



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# CF-LD

## Hyper-Miniature Lever Switches

RoHS Compliant



### Features

1. Light operating feeling.
2. Auto soldering on PC board is possible (non-washable).
3. Three mounting types of PC/Right Angle/Vertical are available.
4. The gold-plated clip contact mechanism ensures high contact reliability.
5. Lever design, considering the operability. Three lever colors of white, red, and gray are lined up.

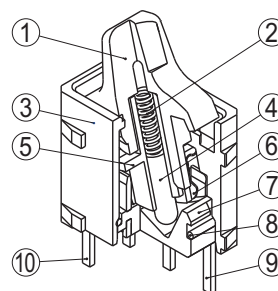
### Switching Function

Switching function		
A POS.	B POS.	
ON	ON	
(5) - (6)	(5) - (4)	

### Specifications

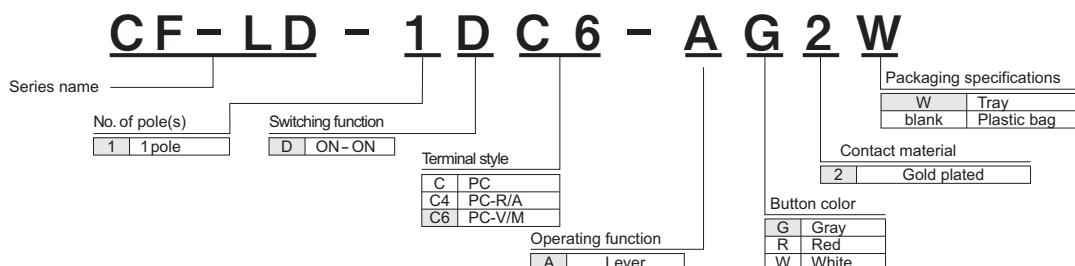
Rating	Max.	0.4VA (AC/DC28V 0.1A) (Resistive load)
	Min.	AC/DC20mV 0.1mA (Resistive load)
Dielectric strength	500VAC 1minute	
Initial contact resistance	80mΩ Max. (1.5mA 200μVAC)	
Initial insulation resistance	500MΩ Min. (500VDC)	
Electrical life	10,000 cycles at max. rating	
	50,000 cycles at VA0.4 rating & min.	
Mechanical life	50,000 cycles	
Operating temperature range	-40~+85°C	
Storage temperature range	-40~+85°C	

### Internal Structure



Part name	Material	Flammability
① Lever	PA(Polyamide)	UL94V-0
② C Spring	Piano wire	-
③ Cover	PA(Polyamide)	UL94V-0
④ Actuator tip	Copper alloy, Nickel-plated	-
⑤	PA(Polyamide)	UL94V-0
⑥ Movable contact	Copper alloy, Gold-plated	-
⑦ Base	PA(Polyamide)	UL94V-0
⑧ O Ring	Nitrile rubber	-
⑨ Terminal(Circuit)	Copper alloy, Gold-plated	-
⑩ Terminal(Dummy) ※PC only	Copper alloy, Tin-plated	-

### Part Numbering



# CF-LD

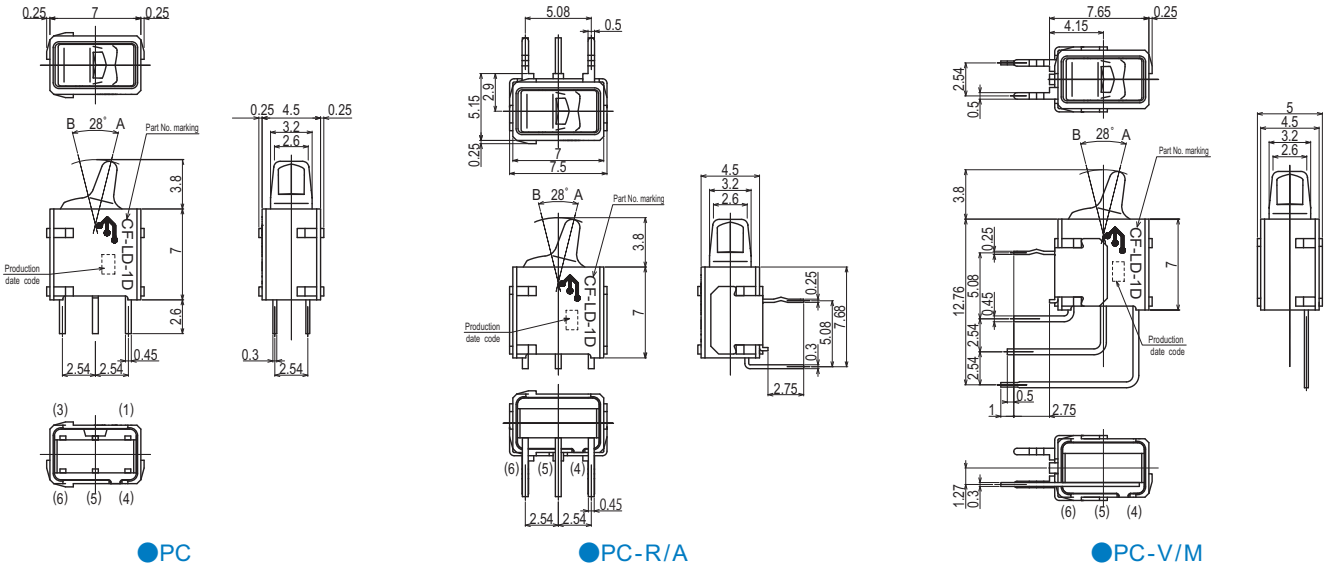
## List of Part Numbers

★Made to order products

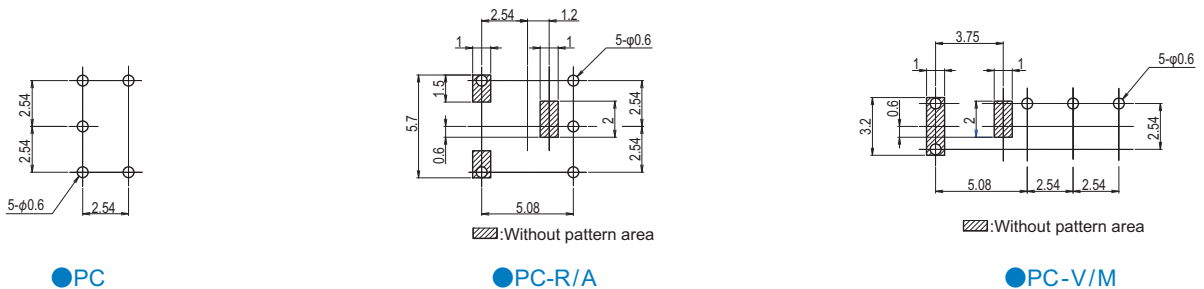
No. of pole(s)	Switching function	Packaging specifications	Button color	Terminal styles			Pieces in package
				PC	PC-R/A	PC-V/M	
1	D	Tray	Gray	★CF-LD-1DC-AG2W	★CF-LD-1DC4-AG2W	CF-LD-1DC6-AG2W	200pcs./tray
			Red	★CF-LD-1DC-AR2W	★CF-LD-1DC4-AR2W	★CF-LD-1DC6-AR2W	200pcs./tray
			White	★CF-LD-1DC-AW2W	★CF-LD-1DC4-AW2W	★CF-LD-1DC6-AW2W	200pcs./tray
		Plastic bags	Gray	★CF-LD-1DC-AG2	★CF-LD-1DC4-AG2	CF-LD-1DC6-AG2	25pcs./pack
			Red	★CF-LD-1DC-AR2	★CF-LD-1DC4-AR2	★CF-LD-1DC6-AR2	25pcs./pack
			White	★CF-LD-1DC-AW2	★CF-LD-1DC4-AW2	★CF-LD-1DC6-AW2	25pcs./pack

## Outline Dimensions

Tolerances unless otherwise specified: ±0.3 (Unit:mm)

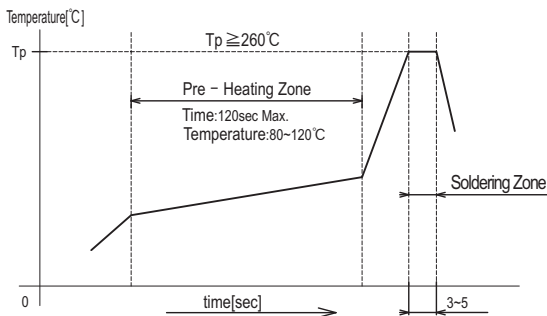


## PC Hole Layouts

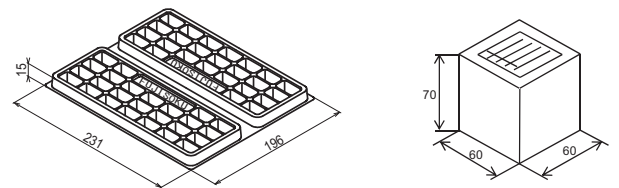


## Soldering Specifications

### (1) Auto Soldering



## Packaging Specification



●Tray: 100pcs

●Plastic bag: 25pcs

### (2) Manual Soldering

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