# **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.
- Lever design, considering the operability. Three lever colors of white, red, and gray are lined up.

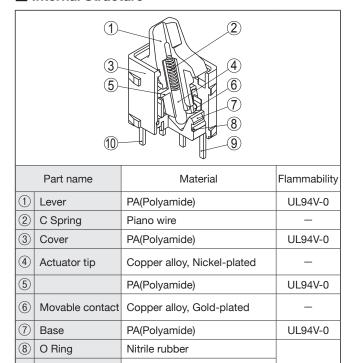
#### ■ Switching Function

| Switching | g function |          |
|-----------|------------|----------|
| A POS.    | B POS.     | (5) —(4) |
| ON        | ON         | (6)      |
| (5)-(6)   | (5) – (4)  | (6)      |

#### ■ Specifications

| Rating                        | Max. | 0.4VA (28VAC/DC 0.1A)                | (Resistive load) |  |  |
|-------------------------------|------|--------------------------------------|------------------|--|--|
|                               | Min. | 20mVAC/DC 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. |                  |  |  |
| Mechancal life                |      | 50,000 cycles                        |                  |  |  |
| Operating temperature range   |      | -40~+85°C                            |                  |  |  |
| Storage temperature range     |      | -40~+85°C                            |                  |  |  |

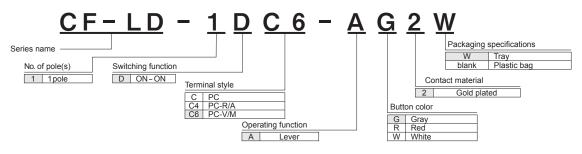
#### ■ Internal Structure



Copper alloy, Gold-plated

Copper alloy, Tin-plated

## ■Part Numbering



(9)

(10)

Terminal(Circuit)

Terminal(Dummy)

**※**PC only

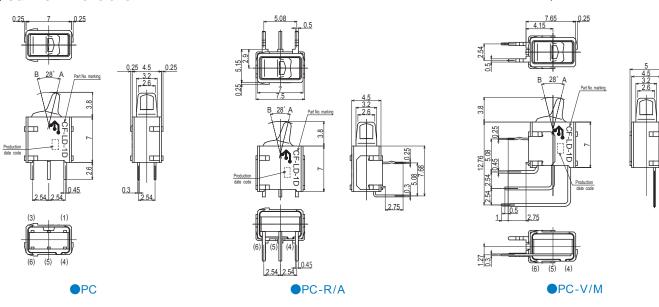
#### **■** List of Part Numbers

★Made to order products

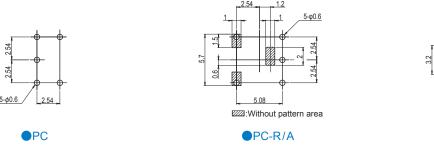
| No.of pole(s) | Switching function | Packaging specifications | Button color | Terminal styles |                  |                  | Pieces in    |
|---------------|--------------------|--------------------------|--------------|-----------------|------------------|------------------|--------------|
|               |                    |                          |              | PC              | PC-R/A           | PC-V/M           | package      |
| 1 [           |                    | 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 |
|               | D                  |                          | White        | ★CF-LD-1DC-AW2W | ★CF-LD-1DC4-AW2W | ★CF-LD-1DC6-AW2W | 200pcs./tray |
|               | U                  | 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  |

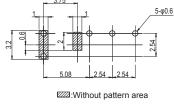
#### Outline Dimensions

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



### **■ PC Hole Layouts**





●PC-V/M

## **■** Soldering Specifications

#### (1) Auto Soldering

## 

(2)Manual Soldering Device: Soldering iron 350°C, Max.; 3 seconds, Max.

## ■ Packaging Specification

