### Features/Benefits

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

### Typical Applications

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







### **Specifications**

CONTACT RATING: 25 mA @ 24 V DC or 100 mA @ 5 V DC. MECHANICAL AND ELECTRICAL LIFE: 1,000 cycles at rated loads.

CONTACT RESISTANCE: 50 mΩ max. initial.

INSULATION RESISTANCE: 100 MΩ between terminals.

DIELECTRIC WITHSTANDING VOLTAGE: 300 V DC min. for 1 min-

STORAGE TEMPERATURE: -40°C to 85°C. OPERATING TEMPERATURE: -40°C to 85°C. OPERATING FORCE: 800 grams max.

SOLDERABILITY: Dip and look solderability testing per C&K spec. #448. Unplated edges of terminals permitted.

PACKAGING: Switches supplied in rigid dispensing tubes in fulltube 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.

#### **Materials**

HOUSING: PPS, color black (UL94V-0). COVER: PPS, color black (UL94V-0).

ACTUATOR: PA6T (UL94-0)

CONTACTS: Gold plated Beryllium copper. TERMINALS: Gold plate over nickel plated brass.

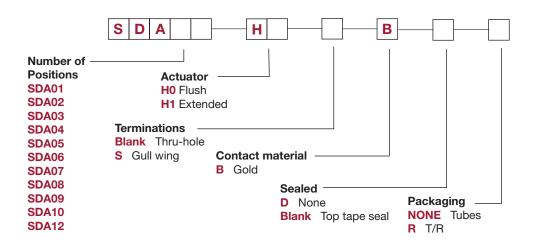
TAPE SEAL: Polyimide.

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.

### **How To Order**

The Build-A Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.

All switches supplied in "OFF" position.





Dimensions are shown: Inch (mm) Specifications and dimensions subject to change



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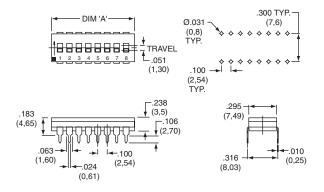


# 9

### Flush Actuator - No Tape, Thru-hole Terminals



SDA08H0BD



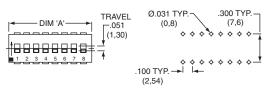
NOTE: SDA 01 options are 4,25mm thick

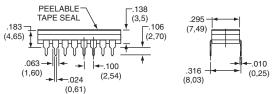
ROHS PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE			
SDA01H0BD	1	.178 (4,52)	100			
SDA02H0BD	2	.278 (7,06)	60			
SDA03H0BD	3	.378 (9,60)	45			
SDA04H0BD	4	.476 (12,10)	35			
SDA05H0BD	5	.578 (14,68)	30			
SDA06H0BD	6	.676 (17,18)	25			
SDA07H0BD	7	.778 (19,76)	20			
SDA08H0BD	8	.876 (22,26)	20			
SDA09H0BD	9	.978 (24,84)	15			
SDA10H0BD	10 1.076 (27,34) 15					
SDA12H0BD	12	1.279 (32,50)	14			
Schematic						
SPST						

## Flush Actuator - With Top Tape, Thru-hole Terminals



SDA08H0B





NOTE: SDA 01 options are 4,25mm thick

ROHS PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE		
SDA01H0B SDA02H0B SDA03H0B SDA04H0B SDA05H0B SDA06H0B SDA07H0B SDA09H0B SDA09H0B SDA10H0B SDA12H0B	1 2 3 4 5 6 7 8 9 10	.178 (4,52) .278 (7,06) .378 (9,60) .476 (12,10) .578 (14,68) .676 (17,18) .778 (19,76) .876 (22,26) .978 (24,84) 1.076 (27,34) 1.279 (32,50)	100 60 45 35 30 25 20 20 15 15		
Schematic   12   1.213 (32,30)   14					

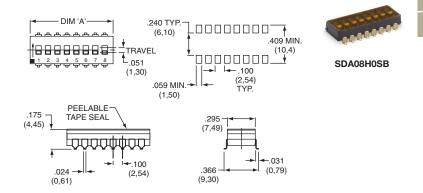




# **Low Profile DIP Switches**

# Flush Actuator - With Top Tape, Surface Mount Terminals

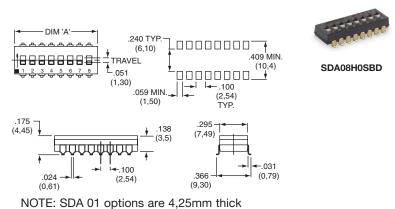
ROHS PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE		
SDA01H0SB	1	.178 (4,52)	100		
SDA02H0SB	2	.278 (7,06)	60		
SDA03H0SB	3	.378 (9,60)	45		
SDA04H0SB	4	.476 (12,10)	35		
SDA05H0SB	5	.578 (14,68)	30		
SDA06H0SB	6	.676 (17,18)	25		
SDA07H0SB	7	.778 (19,76)	20		
SDA08H0SB	8	.876 (22,26)	20		
SDA09H0SB	9	.978 (24,84)	15		
SDA10H0SB	10	1.076 (27,34)	15		
SDA12H0SB	12	1.279 (32,50)	14		
Schematic					
101010101010					
SPST 000000					



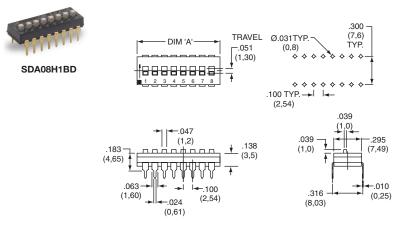
NOTE: SDA 01 options are 4,25mm thick

### Flush Actuator - No Tape, Surface Mount Terminals

ROHS PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE		
SDA01H0SBD	1	.178 (4,52)	100		
SDA02H0SBD	2	.278 (7,06)	60		
SDA03H0SBD	3	.378 (9,60)	45		
SDA04H0SBD	4	.476 (12,10)	35		
SDA05H0SBD	5	.578 (14,68)	30		
SDA06H0SBD	6	.676 (17,18)	25		
SDA07H0SBD	7	.778 (19,76)	20		
SDA08H0SBD	8	.876 (22,26)	20		
SDA09H0SBD	9	.978 (24,84)	15		
SDA10H0SBD	10	1.076 (27,34)	15		
SDA12H0SBD	12	1.279 (32,50)	14		
SPST	999999				



### **Extended Actuator - No Top Tape, Thru-hole Terminals**



NOTE: SDA 01 options are 4,25mm	n tnick
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ROHS PART NUMBER	NO. POS.	DIM. 'A'	QUANTITY PER TUBE				
SDA01H1BD	1	.178 (4,52)	100				
SDA02H1BD	2	.278 (7,06)	60				
SDA03H1BD	3	.378 (9,60)	45				
SDA04H1BD	4	.476 (12,10)	35				
SDA05H1BD	5	.578 (14,68)	30				
SDA06H1BD	6	.676 (17,18)	25				
SDA07H1BD	7	.778 (19,76)	20				
SDA08H1BD	8	.876 (22,26)	20				
SDA09H1BD	9	.978 (24,84)	15				
SDA10H1BD	10 1.076 (27,34) 15 12 1.279 (32,50) 14						
SDA12H1BD							
Schematic							
SPST							

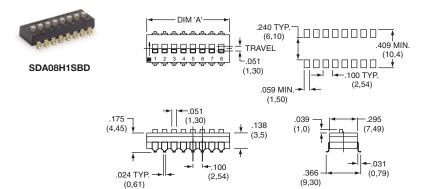


Dimensions are shown: Inch (mm) Specifications and dimensions subject to change



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## **Extended Actuator - No Top Tape, Surface Mount Terminals**

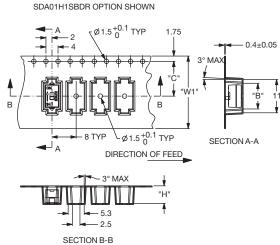


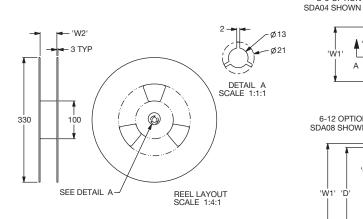
NOTE: SDA 01 options are 4,25mm thick

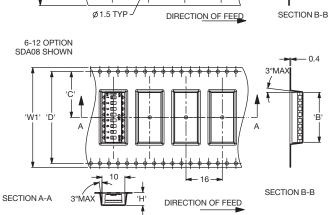
ROHS PART NUMBER	NO. POS. DIM. 'A'		QUANTITY PER TUBE			
CDAGGUGCDD		.== (, ==)				
SDA01H1SBD	1	.178 (4,52)	100			
SDA02H1SBD	2	.278 (7,06)	60 45			
SDA03H1SBD	3	.378 (9,60)				
SDA04H1SBD	4	.476 (12,10)	35			
SDA05H1SBD	5	.578 (14,68)	30			
SDA06H1SBD	6	.676 (17,18)	25			
SDA07H1SBD	7	.778 (19,76)	20			
SDA08H1SBD	8	.876 (22,26)	20			
SDA09H1SBD	9 .978 (24,84) 15					
SDA10H1SBD	10	1.076 (27,34)	15			
SDA12H1SBD	12	1.279 (32,50)	14			
Schematic						
101010101010						
SPST	9999999					

Tape & Reel Packaging - Surface Mount Options only

			I=					
S' OF	EL NO. PTION	DIM. 'H' (REF.)	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	1500 ·	
SDAUI	H1	5.8	24.0	24.4	6.5	11.5	IN/A	1450
SDA02	H0	4.8	24.0	24.4	7.9	11.5	N/A	750
SDAUZ	H1	5.8	24.0	24.4	1.5	11.5	19/1	700
SDA03	Ю	4.8	24.0	24.4	10.4	11.5	N/A	750
ODAGO	H1	5.8	24.0	24.4	10.4	11.5	14/7	700
SDA04	НО	4.8	24.0	24.4	12.9	11.5	N/A	750
ODAG	H1	5.8	24.0					700
SDA05	H0	4.8	24.0	24.4	15.4	11.5	N/A	750
H1		5.8	24.0	24.4	15.4	11.5		700
SDA06	Ю	4.8	32.0 32.4 18.	18.0	18.0 14.2	28.4	750	
ODAGO	H1	5.8						
SDA07	Ю	4.8	32.0	32.4	20.5	14.2	28.4	750
ODAOI	H1	NOT CURRENTLY AVAILABLE IN TAPE AND REEL					REEL	
SDA08	HO	4.8	8 44.0	44.4	22.7	20.2	40.4	750
ODAGO	H1	5.8	44.0					700
SDA09	H0	4.8	44.0	44.4	44.4 25.5	20.2	40.4	750
SDA09	H1	5.8	44.0	44.4				700
SDA10 H0		4.8	44.0	44.0	28.1	20.2	40.4	750
		5.8	1 44.0	44.0				700
SDA12	НО	4.8	44.0	44.4	33.2	20.2	40.4	750
ODA12	H1 NOT CURRENTLY AVAILABLE IN TAPE AND REEL							









Dimensions are shown: Inch (mm) Specifications and dimensions subject to change



2-5 OPTION

**↓**'C'

# **Mouser Electronics**

**Authorized Distributor** 

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## **C&K Switches:**

SDA08H1KD
SDA08H0SK
SDA06H1SKD
SDA09H0K
SDA08H1SKD
SDA05H0K
SDA10H1SKD
SDA12H0K

SDA03H0KD
SDA07H1KD
SDA03H0SK
SDA03H0SKD
SDA04H1SKD
SDA02H1SKD
SDA12H1SKD
SDA08H0K

SDA08H0SKD
SDA10H1KD
SDA07H0K
SDA03H0K
SDA07H0SK
SDA07H0KD
SDA07H0KD
SDA05H0SKD
SDA05H0SKD
SDA05H0SKD
SDA05H0SKD
SDA05H0SKD
SDA040H0KD
SDA02H0SKD
SDA09H1KD
SDA02H0SK
SDA09H1KD
SDA09H1KD
SDA04H0KD
SDA04H0SKD
SDA05H1SKD
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