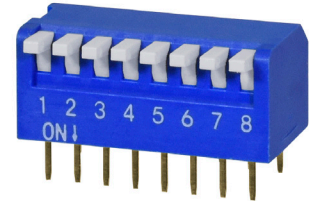


**SERIES:** DS02-254 | **DESCRIPTION:** DIP SWITCH**FEATURES**

- 2.54 mm pitch
- convex or flat bottom option
- 2-12 pole options
- raised or flat actuator option
- through hole

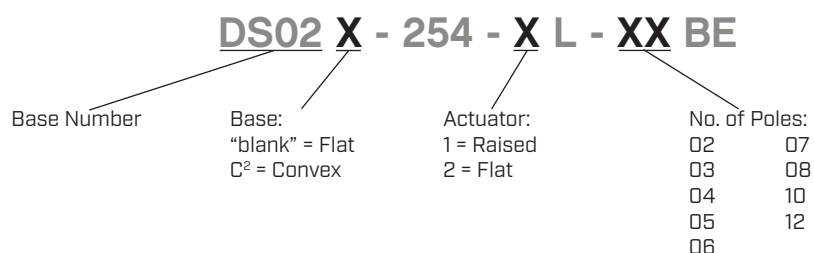
**SPECIFICATIONS**

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 angle				20	°
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

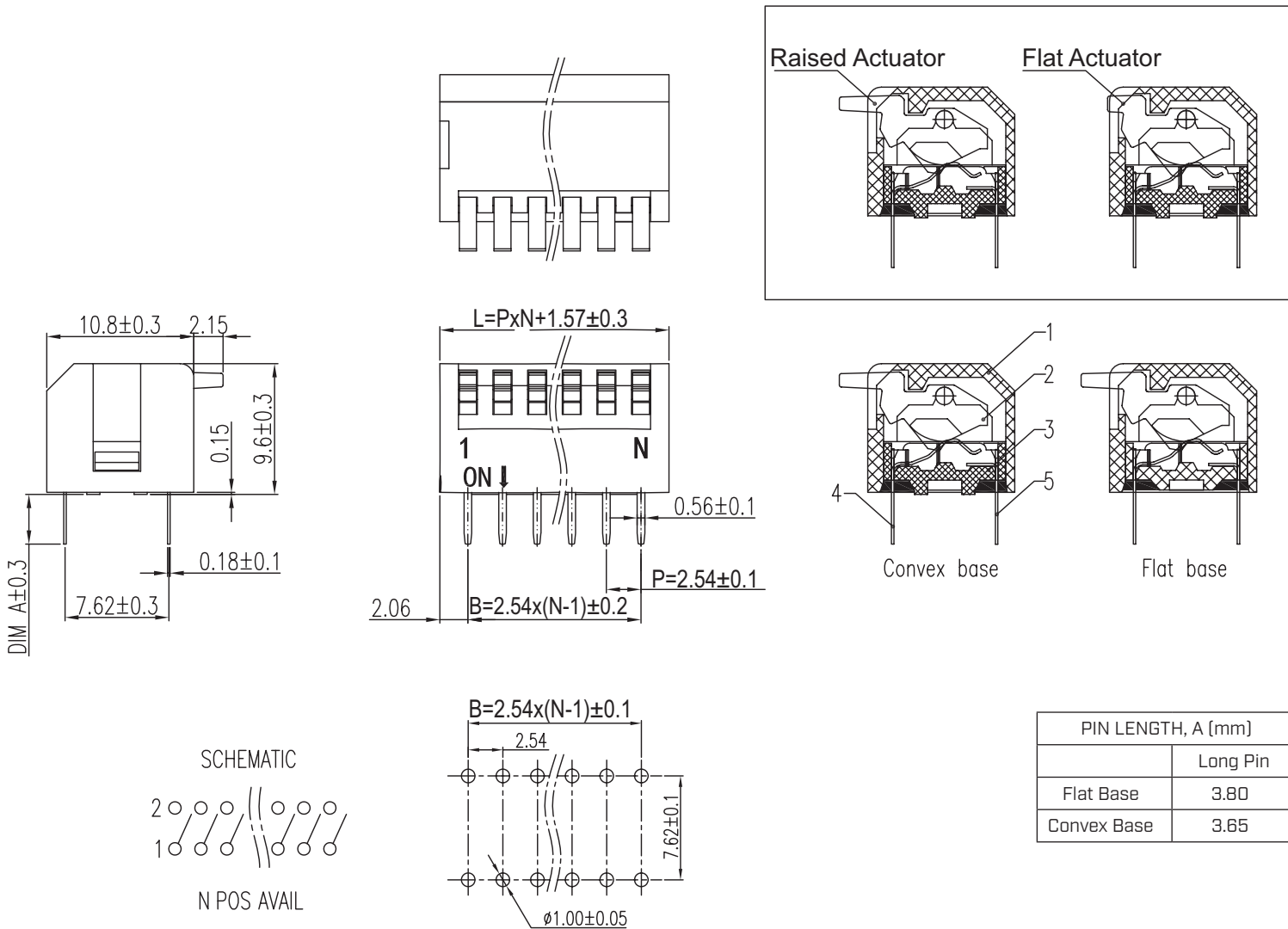
Notes: 1. Keep in "off" position during soldering.

**PART NUMBER KEY**Notes: 2. Convex base only available in poles 3-12.  
\*. Discontinued DS02C-254-2L models

## 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]	blue
2	actuator	PBT [UL94V-0]	white
3	base	PBT [UL94V-0]	black
4	pin 1	copper alloy	gold
5	pin 2	copper alloy	gold



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

Recommended PCB Layout  
Top View

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	02	03	04	05	06	07	08	10	12
L	6.65	9.19	11.73	14.27	16.81	19.35	21.89	26.97	32.05
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	11/21/2019
1.01	discontinued DS02C-254-2L models	11/23/2021
1.02	logo, datasheet style update	08/05/2022

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



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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