HYPER-MINIATURE LEVER & ROCKER SWITCHES **FL**

RoHS compliant

■ FEATURES

- It is of ultra-compact type. The volumetric ratio is half that of the conventional series A.
- Immersion cleaning is possible after soldering.
- Terminal mounting is at 0.1-inch pitches.
- Independent detent mechanism provides light feel operability.
- Regarding the contact reliability, a long-term stability is assured by the clip contact.
- Gold-plated contacts make these switches ideal for use with extremely small current.
- All plastic construction prevents a malfunction due to static electricity.

■ SPECIFICATIONS

Rating	Max : 0.4VA（28VDC max.）Min：1μA 20mVDC
Initial contact resistance	100mΩmax.　（1.5mA 200 μVAC）
Dielectric strength	250VAC 1 minute
Insulation resistance	500MΩmin　（250VDC）
Electrical life	10,000 cycles at max. rating 50,000 cycles at min. rating （D type）
Operating temperature range	−40～+85℃
Storage temperature range	−40～+85℃

■ TABLE OF PART NUMBES

Number of poles	Terminal style	Switching function	Part No.
1 pole	PC terminal	ON - ON	FL1D-2M-Z
2 poles	PC terminal	ON - ON	FL2D-2M-Z

■ PART NUMBERING

F L 2 D ― 2 M ― Z

Series code	Structure	Number of poles	Switching function	Terminal style	Acyuator shape
L Lever and Rocker type	1 1 pole 2 2 poles		D ON ― ON	2 PC	M Standard

■ STANDARD ACCESSORIES

Part name	Lever	Rocker	Rocker
Dimensions	Gloss finish （ABS resin）	Gloss finish （ABS resin）	Gloss finish （ABS resin）
White	**140000050858**	**140000481410**	**140000481594**
Red	**140000050859**	**140000481411**	**140000481595**
Black	**140000050860**	**140000481412**	**140000481596**
Gray	**140000050861**	**140000481413**	**140000481597**

■ LEVER · ROCKER MOUNTING

Lever	Rocker

- Lever/Rocker is a standard accessory. Please choose one of them by specifying the part number.

※**Please contact us if you can't find your preferable combination in the table of part numbers.**

■ Specifications are subject to change without notice. Specifications in this catalog are for reference. The formal specification sheets will be submitted upon request.
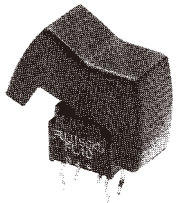
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FL
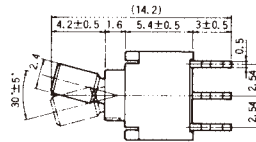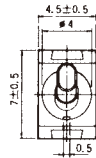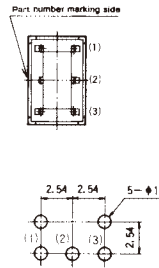## HYPER-MINIATURE LEVER & ROCKER SWITCHES

■ OUTLINE DIMENSIONS

SPDT

Mount with **Rocker**

PC

Terminal number not shown on box.

PC Hole Layouts

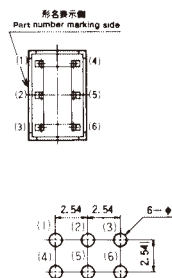| Switching function / Part No.	Viewed from part No. marking side		
FL1D−2M−Z	ON	—	ON
Connecting terminals	2−1	—	2−3

DPDT

Mount with **Lever**

PC
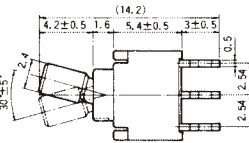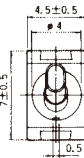
Terminal number not shown on box.

PC Hole Layouts

Switching function / Part No.	Viewed from part No. marking side		
FL2D−2M−Z	ON	—	ON
Connecting terminals	2−1 5−4	—	2−3 5−6

■ SOLDERING

(1) Hand soldering
   Device : Solder iron
   380℃ Max. 3 sec. Max.
(2) Auto soldering
   Device : Wave or dip type
   275℃ Max. 6 sec. Max.
   Preheat should be within 80-120℃ and less than 120 sec.
(3) When soldering two or more terminals to the common land, use solder resist to solder them independently.

■ FLUX CLEANING

(1) Solvents : Fluorine or Alcohol type
(2) Cleaning shall be made when terminal temperature falls to 90℃ or lower. Or, leave the switch at normal temperature for 5 minutes or longer, before cleaning.
(3) Do not apply ultrasonic cleaning.

■ PACKAGING SPECIFICATION

Plastick Pack   100 pcs/pack

Sept,
2007