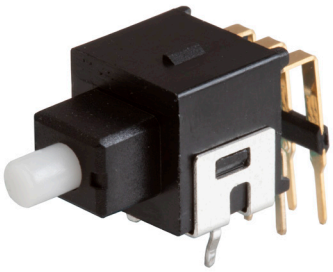
CUI Devices is now Same Sky! Learn More

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SERIES: MPB05 | DESCRIPTION: MINI PUSH BUTTON SWITCH

FEATURES

- double pole
- right angle
- cap options



RoHS

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		250	350	450	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

MPB05 - 2 X XX - R - XXX - XX - D

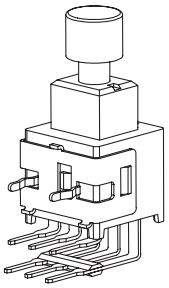
- MPB05 - Base Number
- X - Circuit Type: C = DPDT: ON-(ON)
- XX - Actuator Height: 33 = 3.3 mm; 54 = 5.4 mm
- XXX - XX - *Actuator Cap Color: "blank" = Without Cap; CAP-BK = Black; CAP-R = Red; CAP-WT = White

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

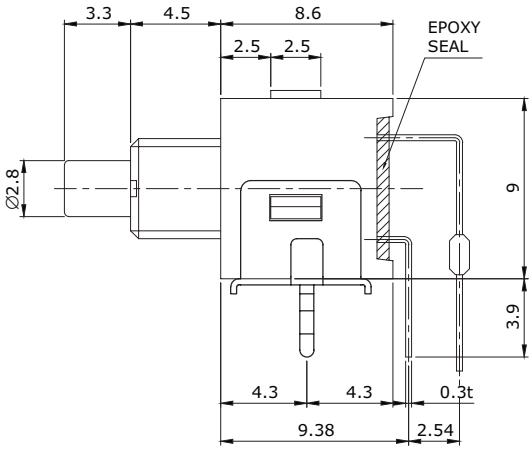
MECHANICAL DRAWING (DPDT CIRCUIT)

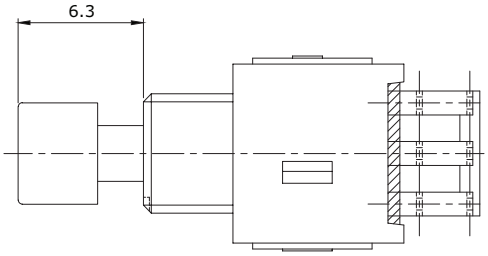
units: mm
tolerance: ±0.3 mm
unless otherwise noted

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) red (R) white (WT)

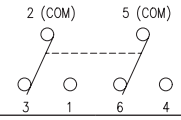


3.3 MM ACTUATOR

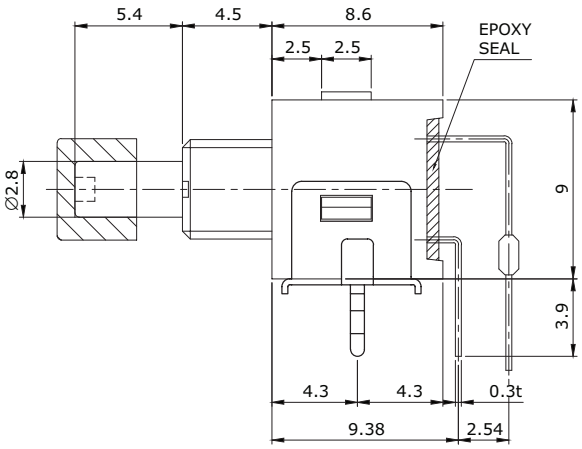


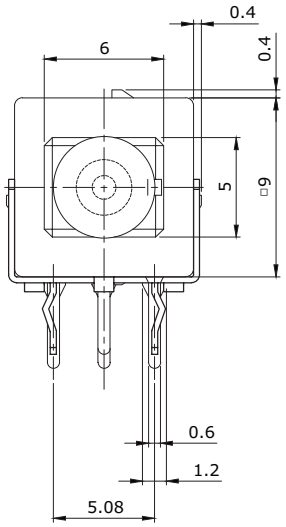


ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
ON 2-3 5-6	[ON] 2-1 5-4
SCHEMATIC	

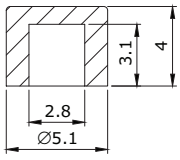


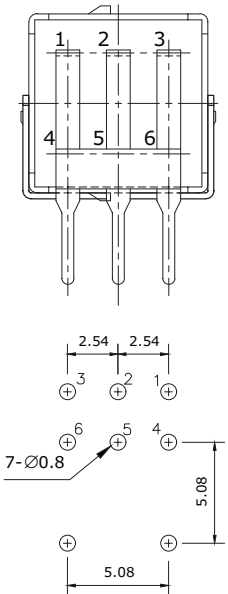
5.4 MM ACTUATOR





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.

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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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