

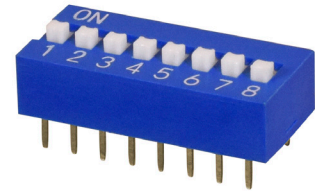


**THE DATASHEET OF  
DS01-254-S-03BE**



**SERIES:** DS01-254 | **DESCRIPTION:** DIP SWITCH**FEATURES**

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

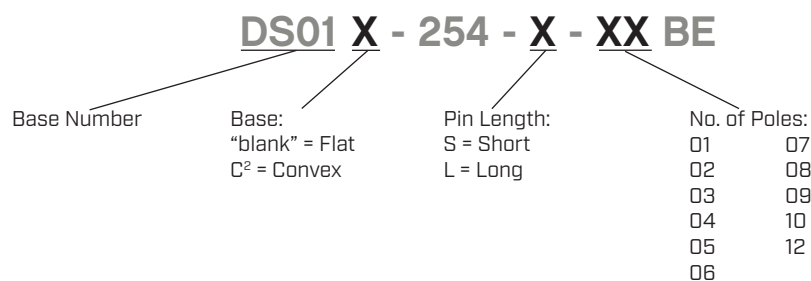
**SPECIFICATIONS**

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		300		Vac
contact resistance	initial after life test			50 100	mΩ mΩ
insulation resistance	at 500 Vdc	100			MΩ
operating force				1000	g
switch travel				2	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 <sup>1</sup>	for maximum 3 seconds	315	320	325	°C
wave soldering <sup>1</sup>	for maximum 5 seconds	240	250	260	°C

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

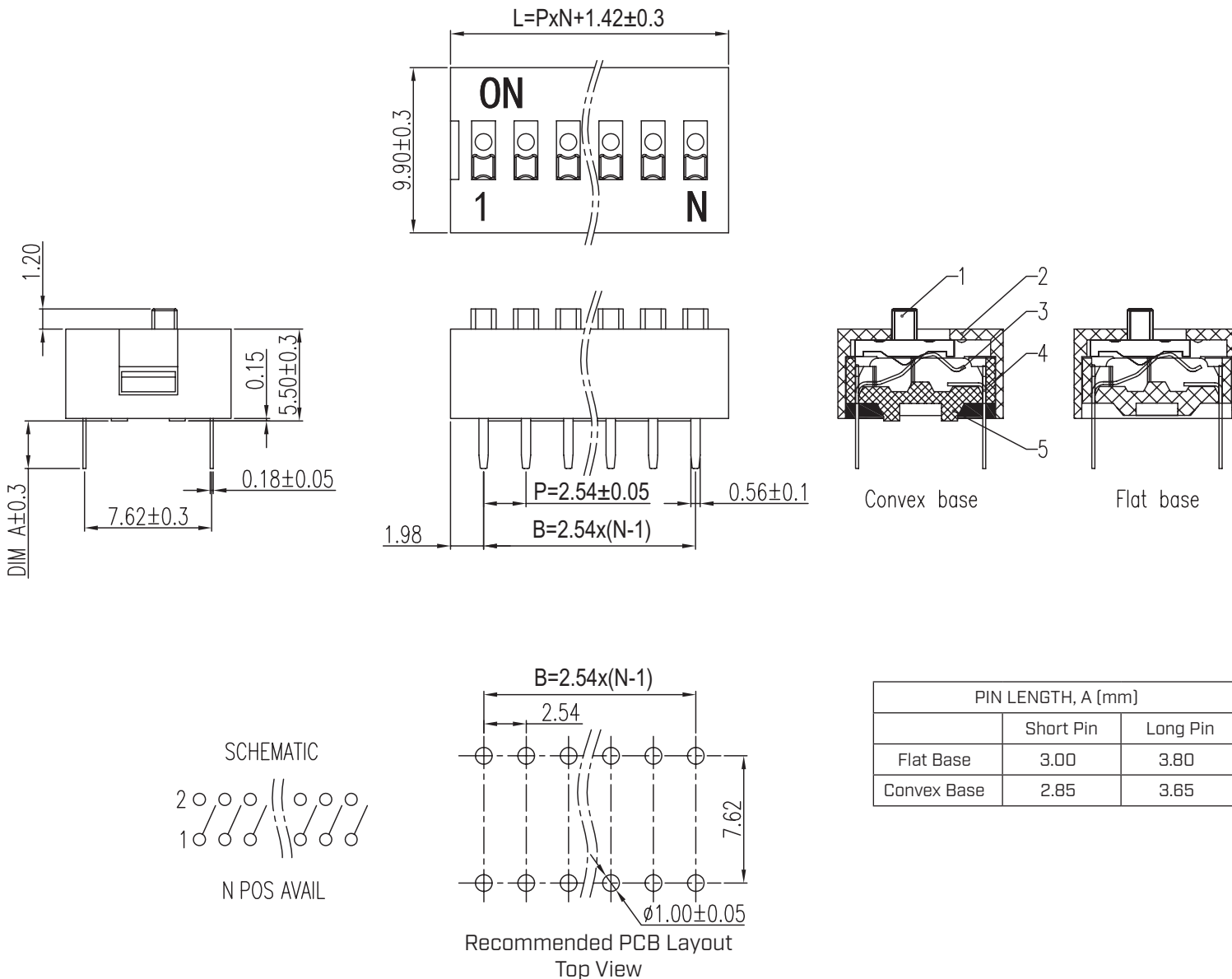
**PART NUMBER KEY**

Notes: 2. Convex base only available in poles 3-12.

## 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	actuator	PBT (UL94V-0)	white
2	housing	PBT (UL94V-0)	blue
3	pin 1	copper alloy	gold
4	pin 2	copper alloy	gold
5	base	PBT (UL94V-0)	black



PIN LENGTH, A (mm)		
	Short Pin	Long Pin
Flat Base	3.00	3.80
Convex Base	2.85	3.65

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	09	10	12
L	3.96	6.50	9.04	11.58	14.12	16.66	19.20	21.74	24.28	26.82	31.90
B	--	2.54	5.08	7.62	10.16	12.70	15.24	17.78	20.32	22.86	27.94

## REVISION HISTORY

rev.	description	date
1.0	initial release	11/21/2019
1.01	logo, datasheet style update	08/05/2022

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



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