

SDE Series

Low Profile End-Stackable Surface Mount DIP Switches



Description

Introducing our end-stackable DIP switch series, engineered for space-saving flexibility in compact designs. The modular side-by-side stacking concept allows easy configuration expansion while ensuring reliable, precise switching performance—ideal for scalable industrial and electronic applications.

Features & Benefits

- End stackable for standard 0.1" integrated circuit pitch
- Molded 0.3" integrated circuit packing outline allowing automatic insertion.
- Top tape sealed to support washable processing
- All Plastics are UL 94V-0 grade fire retardant
- RoHS compliant and Halogen Free.

Applications

- Industrial Control Equipment
- Security and Fire Systems
- Garage Door Systems
- IoT Devices

Specifications

Switch Function	SPST – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12 positions
Contact Rating	24 V DC, 25 mA (switching) 100 mA (Non-switching)
Packaging	Tube Tape and Reel

Electrical & Mechanical Characteristics

Mechanical and Electrical Life	1,000 cycles
Contact Resistance	100 mΩ max.
Insulation Resistance	100M Ω @ 100 V DC min.
Dielectric Strength	500V DC min. for 60s
Operating Force	800g max

Environmental Characteristics

Storage Temperature	-40°C to 85°C
Operating Temperature	
MSL	1

Process

Soldering	Reference standard: IPC/JEDEC J-STD-020D
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Materials

Case & Cover	PPS (UL 94 V-0)
Actuator	LCP (UL 94 V-0)
Contacts	Copper alloy with gold plate over nickel plate.
Terminals	Copper alloy, with gold flash over nickel plate. All terminals are insert molded.
Tape Seal	Polyimide

Note: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center. All switches supplied in "OFF" position.

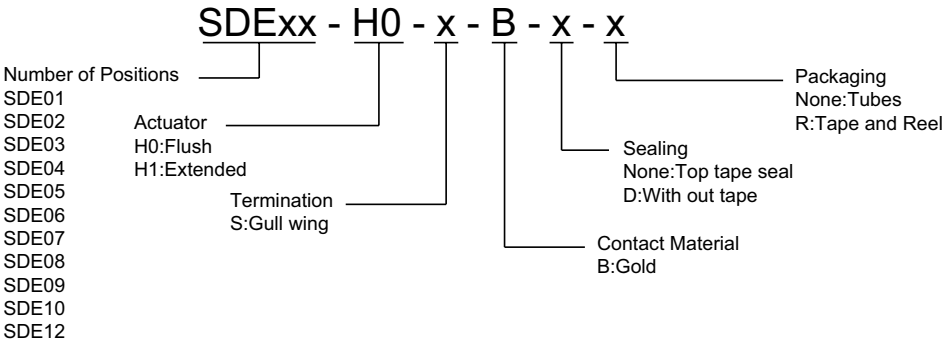
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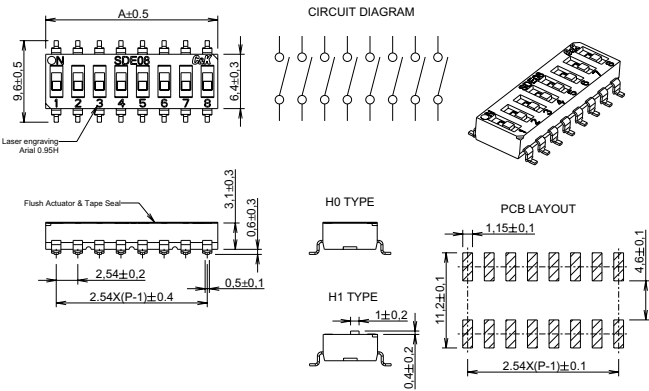


Ordering Number

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box. All switches supplied in "OFF" position.



Dimension (mm) and PN List



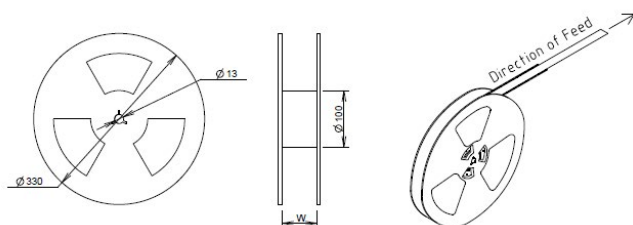
PART NUMBER	DESCRIPTION	NO.OF POS.	DIM "A"
G01939283	SDE01H0SBR	1	2.5
G01939284	SDE02H0SBR	2	5.04
G01939285	SDE03H0SBR	3	7.58
G01939286	SDE04H0SBR	4	10.12
G01939287	SDE05H0SBR	5	12.66
G01939288	SDE06H0SBR	6	15.2
G01939289	SDE07H0SBR	7	17.74
G01939290	SDE08H0SBR	8	20.28
G01939291	SDE09H0SBR	9	22.82
G01939292	SDE10H0SBR	10	25.36
G01939293	SDE12H0SBR	12	30.43
G01939294	SDE01H1SBDR	1	2.5
G01939295	SDE07H1SBDR	7	17.74
G01939296	SDE08H1SBDR	8	20.28
G01939297	SDE09H1SBDR	9	22.82
G01939298	SDE10H1SBDR	10	25.36
G01939299	SDE12H1SBDR	12	30.43
G01939300	SDE07H1SBD	7	17.74
G01939301	SDE08H1SBD	8	20.28
G01939302	SDE09H1SBD	9	22.82
G01939303	SDE10H1SBD	10	25.36
G01939304	SDE12H1SBD	12	30.43

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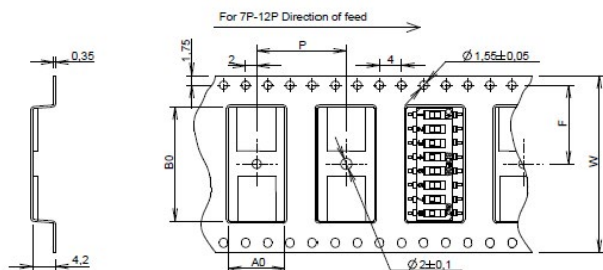
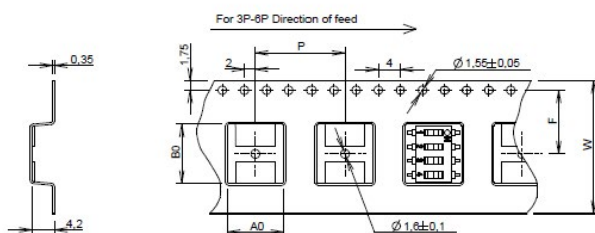
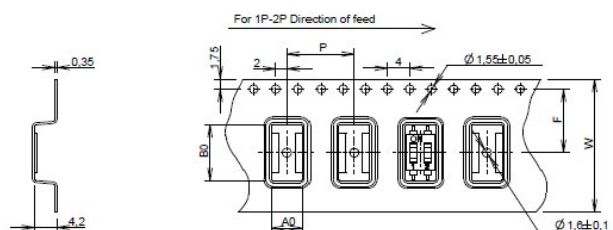
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Packaging Details - Tape & Reel



NO. OF POS.	A0±0.1	B0±0.1	P±0.1	F±0.1	W±0.3	QTY/Reel
1	3	10	8	11.5	24	2000
2	5.6	10	12	11.5	24	1300
3	10	8	16	7.5	16	1000
4	10	10.6	16	11.5	24	1000
5	10	13.1	16	11.5	24	1000
6	10	15.7	16	11.5	24	1000
7	10	18.18	16	14.2	32	1000
8	10	20.7	16	14.2	32	1000
9	10	23.26	16	20.25	44	1000
10	10	25.8	16	20.25	44	1000
12	10	30.9	16	20.25	44	1000



Range	Tolerance
0~1	±0.1
1~4	±0.3
4~16	±0.5
16~	±1.0

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