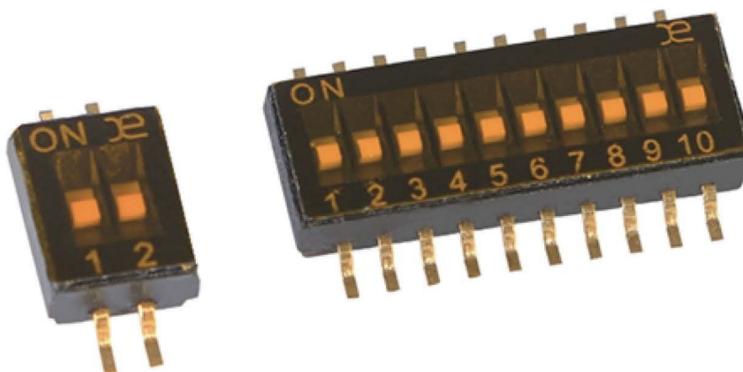


DS01 Series



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.

FEATURES

- ① Hyper-miniature DIP switch, surface mount device base on 1.27mm (0.05 inch) pitch
- ② Lowest contact resistance less than 50m
- ③ Twin contact design to ensure stable contact.
- ④ All materials are UL94V0 grade, high temperature resistant plastic.

PACKING

ALL DIP Switches Are Slipped In Standard IC Tubes Or Reel Package With All Poles In The "OFF" .

MATERIAL

Part Name	Material	Finished
Base	UL94V0(PPS)	Black
Cover	UL94V0(PPS)	Black
Actuator	UL94V0(PA46)	White
Movable	Beryllium	Gold/Tin
Terminal Contact	Brass	Gold/Tin
Terminal	Brass	Gold/Tin
Mylar	UL94V0	0.05MM

RATINGS

Contact Rating	Switching	25mA at 24VDC
	Non-Switching	100mA at 50VDC
Contact Resistance	Initial	50mΩ Max.
	After life	100mΩ Max.
	Insulation Resistance	100MΩ Min. 60sec at 500VDC
	Dielectric Strength	300V DC for 60 seconds
	Switch Capacitance	5pF Max. at 1M Hz
	Operation Temperature	-40°C~+85°C
	Storage Temperature	-40°C~+85°C
Mechanical & Processing	Operation Force	1000gf Max.
	Mechanical Life	3000 cycles operations
	Resistance to Soldering	260±5°C for 3-5 seconds
	Electrical Life	1000 cycles 25mA 24VDC

DIMENSIONS (UNIT:MM)

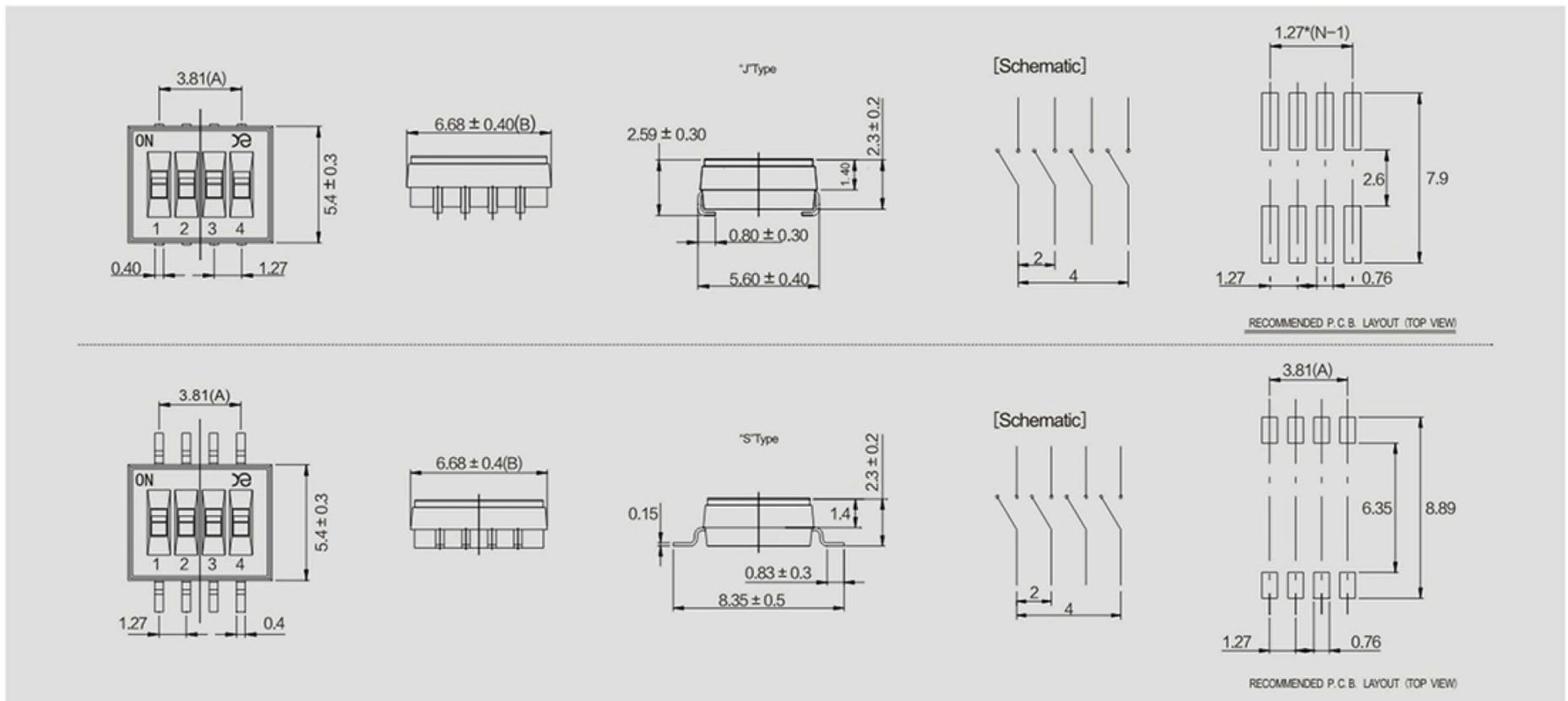
Gold/Gold Platedg Type P/N	Dimensions mm(inch)		Quantity per Tube
	A	B	
DS01-02TS/JGER	1.27(0.05)	4.14(0.16)	112
DS01-03TS/JGER	2.54(0.10)	5.41(0.21)	87
DS01-04TS/JGER	3.81(0.15)	6.68(0.26)	70
DS01-05TS/JGER	5.08(0.20)	7.95(0.31)	58
DS01-06TS/JGER	6.35(0.25)	9.22(0.36)	50
DS01-08TS/JGER	8.89(0.35)	11.76(0.46)	40
DS01-10TS/JGER	11.43(0.45)	14.30(0.56)	32

Piece/Tape & Reel : TS. . . . 2000PCS ; TJ. . . . 1700PCS

ORDER INFORMATION

DS01-	04	T	S	G	E	R
Half-Pitch	Positions: 02=2 Position 03=3 Position 08=8 Position	Terminal J=J lead S= SMD type	Finish G=Full Gold S=Contat-Gold-plated Tetminal-Tin Plated	Packing R=Tepe&Reel T=Tube		
		Actuator : L=Extension S=Low profile W/O Tape T=Tape sealed				

DRAGRAM



ENVIRONMENTAL TEST

Cold Resistance Test	Switches under temperature at $-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 96 hours.
Dry Heat Resistance Test	Switches under temperature at $85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 96 hours.
Humidity Test	Per MIL- STD- 202F,Method 103B,Test Condition B:
	There shall be on evidence of corrosion and the insulation resistance shall be no less than 100 megaohms.
Vibration Test	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 Test	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 Test	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 hour.