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

ATE

Subminiature Toggle Switch

Washable

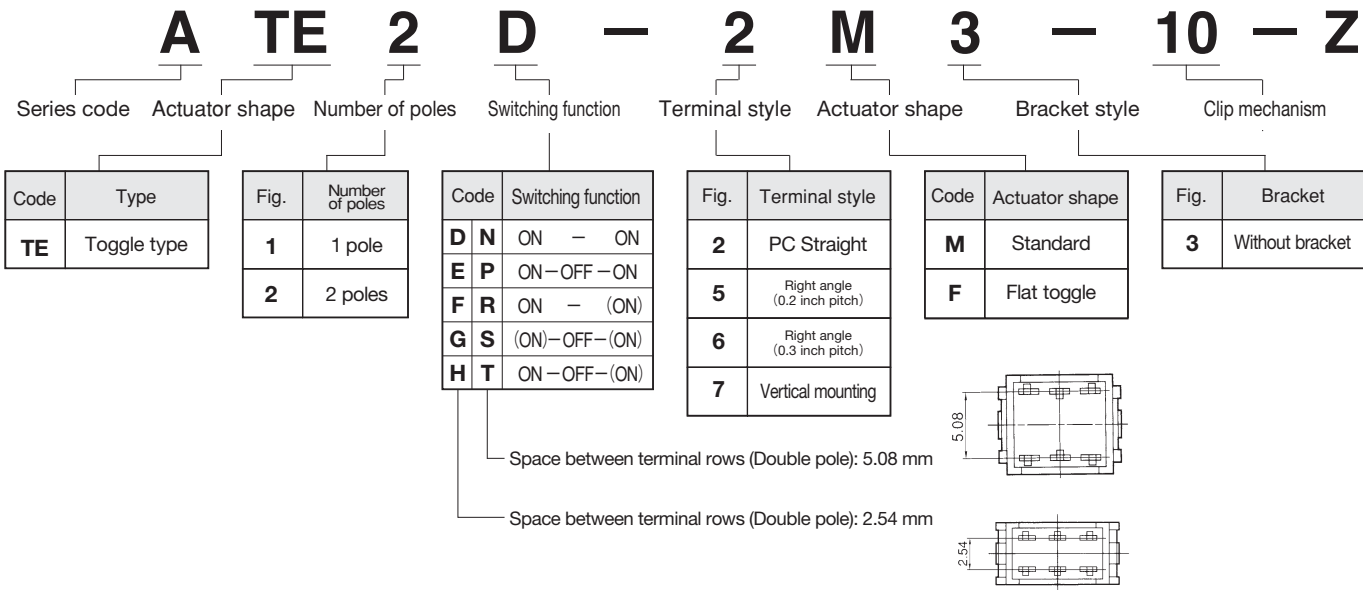FUJISOKU SWITCHES

RoHS Compliant

UL

■Features

1. Twin-contact clip mechanism for high reliability.
2. Process sealed structure
3. Gold-plated contacts.
4. Terminal pin pitch: 2.54 mm.
5. Independent detent mechanism ensures light operational feel.
6. UL recognized (Excluding ATE-J series with plastic cap/rocker)
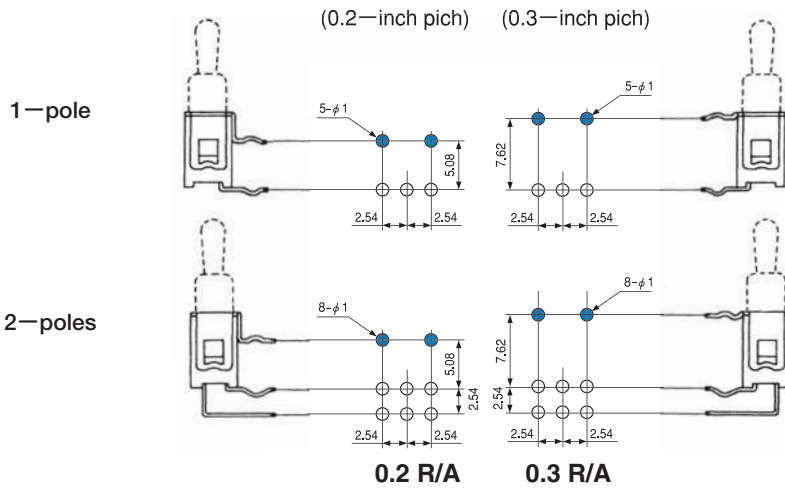
■ Specifications

Rating	Max.	50mA 60VAC・DC 0.4VA AC、DC
	Min.	1μA 20mVAC・DC
Initial contact resistance		50mΩ Max.　　　（1.5mA 200μVAC）
Dielectric strength		250VAC 1 minute
Insulation resistance		500MΩ min.　　　（250VDC）
Electrical life		10,000 cycles at 0.4VA rating. 50,000 cycles at 0.4VA rating.（**D.E.N.P** type） 30,000 cycles at 0.4VA 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		−20℃〜+85℃
Storage temperature range		−40℃〜+85℃

■Part Numbering

A TE 2 D − 2 M 3 − 10 − Z

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

Code	Type
TE	Toggle type

Fig.	Number of poles
1	1 pole
2	2 poles

Code		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)

— Space between terminal rows (Double pole): 5.08 mm
— Space between terminal rows (Double pole): 2.54 mm

Fig.	Terminal style
2	PC Straight
5	Right angle (0.2 inch pitch)
6	Right angle (0.3 inch pitch)
7	Vertical mounting

Code	Actuator shape
M	Standard
F	Flat toggle

Fig.	Bracket
3	Without bracket

5.08

2.54

（ON）：Momentary.

■Right Angle Terminals

(0.2—inch pich)　　(0.3—inch pich)

1—pole

5-φ1　　　5-φ1

5.08　　7.62

2.54 2.54　2.54 2.54

2—poles

8-φ1　　　8-φ1

5.08　　7.62

2.54　2.54

2.54 2.54　2.54 2.54

0.2 R/A　**0.3 R/A**

● The space between the terminal rows are available in two dimensions: 0.2 inches (5.08 mm) and 0.3 inches (7.62 mm).

[Example]　0.2-inch pitch: **ATE1D-5M3-10-Z**
　　　　　　0.3-inch pitch: **ATE1D-6M3-10-Z**
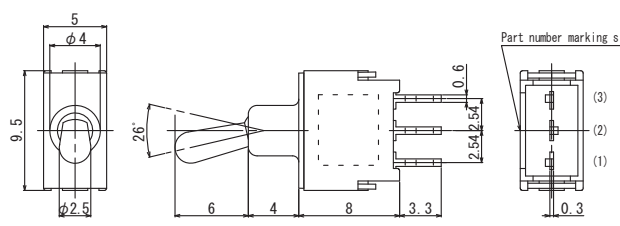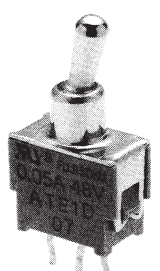
■Optional Accessories

Refer to P.371 for PC Hole Layouts.

Part name	Bracket		
Poles	Single pole	Double poles	
Box size	5 mm	7.5 mm	5 mm
Type	ATE—2M・2F		
Dimensions	10.15 φ4.12 0.7 8.3 6.8 3.3 0.7 9.5 0.7 11.5 5	10.15 φ4.12 0.7 8.3 6.8 3.3 0.7 9.5 5.08 11.5 7.5	10.15 φ4.12 8.3 6.8 3.3 0.7 9.5 2.54 0.7 11.5 5
Part number	**140000640314**	**140000640315**	**140000640318**

Type	ATE—2M・5M・6M・7M
Part name	**Color Cap**
Dimensions	Gloss finish φ4 7.5 φ3 Vinyl chloride
White	**140000470174**
Red	**140000470175**
Black	**140000470173**
Gray	**140000470179**
Green	**140000470177**
Blue	**140000470178**
Orange	**140000470181**
Yellow	**140000470176**
Brown	**140000470180**

SPDT
PC Straight

Standard Toggle

5 φ4 9.5 φ2.5　26°　6 4 8 3.3　0.6 2.54 2.54 0.3

Part number marking side
(3) (2) (1)

	Switching function Part No.	Viewed from part No. marking side		
		ON	—	ON
ᴿᴸ	ATE1D-2M3-10-Z	ON	—	ON
ᴿᴸ	ATE1E-2M3-10-Z	ON	OFF	ON
ᴿᴸ	ATE1F-2M3-10-Z	ON	—	(ON)
ᴿᴸ	ATE1G-2M3-10-Z	(ON)	OFF	(ON)
ᴿᴸ	☆ATE1H-2M3-10-Z	ON	OFF	(ON)
	Connecting terminals	2—3	—	2—1

Terminal numbers are not shown on the switch.

DPDT
PC Straight

2.54mm/Distance between two terminal rows : 2.54mm
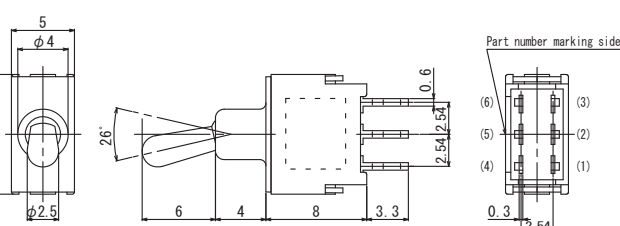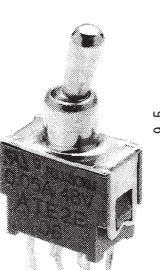
5 φ4 9.5 φ2.5　26°　6 4 8 3.3　0.6 2.54 0.3 2.54

Part number marking side
(6) (3) (5) (2) (4) (1)

	Switching function Part No.	Viewed from part No. marking side		
		ON	—	ON
ᴿᴸ	ATE2D-2M3-10-Z	ON	—	ON
ᴿᴸ	☆ATE2E-2M3-10-Z	ON	OFF	ON
ᴿᴸ	★ATE2F-2M3-10-Z	ON	—	(ON)
ᴿᴸ	☆ATE2G-2M3-10-Z	(ON)	OFF	(ON)
ᴿᴸ	☆ATE2H-2M3-10-Z	ON	OFF	(ON)
	Connecting terminals	2—3 5—6	—	2—1 5—4

Terminal numbers are not shown on the switch.

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

ATE

DPDT — PC Straight
（Space between terminal rows : 5.08 mm）

Terminal numbers are not shown on the switch.

Part No.	Switching function / Viewed from part No. marking side		
	（left）	（center）	（right）
☆ ATE2N-2M3-10-Z	ON	—	ON
★ ATE2P-2M3-10-Z	ON	OFF	ON
★ ATE2R-2M3-10-Z	ON	—	(ON)
★ ATE2S-2M3-10-Z	(ON)	OFF	(ON)
★ ATE2T-2M3-10-Z	ON	OFF	(ON)
Connecting terminals	2—3 / 5—6	—	2—1 / 5—4

SPDT — Right angle（0.2 inch pitch）
（Mounting height : 3.1mm）

Terminal numbers are not shown on the switch.
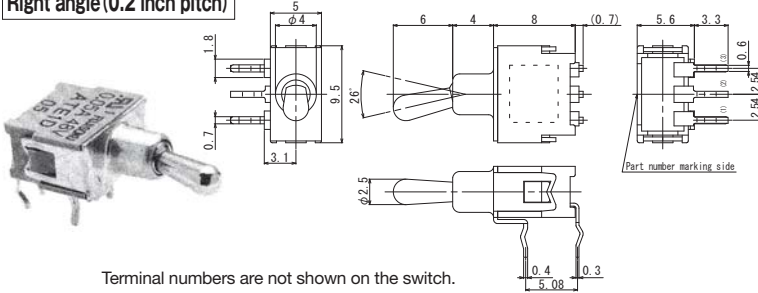
Part No.	Switching function / Viewed from part No. marking side		
	（left）	（center）	（right）
ATE1D-5M3-10-Z	ON	—	ON
☆ ATE1E-5M3-10-Z	ON	OFF	ON
★ ATE1F-5M3-10-Z	ON	—	(ON)
☆ ATE1G-5M3-10-Z	(ON)	OFF	(ON)
★ ATE1H-5M3-10-Z	ON	OFF	(ON)
Connecting terminals	2—3	—	2—1

DPDT — Right angle（0.2 inch pitch）
（Mounting height : 3.1mm）

Terminal numbers are not shown on the switch.
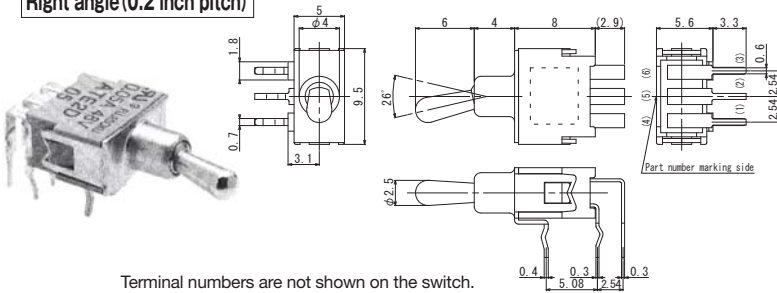
Part No.	Switching function / Viewed from part No. marking side		
	（left）	（center）	（right）
☆ ATE2D-5M3-10-Z	ON	—	ON
★ ATE2E-5M3-10-Z	ON	OFF	ON
★ ATE2F-5M3-10-Z	ON	—	(ON)
☆ ATE2G-5M3-10-Z	(ON)	OFF	(ON)
▲ ATE2H-5M3-10-Z	ON	OFF	(ON)
Connecting terminals	2—3 / 5—6	—	2—1 / 5—4

DPDT — Right angle（0.2 inch pitch）
（Mounting height : 5.15mm）

Terminal numbers are not shown on the switch.
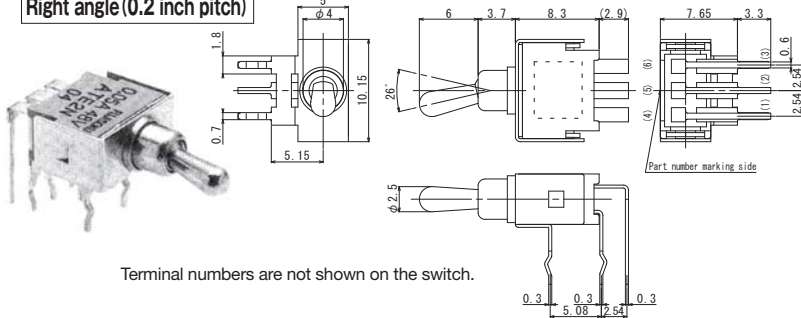
Part No.	Switching function / Viewed from part No. marking side		
	（left）	（center）	（right）
☆ ATE2N-5M3-10-Z	ON	—	ON
★ ATE2P-5M3-10-Z	ON	OFF	ON
▲ ATE2R-5M3-10-Z	ON	—	(ON)
★ ATE2S-5M3-10-Z	(ON)	OFF	(ON)
▲ ATE2T-5M3-10-Z	ON	OFF	(ON)
Connecting terminals	2—3 / 5—6	—	2—1 / 5—4

SPDT — Right angle（0.3 inch pitch）
（Mounting height : 3.1mm）

Terminal numbers are not shown on the switch.
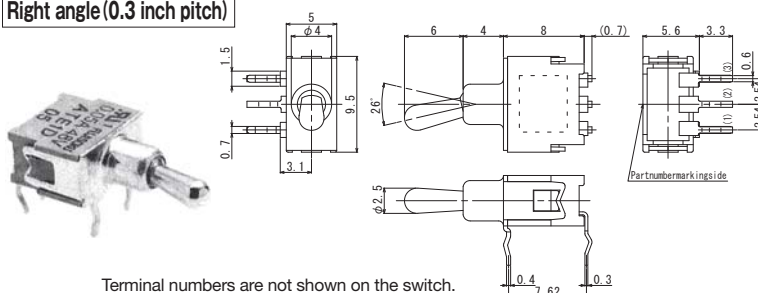
Part No.	Switching function / Viewed from part No. marking side		
	（left）	（center）	（right）
ATE1D-6M3-10-Z	ON	—	ON
ATE1E-6M3-10-Z	ON	OFF	ON
ATE1F-6M3-10-Z	ON	—	(ON)
☆ ATE1G-6M3-10-Z	(ON)	OFF	(ON)
☆ ATE1H-6M3-10-Z	ON	OFF	(ON)
Connecting terminals	2—3	—	2—1

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

ATE

DPDT
Right angle (0.3 inch pitch)
（Mounting height : 3.1mm）
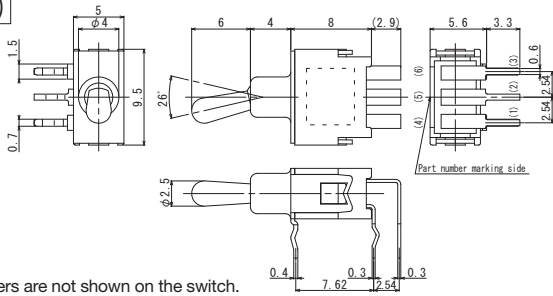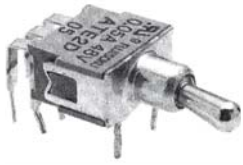
Terminal numbers are not shown on the switch.

Part No.	Switching function	Viewed from part No. marking side		
⚜ ATE2D-6M3-10-Z		ON	—	ON
⚜ ★ATE2E-6M3-10-Z		ON	OFF	ON
⚜ ★ATE2F-6M3-10-Z		ON	—	(ON)
⚜ ★ATE2G-6M3-10-Z		(ON)	OFF	ON
⚜ ▲ATE2H-6M3-10-Z		ON	OFF	(ON)
Connecting terminals		2—3 5—6	—	2—1 5—4

DPDT
Right angle (0.3 inch pitch)
（Mounting height : 5.15mm）

Terminal numbers are not shown on the switch.
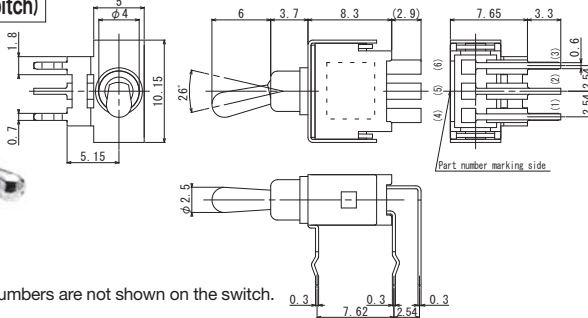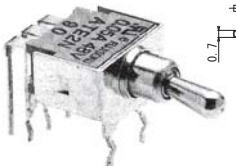
Part No.	Switching function	Viewed from part No. marking side		
⚜ ATE2N-6M3-10-Z		ON	—	ON
⚜ ☆ATE2P-6M3-10-Z		ON	OFF	ON
⚜ ★ATE2R-6M3-10-Z		ON	—	(ON)
⚜ ★ATE2S-6M3-10-Z		(ON)	OFF	(ON)
⚜ ★ATE2T-6M3-10-Z		ON	OFF	(ON)
Connecting terminals		2—3 5—6	—	2—1 5—4
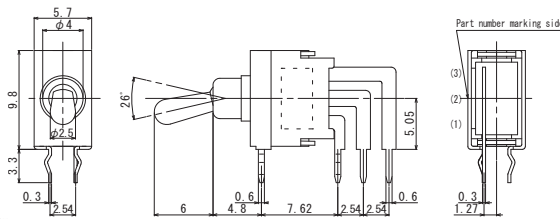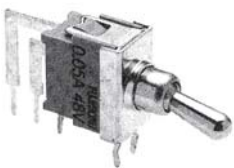
SPDT
Vertical mounting

Terminal numbers are not shown on the switch.

Part No.	Switching function	Viewed from part No. marking side		
⚜ ☆ATE1D-7M3-10-Z		ON	—	ON
⚜ ☆ATE1E-7M3-10-Z		ON	OFF	ON
⚜ ★ATE1F-7M3-10-Z		ON	—	(ON)
⚜ ★ATE1G-7M3-10-Z		(ON)	OFF	(ON)
⚜ ▲ATE1H-7M3-10-Z		ON	OFF	(ON)
Connecting terminals		2—3	—	2—1
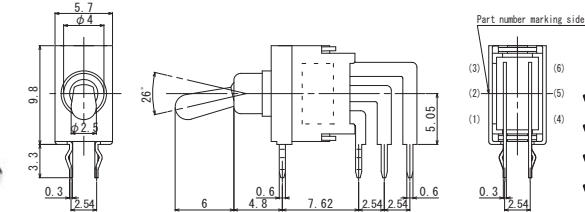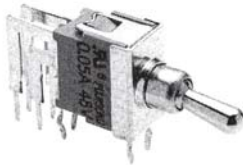
DPDT
Vertical mounting

Terminal numbers are not shown on the switch.

Part No.	Switching function	Viewed from part No. marking side		
⚜ ATE2D-7M3-10-Z		ON	—	ON
⚜ ★ATE2E-7M3-10-Z		ON	OFF	ON
⚜ ★ATE2F-7M3-10-Z		ON	—	(ON)
⚜ ▲ATE2G-7M3-10-Z		(ON)	OFF	(ON)
⚜ ▲ATE2H-7M3-10-Z		ON	OFF	(ON)
Connecting terminals		2—3 5—6	—	2—1 5—4

SPDT
PC Straight
Flat Toggle
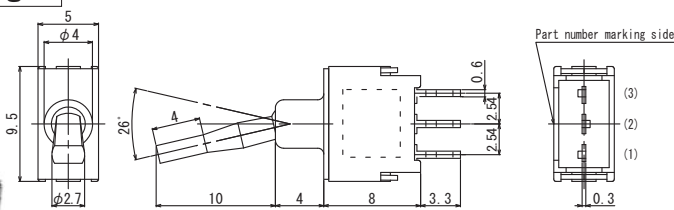
Terminal numbers are not shown on the switch.

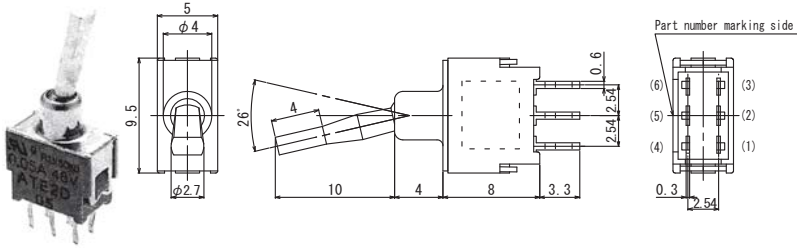| Part No.	Switching function	Viewed from part No. marking side		
⚜ ATE1D-2F3-10-Z		ON	—	ON
⚜ ATE1E-2F3-10-Z		ON	OFF	ON
⚜ ☆ATE1F-2F3-10-Z		ON	—	(ON)
⚜ ★ATE1G-2F3-10-Z		(ON)	OFF	(ON)
⚜ ★ATE1H-2F3-10-Z		ON	OFF	(ON)
Connecting terminals		2—3	—	2—1

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

ATE

DPDT — PC Straight
(Space between terminal rows (Double pole): 2.54 mm)

Terminal numbers are not shown on the switch.

Part No.	Switching function / Viewed from part No. marking side		
☆ ATE2D-2F3-10-Z	ON	—	ON
★ ATE2E-2F3-10-Z	ON	OFF	ON
★ ATE2F-2F3-10-Z	ON	—	(ON)
☆ ATE2G-2F3-10-Z	(ON)	OFF	(ON)
★ ATE2H-2F3-10-Z	ON	OFF	(ON)
Connecting terminals	2−3 5−6	—	2−1 5−4

DPDT — PC Straight
(Space between terminal rows (Double pole): 5.08 mm)

Terminal numbers are not shown on the switch.
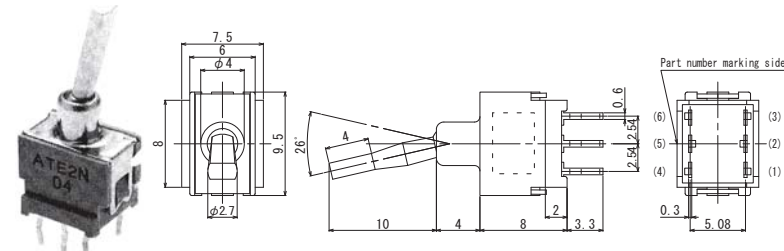
Part No.	Switching function / Viewed from part No. marking side		
☆ ATE2N-2F3-10-Z	ON	—	ON
★ ATE2P-2F3-10-Z	ON	OFF	ON
★ ATE2R-2F3-10-Z	ON	—	(ON)
▲ ATE2S-2F3-10-Z	(ON)	OFF	(ON)
★ ATE2T-2F3-10-Z	ON	OFF	(ON)
Connecting terminals	2−3 5−6	—	2−1 5−4

SPDT — Right angle (0.2 inch pitch)
(Mounting height : 3.1mm)

Terminal numbers are not shown on the switch.
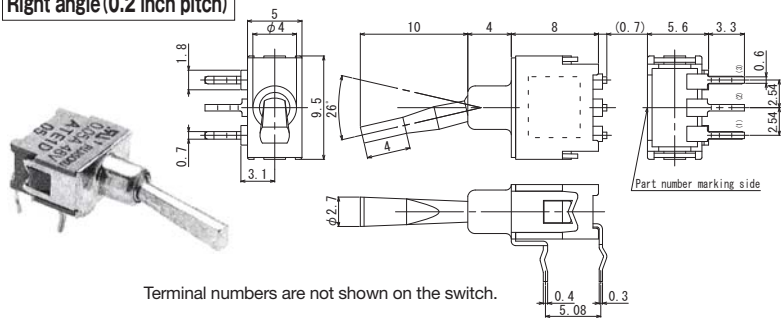
Part No.	Switching function / Viewed from part No. marking side		
☆ ATE1D-5F3-10-Z	ON	—	ON
★ ATE1E-5F3-10-Z	ON	OFF	ON
★ ATE1F-5F3-10-Z	ON	—	(ON)
★ ATE1G-5F3-10-Z	(ON)	OFF	(ON)
★ ATE1H-5F3-10-Z	ON	OFF	(ON)
Connecting terminals	2−3	—	2−1

DPDT — Right angle (0.2 inch pitch)
(Mounting height : 3.1mm)

Terminal numbers are not shown on the switch.
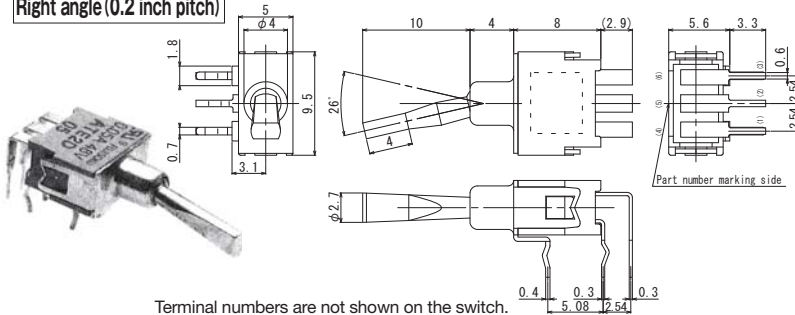
Part No.	Switching function / Viewed from part No. marking side		
★ ATE2D-5F3-10-Z	ON	—	ON
▲ ATE2E-5F3-10-Z	ON	OFF	ON
▲ ATE2F-5F3-10-Z	ON	—	(ON)
★ ATE2G-5F3-10-Z	(ON)	OFF	(ON)
▲ ATE2H-5F3-10-Z	ON	OFF	(ON)
Connecting terminals	2−3 5−6	—	2−1 5−4

DPDT — Right angle (0.2 inch pitch)
(Mounting height : 5.15mm)

Terminal numbers are not shown on the switch.
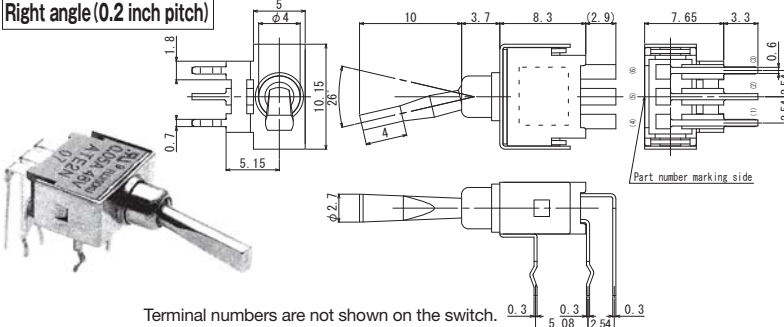
Part No.	Switching function / Viewed from part No. marking side		
★ ATE2N-5F3-10-Z	ON	—	ON
▲ ATE2P-5F3-10-Z	ON	OFF	ON
▲ ATE2R-5F3-10-Z	ON	—	(ON)
▲ ATE2S-5F3-10-Z	(ON)	OFF	(ON)
▲ ATE2T-5F3-10-Z	ON	OFF	(ON)
Connecting terminals	2−3 5−6	—	2−1 5−4

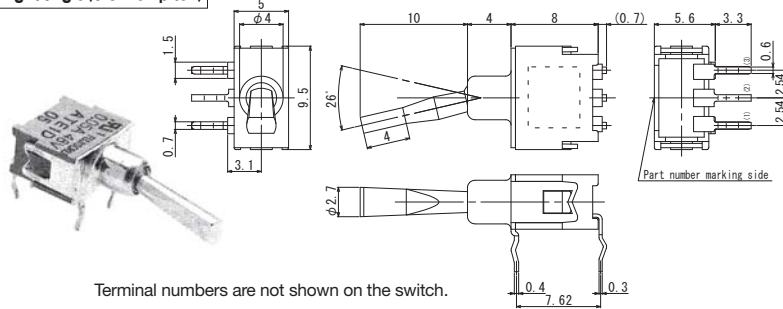(ON) : Momentary.　▲ : Inquiry products.　☆ : Semi-standard products.　★ : Made to order products.

ATE

SPDT
Right angle (0.3 inch pitch)
（Mounting height : 3.1mm）

Terminal numbers are not shown on the switch.

Part No.	Switching function	Viewed from part No. making side		
⚠ ★ATE1D-6F3-10-Z		ON	—	ON
⚠ ★ATE1E-6F3-10-Z		ON	OFF	ON
⚠ ★ATE1F-6F3-10-Z		ON	—	(ON)
☆ATE1G-6F3-10-Z		(ON)	OFF	(ON)
⚠ ★ATE1H-6F3-10-Z		ON	OFF	(ON)
Connecting terminals		2－3	—	2－1

DPDT
Right angle (0.3 inch pitch)
（Mounting height : 3.1mm）

Terminal numbers are not shown on the switch.
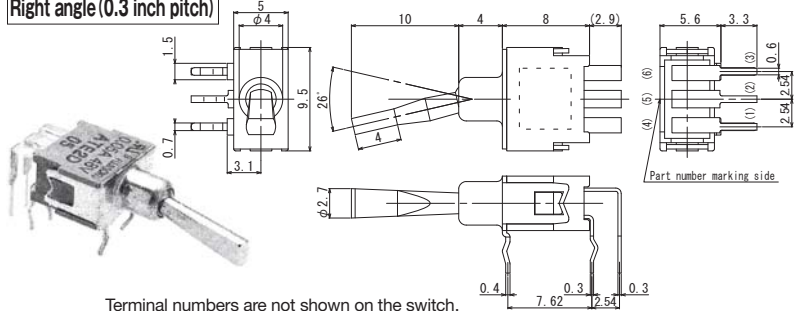
Part No.	Switching function	Viewed from part No. marking side		
☆ATE2D-6F3-10-Z		ON	—	ON
⚠ ★ATE2E-6F3-10-Z		ON	OFF	ON
⚠ ▲ATE2F-6F3-10-Z		ON	—	(ON)
⚠ ▲ATE2G-6F3-10-Z		(ON)	OFF	(ON)
⚠ ▲ATE2H-6F3-10-Z		ON	OFF	(ON)
Connecting terminals		2－3 5－6	—	2－1 5－4

DPDT
Right angle (0.3 inch pitch)
（Mounting height : 5.15mm）

Terminal numbers are not shown on the switch.
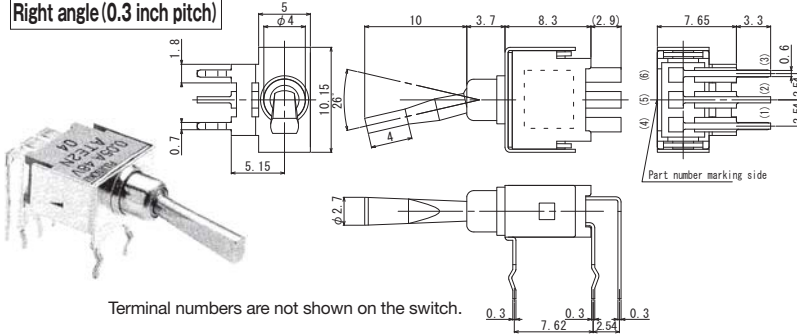
Part No.	Switching function	Viewed from part No. marking side		
⚠ ★ATE2N-6F3-10-Z		ON	—	ON
⚠ ▲ATE2P-6F3-10-Z		ON	OFF	ON
⚠ ▲ATE2R-6F3-10-Z		ON	—	(ON)
⚠ ▲ATE2S-6F3-10-Z		(ON)	OFF	(ON)
⚠ ▲ATE2T-6F3-10-Z		ON	OFF	(ON)
Connecting terminals		2－3 5－6	—	2－1 5－4

SPDT
Vertical mounting

Terminal numbers are not shown on the switch.
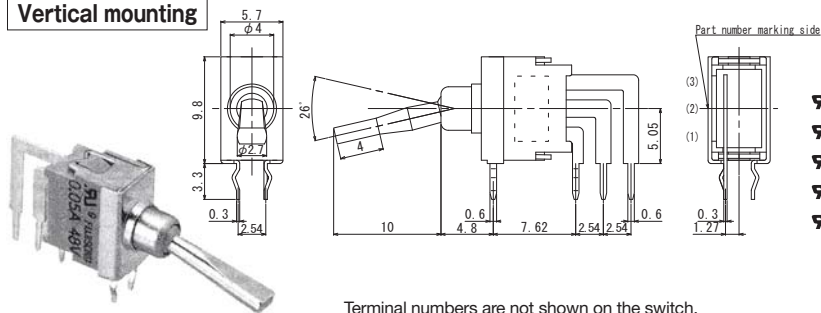
Part No.	Switching function	Viewed from part No. marking side		
⚠ ★ATE1D-7F3-10-Z		ON	—	ON
⚠ ▲ATE1E-7F3-10-Z		ON	OFF	ON
⚠ ★ATE1F-7F3-10-Z		ON	—	(ON)
⚠ ▲ATE1G-7F3-10-Z		(ON)	OFF	(ON)
⚠ ★ATE1H-7F3-10-Z		ON	OFF	(ON)
Connecting terminals		2－3	—	2－1

DPDT
Vertical mounting

Terminal numbers are not shown on the switch.
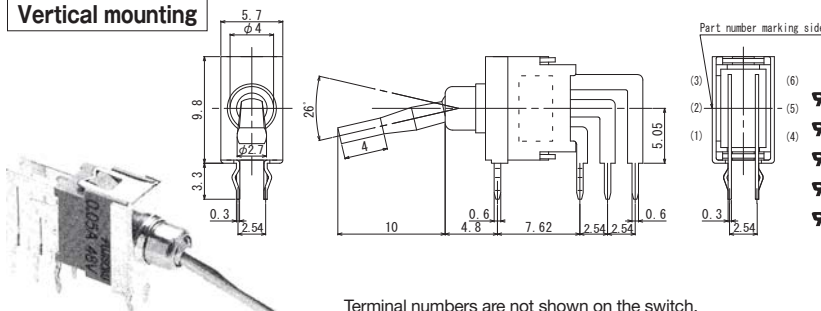
Part No.	Switching function	Viewed from part No. marking side		
⚠ ★ATE2D-7F3-10-Z		ON	—	ON
⚠ ★ATE2E-7F3-10-Z		ON	OFF	ON
⚠ ★ATE2F-7F3-10-Z		ON	—	(ON)
⚠ ▲ATE2G-7F3-10-Z		(ON)	OFF	(ON)
⚠ ▲ATE2H-7F3-10-Z		ON	OFF	(ON)
Connecting terminals		2－3 5－6	—	2－1 5－4

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

ATE-J（Plastic type）

■Part Numbering（Plastic cap・Rocker type）
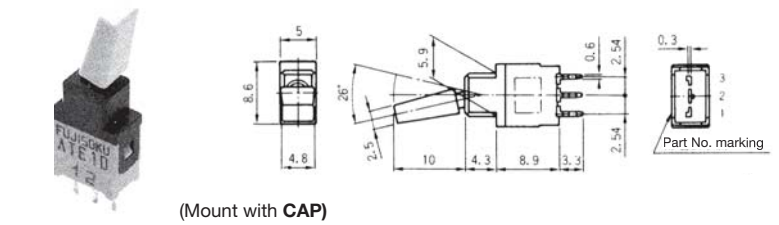
A TE 2 D － 2 J 3 － 10 － Z

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

Code	Type
TE	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）
G	（ON）－OFF－（ON）
H	ON－OFF－（ON）

Space between terminal rows (Double pole): 2.54 mm
[5.08 mm is not available]

Fig.	Terminal style
2	P/C terminal
6	Right angle (0.3 inch pitch)
7	Vertical mounting

Code	Actuator shape
J	Plastic Knob type

Fig.	Bracket
3	Without bracket

SPDT
PC Straight

(Mount with **CAP**)

Switching function / Part No.	Viewed from part No. marking side		
☆ATE1D-2J3-10-Z	ON	－	ON
★ATE1E-2J3-10-Z	ON	OFF	ON
▲ATE1F-2J3-10-Z	ON	－	（ON）
▲ATE1G-2J3-10-Z	（ON）	OFF	（ON）
★ATE1H-2J3-10-Z	ON	OFF	（ON）
Connecting terminals	2－3	－	2－1

DPDT
PC Straight

(Mount with **Rocker**)
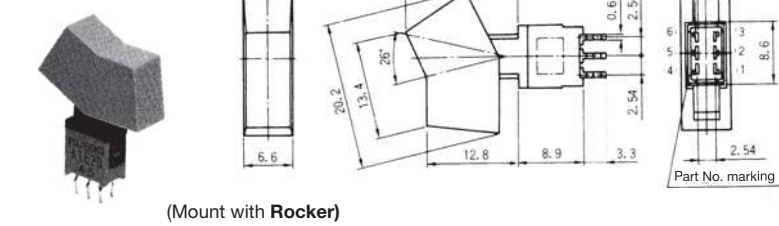
Switching function / Part No.	Viewed from part No. marking side		
★ATE2D-2J3-10-Z	ON	－	ON
▲ATE2E-2J3-10-Z	ON	OFF	ON
▲ATE2F-2J3-10-Z	ON	－	（ON）
▲ATE2G-2J3-10-Z	（ON）	OFF	（ON）
▲ATE2H-2J3-10-Z	ON	OFF	（ON）
Connecting terminals	2－3 5－6	－	2－1 5－4

SPDT
Right angle (0.3 inch pitch)

(Mount with **CAP**)
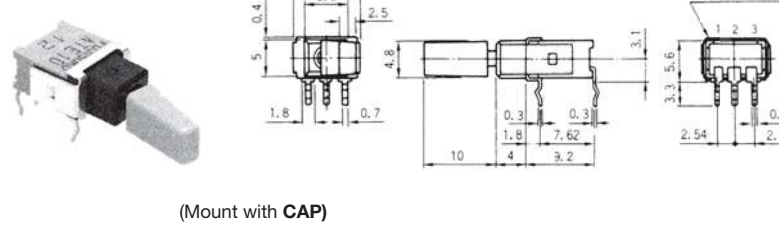
Switching function / Part No.	Viewed from part No. marking side		
★ATE1D-6J3-10-Z	ON	－	ON
▲ATE1E-6J3-10-Z	ON	OFF	ON
▲ATE1F-6J3-10-Z	ON	－	（ON）
▲ATE1G-6J3-10-Z	（ON）	OFF	（ON）
▲ATE1H-6J3-10-Z	ON	OFF	（ON）
Connecting terminals	2－3	－	2－1

DPDT
Right angle (0.3 inch pitch)

(Mount with **Rocker**)
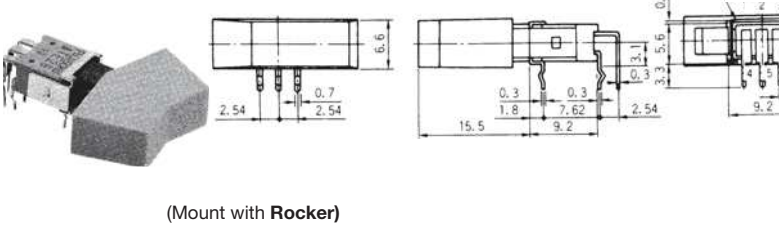
Switching function / Part No.	Viewed from part No. marking side		
▲ATE2D-6J3-10-Z	ON	－	ON
▲ATE2E-6J3-10-Z	ON	OFF	ON
▲ATE2F-6J3-10-Z	ON	－	（ON）
▲ATE2G-6J3-10-Z	（ON）	OFF	（ON）
▲ATE2H-6J3-10-Z	ON	OFF	（ON）
Connecting terminals	2－3 5－6	－	2－1 5－4

Notes:
· Install the cap/rocker accessory after soldering and cleaning.
· Specify the shape and coloring when ordering.
· Space between terminal rows: 5.08 mm is not available.

●**Color cap** and **Rocker** accessories are sold separately.　　Terminal numbers are not shown on the switch.　　（ON）：Momentary.　　★：Made to order products.
☆：Semi-standard products.　　▲：Inquiry products.

ATE-J

SPDT

Vertical mounting

(Mount with **CAP)**

Terminal numbers are not shown on the switch.

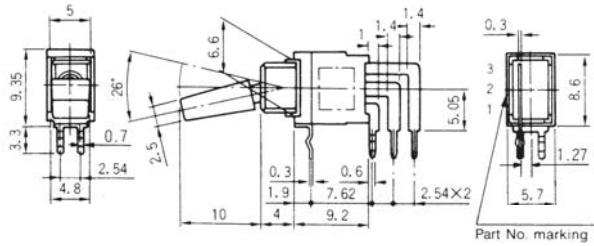| Part No.	Switching function / Viewed from part No. marking side		
★ATE1D-7J3-10-Z	ON	—	ON
▲ATE1E-7J3-10-Z	ON	OFF	ON
▲ATE1F-7J3-10-Z	ON	—	(ON)
▲ATE1G-7J3-10-Z	(ON)	OFF	(ON)
▲ATE1H-7J3-10-Z	ON	OFF	(ON)
Connecting terminals	2−3	—	2−1

DPDT

Vertical mounting

(Mount with **Rocker)**
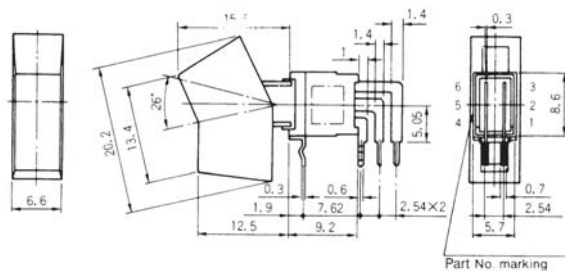
Terminal numbers are not shown on the switch.

Part No.	Switching function / Viewed from part No. marking side		
▲ATE2D-7J3-10-Z	ON	—	ON
▲ATE2E-7J3-10-Z	ON	OFF	ON
▲ATE2F-7J3-10-Z	ON	—	(ON)
▲ATE2G-7J3-10-Z	(ON)	OFF	(ON)
▲ATE2H-7J3-10-Z	ON	OFF	(ON)
Connecting terminals	2−3 5−6	—	2−1 5−4

■Optional Accessories

《Sold separately》

Type	ATE−2J・6J・7J	ATE−2J・6J・7J
Part name	**Color Cap**	**Rocker**
Dimensions	Matte finish / ABS resin	Matte finish / ABS resin
White	**140000050884**	**140000481541**
Red	**140000050886**	**140000481543**
Black	**140000050885**	**140000481542**
Gray	**140000050890**	**140000481547**
Blue	**140000050889**	**140000481546**
Green	**140000050888**	**140000481545**
Orange	**140000050892**	**140000481549**
Yellow	**140000050887**	**140000481544**
Brown	**140000050891**	**140000481548**

●PC hole layout is different depending on the type of **Bracket**.

Type	ATE−2J
Part name	**Bracket**
Dimensions	
Part number	**140000640296**

■Color Cap and Rocker

Installation Procedure for ATE−J type

★ : Made to order products. （ON）: Momentary. ▨:Optional Accessories.

ATE

■PC Hole Layouts

PC terminal （Top voew）

Series code	ATE—2M·2F·2J	ATE—2M·2F			ATE—2J
Installation	Whithout bracket	When optional bracket is used			
		140000640314	140000640315	140000640318	140000640296
1—pole	3-φ1 / 2.54 2.54	5-φ1 / 2.54 2.54 2.54 2.54	2.54 / 2.54 2.54 2.54 2.54 / 7-φ1	2.54 / 2.54 2.54 2.54 2.54 / 7-φ1	2.54 / 2.54 2.54 2.54 2.54 / 7-φ1
2—poles 2.54mm /Tow terminal rows	2.54 / 2.54 2.54 / 6-φ1	2.54 / 2.54 2.54 2.54 2.54 / 8-φ1	2.54 5.08 / 2.54 2.54 2.54 2.54 / 10-φ1	2.54 / 2.54 2.54 2.54 2.54 / 10-φ1	2.54 / 2.54 2.54 2.54 2.54 / 10-φ1
2—poles 5.08mm /Tow terminal rows	5.08 / 2.54 2.54 / 6-φ1	5.08 / 2.54 2.54 2.54 2.54 / 8-φ1	5.08 / 2.54 2.54 2.54 2.54 / 10-φ1	2.54 5.08 / 2.54 2.54 2.54 2.54 / 10-φ1	

Right Angle terminal · Vertical Mount terminal （Top view）

Series code	ATE—5M · 5F	ATE—6M · 6F · 6J	ATE—7M · 7F · 7J
Terminal	0.2—inch pich	0.3—inch pich	Vertical mount
1—pole	2.54 2.54 / 5.08 / 5-φ1	2.54 2.54 / 7.62 / 5-φ1	2.54 / 7.62 2.54 2.54 / 5-φ1
2—poles	2.54 2.54 / 5.08 2.54 / 8-φ1	2.54 2.54 / 7.62 2.54 / 8-φ1	2.54 / 7.62 2.54 2.54 / 8-φ1

■Bracket Mounted Dimensions.

Type	ATE—2M	ATE—2F
	Standard	Flat
Dimensions	6 / 3.7 / 8.3	10 / 3.7 / 8.3

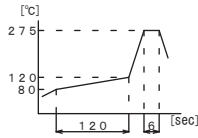## ■Soldering Specifications

（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 ranging from 80℃ to 120℃ and within 120 seconds

（3）Install the cap/rocker accessory after soldering and cleaning.

■Flux Cleaning

（1）Solvent : Fluorine or Alcohol type.

（2）Cleaning after soldering should be done after the terminal temperature falls to 90℃ or below, or after leaving the switch for five minutes or longer at room temperature.

■Packaging Specifications

Plastick Pack	PC terminals : 100 pcs/pack
	Right angle terminals : 50 pcs/pack

Plastick Pack	Vertical mounting terminals 100 pcs/pack

■Mounting of Switch

●Use PC boards with hole diameter of 1mm.

●Do not bend the terminal pins before mounting the switch on the PC board.

●After mounting the switch, do not place the device in such a way that the device weight will be applied on to the actuator of the switch.

●Do not apply load exceeding 12.7 N to the actuator.

✕ 12.7N