



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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

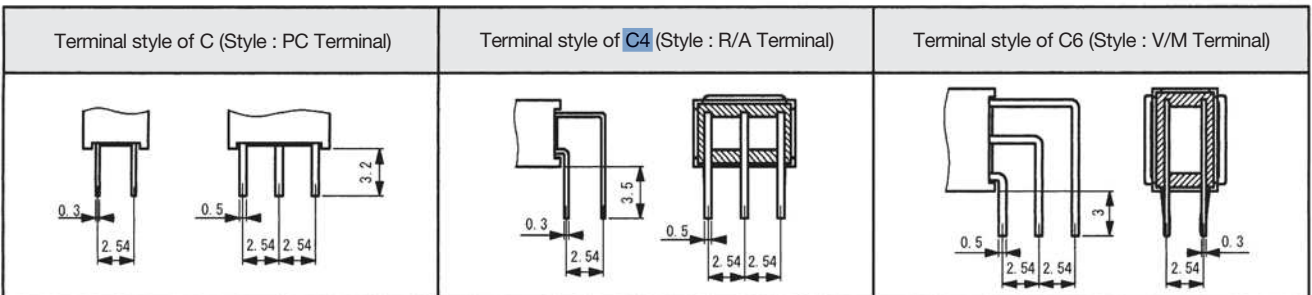
Fig.	Number of poles
1	1 pole
2	2 poles

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

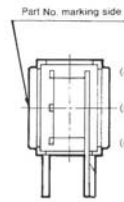
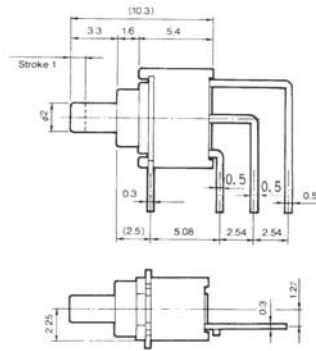
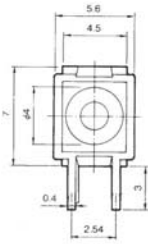
Code	Packaging spec
W	Tray



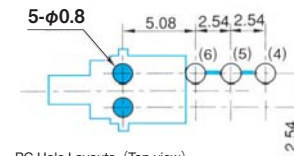


# CFP2

## SPDT V/M



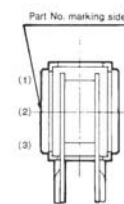
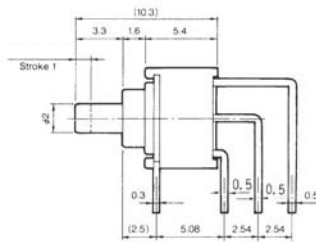
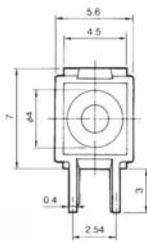
Switching function		
Part No.	<b>CFP2-1FC6-AW</b>	(ON)
Connecting terminals	5-6	5-4



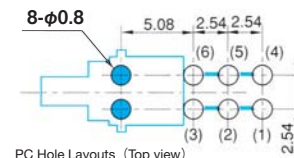
Terminal numbers are not shown on the switch.

PC Hole Layouts (Top view)

## DPDT V/M



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



Terminal numbers are not shown on the switch.

PC Hole Layouts (Top view)

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

## ■ Handling Specifications (CFP2)

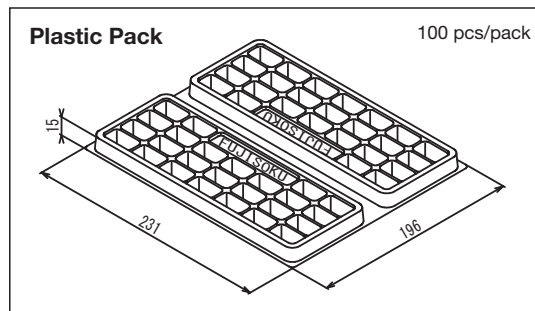
### 1. Soldering Specifications

- (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.