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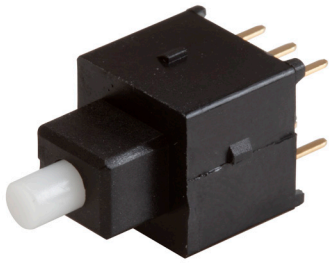
same sky

SERIES: MPB04 | DESCRIPTION: MINI PUSH BUTTON SWITCH

FEATURES

- double pole
- through hole
- 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

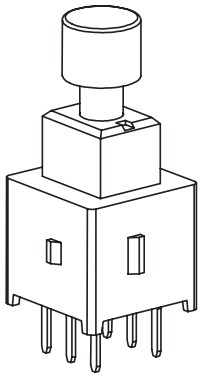
MPB04 - 2 X XX - S - XXX - XX - D

- MPB04 — Base Number
- X — Circuit Type: C = DPDT: ON-(ON)
- XX — Actuator Height: 33 = 3.3 mm; 54 = 5.4 mm
- XX — *Actuator Cap Color: "blank" = Without Cap; CAP-BK = Black; CAP-R = Red; CAP-WT = White

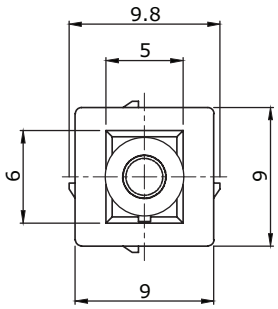
Note: *Actuator cap only on 5.4 mm actuator height versions.

MECHANICAL DRAWING (DPDT CIRCUIT)

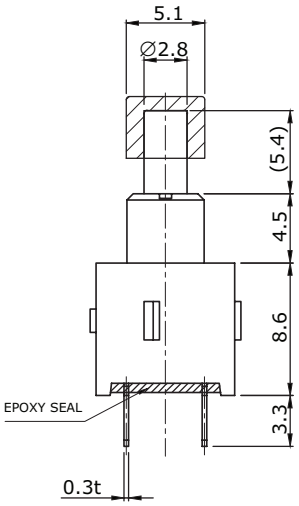
units: mm
tolerance: ±0.3 mm
unless otherwise noted



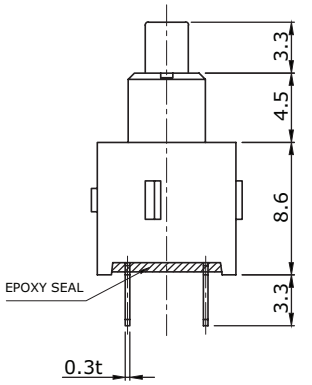
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	actuator	POM (UL94HB)	white
2	housing	PA66 (UL94V-0)	black
3	terminals	brass	gold
4	cap	POM (UL94HB)	black (BK) red (R) white (WT)

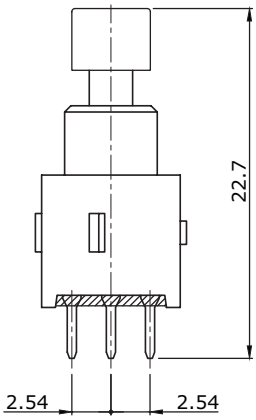


5.4 MM ACTUATOR

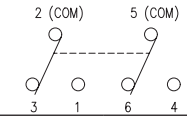


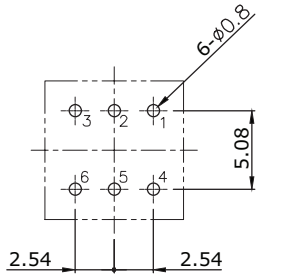
3.3 MM ACTUATOR



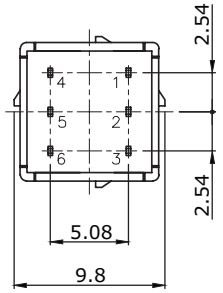


ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
ON 2-3 5-6	[ON] 2-1 5-4
SCHEMATIC	

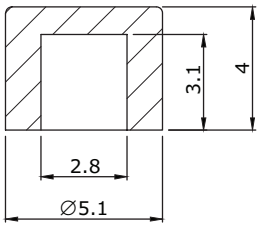




Recommended PCB Layout
Top View



ACTUATOR CAP



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

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