

CFP2

■ Terminal Pins: Straight
■ Actuator Color: Gray

Ultra-Miniature Pushbutton Switches

Washable

RoHS Compliant



Features

1. Ultra-miniature pushbutton switch for high density mounting.
2. Washable.
3. Terminal pin pitch: 2.54 mm.
4. Independent detent mechanism ensures light operational feel.
5. Clip contact mechanism for long-term contact reliability.
6. Gold-plated contacts.

Specifications

Rating	Max.	0.4VA (28VDC max.)
	Min.	1μA 20mVDC
Initial contact resistance	100m Ω max. (1.5mA 200μVAC)	
Dielectric strength	250VAC 1 minute	
Insulation resistance	500MΩ min. (250VDC)	
Electrical life	10,000 operations at max.rating, 30,000 operations at min.rating,	
Mechanical life	30,000 cycles	
Operating force	1.47 ± 0.98N	
Operating temperature range	-40~+85°C	
Storage temperature range	-40~+85°C	

Part Numbering

CFP2

— 2

R

C4

—

A

W

Series Actuator

Number of poles

Switching function

Terminal style

Actuator shape

Packaging spec

Code	Type
P	Pushbutton

Fig.	Number of poles
1	1 pole
2	2 poles

1 pole	2 poles	Switching function
F	R	ON — (ON)

Fig.	Terminal style
C	P/C
C4	Right angle
C6	Vertical mounting

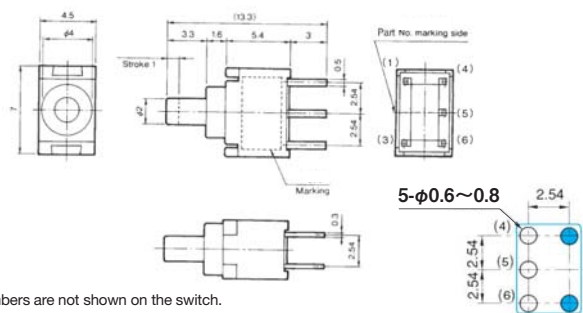
Code	Actuator shape
A	Standard

Code	Packaging spec
W	Tray



Terminal style of C (Style : PC Terminal)	Terminal style of C4 (Style : R/A Terminal)	Terminal style of C6 (Style : V/M Terminal)

(ON) : Momentary.

PC

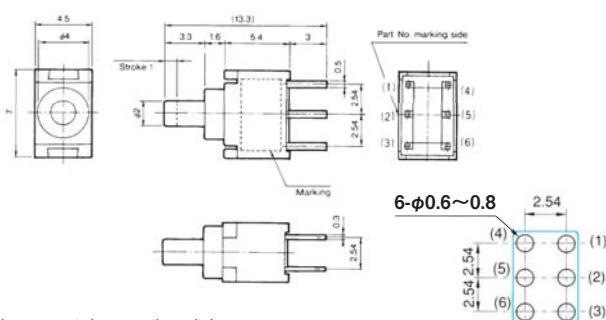


Terminal numbers are not shown on the switch.



Switching function		
Part No.		
CFP2-1FC-AW	ON	(ON)
Connecting terminals	5—6	5—4

PC Hole Layouts (Top view)

PC

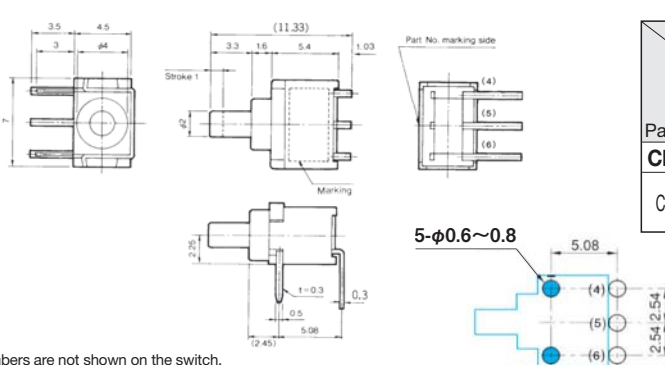


Terminal numbers are not shown on the switch.



Switching function		
Part No.		
☆ CFP2-2RC-AW	ON	(ON)
Connecting terminals	2-3 5-6	2-1 5-4

PC Hole Layouts (Top view)

R/A

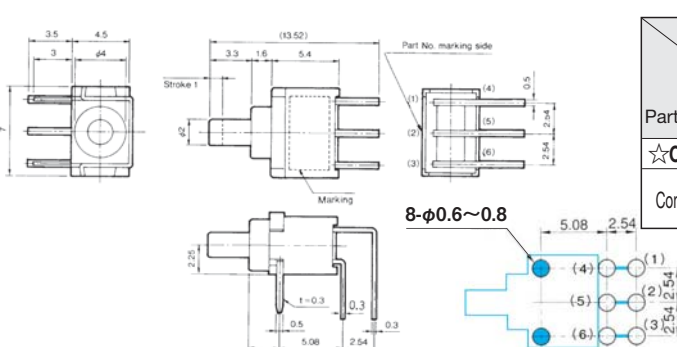


Terminal numbers are not shown on the switch.



Switching function		
Part No.		
CFP2-1FC4-AW	ON	(ON)
Connecting terminals	5—6	5—4

PC Hole Layouts (Top view)

R/A




Terminal numbers are not shown on the switch.

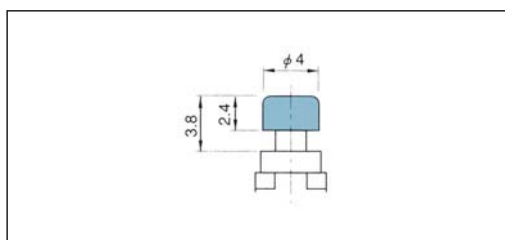
Switching function Part No.		
☆CFP2-2RC4-AW	ON	(ON)
Connecting terminals	2-3 5-6	2-1 5-4

PC Hole Layouts (Top view)

■ Optional Accessories

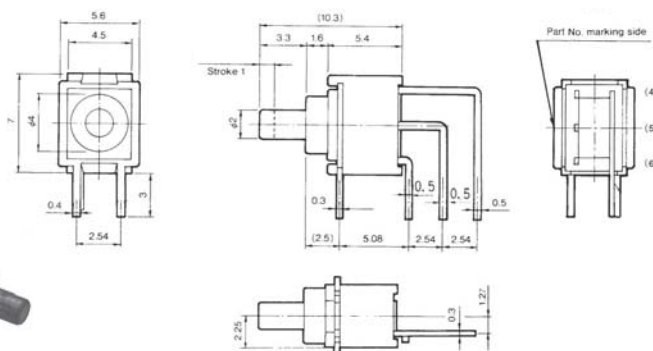
Part Name	Dimension	Color	Part Number
Color Cap	Gloss finish  ABS resin	White	140000481453
		Red	140000481452
		Black	140000481451
		Gray	140000481450

■ Color Cap Mounting



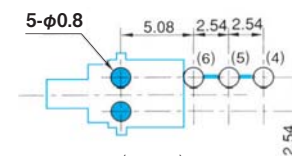
☐ The blue line shows the outline of the switch.

☆ : Semi-standard products.

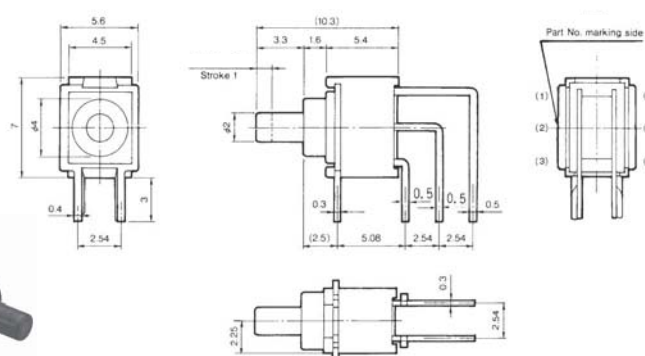
CFP2**SPDT****V/M**

Terminal numbers are not shown on the switch.

Switching function		
Part No.		
CFP2-1FC6-AW	ON	(ON)
Connecting terminals	5—6	5—4

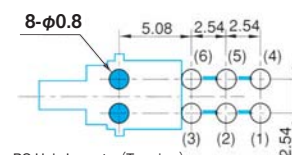


PC Hole Layouts (Top view)

DPDT**V/M**

Terminal numbers are not shown on the switch.

Switching function		
Part No.		
☆ CFP2-2RC6-AW	ON	(ON)
Connecting terminals	2—3 5—6	2—1 5—4



PC Hole Layouts (Top view)

※ The above pcb hole dimengion, it is a top view drawing when we fix the switch.

Handling Specifications (CFP2)**1. Soldering Specifications**

(1)Manual Soldering

Device : Soldering iron
350°C, Max.; 3 seconds, Max.

(2)Auto Soldering

Device : Jet wave type or dip type
260°C, Max.; 3-5 seconds, Max. (One time)

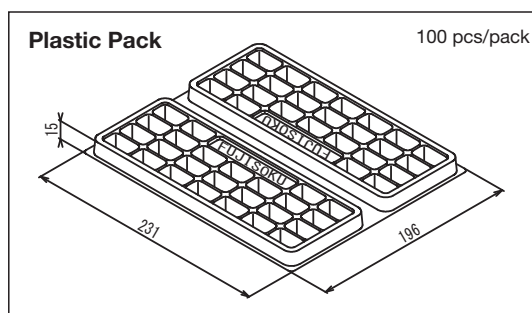
Total dip time: Within 10 seconds

- Pre-heating should be done at temperatures from 80°C to 120°C and within 120 seconds

(3)When soldering two or more terminals to a common land, use solder resist to separate them

2. Flux Cleaning

- (1)Solvents : Fluorine or Alcohol type
- (2)Cleaning after soldering should be done after the PC board is exposed to room temperature (30°C or below) for 1 to 2 hours.
- (3)Do not use ultrasonic cleaning.

Packaging Specifications

The blue line shows the outline of the switch.

(ON) : Momentary.

☆ : Semi-standard products.