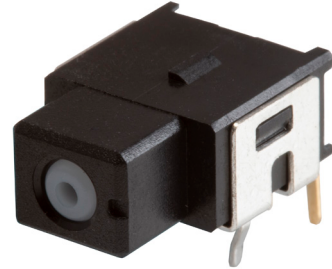


**SERIES:** MPB02 | **DESCRIPTION:** MINI PUSH BUTTON SWITCH**FEATURES**

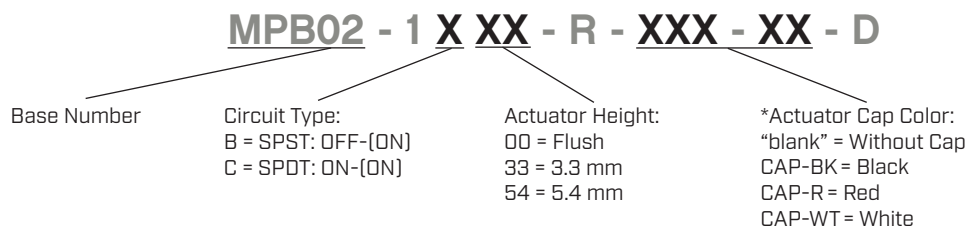
- single pole
- right angle
- cap options

**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<br>box QTY: 1,200 pcs per box |     |        |     |        |

**SOLDERABILITY**

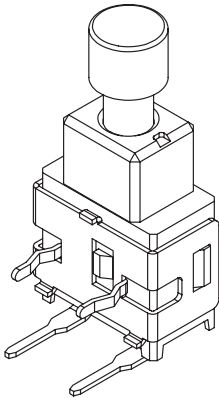
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 3 seconds  |     |     | 350 | °C    |
| wave soldering | for maximum 5 seconds  |     |     | 270 | °C    |

**PART NUMBER KEY**

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

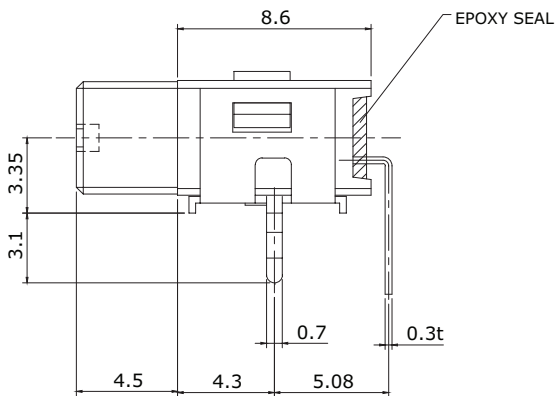
MECHANICAL DRAWING (SPST CIRCUIT)

units: mm  
tolerance: ±0.3 mm  
unless otherwise noted

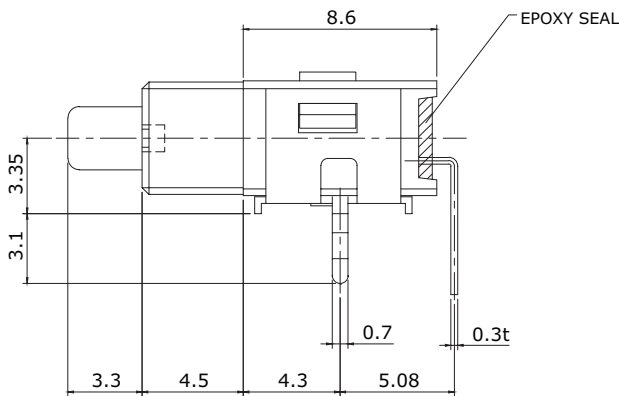


| ITEM | DESCRIPTION | MATERIAL        | PLATING/COLOR                       |
|------|-------------|-----------------|-------------------------------------|
| 1    | actuator    | POM [UL94HB]    | white                               |
| 2    | housing     | PA66 [UL94V-0]  | black                 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

FLUSH ACTUATOR

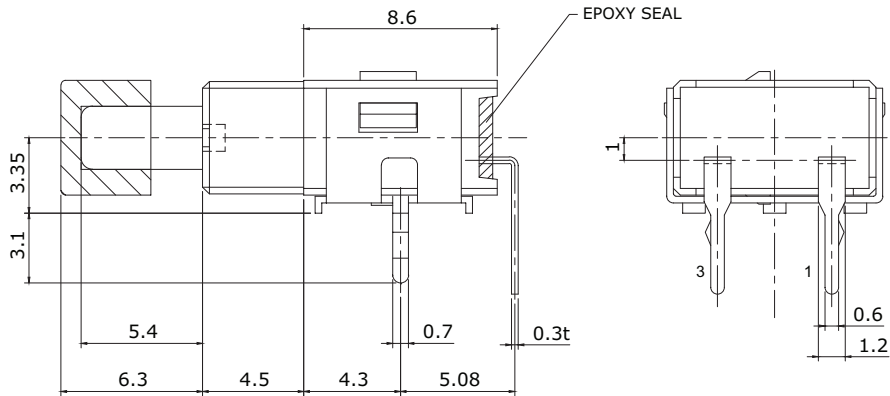
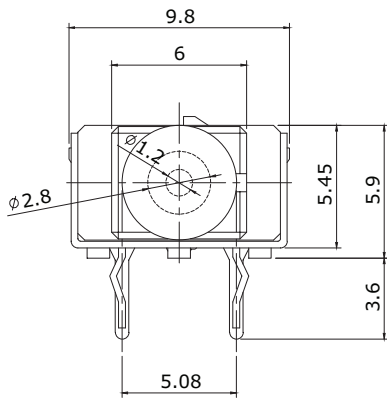


3.3 MM ACTUATOR

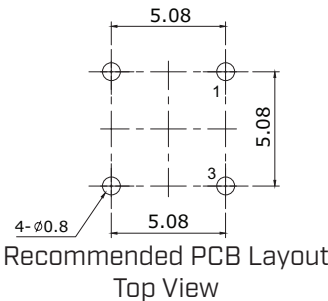
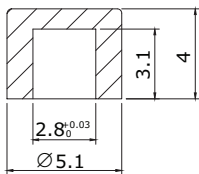


| ACTUATOR POSITION<br>[ ]: MOMENTARY |             |
|-------------------------------------|-------------|
| NORMAL                              | DOWN        |
| OFF                                 | [ON]<br>1-3 |
| SCHEMATIC                           |             |
|                                     |             |

5.4 MM ACTUATOR



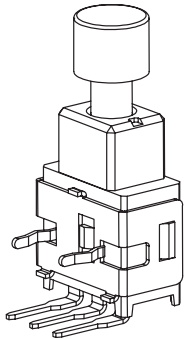
ACTUATOR CAP



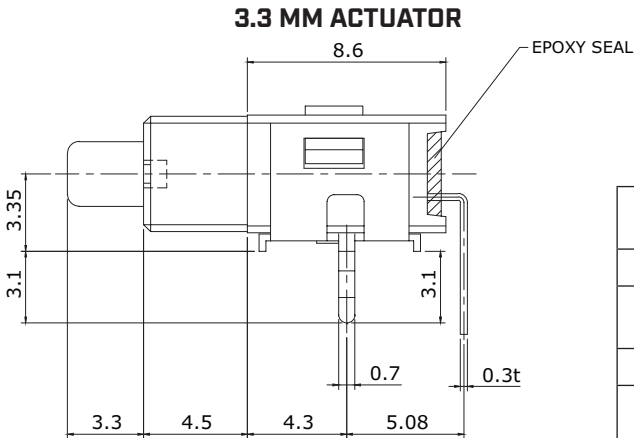
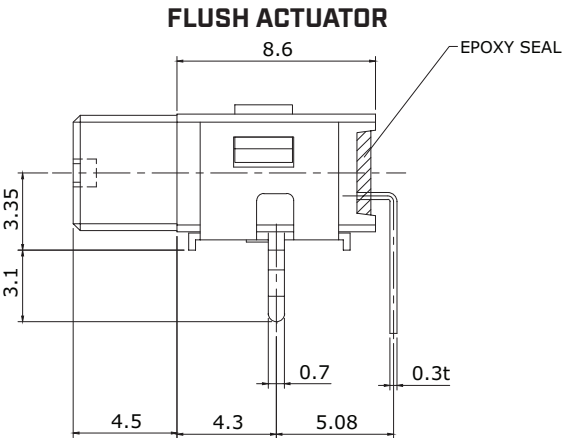
Note: \*Actuator cap only on 5.4 mm actuator height versions.

MECHANICAL DRAWING (SPDT CIRCUIT)

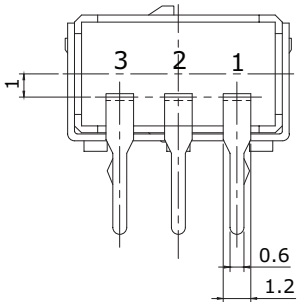
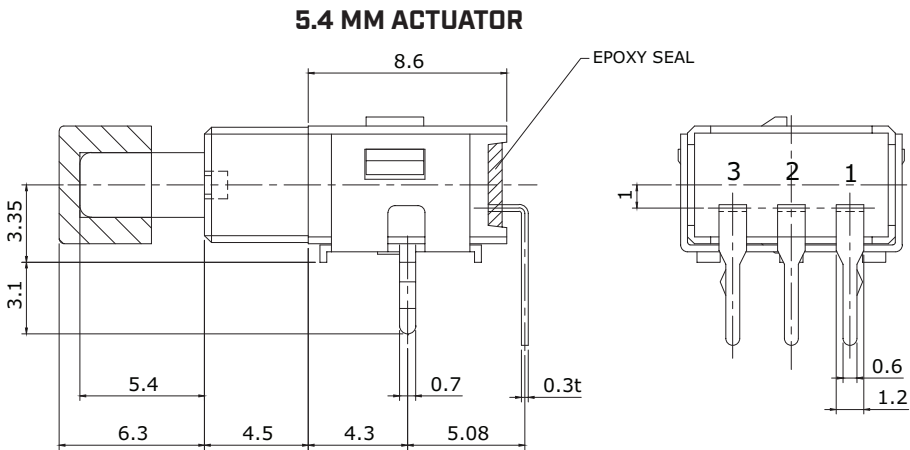
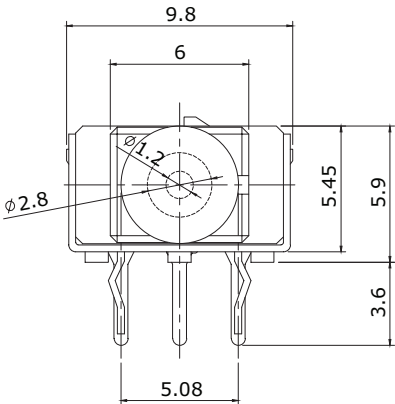
units: mm  
tolerance: ±0.3 mm  
unless otherwise noted



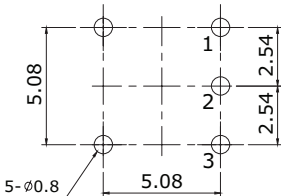
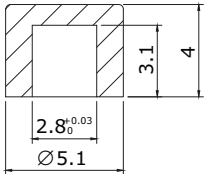
| ITEM | DESCRIPTION | MATERIAL        | PLATING/COLOR                       |
|------|-------------|-----------------|-------------------------------------|
| 1    | actuator    | POM [UL94HB]    | white                               |
| 2    | housing     | PA66 [UL94V-0]  | black                 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



| ACTUATOR POSITION<br>[ ]: MOMENTARY |             |
|-------------------------------------|-------------|
| NORMAL                              | DOWN        |
| ON<br>2-3                           | [ON]<br>2-1 |
| SCHEMATIC                           |             |
| 3                                   | 2(COM)<br>1 |



ACTUATOR CAP



Recommended PCB Layout  
Top View

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 |
| 1.02 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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