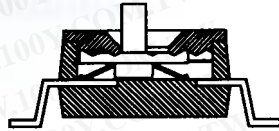
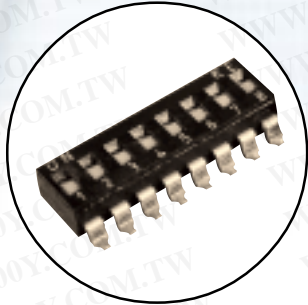


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DSIC Series

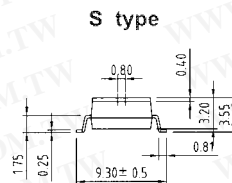
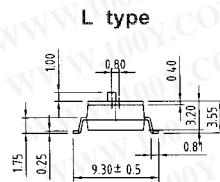
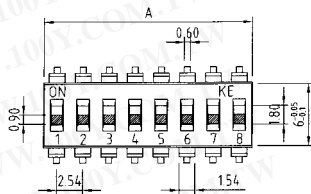
Surface Mount DIP SW



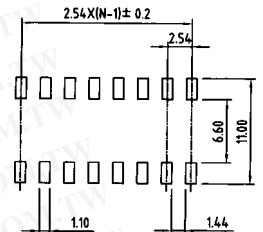
Features

- All materials are UL 94V-0 grade, high temperature resistance plastic.
- Twin contact design to ensure stable contact.
- Gold-plated contact to ensure low contact resistance, Tin plated terminals to prevent contamination during soldering.

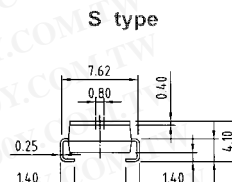
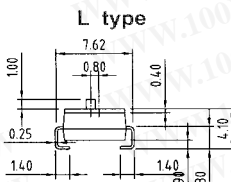
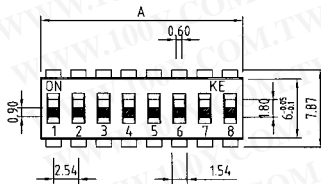
Dimensions (unit: mm)



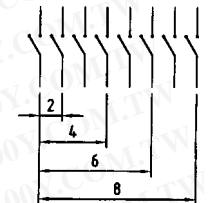
P.C.B. Layout (unit: mm)



J Bend



Circuitry



Dimension A:

No. of Positions		2	3	4	5	6
A	mm	5.08	7.62	10.16	12.7	15.24
	inch	0.2	0.3	0.4	0.5	0.6
No. of Positions		7	8	9	10	12
A	mm	17.78	20.23	22.86	25.4	30.48
	inch	0.7	0.8	0.9	1.0	1.2

Ratings:

Contact Rating

- Switching : 25mA at 24VDC
 Non-Switching : 100mA at 50VDC

Contact Resistance

- Initial : 50mΩ Max
 After life : 100mΩ Max

Insulation Resistance : 100mΩ Max, Min at 100VDC

Dielectric Strength : 500VAC for 60 seconds

Switch Capacitance : 5pF Max at 1MHZ

Operation Temperature : -30°C to +85°C

Storage Temperature : -40°C to +85°C

Material

Part Name	Material	Finished
Base	PPS UL94 V0	Black
Cover	PPS UL94 V0	Black
Actuator	Nylon UL94 V0	White
Movable	Copper Alloy	Gold/Tin
Terminal Contact	Brass	Gold/Tin
Terminal	Brass	Gold/Tin

Mechanical & Processing

- Operation Force : 1000gf Max
 Mechanical Life : 3000 cycles operations
 Resistance to Soldering : 250°C ±10°C for 10 seconds

Switch Operation and Taping

1. Use Tweezers or ball point pen for operation
2. Flux cleaning should be done without removing the Tape.
3. If the Tape is removed, it adhered less than before when it is placed back on, possibly causing flux inflow.
4. Sealed switches withstand aqueous, detergent and isopropyl alcohol washing.

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DSIC / DSPV Series

Environmental

Gold Testing

Switches under temperature at $-40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ for 96 hours

Dry Heat Testing

Switches under temperature at $85^{\circ}\text{C}\pm 2^{\circ}\text{C}$ for 96 hours

Humidity

Per MIL-STD-202F, Method 103B, Test Condition B:

There shall be no evidence of corrosion and the insulation resistance shall be no less than 100 megaohms.

Vibration:

Per MIL-STD-202F, Method 204D, Test Condition A:

There shall be no opening of closed contacts or closing of open contacts in excess of 10 microseconds.

Shock:

Per MIL-STD-202F, Method 213B, Test Condition A:

There shall be no opening of closed contacts or closing of open contacts in excess of 10 microseconds.

Thermal Shock:

Per MIL-STD-202F, Method 107G, Test Condition A:

There shall be no evidence of physical damage or permanent change in electrical characteristics.

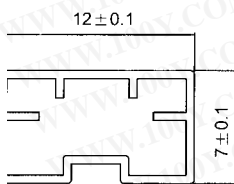
Salt-Spray Test

Per MIL-STD-202F, Method 101D, Test Condition B:

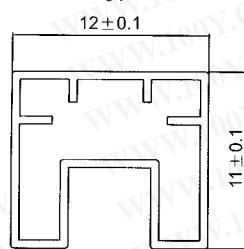
There are under $35\pm 2^{\circ}\text{C}$ in temperature and $5\pm 1\%$ salt-water concentration for 48 ± 1 hours.

Packing Specifications

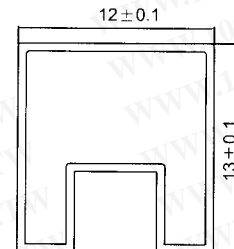
S Type Tube



A/H Type Tube

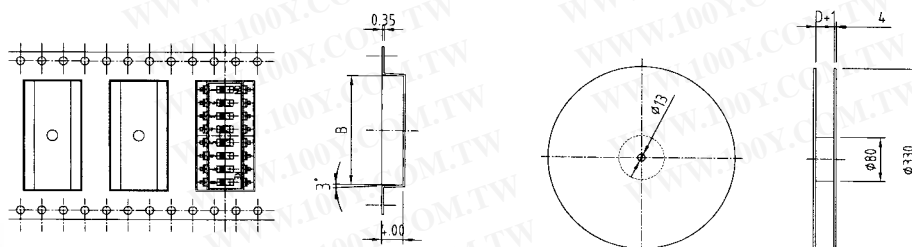


A/H/S Tube



Unit: Piece/per Tube

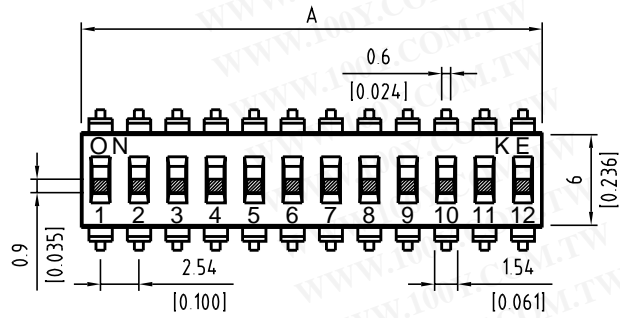
Package	Pole	2	3	4	5	6	7	8	9	10	12
Tube	Q'TY	100	66	50	40	33	28	25	22	20	16
Tube	Q'TY	83	58	42	35	30	26	23	20	18	15



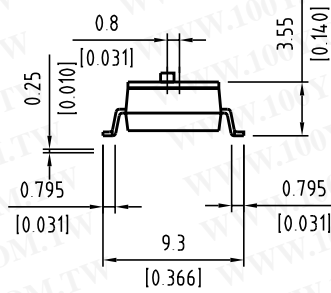
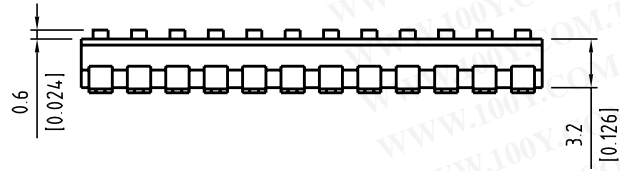
Unit: Piece/per Reel

Package	Pole	2	3	4	5	6	7	8	9	10	12
Reel	Q'TY	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

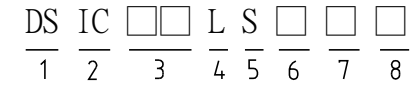
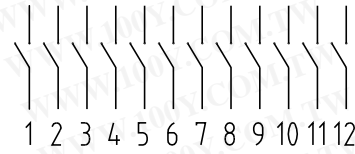
◆ DIMENSIONS



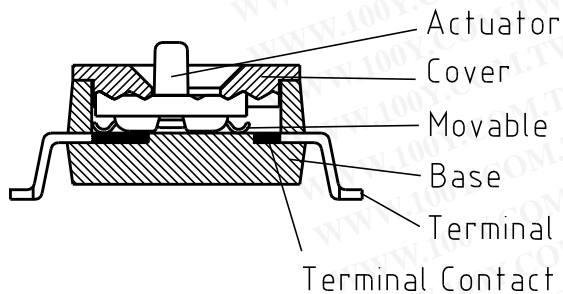
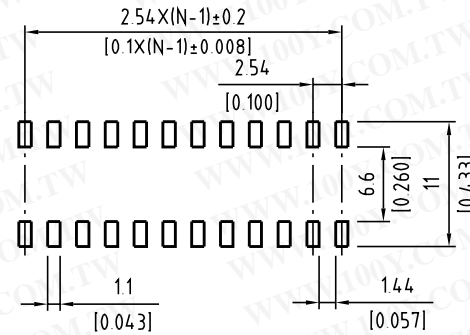
Poles(N)	A (mm)
01	2.54
02	5.08
03	7.62
04	10.16
05	12.70
06	15.24
07	17.78
08	20.32
09	22.86
10	25.40
12	30.48



◆ SCHEMATIC



◆ P.C.B LAYOUT



Part Name	Material	Finished
Base	PPS UL94 V0	Black
Cover	PPS UL94 V0	Black
Actuator	Nylon UL94 V0	White
Movable	Copper Alloy	Gold
Terminal Contact	Brass	Gold
Terminal	Brass	Gold / Tin

位置	内容	内容	表示
1	Series	DS	DIP Switch
2	Type	IC	IC Type
3	N Poles	01	POP
		02	POP
		03	POP
		04	POP
		05	POP
		06	POP
		07	POP
		08	POP
		09	POP
		10	POP
		12	POP
		4	Actuator
5	Terminal	S	SMD type
6	Finish	G	Full Gold
		S	Terminal-Tin plated
7	Finish	E	4μ" Gold-plated
		F	10μ" Gold-plated
		A	12μ" Gold-plated
		B	20μ" Gold-plated
		G	30μ" Gold-plated
8	Packing	R	Reel
		T	Tube

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Drawing	Date	03/04/01	Remark:
Design	Ratio	2:1	
Check	Unit	mm	
Approved			

Product	DSIC Series
P/N	DSIC□□LS□□□
Drawing No.	DSP-DSICXXLS-AP