

## SPECIFICATIONS

SWITCH FUNCTION: SPST, 1 thru 12 positions.  
 CONTACT RATING: Switch : 25 mA @ 24VDC.  
 Carry : 100 mA @ 50VDC.  
 INSULATION RESISTANCE: 100M  $\Omega$  min @ 500 VDC.  
 CONTACT RESISTANCE: Initial : 50m  $\Omega$  @ 2-4VDC @ 100mA.  
 After Life : 100m  $\Omega$  @ 2-4VDC @ 100mA.  
 OPERATING LIFE: 2,000 make-and-break cycle each circuit.  
 OPERATING FORCE: 1000gf max.  
 TRAVEL, ACTUATOR: 2.0mm typical.

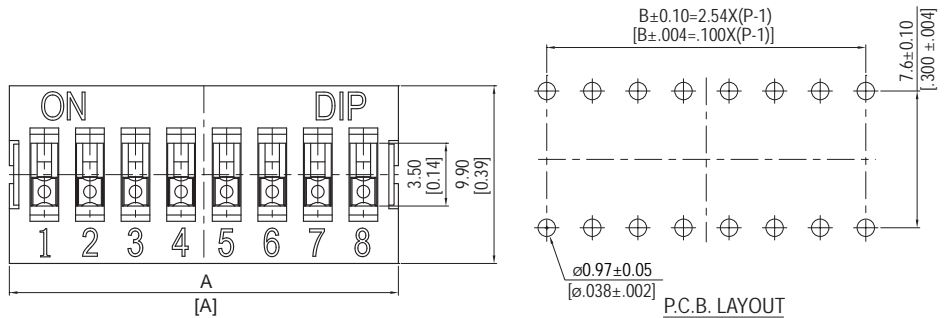
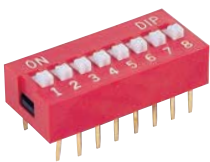
DIELECTRIC STRENGTH: 500 V RMS min @ sea level  
 between adjacent terminals.  
 CAPACITANCE: 5pf max. between adjacent terminals.  
 TEMPERATURE RANGE: Operating/Storage : -40° C to 85° C.  
 VIBRATION: To MIL-STD-202F. Method 201A.  
 SHOCK: To MIL-STD-202F. Method 213B, Condition A.  
 SOLDERING RECOMMENDATION: Wave : 500° F(260° C) for 5 sec  
 max. Hand : 30W soldering iron @ 608° F(320° C) for 2s typical. Keep all  
 switches in the "OFF" position during soldering and cleaning process.

## HOW TO ORDER

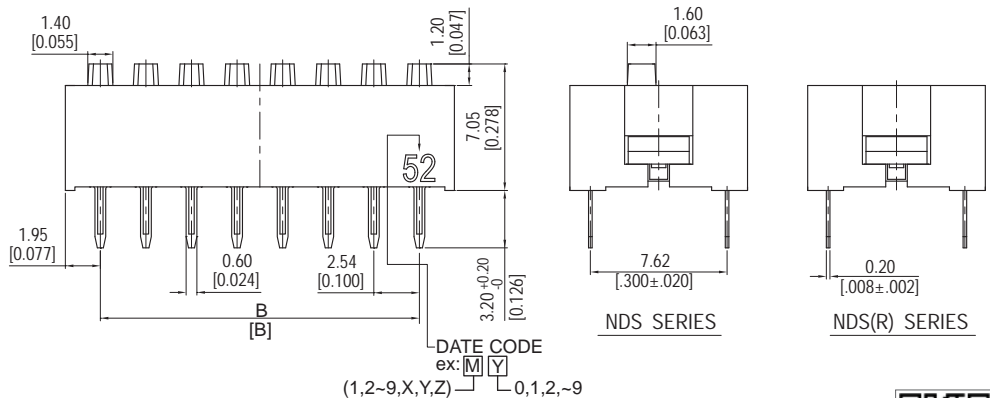
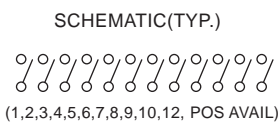
Model No.	Actuator	NO. of Positions	ON/OFF Positions	Seal
NDS DA	R=Recessed	01~10,12		T=Top Tape Sealed
DP	N=Short key L=Long key	02~10,12		

## MODEL OPTIONS

### 1 PC PIN



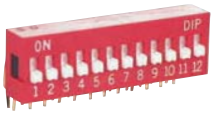
### NDS



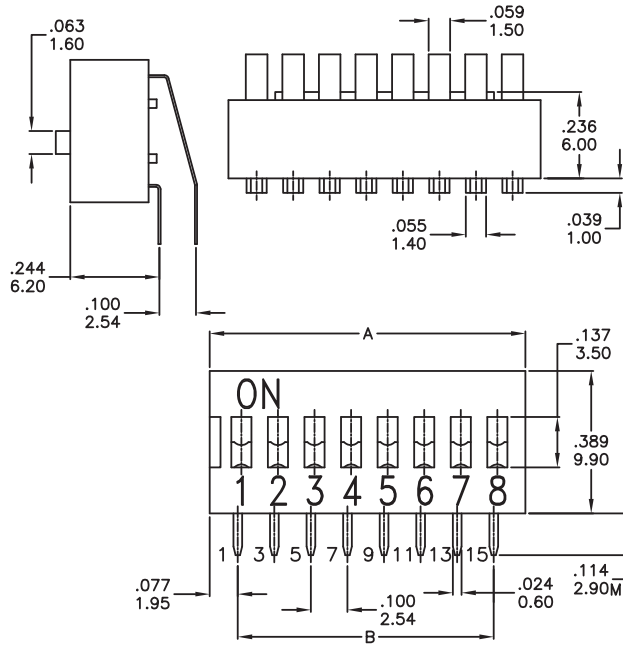
Position 1 denotes Pin NO. 1.



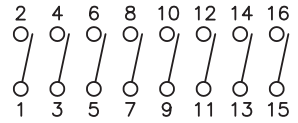
## 2 RIGHT ANGLE PC PIN



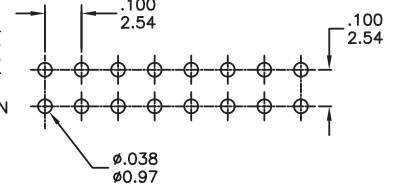
DA



### SCHEMATIC



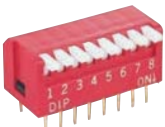
### P.C. MOUNTING



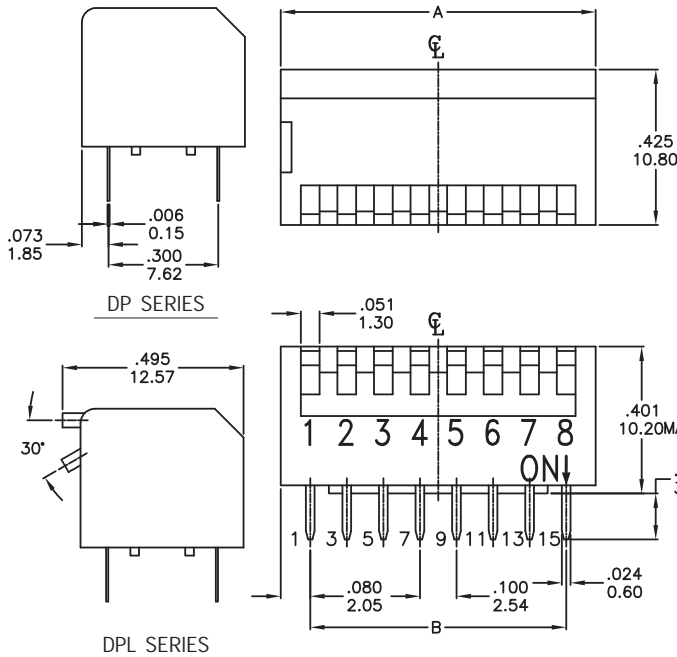
Position 1 denotes Pin NO. 1.

## 1 PC PIN

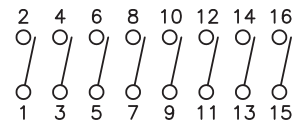
NDS DA DP  
Dip Switches



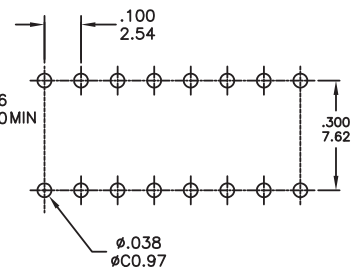
DP



### SCHEMATIC

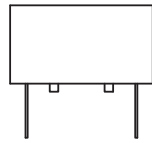


### PCB MOUNTING

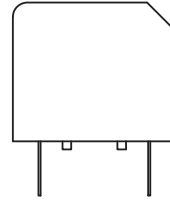


Position 1 denotes Pin NO. 1.

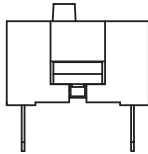
## ACTUATOR OPTIONS



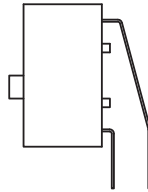
RECESSED\*



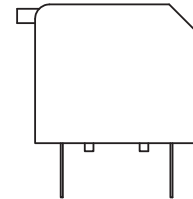
SHORT KEY  
TOPSIDE "ON"



EXTENDED\*



EXTENDED  
TOPSIDE "OFF"



LONG KEY  
TOPSIDE "ON"

**NDS**

**DA**

**DP**

## NUMBER OF POSITIONS

### NDS / DA TYPE

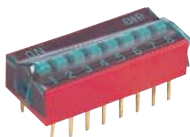
Positions	2	3	4	5	6	7	8	9	10	12
" A " Dimension	6.44 (.254)	8.98 (.354)	11.52 (.454)	14.06 (.554)	16.60 (.654)	19.14 (.754)	21.68 (.854)	24.22 (.954)	26.76 (1.054)	31.84 (1.254)
" B " Dimension	2.54 (.100)	5.08 (.200)	7.62 (.300)	10.16 (.400)	12.7 (.500)	15.24 (.600)	17.78 (.700)	20.32 (.800)	22.86 (.900)	27.94 (1.100)

### DP TYPE

Positions	2	3	4	5	6	7	8	9	10	12
" A " Dimension	6.64 (.261)	9.18 (.361)	11.72 (.461)	14.26 (.561)	16.8 (.661)	19.34 (.761)	21.88 (.861)	24.42 (.961)	26.96 (1.061)	32.04 (1.261)
" B " Dimension	2.54 (.100)	5.08 (.200)	7.62 (.300)	10.16 (.400)	12.7 (.500)	15.24 (.600)	17.78 (.700)	20.32 (.800)	22.86 (.900)	27.94 (1.100)

## SEAL OPTIONS

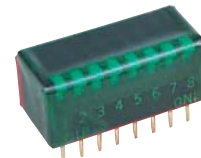
T TOP TAPE SEALED



**NDS**



**DA**



**DP**