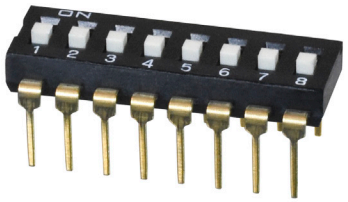
CUDEVICES

SERIES: DS04-254 | **DESCRIPTION:** DIP SWITCH

FEATURES

- 2.54 mm pitch
- 1~12 pole options
- long or short pin option
- raised or flat actuator option
- through hole



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage (per pole)	switching non-switching			24 50	Vdc Vdc
rated current (per pole)	switching non-switching			25 100	mA mA
withstanding voltage	for 1 minute		500		Vac
contact resistance	initial after life test			50 100	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
operating force				1000	g
switch travel				0.9	mm
operating temperature		-40		85	°C
storage temperature		-40		85	°C
life		2000			cycles
flammability rating	UL94V-0				
RoHS	yes				

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering[1]	for maximum 3 seconds	315	320	325	°C
wave soldering[1]	for maximum 5 seconds	240	250	260	°C

Notes: 1. Keep in "off" position during soldering.

PART NUMBER KEY

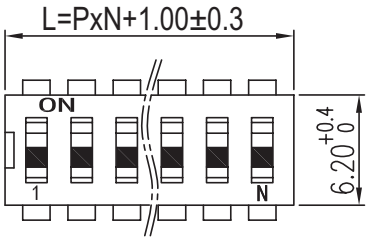
DS04 - 254- X X - XX BK

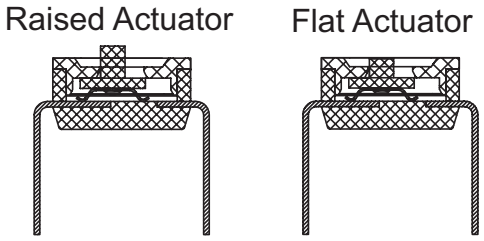
- Base Number
- Actuator: 1 = Raised, 2 = Flat
- Pin Length: S = Short, L = Long
- No. of Poles: 01, 02, 03, 04, 05, 06, 07, 08, 10, 12

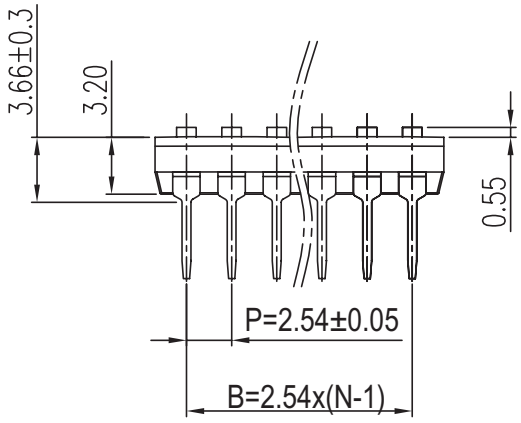
MECHANICAL DRAWING

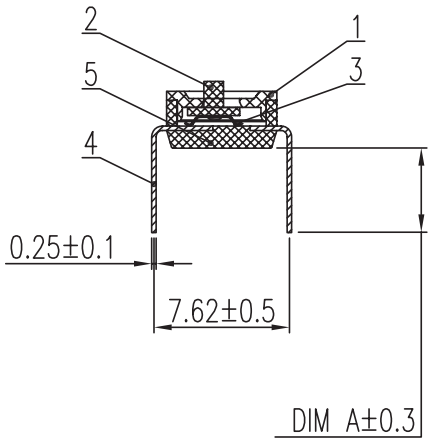
units: mm
tolerance:
0.5<X≤3.0: ±0.15 mm
3.0<X≤6.0: ±0.20 mm
6.0<X≤30.0: ±0.25 mm
30.0<X≤120.0: ±0.30 mm
120.0<X≤400.0: ±0.50 mm
X>400.0: ±0.80 mm
unless otherwise noted

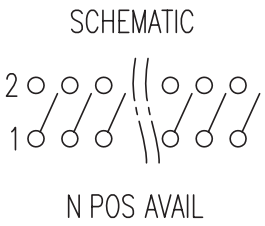
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	housing	PBT (UL94V-0)	black
2	actuator	PBT (UL94V-0)	white
3	contact	copper alloy	gold
4	pins 1,2	copper alloy	gold
5	base	PBT (UL94V-0)	black

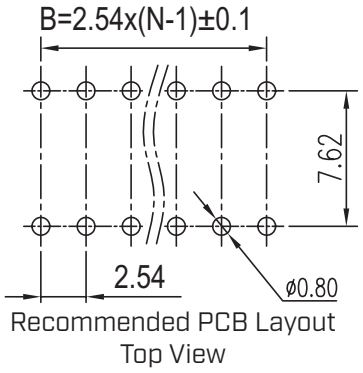












PIN LENGTH, A (mm)	
Short Pin	Long Pin
3.50	4.74

This series is constructed of single piece modules where L is the total length, P is the pitch, and N is the number of poles.										
N	01	02	03	04	05	06	07	08	10	12
L	3.54	6.08	8.62	11.16	13.70	16.24	18.78	21.32	26.40	31.48
B	--	2.54	5.08	7.62	10.16	12.70	15.24	17.78	22.86	27.94

REVISION HISTORY

rev.	description	date
1.0	initial release	11/22/2019
1.01	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.