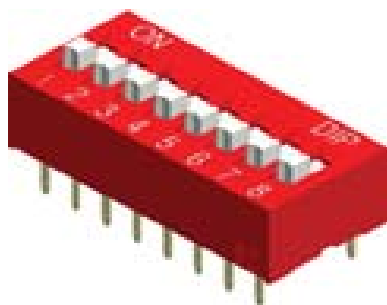




KSD

SWITCH CONNECTOR

KSD-NDS NDA NDP
DIP Switches



SPECIFICATIONS

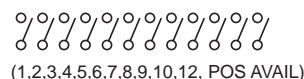
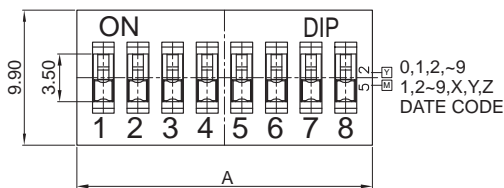
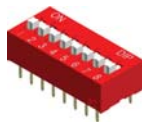
- SWITCH FUNCTION:** SPST, 1 thru 12 positions
- INSULATION RESISTANCE:** 100MΩ min @ 500 VDC
- CONTACT RESISTANCE:** Initial: 50mΩ @ 2-4VDC @ 100mA.
After life: 100mΩ @ 2-4VDC @ 100mA.
- OPERATING LIFE:** 2,000 make-and-break cycles each circuit.
- OPERATING FORCE:** 1000gf max.
- TRAVEL, ACTUATOR:** 2.0mm typical.
- DIELECTRIC STRENGTH:** 500V RMS min @ sea level
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	<input type="checkbox"/> Raised Actuator <input type="checkbox"/> R Recessed Actuator	01~10,12	<input type="checkbox"/> Red <input type="checkbox"/> B Blue <input type="checkbox"/> K Black	<input type="checkbox"/> Regular <input type="checkbox"/> T Top tape sealed	V
NDP	<input type="checkbox"/> Short Key <input type="checkbox"/> L Long Key	02~10,12			

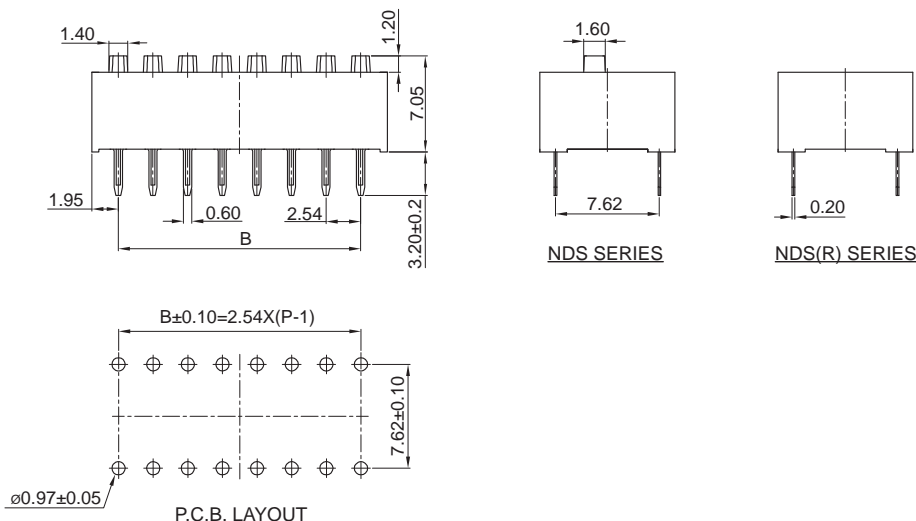
MODEL OPTIONS

1 PC PIN



SCHEMATIC(TYP.)

NDS



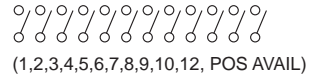
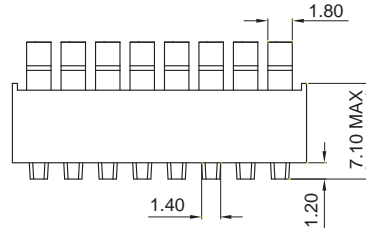
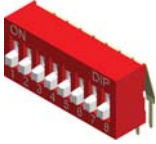
Note: Position 1 denotes Pin NO. 1

KSD-NDS NDA NDP Series

DIP Switches

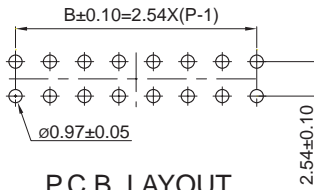
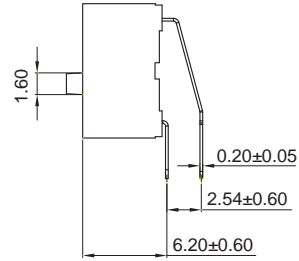
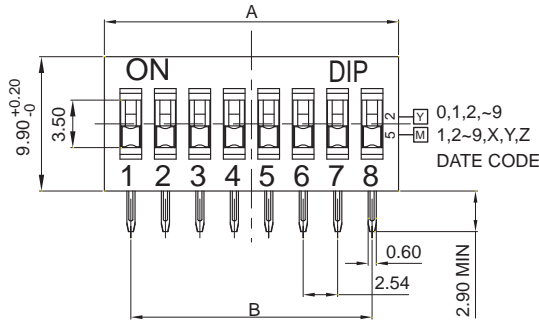
KSD-NDS NDA NDP
DIP Switches

2 RIGHT ANGLE
PC PIN



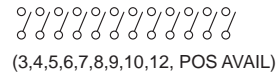
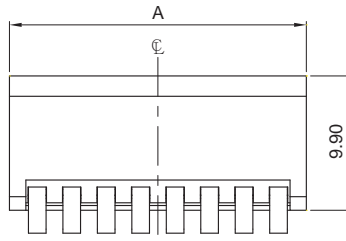
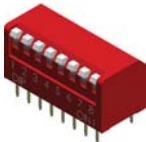
SCHEMATIC(TYP.)

NDA



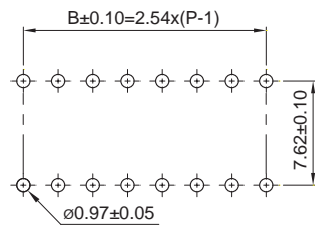
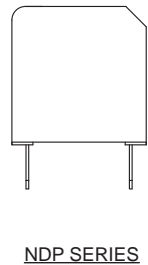
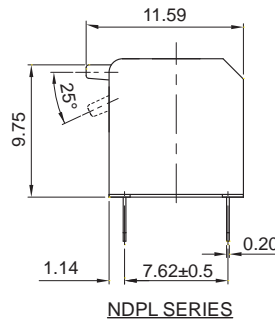
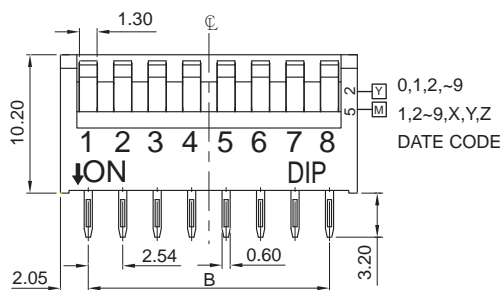
Note: Position 1 denotes Pin NO. 1

1 PC PIN



SCHEMATIC(TYP.)

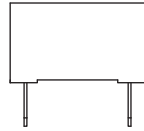
NDP



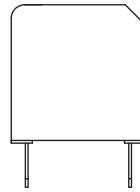
Note: Position 1 denotes Pin NO. 1



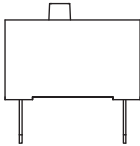
▼ ACTUATOR OPTIONS



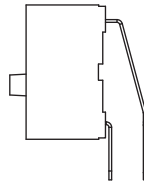
RECESSED*



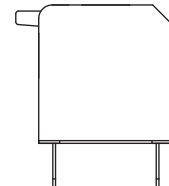
SHORT KEY
TOPSIDE "OFF"



EXTENDED*



EXTENDED
TOPSIDE "ON"



LONG KEY
TOPSIDE "OFF"

NDS

NDA

NDP

▼ NUMBER OF POSITIONS

NDS / NDA TYPE

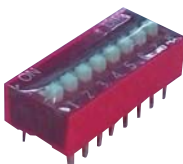
Positions	2	3	4	5	6	7	8	9	10	12
"A" Dimension	6.44 (.254)	8.98 (.354)	11.52 (.454)	14.06 (.554)	16.60 (.654)	19.14 (.754)	21.68 (.854)	24.22 (.954)	26.76 (1.054)	31.84 (1.254)
"B" Dimension	2.54 (.100)	5.08 (.200)	7.62 (.300)	10.16 (.400)	12.7 (.500)	15.24 (.600)	17.78 (.700)	20.32 (.800)	22.86 (.900)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

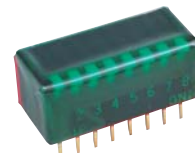
T TOP TAPE SEALED



NDS



NDA



NDP