Chipsmall

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

FT

Terminal Pins : Kinked
Actuator Color : Yellow

Ultra-Miniature Toggle Switch

Washable

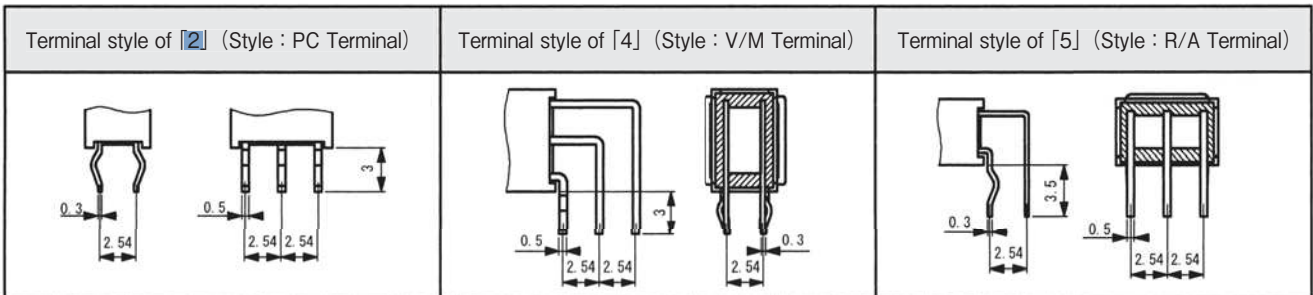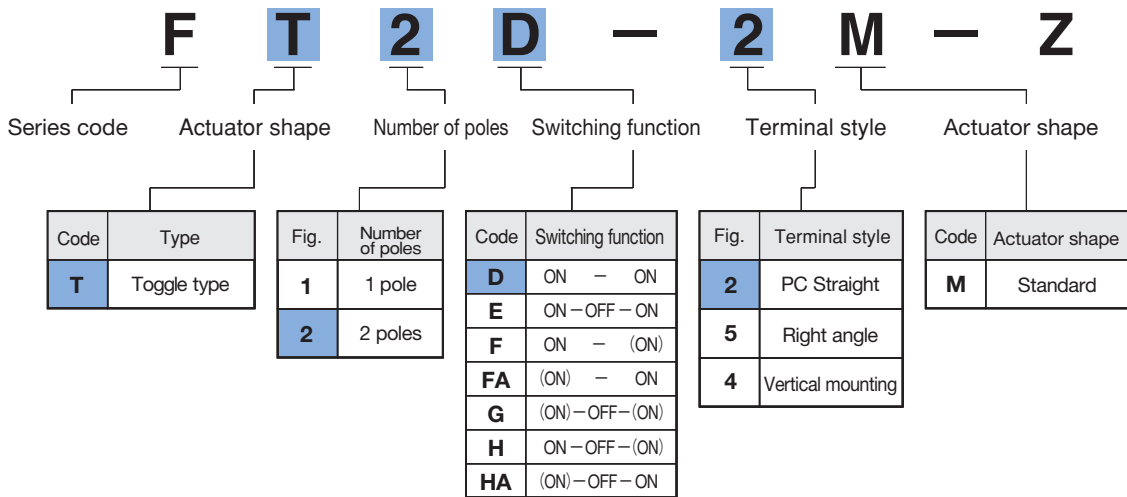FUJISOKU SWITCHES
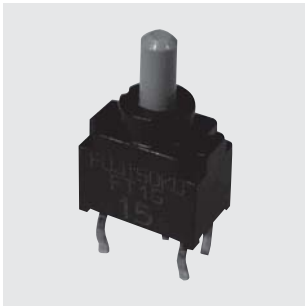
RoHS Compliant

■Features

1. Ultra-miniature toggle 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.	28VDC 0.4VA max.
	Min.	1μ A 20mVDC
Initial contact resistance		100mΩ max. （1.5mA 200μ VAC）
Dielectric strength		250VAC 1 minute
Insulation resistance		500MΩ min. （250VDC）
Electrical life		10,000 cycles at max. rating 50,000 cycles at min. rating（**D,E** type） 30,000 cycles at min. rating（**F,G,H** type）
Operating temperature range		−40℃～+85℃
Storage temperature range		−40℃～+85℃

■ Part Numbering

F T 2 D － 2 M － Z

| Series code | Actuator shape | Number of poles | Switching function | Terminal style | Actuator shape |

Code	Type
T	Toggle type

Fig.	Number of poles
1	1 pole
2	2 poles

Code	Switching function
D	ON － ON
E	ON－OFF－ON
F	ON － (ON)
FA	(ON) － ON
G	(ON)－OFF－(ON)
H	ON－OFF－(ON)
HA	(ON)－OFF－ON

Fig.	Terminal style
2	PC Straight
5	Right angle
4	Vertical mounting

Code	Actuator shape
M	Standard

Terminal style of 「2」 (Style：PC Terminal)	Terminal style of 「4」 (Style：V/M Terminal)	Terminal style of 「5」 (Style：R/A Terminal)
0.3　2.54　　0.5　2.54 2.54　3	0.5　2.54 2.54　3　　0.3　2.54	0.3　2.54　3.5　　0.5　2.54 2.54

（ON）：Momentary.

SPDT
PC Straight

Terminal numbers are not shown on the switch.

PC hole Layouts (Topview)

Switching function / Part No.	Key	Key	Key
FT1D-2M-Z	ON	—	ON
☆FT1E-2M-Z	ON	OFF	ON
☆FT1F-2M-Z	ON	—	(ON)
★FT1G-2M-Z	(ON)	OFF	(ON)
▲FT1H-2M-Z	ON	OFF	(ON)
Connecting terminals	2−3	—	2−1

DPDT
PC Straight

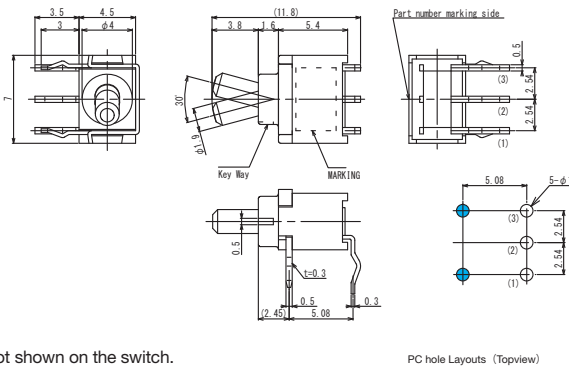Terminal numbers are not shown on the switch.

PC hole Layouts (Topview)
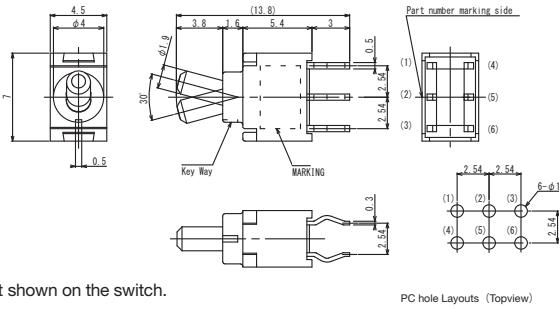
Switching function / Part No.	Key	Key	Key
FT2D-2M-Z	ON	—	ON
☆FT2E-2M-Z	ON	OFF	ON
★FT2F-2M-Z	ON	—	(ON)
★FT2G-2M-Z	(ON)	OFF	(ON)
★FT2H-2M-Z	ON	OFF	(ON)
Connecting terminals	2−3 5−6	—	2−1 5−4

SPDT
Right Angle Terminal

Terminal numbers are not shown on the switch.
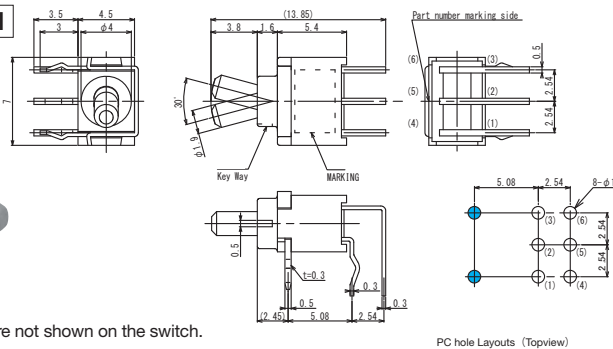
PC hole Layouts (Topview)

Switching function / Part No.	Key	Key	Key
FT1D-5M-Z	ON	—	ON
FT1E-5M-Z	ON	OFF	ON
☆FT1F-5M-Z	(ON)	—	ON
★FT1FA-5M-Z	ON	—	(ON)
☆FT1G-5M-Z	(ON)	OFF	(ON)
★FT1H-5M-Z	(ON)	OFF	ON
▲FT1HA-5M-Z	ON	OFF	(ON)
Connecting terminals	2−1	—	2−3

DPDT
Right Angle Terminal
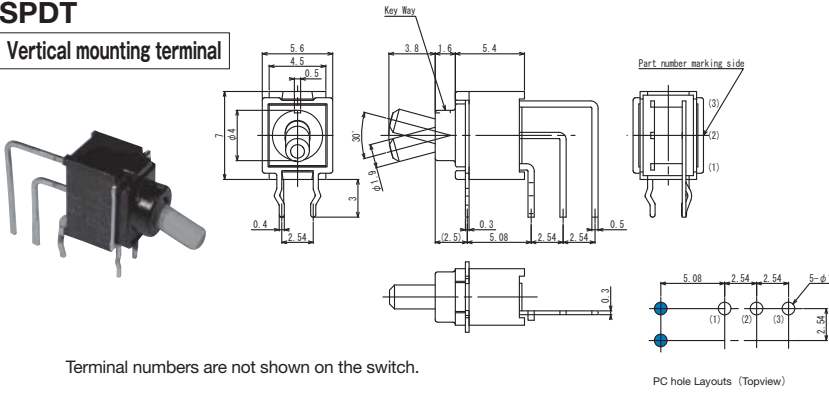

Terminal numbers are not shown on the switch.

PC hole Layouts (Topview)

Switching function / Part No.	Key	Key	Key
☆FT2D-5M-Z	ON	—	ON
★FT2E-5M-Z	ON	OFF	ON
★FT2F-5M-Z	(ON)	—	ON
▲FT2FA-5M-Z	ON	—	(ON)
▲FT2G-5M-Z	(ON)	OFF	(ON)
▲FT2H-5M-Z	(ON)	OFF	ON
▲FT2HA-5M-Z	ON	OFF	(ON)
Connecting terminals	2−1 5−4	—	2−3 5−6

（ON）：Momentary.　　☆：Semi-standard products.　★：Made to order products.

FT

SPDT

Vertical mounting terminal

Terminal numbers are not shown on the switch.

PC hole Layouts（Topview）

Part No.	Switching function		
	Key	Key	Key
☆FT1D-4M-Z	ON	—	ON
★FT1E-4M-Z	ON	OFF	ON
★FT1F-4M-Z	ON	—	(ON)
▲FT1FA-4M-Z	(ON)	—	ON
▲FT1G-4M-Z	(ON)	OFF	(ON)
▲FT1H-4M-Z	ON	OFF	(ON)
▲FT1HA-4M-Z	(ON)	OFF	ON
Connecting terminals	2－3	—	2－1

DPDT

Vertical mounting terminal
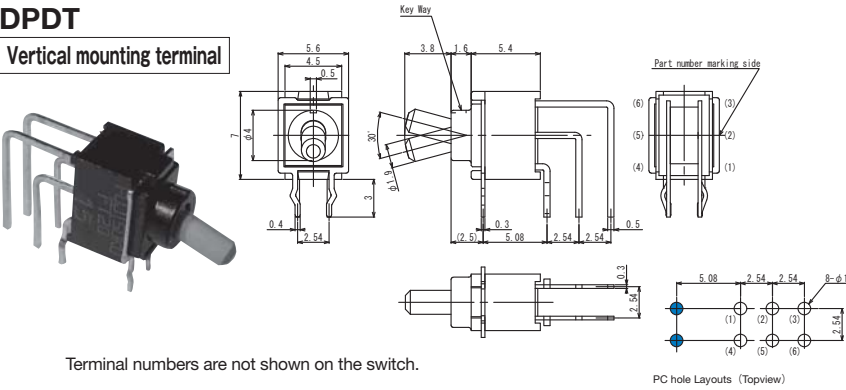
Terminal numbers are not shown on the switch.

PC hole Layouts（Topview）

| Part No.	Switching function		
	Key	Key	Key
FT2D-4M-Z	ON	—	ON
★FT2E-4M-Z	ON	OFF	ON
★FT2F-4M-Z	ON	—	(ON)
▲FT2FA-4M-Z	(ON)	—	ON
▲FT2G-4M-Z	(ON)	OFF	(ON)
▲FT2H-4M-Z	ON	OFF	(ON)
▲FT2HA-4M-Z	(ON)	OFF	ON
Connecting terminals	2－3 5－6	—	2－1 5－4

■Soldering Specifications

（1）Manual Soldering
Device：Soldering iron
380℃, Max.; 3 seconds, Max.
（2）Auto Soldering
Device：Jet wave type or dip type
275℃, Max.; 6 seconds, Max.
・Pre-heating should be done at temperatures from 80 to 120℃ and within 120 sec.
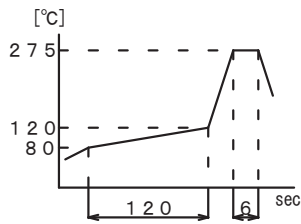
（3）When soldering two or more terminals to a common land, use solder resist to separate them.

■Flux Cleaning

（1）Solvent : Fluorine or Alcohol type.
（2）Cleaning after soldering should be done after the PC board is exposed to room temperature (30℃ or below) for 1 to 2 hours.
（3）Do not use ultrasonic cleaning.

■Packaging Specifications

Plastick Pack

100 pcs/pack

▲：Inquiry products.　　★：Made to order products.　　☆：Semi-standard products.　　（ON）：Momentary.