

SPECIFICATIONS

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

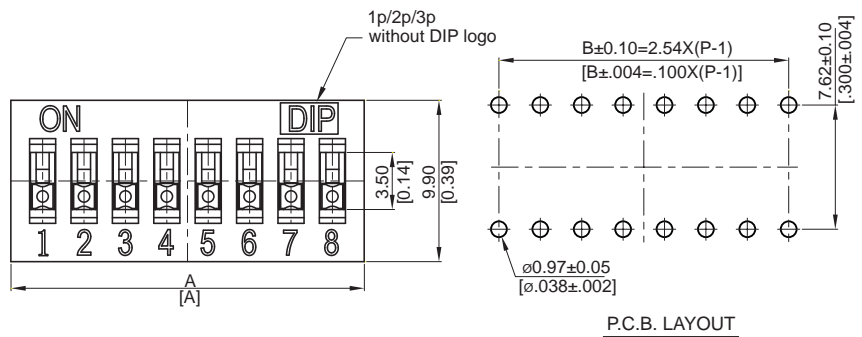
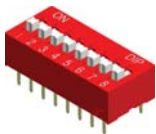
DIELECTRIC STRENGTH: 500 V RMS min @ sea level
 between adjacent terminals.
 CAPACITANCE: 5pf max. between adjacent terminals.
 TEMPERATURE RANGE: Operating/Storage : -40°C to 85°C.
 VIBRATION: To MIL-STD-202F. Method 201A.
 SHOCK: To MIL-STD-202F. Method 213B, Condition A.
 SOLDERING RECOMMENDATION: 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 Type | Number Of Position | Color of Cover | Seal | Lead Free Solderable |
|-------------------|---|--------------------------|----------------------------------|------------------------------------|----------------------|
| NDS NDA NDP | □ = Raised Actuator R = Recessed Actuator □ = Short Key L = Long Key | 01~10,12 02~10,12 | □ = Red B = Blue K = Black | □ = Regular T = Top Tape Sealed | V |

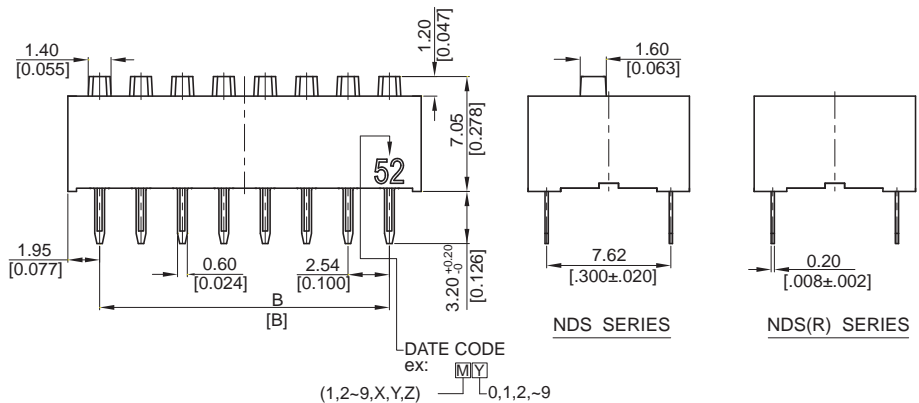
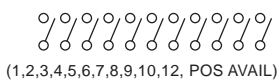
MODEL OPTIONS

1 PC PIN



NDS

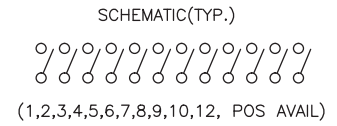
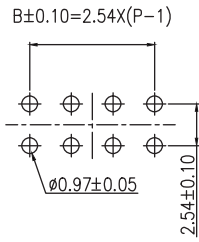
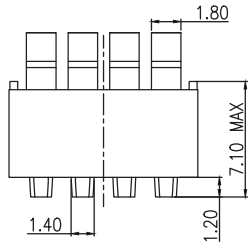
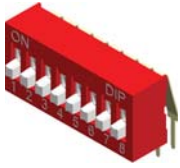
SCHEMATIC(TYP.)



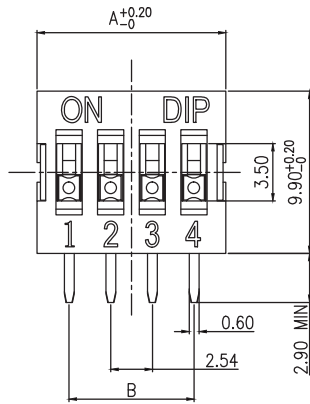
NDS NDA NDP Series

DIP Switches

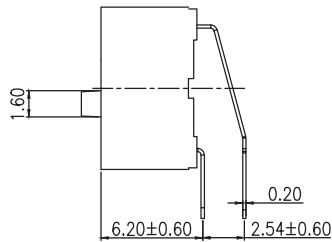
2 RIGHT ANGLE PC PIN



NDA

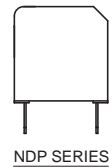
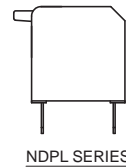
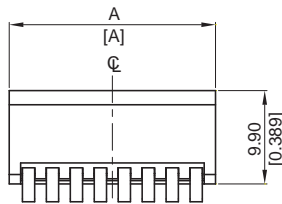
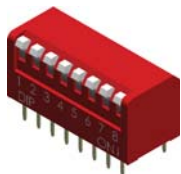


P.C.B. LAYOUT

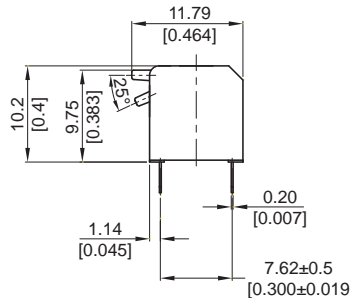
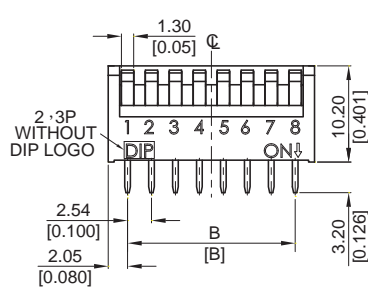


Position 1 denotes Pin NO. 1

1 PC PIN



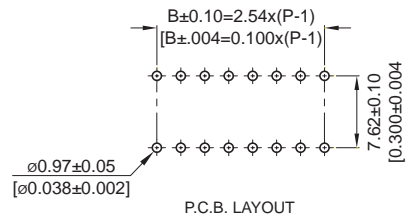
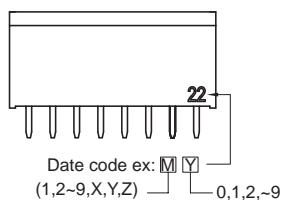
NDP



SCHMATIC(TYP.)

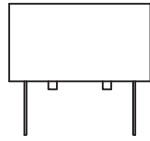


(2,3,4,5,6,7,8,9,10,12, POS AVAIL)

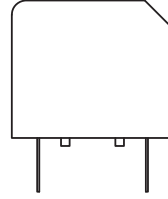


Position 1 denotes Pin NO. 1

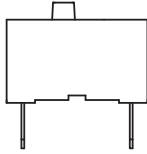
ACTUATOR OPTIONS



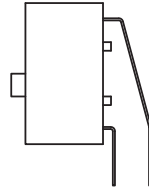
RECESSED*



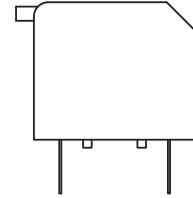
SHORT KEY
TOPSIDE "ON"



EXTENDED*



EXTENDED
TOPSIDE "OFF"



LONG KEY
TOPSIDE "ON"

NDS

NDA

NDP

NUMBER OF POSITIONS

NDS / NDA 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) |

NDP TYPE

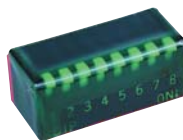
| Positions | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 |
|---------------|----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|-----------------|------------------|------------------|
| "A" Dimension | 6.64 (.261) | 9.18 (.361) | 11.72 (.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

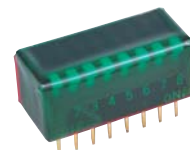
T TOP TAPE SEALED



NDS



NDA



NDP