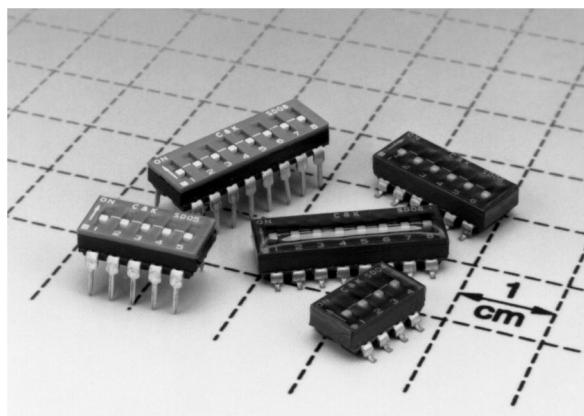


SD Series Low Profile DIP Switches



Features/Benefits

- Low profile design saves space
- Thru-hole and surface mount models
- With or without tape seal
- Tape and reel packaging available

Typical Applications

- Address switch for industrial controls
- Logic switching for computers and peripherals
- Function controlling for numerous applications

How To Order

Complete part numbers for SD Series Low Profile DIP Switches are shown on pages D-8 thru D-11. All switches supplied in 'OFF' position in rigid dispensing tubes or tape and reel packaging.

Specifications

SWITCH FUNCTION: SPST - 2, 3, 4, 5, 6, 7, 8, 9, 10 & 12 positions.

CONTACT RATING:

Carry: 100 mA @ 50 V DC max.

Switch: 0.1 mA @ 5 V DC min. to 100 mA @ 20 V DC max.

MECHANICAL & ELECTRICAL LIFE: 2,000 make-and-break cycles at full load, each circuit.

CONTACT RESISTANCE: Below 50 milliohms typ. initial @ 2-4 V DC, 100 mA.

INSULATION RESISTANCE: 10^9 ohms min.

DIELECTRIC STRENGTH: 500 V RMS min. @ sea level between adjacent terminals.

STORAGE TEMPERATURE: -40°C to 85°C .

OPERATING TEMPERATURE: -20°C to 85°C .

PACKAGING: Thru-hole switches supplied in rigid dispensing tubes. Surface mount switches available in tape and reel packaging, see page L-38 for drawings and reel information. Switch position 1 denotes pin no. 1. All switch actuators in 'OFF' position, standard.

Materials

CASE & COVER: Thru-hole: Polyester (PBT). Surface mount: (PPA), flame retardant (UL 94V-0).

ACTUATOR: Nylon, flame retardant (UL 94V-0).

CONTACTS: Copper alloy, with gold plate.

TERMINALS: Copper alloy, with tin-lead alloy plate.

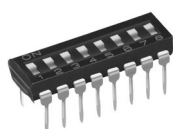
TERMINAL SEAL: All terminals insert molded.

TAPE SEAL: Polyester. Also available unsealed, without top tape.

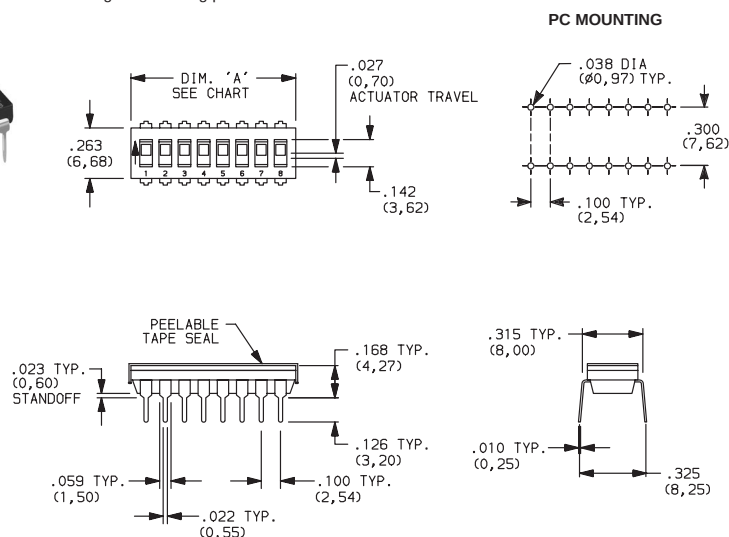
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Sealed Flush Actuator—With Top Tape, Thru-hole Terminals

Process sealed—withstands soldering and cleaning processes



SD08H0K
SPST



PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H0K	2	.258 (6,55)	85
SD03H0K	3	.358 (9,09)	60
SD04H0K	4	.458 (11,63)	45
SD05H0K	5	.558 (14,17)	40
SD06H0K	6	.658 (16,71)	30
SD07H0K	7	.758 (19,25)	25
SD08H0K	8	.858 (21,79)	25
SD09H0K	9	.958 (24,33)	20
SD10H0K	10	1.058 (26,87)	20
SD12H0K	12	1.258 (31,95)	15

Schematic

SPST

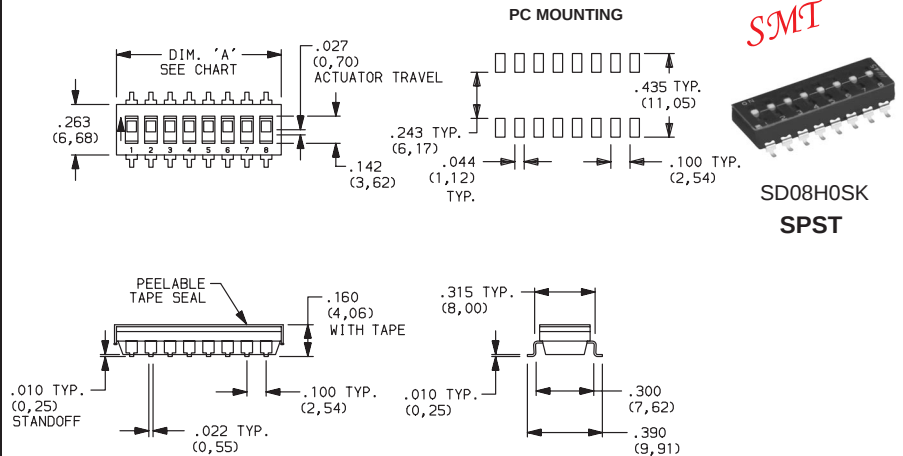
Sealed Flush Actuator—With Top Tape, Surface Mount Terminals

Process sealed—withstands soldering and cleaning processes

PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H0SK	2	.258 (6,55)	85
SD03H0SK	3	.358 (9,09)	60
SD04H0SK	4	.458 (11,63)	45
SD05H0SK	5	.558 (14,17)	40
SD06H0SK	6	.658 (16,71)	30
SD07H0SK	7	.758 (19,25)	25
SD08H0SK	8	.858 (21,79)	25
SD09H0SK	9	.958 (24,33)	20
SD10H0SK	10	1.058 (26,87)	20
SD12H0SK	12	1.258 (31,95)	15

Schematic

SPST

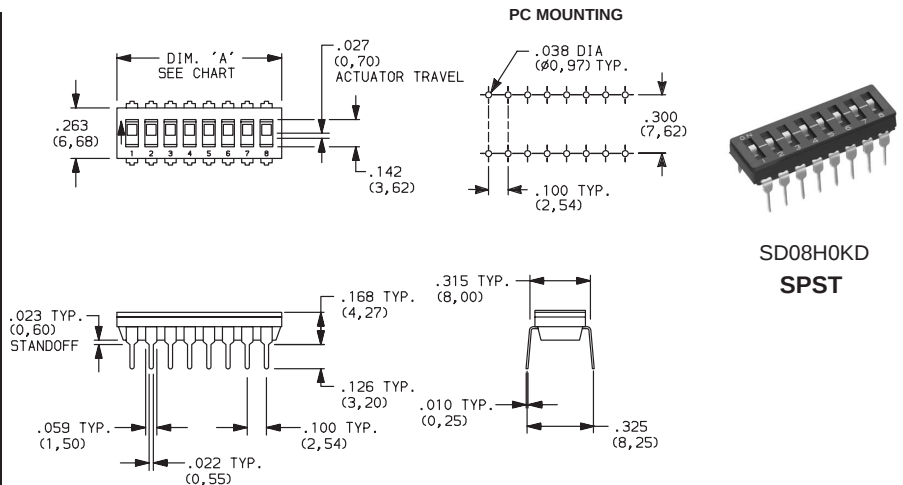


Unsealed Flush Actuator—No Tape, Thru-hole Terminals

PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H0KD	2	.258 (6,55)	85
SD03H0KD	3	.358 (9,09)	60
SD04H0KD	4	.458 (11,63)	45
SD05H0KD	5	.558 (14,17)	40
SD06H0KD	6	.658 (16,71)	30
SD07H0KD	7	.758 (19,25)	25
SD08H0KD	8	.858 (21,79)	25
SD09H0KD	9	.958 (24,33)	20
SD10H0KD	10	1.058 (26,87)	20
SD12H0KD	12	1.258 (31,95)	15

Schematic

SPST

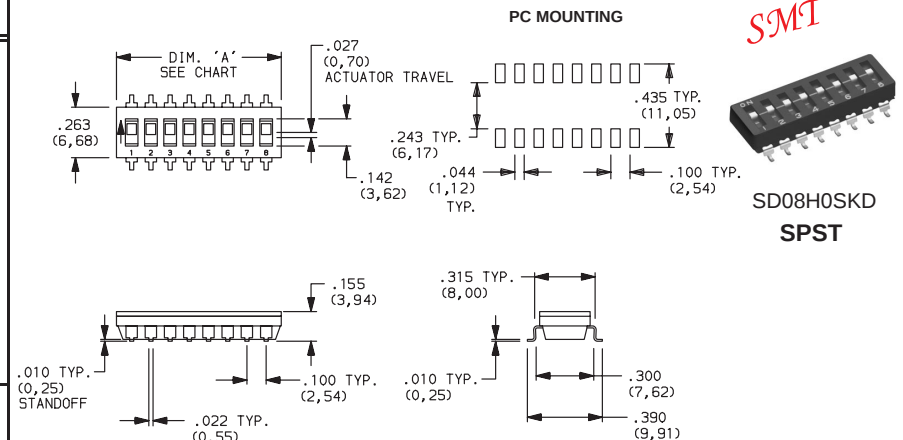


Unsealed Flush Actuator—No Tape, Surface Mount Terminals

PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H0SKD	2	.258 (6,55)	85
SD03H0SKD	3	.358 (9,09)	60
SD04H0SKD	4	.458 (11,63)	45
SD05H0SKD	5	.558 (14,17)	40
SD06H0SKD	6	.658 (16,71)	30
SD07H0SKD	7	.758 (19,25)	25
SD08H0SKD	8	.858 (21,79)	25
SD09H0SKD	9	.958 (24,33)	20
SD10H0SKD	10	1.058 (26,87)	20
SD12H0SKD	12	1.258 (31,95)	15

Schematic

SPST

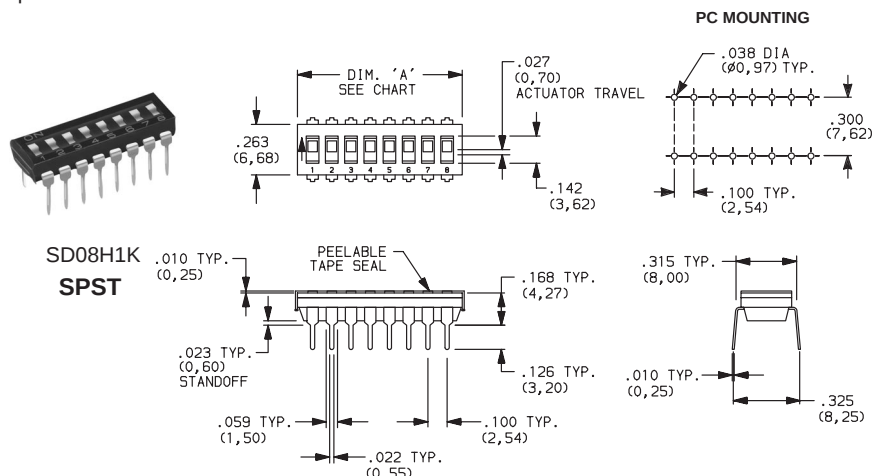


SD Series Low Profile DIP Switches



Sealed Extended Actuator—With Top Tape, Thru-hole Terminals

Splash resistant



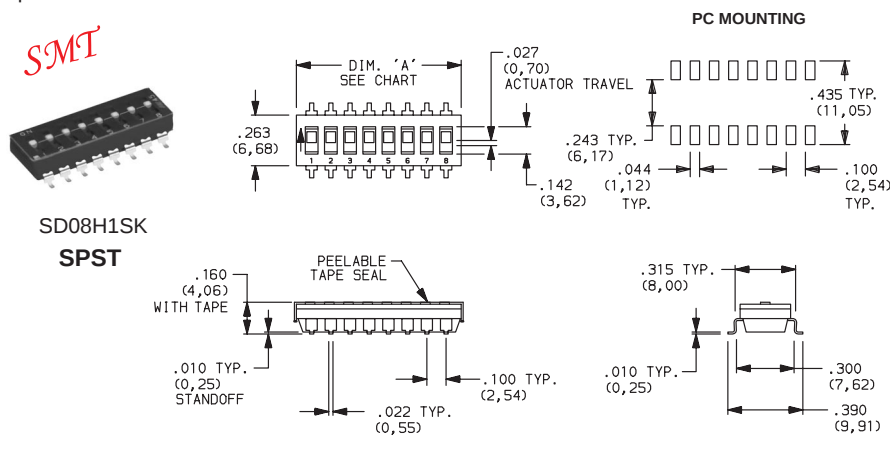
PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H1K	2	.258 (6,55)	85
SD03H1K	3	.358 (9,09)	60
SD04H1K	4	.458 (11,63)	45
SD05H1K	5	.558 (14,17)	40
SD06H1K	6	.658 (16,71)	30
SD07H1K	7	.758 (19,25)	25
SD08H1K	8	.858 (21,79)	25
SD09H1K	9	.958 (24,33)	20
SD10H1K	10	1.058 (26,87)	20
SD12H1K	12	1.258 (31,95)	15

Schematic



Sealed Extended Actuator—With Top Tape, Surface Mount Terminals

Splash resistant

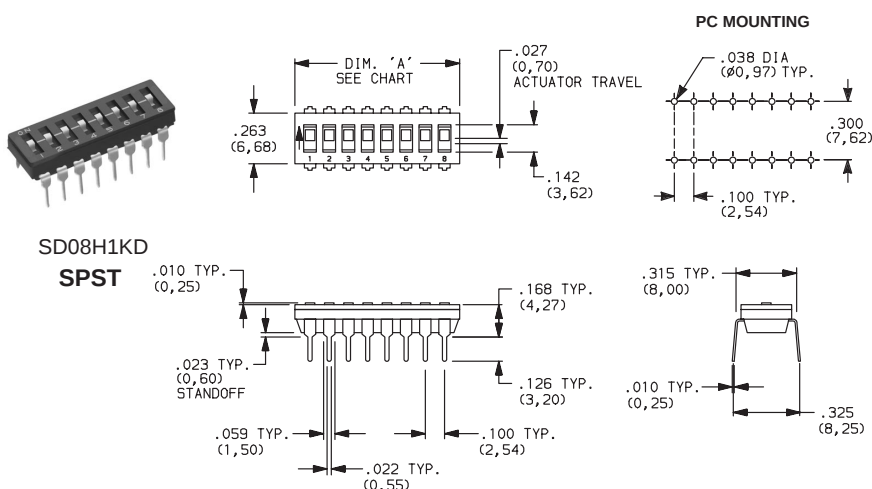


PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H1SK	2	.258 (6,55)	85
SD03H1SK	3	.358 (9,09)	60
SD04H1SK	4	.458 (11,63)	45
SD05H1SK	5	.558 (14,17)	40
SD06H1SK	6	.658 (16,71)	30
SD07H1SK	7	.758 (19,25)	25
SD08H1SK	8	.858 (21,79)	25
SD09H1SK	9	.958 (24,33)	20
SD10H1SK	10	1.058 (26,87)	20
SD12H1SK	12	1.258 (31,95)	15

Schematic



Unsealed Extended Actuator—No Tape, Thru-hole Terminals



PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H1KD	2	.258 (6,55)	85
SD03H1KD	3	.358 (9,09)	60
SD04H1KD	4	.458 (11,63)	45
SD05H1KD	5	.558 (14,17)	40
SD06H1KD	6	.658 (16,71)	30
SD07H1KD	7	.758 (19,25)	25
SD08H1KD	8	.858 (21,79)	25
SD09H1KD	9	.958 (24,33)	20
SD10H1KD	10	1.058 (26,87)	20
SD12H1KD	12	1.258 (31,95)	15

Schematic

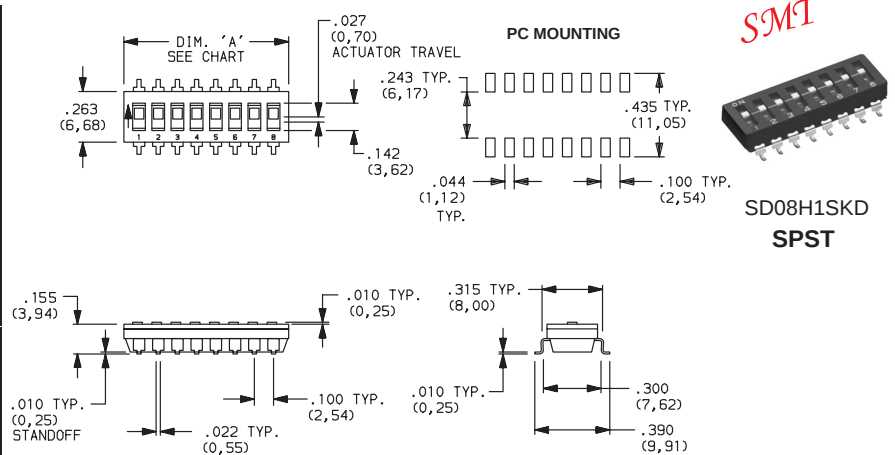


Unsealed Extended Actuator—No Tape, Surface Mount Terminals

PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE
SD02H1SKD	2	.258 (6,55)	85
SD03H1SKD	3	.358 (9,09)	60
SD04H1SKD	4	.458 (11,63)	45
SD05H1SKD	5	.558 (14,17)	40
SD06H1SKD	6	.658 (16,71)	30
SD07H1SKD	7	.758 (19,25)	25
SD08H1SKD	8	.858 (21,79)	25
SD09H1SKD	9	.958 (24,33)	20
SD10H1SKD	10	1.058 (26,87)	20
SD12H1SKD	12	1.258 (31,95)	15

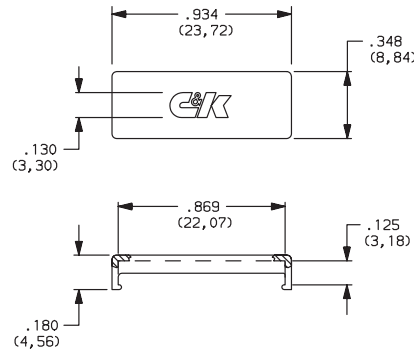
Schematic

SPST



Protective Cover *New!*

A snap-on thermoplastic cover is available for all SD08 models. The cover is designed to prevent accidental actuation of the switch. It is not a seal and should not be used during soldering and cleaning processes.



Part number: 678501000