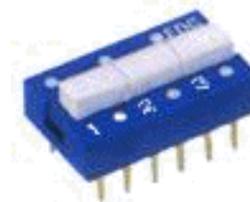


PATENT NO.:29197
24553

FEATURES

- Tactile response is performed directly by larger contact pressure to ensure very stable contact.
- All plastics are UL 94V-0 grade fire retardant.
- Bottom epoxy sealed standard to ensure free of flux immersion during wave soldering.
- Contact wiping on make and break.
- Gold or silver plated contacts to ensure low contact resistance and long mechanical life.
- Ideal for data processing, communications, remote controls and burglar alarm system use, where manual programming is required.

SPECIFICATIONS

1. ELECTRICAL

Contact rating	
switching	25 mA, 24 VDC
non-switching	100 mA, 50 VDC
Contact resistance	
initial	50 m Ω Max.
after life test	100 m Ω Max.
Insulation resistance	1000 M Ω Min. at 100 VDC
Dielectric strength	500 VDC Min. for 60 seconds
Capacitance between adjacent switches 5 pF Max.	

2. MECHANICAL

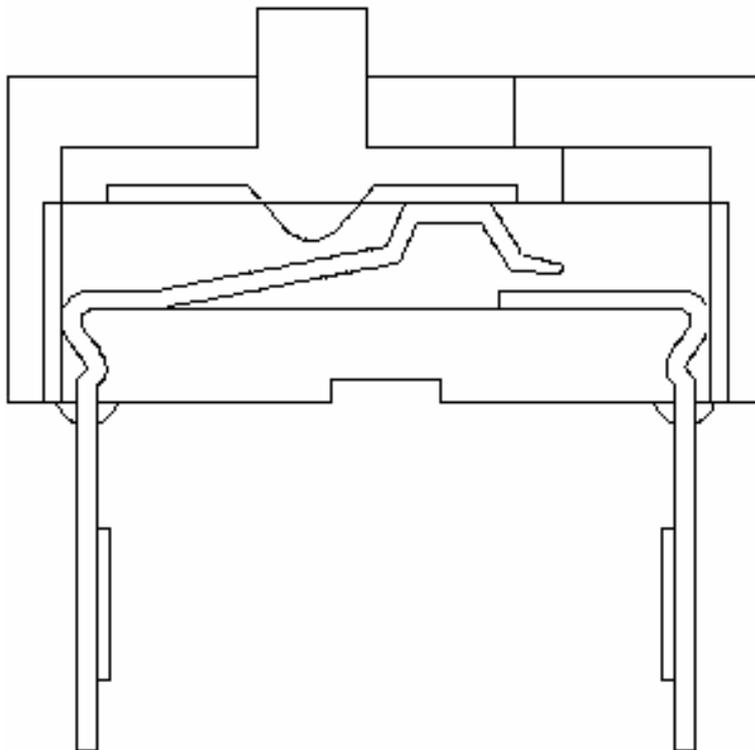
Temperature rating	
operating	-25 $^{\circ}$ C to + 70 $^{\circ}$ C
storage	-40 $^{\circ}$ C to + 85 $^{\circ}$ C
Operation force	800g Max.

Mechanical life	2000 operations
Humidity	95%RH, 40°C for 96 Hrs.
Vibration	Per MIL-STD-202F, method 204D
Solderability	after flux 230±5°C for 5±0.5 seconds, 95% coverage
Resistance to soldering heat	260±5°C for 5±1 seconds

PART NUMBERING SYSTEM

EDG 1 08 S
 | | | |
 +--- Actuator and Sealing:
 S:Standard
 L:Low Profile Actuator
 LT:Low Profile and Tape Sealed
 ST:Standard and Tape Sealed
 +--- Number of positions: As Dimensions and Circuitry
 +--- Contact Forms: 1.SPST 2.DPST 3.SPDT
 4.3PST 5.4PST 6.DPDT
 +--- Series Name: EDG:Gold Plated Contacts
 EDS:Silver Plated Contacts

CONSTRUCTION



SPST

DIMENSIONS AND CIRCUITRY (UNIT: mm)

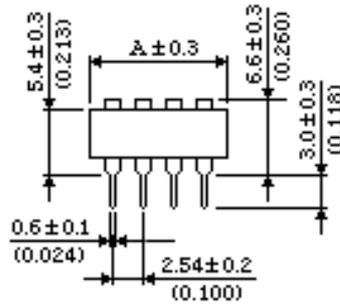
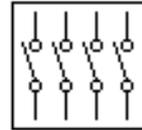
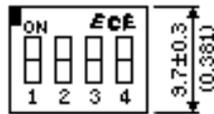
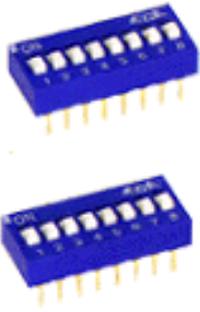
DIMENSION A

Positions	1	2	3	4	5	6	7	8	9	10	12	15
A	3.9 * (0.154)	6.7 (0.264)	9.2 (0.362)	11.7 (0.461)	14.2 (0.559)	16.7 (0.657)	19.2 (0.756)	21.7 (0.854)	24.2 (0.953)	26.7 (1.051)	31.8 (1.252)	39.5 (1.555)

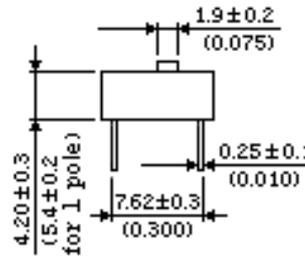
SPST

Unit:mm(inch)

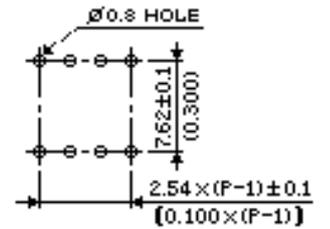
* The dimensions of the 1 pole switch may vary slightly.



Extended type



P.C.B LAYOUT (TOP VIEW)



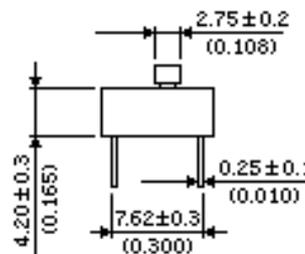
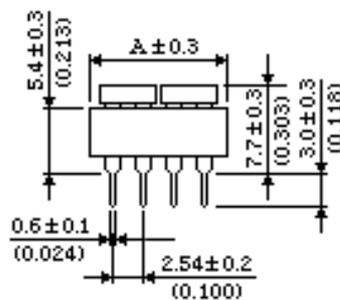
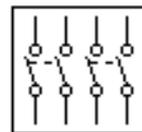
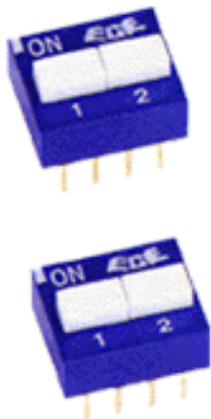
DPST

DIMENSION A

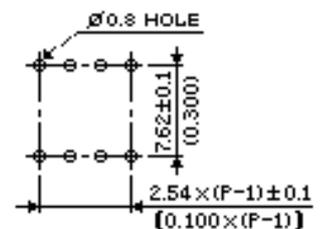
Positions	1	2	3	4	5	6
A	6.7 (0.264)	11.7 (0.461)	16.7 (0.657)	21.7 (0.854)	26.7 (1.05)	31.8 (1.25)

DPST

Unit:mm(inch)



P.C.B LAYOUT (TOP VIEW)



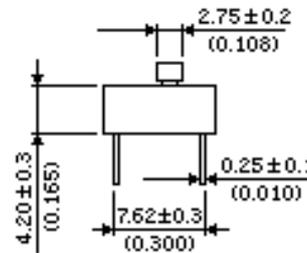
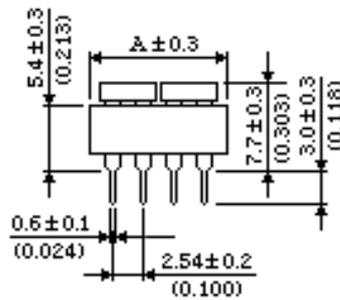
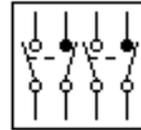
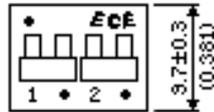
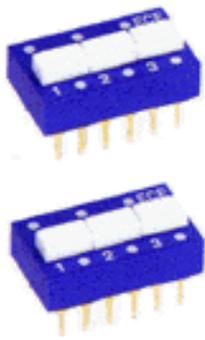
SPDT

DIMENSION A

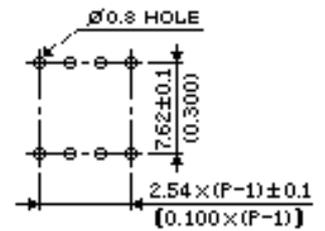
SPDT

Positions	1	2	3	4	5	6
A	6.7 (0.264)	11.7 (0.461)	16.7 (0.657)	21.7 (0.854)	26.7 (1.05)	31.8 (1.25)

Unit:mm(inch)



P.C.B LAYOUT (TOP VIEW)



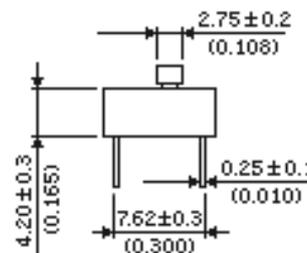
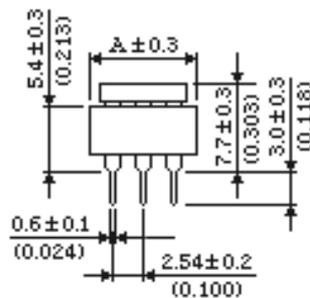
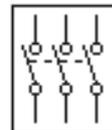
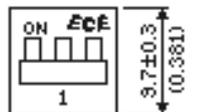
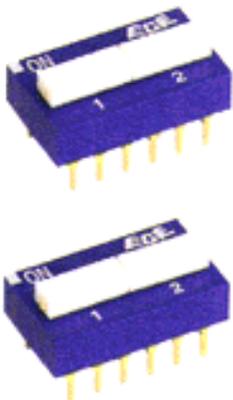
3PST

DIMENSION A

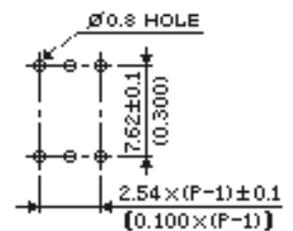
3PST

Positions	1	2	3	4	5
A	9.2 (0.362)	16.7 (0.657)	24.2 (0.953)	31.8 (1.25)	39.5 (1.555)

Unit:mm(inch)



P.C.B LAYOUT (TOP VIEW)



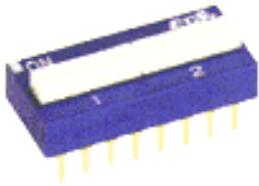
4PST . DPDT

DIMENSION A 4PST. DPDT

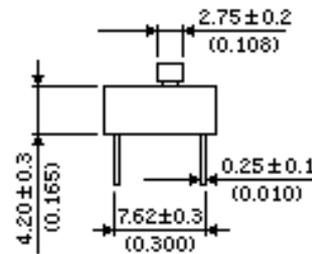
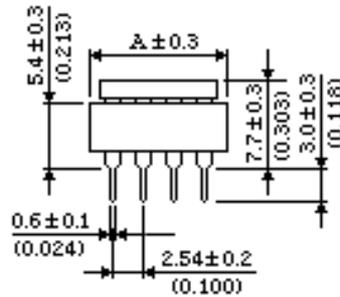
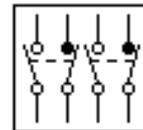
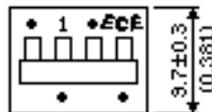
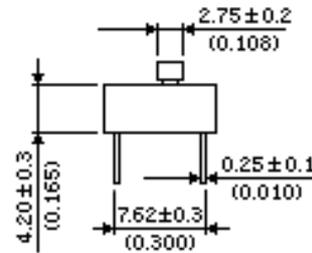
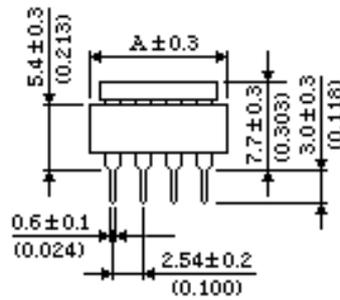
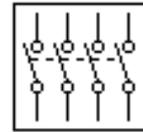
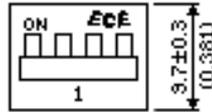
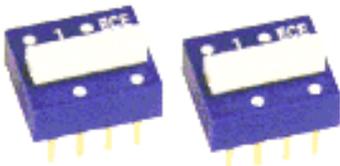
Positions	1	2	3
A	11.7 (0.461)	21.7 (0.854)	31.8 (1.25)

Unit:mm(inch)

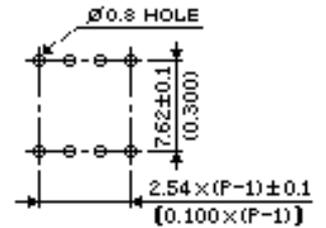
4PST



DPDT



P.C.B LAYOUT (TOP VIEW)

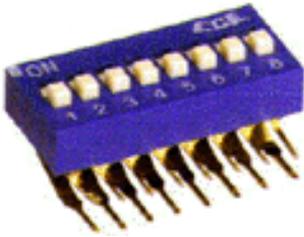




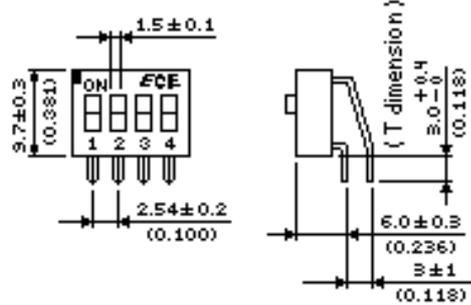
OPTIONS

1.Special top or side marking available

2.Slide with Right Angle Type: EDG(S)xxxSRA Series

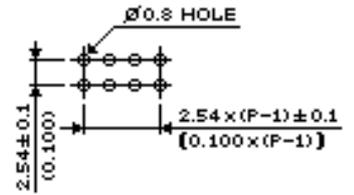


Right angle type



Unit:mm(inch)

P.C.B LAYOUT



** The "T" dimension of the 1 position switch is 3.0 ± 0.2

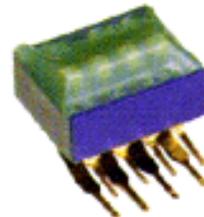
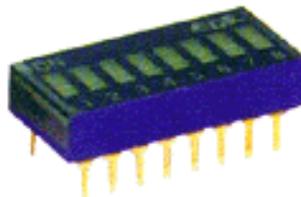
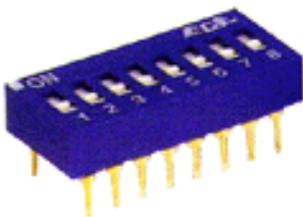
PART NUMBERING SYSTEM

EDG 1 08 S RA
 | | | | |
 | | | | +--- Right Angle

| | | +--- Actuator and Sealing:
 | | | S:Standard
 | | | L:Low Profile Actuator
 | | | LT:Low Profile and Tape Sealed
 | | | ST:Standard and Tape Sealed
 | | +--- Number of positions: As Dimensions and Circuitry
 | +--- Contact Forms: 1.SPST 2.DPST 4.3PST 5.4PST
 +--- Series Name: EDG:Gold Plated Contacts
 EDS:Silver Plated Contacts

3.Low profile actuators

4.Low profile actuators plus top tape sealed

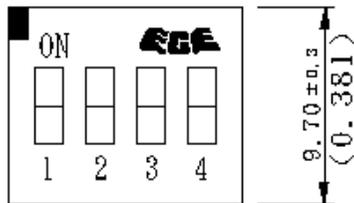


Dimension A

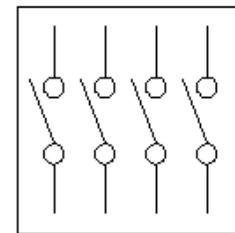
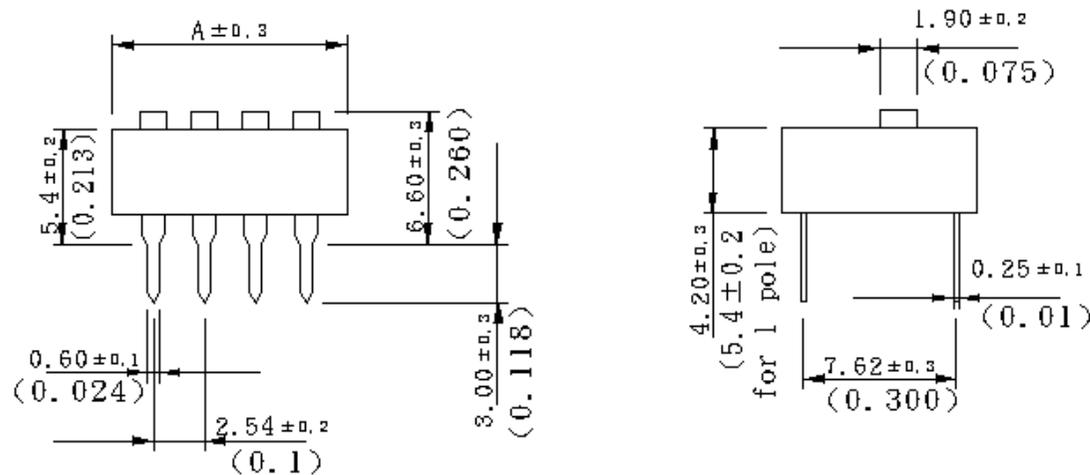
Positions	1	2	3	4	5	6	7	8	9	10	12	15
A	* 3.9 (0.154)	6.7 (0.264)	9.2 (0.362)	11.7 (0.461)	14.2 (0.559)	16.7 (0.657)	19.2 (0.756)	21.7 (0.854)	24.2 (0.953)	26.7 (1.051)	31.8 (1.252)	39.5 (1.555)

Unit:mm(inch)

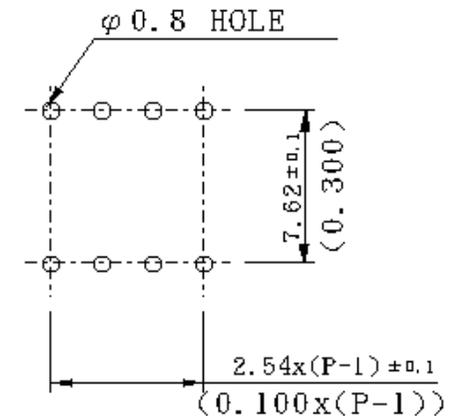
*The dimensions of the 1 pole switch may vary slightly.



Extended Type



P. C. B LAY OUT (TOP VIEW)

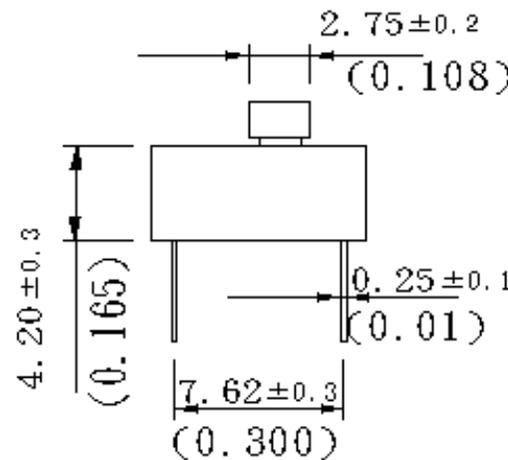
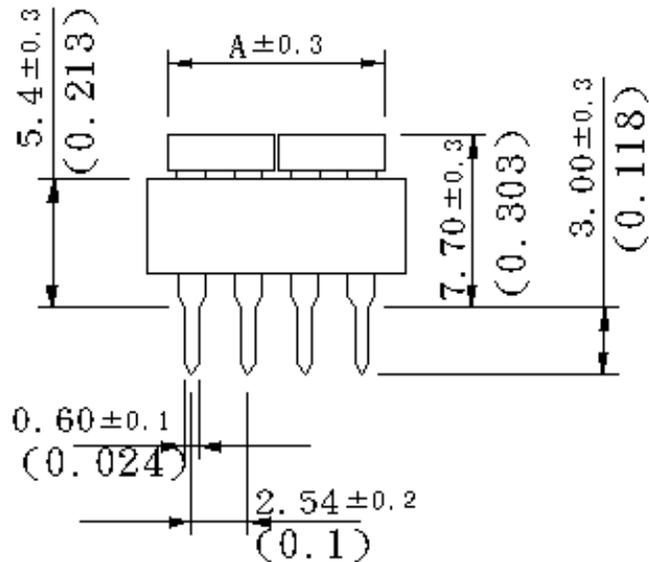
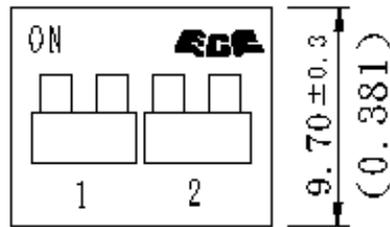
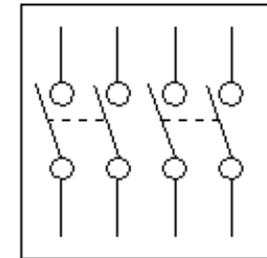


Dimension A

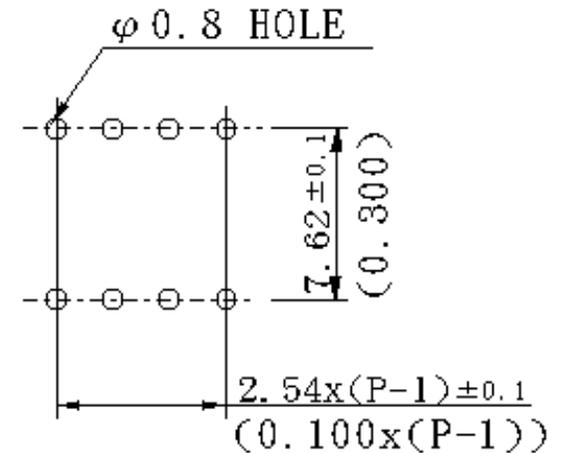
DPST

Positions	1	2	3	4	5	6
A	6.7 (0.264)	11.7 (0.461)	16.7 (0.657)	21.7 (0.854)	26.7 (1.05)	31.8 (1.25)

Unit: mm(inch)



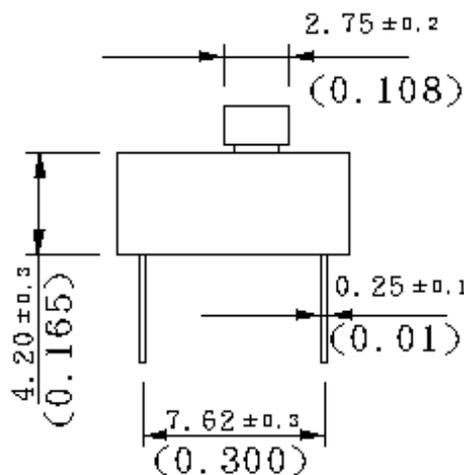
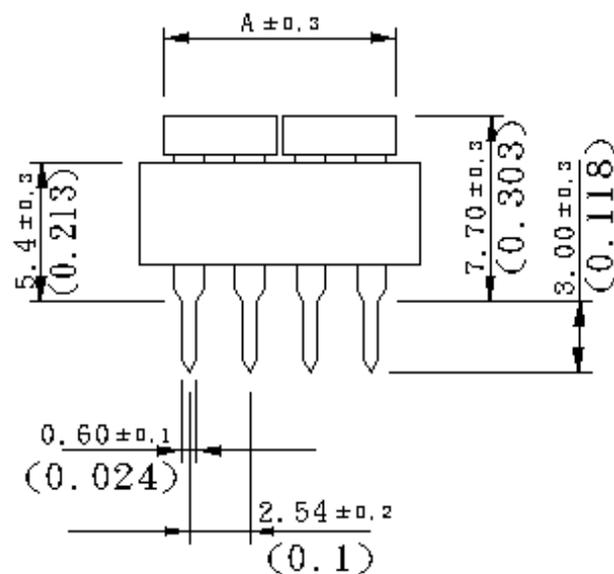
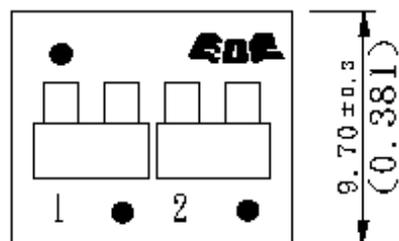
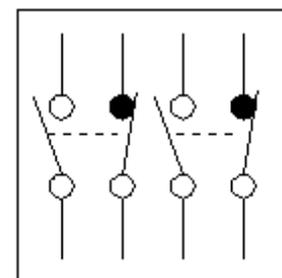
P. C. B LAY OUT (TOP VIEW)



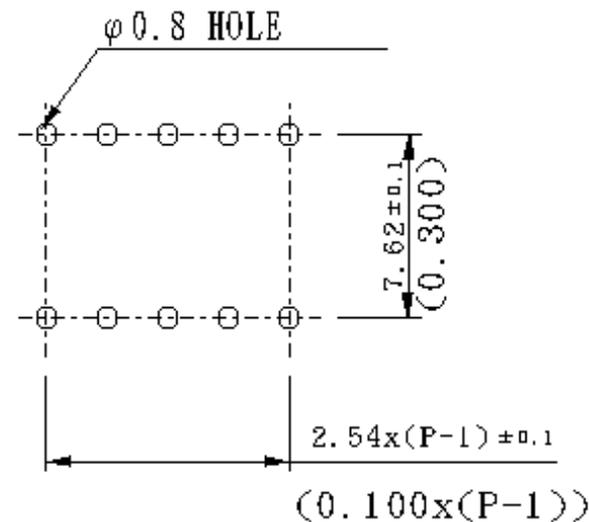
Dimension A

Positions	1	2	3	4	5	6
A	6.7 (0.264)	11.7 (0.461)	16.7 (0.657)	21.7 (0.854)	26.7 (1.05)	31.8 (1.25)

Unit:mm(inch)



P. C. B LAY OUT (TOP VIEW)



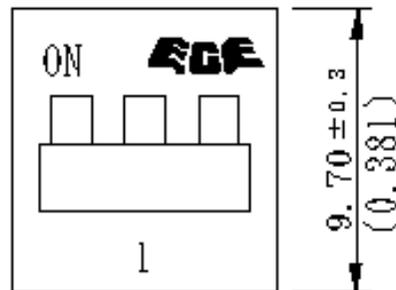
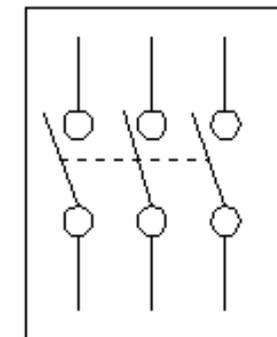
Dimension A

3PST

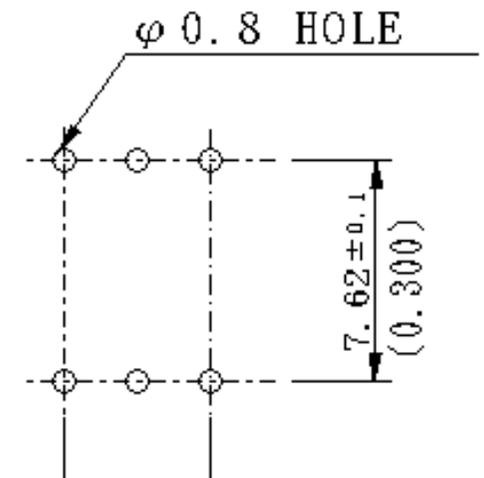
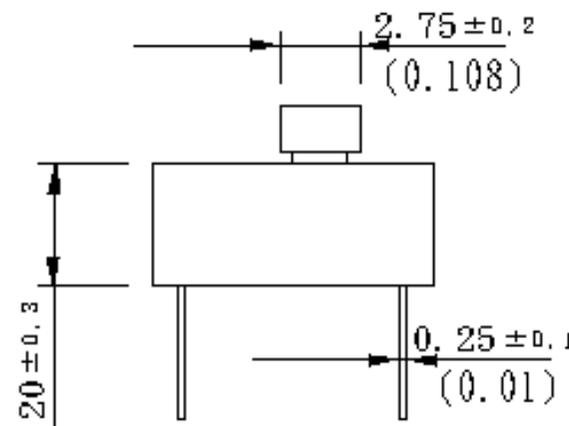
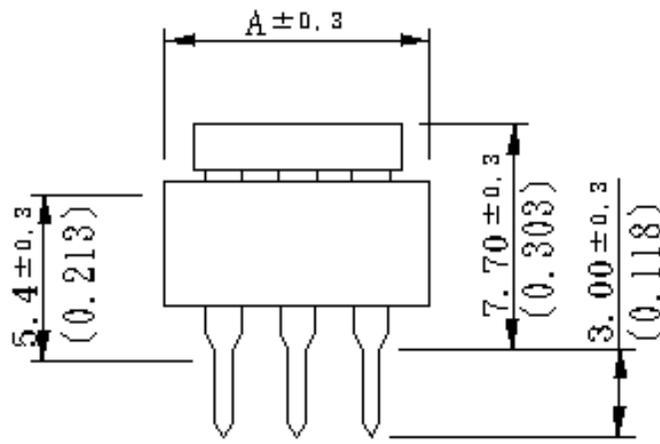


Positions	1	2	3	4	5
A	9.2 (0.362)	16.7 (0.657)	24.2 (0.953)	31.8 (1.25)	39.5 (1.555)

Unit: mm(inch)



P. C. B LAY OUT
(TOP VIEW)



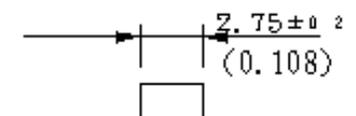
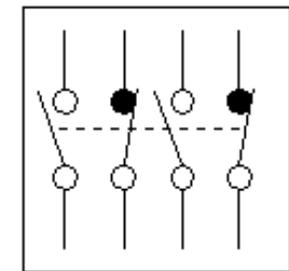
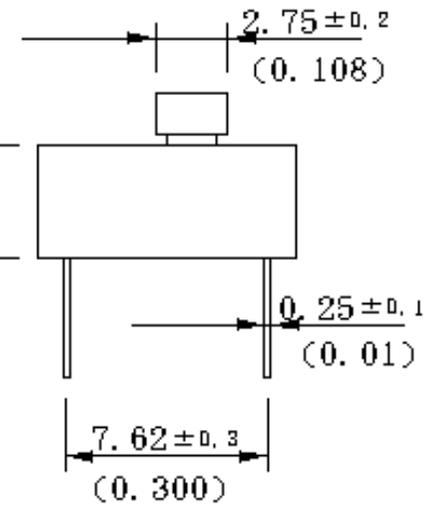
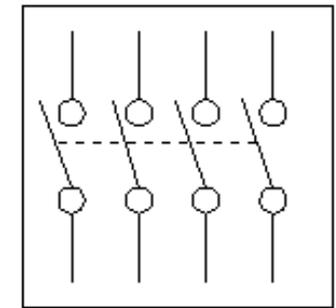
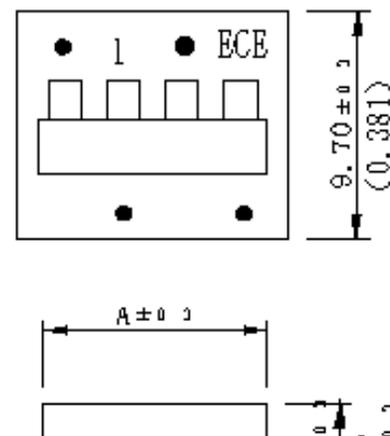
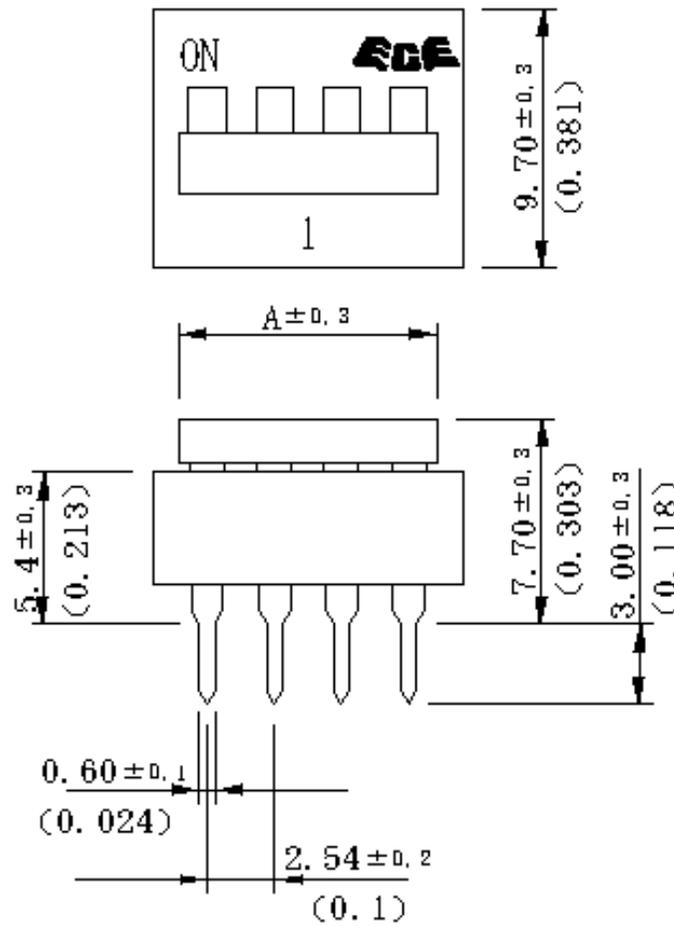
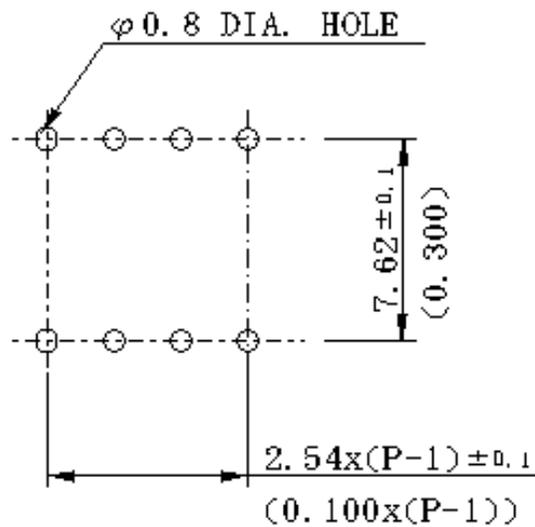
Dimension A 4PST. DPDT

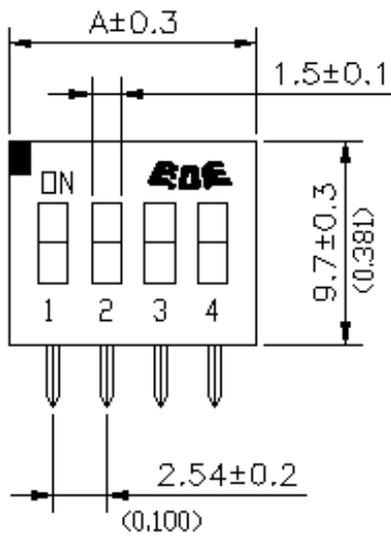
Positions	1	2	3
A	11.7 (0.461)	21.7 (0.854)	31.8 (1.25)

Unit:mm(inch)

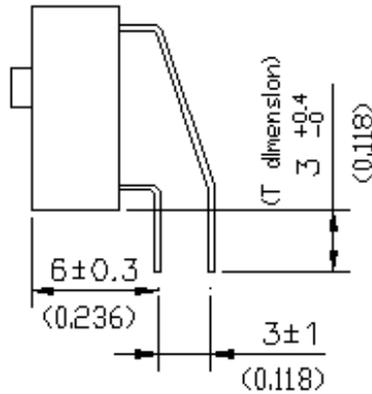


P.C.B LAY OUT (TOP VIEW)

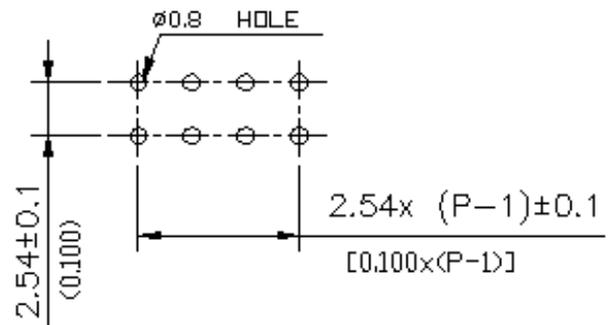




Right angle type



P.C.B LAY OUT FOR



** The 'T' dimension of the 1 position switch is 3.0 ± 0.2

Mobicon Holdings Limited
 7/F., New Trend Centre, 704 Prince Edward Road East, San Po Kong, Kowloon, Hong Kong.
 Tel: (852) 2397 6628 / 2397 8218; Fax: (852) 2397 0339 / 2397 8187
<http://www.mobicon.com>

MOBICON
 Electronic Components