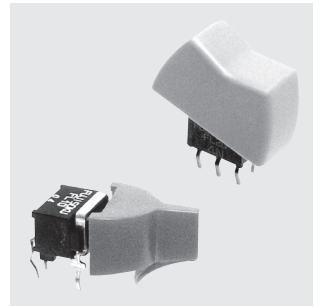


FL

Washable

RoHS Compliant

Hyper-miniature Lever & Rocker Switches



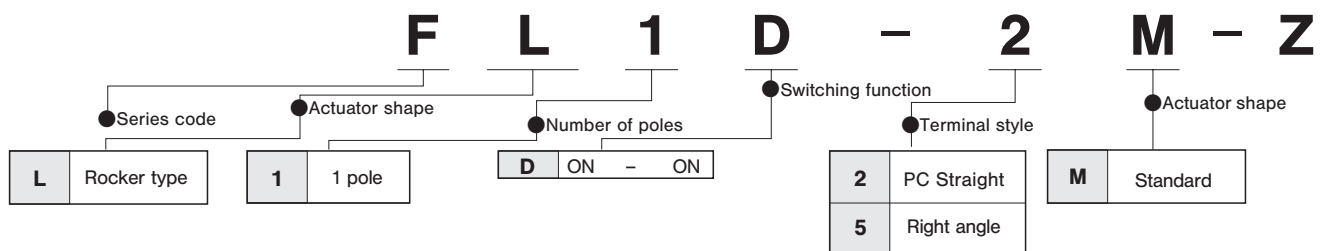
Features

1. Hyper-miniature type. The volumetric ratio is half the conventional Series A.
2. Immersion cleaning is possible after soldering.
3. The terminal pitch is of the 0.1-inch size.
4. The independent detent mechanism ensures light operating feeling.
5. For the contact reliability, long-term stability is assured by the clip contacts.
6. Since the contacts are gold-plated, the switches are best suited for use in the dry circuit areas.
7. The full-molded type prevents malfunction caused by static electricity.

Specifications

Rating	Max : 0.4 VA (28 VDC max.) Min : 1 μ A 20 mVDC
Initial contact resistance	100 m Ω max. (1.5 mA 200 μ VAC)
Dielectric strength	250 VAC 1 minute
Insulation resistance	500 M Ω min. (250 VDC)
Electrical life	10,000 cycles at max. rating 50,000 cycles at min. rating
Operating temperature range	-40°C ~ +85°C
Storage temperature range	-40°C ~ +85°C

Part Numbering

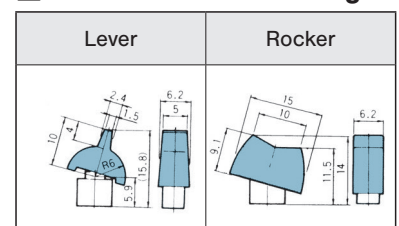


Standard Accessories

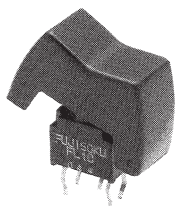
《Supplied separately》

Part name	Lever(PC Straight R/A)	Rocker(PC Straight R/A)	Rocker(PC Straight)
Dimensions	 ABS resin	 ABS resin	 ABS resin
White	140000050858	140000481410	140000481594
Black	140000050860	140000481412	—
Gray	140000050861	—	140000481597

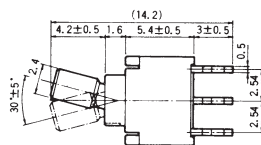
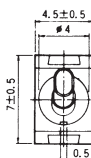
Lever • Rocker Mounting



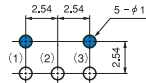
- The lever and the rocker are standard accessories. Specify either of the lever or the rocker by part number.







SPDT

(Mount with Rocker)



Part number marking side

(Top view)
PC Hole Layouts

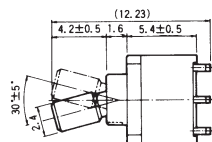
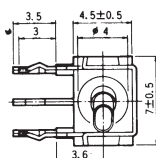
Switching function Part No.	Viewed from part No. marking side		
	 	 	 
FL1D-2M-Z	ON	—	ON
Connecting terminals	2-1	—	2-3

PC Straight

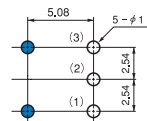
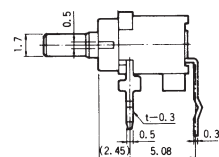
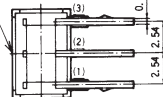
Terminal numbers are not shown on the bottom of the switch.

SPDT




(Mount with Rocker)



Part number marking side



(Top view) PC Hole Layouts

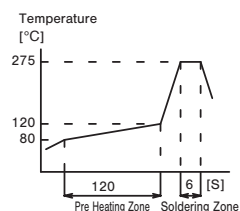
<div>Switching function</div> <div>Part No.</div>	Viewed from part No. marking side		
			
★FL1D-5M-Z	ON	—	ON
Connecting terminals	2-3	—	2-1

R/A

Terminal numbers are not shown on the bottom of the switch.

Soldering Specifications

- (1)Manual Soldering
Device: Soldering iron
380°C, Max.; 3 seconds, Max.
- (2)Auto Soldering
Device: Jet wave type or dip type
275°C; 6 seconds, Max.



Note: Mount the accessories of lever rocker after the soldering.

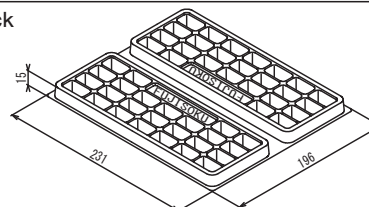
Flux Cleaning

- (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

Plastic Pack

100 pcs./pack



Mouser Electronics

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