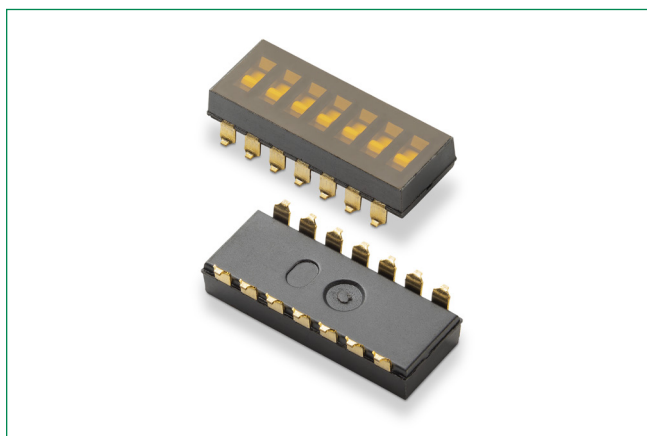


SDA Series

Low Profile DIP Switches



Specifications

Contact Rating	25 mA @ 24 VDC or 100 mA @ 5V DC
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Mechanical Specifications

Mechanical and Electrical Life	1,000 cycles at rated loads
Contact Resistance	50 mΩ max. initial
Insulation Resistance	100M Ω between terminals
Dielectric Withstanding Voltage	300 V DC min. for 1 minute

Environmental Specifications

Storage Temperature	-40°C to 85°C
Operating Temperature	
Operating Force	800 grams max.

Process

Soldering	Dip and look solderability testing per C&K spec. #448. Unplated edges of terminals permitted.
Packaging	Switches supplied in rigid dispensing tubes in full tube quantities only, this may affect order quantity. Numbers of switches per tube varies with model. Tape and reel packaging also available for surface mount options.

Description

SDA series low profile DIP switches are used by designers as address switches for industrial controls, for logic switching in computers and peripherals, and for function controlling in numerous additional applications. The low-profile design of the switches save space and are available in thru-hole and surface mount models, with tape and reel packaging available.

Features & Benefits

- Low profile design saves space
- Thru-hole and surface mount models
- Tape and reel packaging available
- RoHS compliant

Applications

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

Materials

Housing & Cover	PPS, color black (UL94V-0)
Actuator	PA6T (UL94-0)
Contacts	Gold plated Beryllium copper
Terminals	Gold plate over nickel plated brass
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. For Tin Lead options consult customer service center.

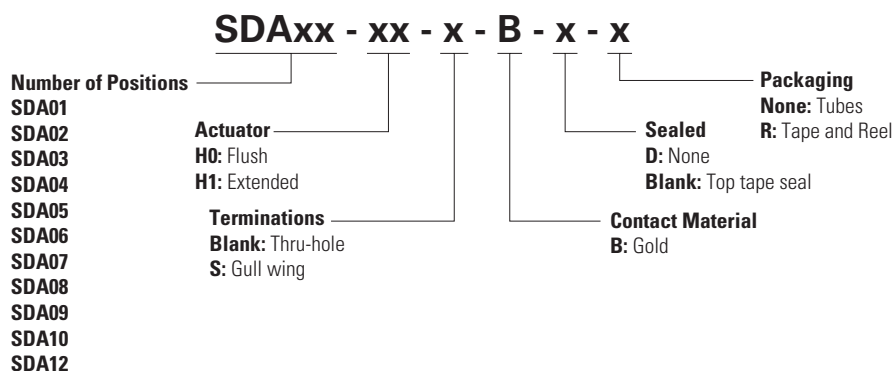
SDA Series

Low Profile DIP Switches



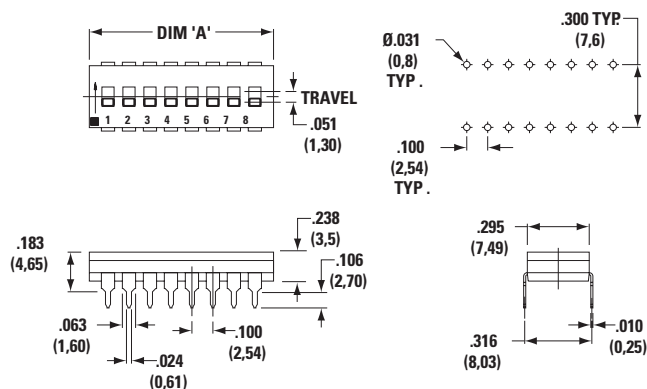
Ordering Number

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.



Flush Actuator – No Tape, Thru-hole Terminals

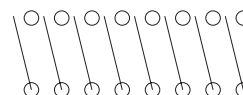
SDA08H0BD



Notes: SDA 01 options are 4,25mm thick

ROHS Part #	No. Pos.	DIM 'A'	Quantity per Tube
SDA01H0BD	1	0.178 (4.52)	100
SDA02H0BD	2	0.278 (7.06)	60
SDA03H0BD	3	0.378 (9.60)	45
SDA04H0BD	4	0.476 (12.10)	35
SDA05H0BD	5	0.578 (14.68)	30
SDA06H0BD	6	0.676 (17.18)	25
SDA07H0BD	7	0.778 (19.76)	20
SDA08H0BD	8	0.876 (22.26)	20
SDA09H0BD	9	0.978 (24.84)	15
SDA10H0BD	10	1.076 (27.34)	15
SDA12H0BD	12	1.279 (32.50)	14

Schematic SPST



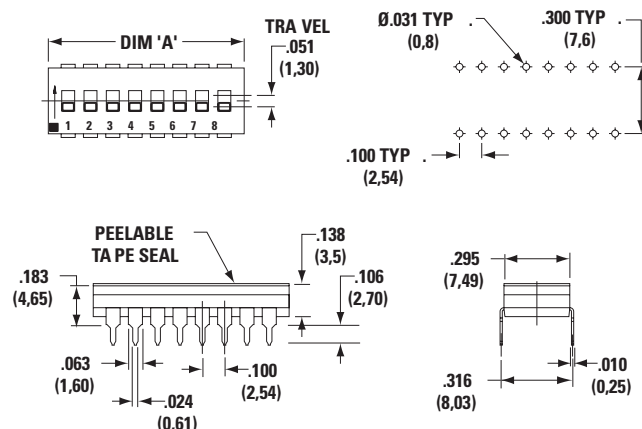
SDA Series

Low Profile DIP Switches



Flush Actuator – With Top Tape, Thru-hole Terminals

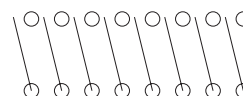
SDA08H0B



Notes: SDA 01 options are 4,25mm thick

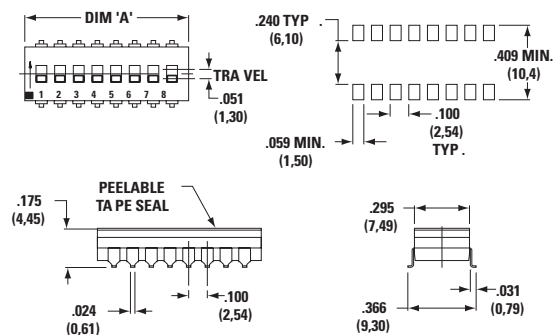
ROHS Part #	No. Pos.	DIM 'A'	Quantity per Tube
SDA01H0B	1	0.178 (4.52)	100
SDA02H0B	2	0.278 (7.06)	60
SDA03H0B	3	0.378 (9.60)	45
SDA04H0B	4	0.476 (12.10)	35
SDA05H0B	5	0.578 (14.68)	30
SDA06H0B	6	0.676 (17.18)	25
SDA07H0B	7	0.778 (19.76)	20
SDA08H0B	8	0.876 (22.26)	20
SDA09H0B	9	0.978 (24.84)	15
SDA10H0B	10	1.076 (27.34)	15
SDA12H0B	12	1.279 (32.50)	14

Schematic SPST



Flush Actuator – With Top Tape, Surface Mount Terminals

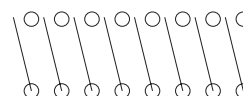
SDA08H0SB



Notes: SDA 01 options are 4,25mm thick

ROHS Part #	No. Pos.	DIM 'A'	Quantity per Tube
SDA01H0SB	1	0.178 (4.52)	100
SDA02H0SB	2	0.278 (7.06)	60
SDA03H0SB	3	0.378 (9.60)	45
SDA04H0SB	4	0.476 (12.10)	35
SDA05H0SB	5	0.578 (14.68)	30
SDA06H0SB	6	0.676 (17.18)	25
SDA07H0SB	7	0.778 (19.76)	20
SDA08H0SB	8	0.876 (22.26)	20
SDA09H0SB	9	0.978 (24.84)	15
SDA10H0SB	10	1.076 (27.34)	15
SDA12H0SB	12	1.279 (32.50)	14

Schematic SPST



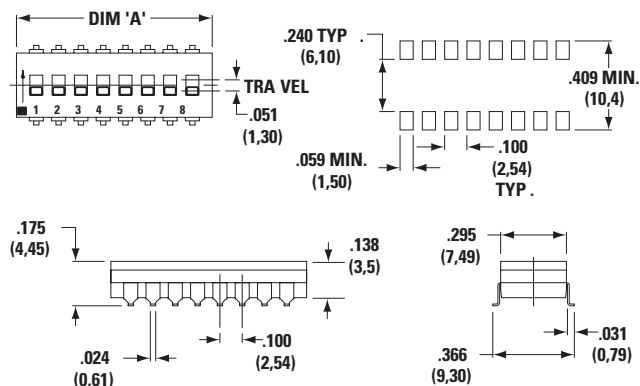
SDA Series

Low Profile DIP Switches



Flush Actuator – No Tape, Surface Mount Terminals

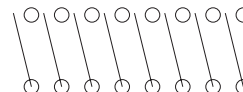
SDA08H0SBD



Notes: SDA 01 options are 4,25mm thick

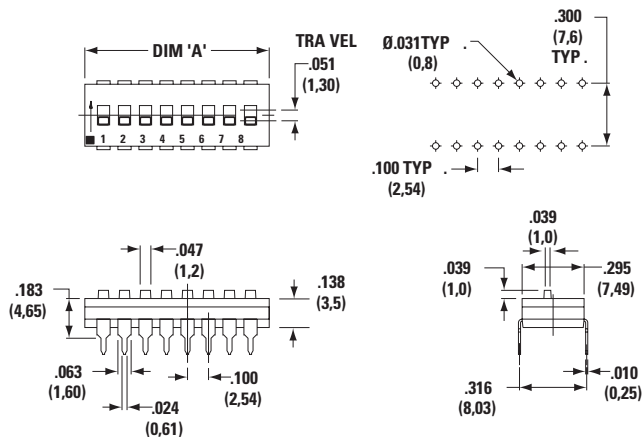
ROHS Part #	No. Pos.	DIM 'A'	Quantity per Tube
SDA01H0SBD	1	0.178 (4.52)	100
SDA02H0SBD	2	0.278 (7.06)	60
SDA03H0SBD	3	0.378 (9.60)	45
SDA04H0SBD	4	0.476 (12.10)	35
SDA05H0SBD	5	0.578 (14.68)	30
SDA06H0SBD	6	0.676 (17.18)	25
SDA07H0SBD	7	0.778 (19.76)	20
SDA08H0SBD	8	0.876 (22.26)	20
SDA09H0SBD	9	0.978 (24.84)	15
SDA10H0SBD	10	1.076 (27.34)	15
SDA12H0SBD	12	1.279 (32.50)	14

Schematic SPST



Extended Actuator – No Top Tape, Thru-hole Terminals

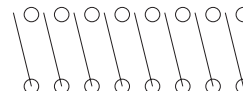
SDA08H1BD



Notes: SDA 01 options are 4,25mm thick

ROHS Part #	No. Pos.	DIM 'A'	Quantity per Tube
SDA01H1BD	1	0.178 (4.52)	100
SDA02H1BD	2	0.278 (7.06)	60
SDA03H1BD	3	0.378 (9.60)	45
SDA04H1BD	4	0.476 (12.10)	35
SDA05H1BD	5	0.578 (14.68)	30
SDA06H1BD	6	0.676 (17.18)	25
SDA07H1BD	7	0.778 (19.76)	20
SDA08H1BD	8	0.876 (22.26)	20
SDA09H1BD	9	0.978 (24.84)	15
SDA10H1BD	10	1.076 (27.34)	15
SDA12H1BD	12	1.279 (32.50)	14

Schematic SPST

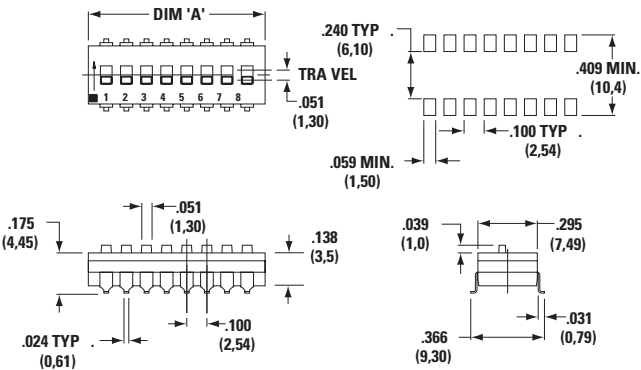


SDA Series

Low Profile DIP Switches



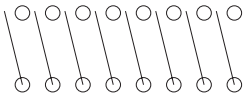
Extended Actuator – No Top Tape, Surface Mount Terminals
SDA08H1SBD



Notes: SDA 01 options are 4,25mm thick

ROHS Part #	No. Pos.	DIM 'A'	Quantity per Tube
SDA01H1SBD	1	0.178 (4.52)	100
SDA02H1SBD	2	0.278 (7.06)	60
SDA03H1SBD	3	0.378 (9.60)	45
SDA04H1SBD	4	0.476 (12.10)	35
SDA05H1SBD	5	0.578 (14.68)	30
SDA06H1SBD	6	0.676 (17.18)	25
SDA07H1SBD	7	0.778 (19.76)	20
SDA08H1SBD	8	0.876 (22.26)	20
SDA09H1SBD	9	0.978 (24.84)	15
SDA10H1SBD	10	1.076 (27.34)	15
SDA12H1SBD	12	1.279 (32.50)	14

Schematic SPST

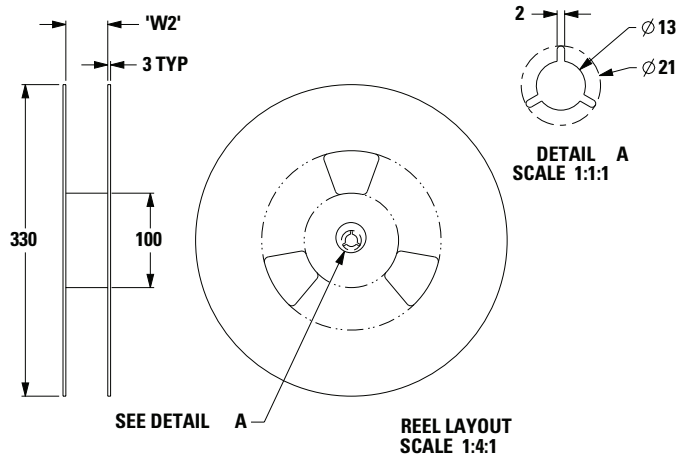
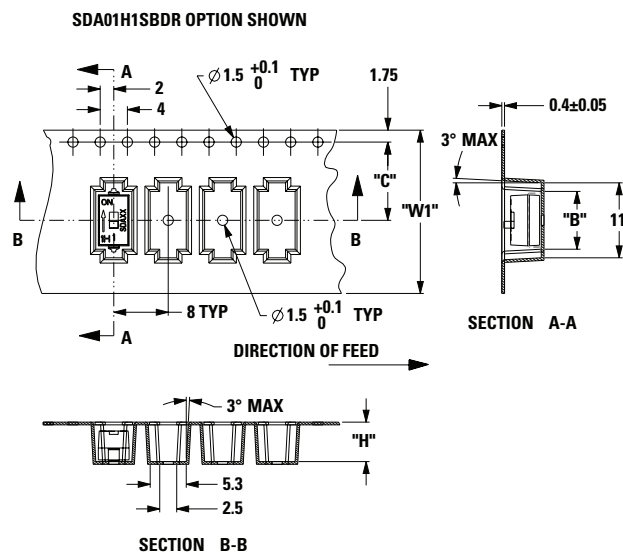
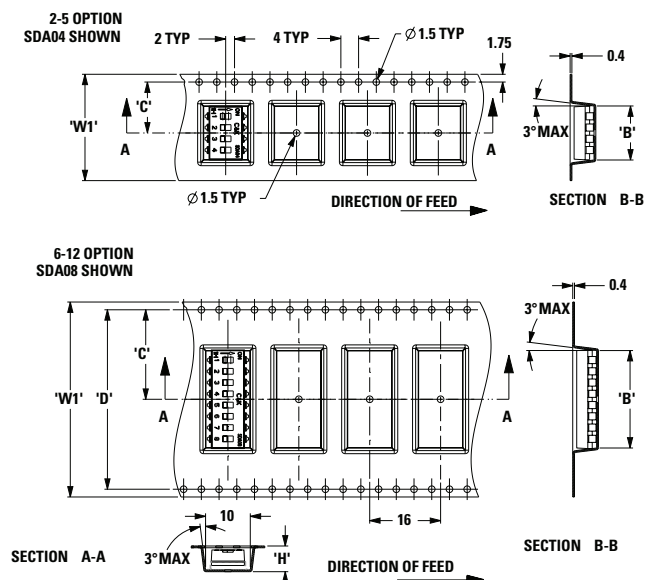


SDA Series

Low Profile DIP Switches



Tape & Reel Packaging – Surface Mount Options only



SDA Series

Low Profile DIP Switches



Model # 'S' Option		DIM 'H' (REF)	DIM 'W1' (REF)	DIM 'W2' (REF)	DIM 'B' (REF)	DIM 'C' (REF)	DIM 'D' (REF)	Quantity per Reel
SDA01	H0	5.2	24.0	24.4	8.5	11.5	N/A	1,500
	H1	5.8						1,450
SDA02	H0	4.8			7.9			750
	H1	5.8						700
SDA03	H0	4.8			10.4			750
	H1	5.8						700
SDA04	H0	4.8			12.9			750
	H1	5.8						700
SDA05	H0	4.8			15.45			750
	H1	5.8						700
SDA06	H0	4.8	32.0	32.4	18.0	14.2	28.4	750
	H1	5.8						700
SDA07	H0	4.8			20.5			750
	H1	Not currently available in tape and reel						
SDA08	H0	4.8	44.0	44.4	22.7	20.2	40.4	750
	H1	5.8						700
SDA09	H0	4.8			25.5			750
	H1	5.8						700
SDA10	H0	4.8		44.0	28.1			750
	H1	5.8						700
SDA12	H0	4.8		44.4	33.2			750
	H1	Not currently available in tape and reel						

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