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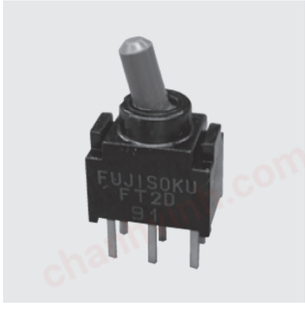
CFT2

■ Terminal Pins : Straight
■ Actuator Color : Gray

Washable

Ultra-Miniature Toggle Switch

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.	1μA 20mVDC
Initial contact resistance		100mΩ max. (1.5mA 200μVAC)
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.N.P** type) 30,000 cycles at min. rating. (**F.G.H.R.S.T** type)
Mechanical life		**D.E.N.P** type 50,000 cycles **F.G.H.R.S.T** type 30,000 cycles
Operating temperature range		−40℃～+85℃
Storage temperature range		−40℃～+85℃

■Part Numbering

CFT2 — 2 N C4 — A W

Series Actuator | Number of poles | Switching function | Terminal style | Actuator shape | Packaging spec

Code	Type
T	Toggle

Fig.	Number of poles
1	1 pole
2	2 poles

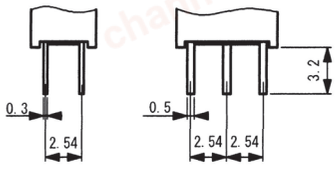
1 pole	2 poles	Switching function
D	**N**	ON — ON
E	**P**	ON−OFF−ON
F	**R**	ON — (ON)
G	**S**	(ON)−OFF−(ON)
H	**T**	ON−OFF−(ON)

Fig.	Terminal style
C	PC Straight
C4	Right angle
C6	Vertical mounting

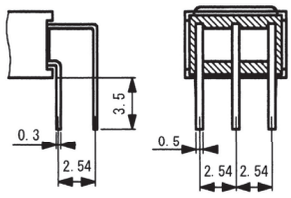
Code	Actuator shape
A	Standard

Code	Packaging spec
W	Tray

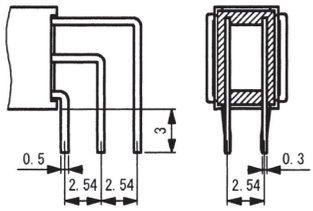
Terminal style of c (Style : PC Terminal)



Terminal style of c4 (Style : R/A Terminal)



Terminal style of c6 (Style : V/M Terminal)

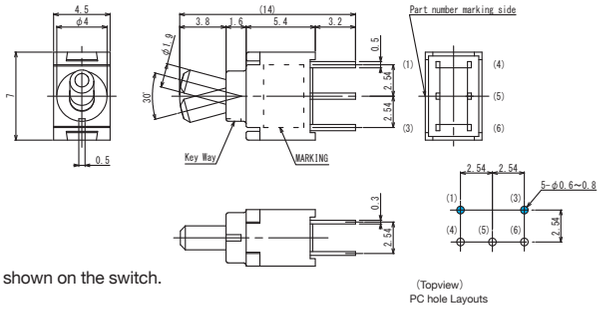


(ON) : Momentary.

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SPDT
PC Straight





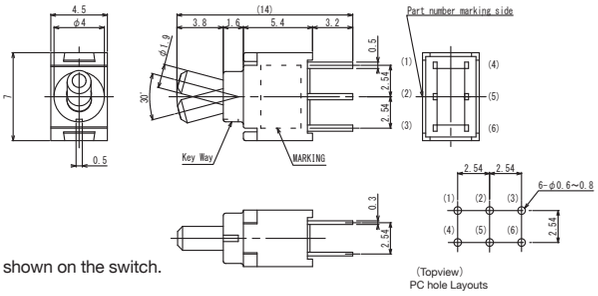
Terminal numbers are not shown on the switch.

(Topview)
PC hole Layouts

Part No. \ Switching function	Key	Key	Key
CFT2-1DC-AW	ON	—	ON
CFT2-1EC-AW	ON	OFF	ON
☆CFT2-1FC-AW	ON	—	(ON)
☆CFT2-1GC-AW	(ON)	OFF	(ON)
☆CFT2-1HC-AW	ON	OFF	(ON)
Connecting terminals	5—6	—	5—4

DPDT
PC Straight



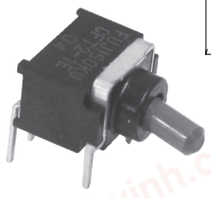


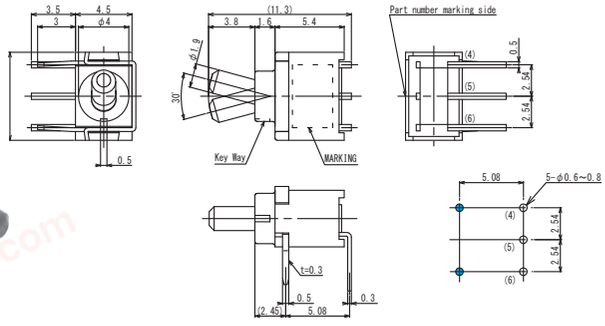
Terminal numbers are not shown on the switch.

(Topview)
PC hole Layouts

Part No. \ Switching function	Key	Key	Key
☆CFT2-2NC-AW	ON	—	ON
☆CFT2-2PC-AW	ON	OFF	ON
☆CFT2-2RC-AW	ON	—	(ON)
☆CFT2-2SC-AW	(ON)	OFF	(ON)
☆CFT2-2TC-AW	ON	OFF	(ON)
Connecting terminals	2—3 5—6	—	2—1 5—4

SPDT
Right Angle Terminal



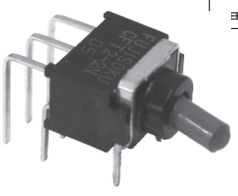


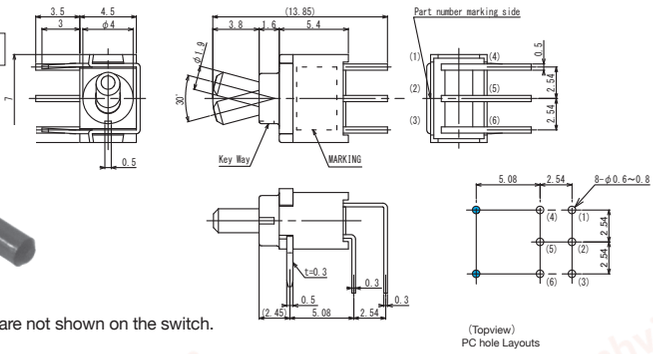
Terminal numbers are not shown on the switch.

(Topview)
PC hole Layouts

Part No. \ Switching function	Key	Key	Key
CFT2-1DC4-AW	ON	—	ON
CFT2-1EC4-AW	ON	OFF	ON
☆CFT2-1FC4-AW	ON	—	(ON)
☆CFT2-1GC4-AW	(ON)	OFF	(ON)
☆CFT2-1HC4-AW	ON	OFF	(ON)
Connecting terminals	5—6	—	5—4

DPDT
Right Angle Terminal





Terminal numbers are not shown on the switch.

(Topview)
PC hole Layouts

Part No. \ Switching function	Key	Key	Key
☆CFT2-2NC4-AW	ON	—	ON
☆CFT2-2PC4-AW	ON	OFF	ON
☆CFT2-2RC4-AW	ON	—	(ON)
☆CFT2-2SC4-AW	(ON)	OFF	(ON)
☆CFT2-2TC4-AW	ON	OFF	(ON)
Connecting terminals	2—3 5—6	—	2—1 5—4

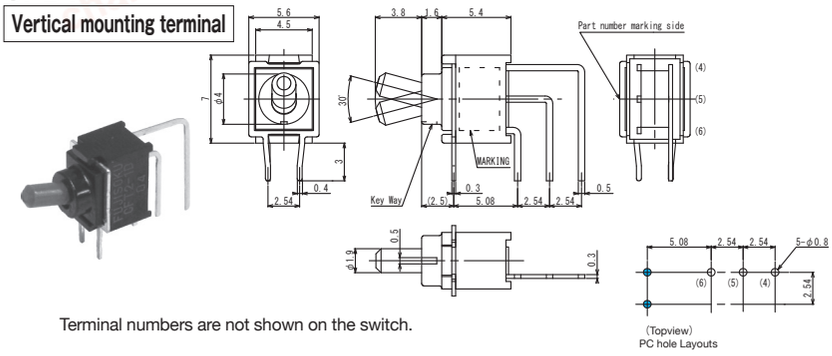
☆ : Semi-standard products. (ON) : Momentary.

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CFT2

SPDT

Vertical mounting terminal

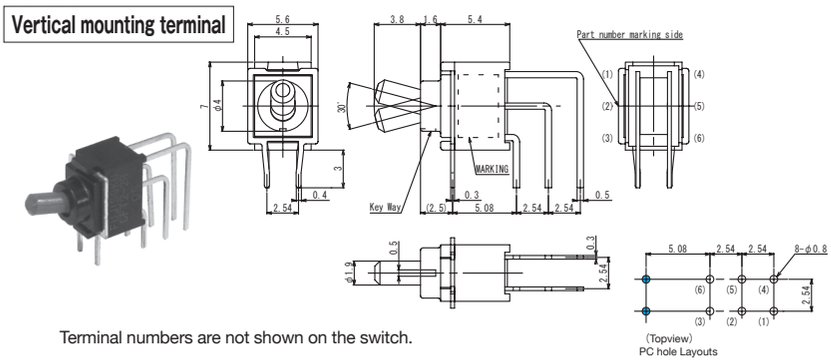


Terminal numbers are not shown on the switch.

Part No. \ Switching function	Key	Key	Key
CFT2-1DC6-AW	ON	—	ON
CFT2-1EC6-AW	ON	OFF	ON
☆CFT2-1FC6-AW	ON	—	(ON)
☆CFT2-1GC6-AW	(ON)	OFF	(ON)
☆CFT2-1HC6-AW	ON	OFF	(ON)
Connecting terminals	5—6	—	4—5

DPDT

Vertical mounting terminal



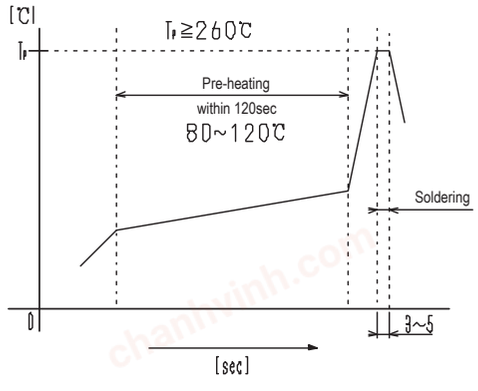
Terminal numbers are not shown on the switch.

Part No. \ Switching function	Key	Key	Key
☆CFT2-2NC6-AW	ON	—	ON
☆CFT2-2PC6-AW	ON	OFF	ON
☆CFT2-2RC6-AW	ON	—	(ON)
☆CFT2-2SC6-AW	(ON)	OFF	(ON)
☆CFT2-2TC6-AW	ON	OFF	(ON)
Connecting terminals	2—3 5—6	—	1—2 4—5

■Soldering Specifications

(1)Manual Soldering
Device : Soldering iron
350℃, Max.; 3 seconds, Max.

(2)Auto Soldering
Device : Jet wave type or dip type
260℃, Max.; 3 to 5 seconds (One time)
Total dip time within 10 sec.
・Pre-heating should be done at temperatures ranging from 80℃ to 120℃ and within 120 sec.



(3)When soldering two or more terminals to the common land, use the solder resist to solder them independently.

■ Flux Cleaning

(1)Solvent : Fluorine or Alcohol type.

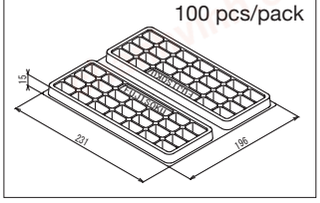
(2)Cleaning after soldering should be done after the PC board is exposed to room temperature (30℃ or below) for 1 to 2 hours.

(3)Do not use ultrasonic cleaning.

■Packaging Specifications

Plastick Pack

100 pcs/pack



(ON) : Momentary. ☆ : Semi-standard products.