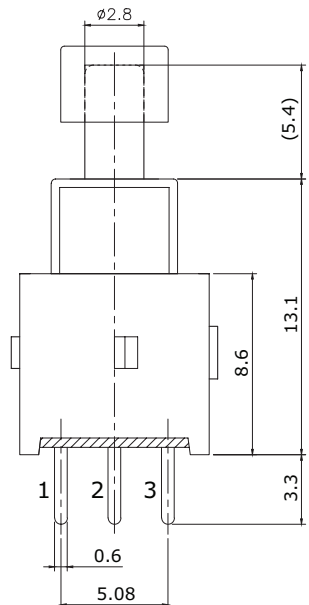
**FLUSH ACTUATOR**

**3.3 MM ACTUATOR**



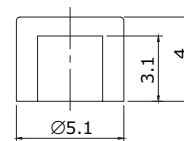
ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
ON 2-3	[ON] 2-1
SCHEMATIC	

**5.4 MM ACTUATOR**



Recommended PCB Layout  
Top View

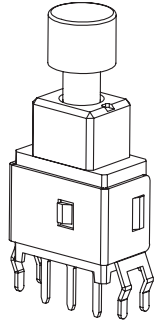
**ACTUATOR CAP**



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

## MECHANICAL DRAWING (SPDT CIRCUIT WITH BRACKET)

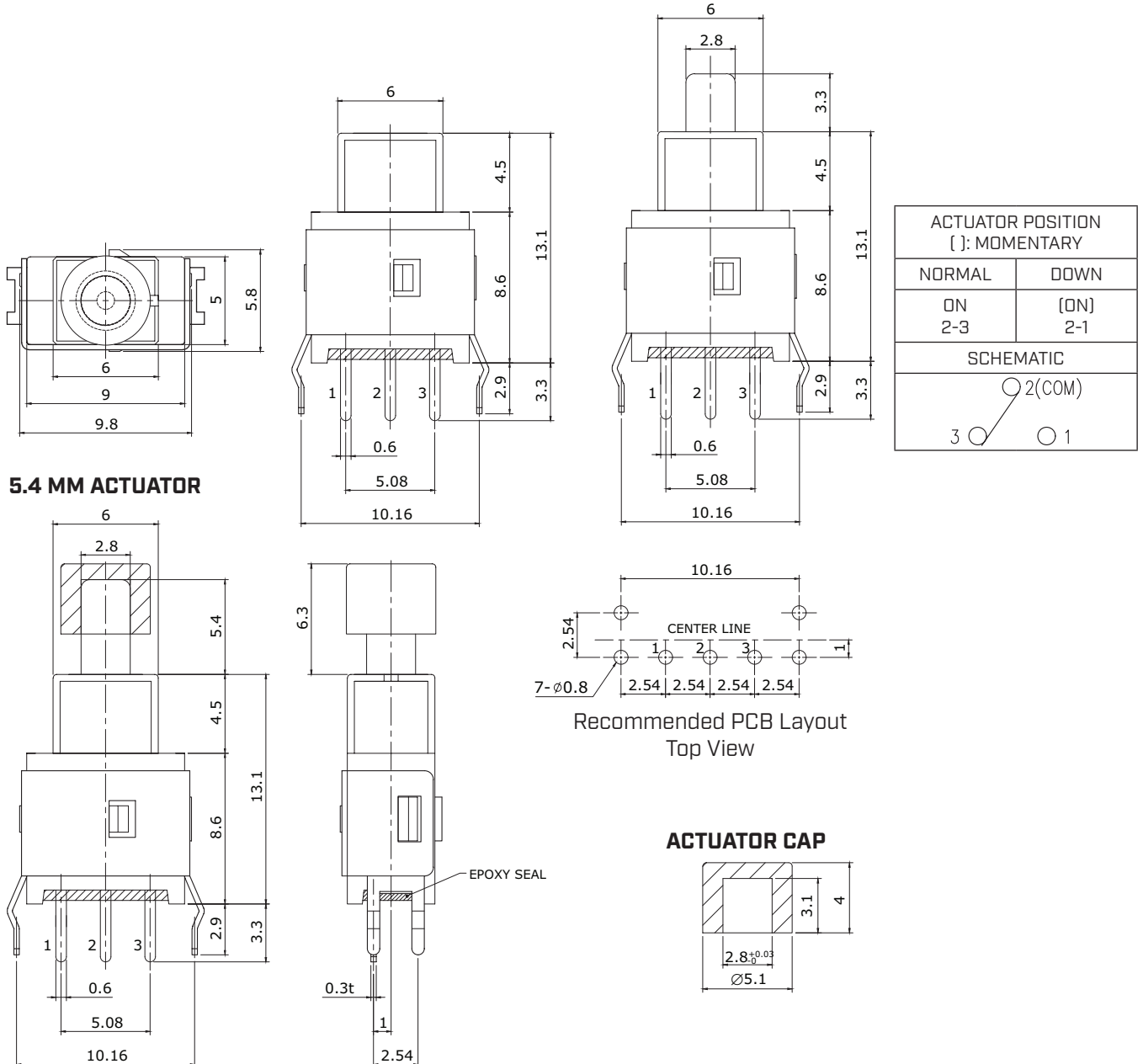
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### FLUSH ACTUATOR

### 3.3 MM ACTUATOR



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

## REVISION HISTORY

rev.	description	date
1.0	initial release	06/03/2021
1.01	logo, datasheet style update	08/05/2022

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



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