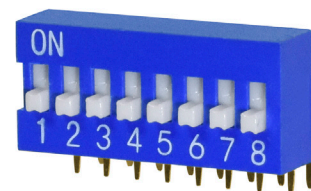


SERIES: DS03-254 | **DESCRIPTION:** DIP SWITCH**FEATURES**

- 2.54 mm pitch
- 2~12 pole options
- right angle pin
- raised actuator
- through hole

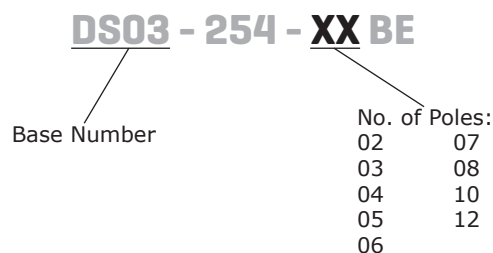
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage (per pole)	switching			24	Vdc
	non-switching			50	Vdc
rated current (per pole)	switching			25	mA
	non-switching			100	mA
withstanding voltage	for 1 minute		500		Vac
contact resistance	initial			50	mΩ
	after life test			100	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 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

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

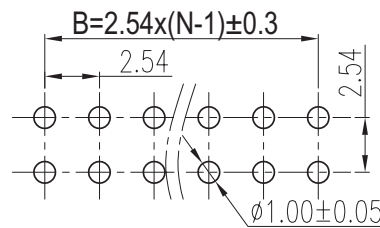
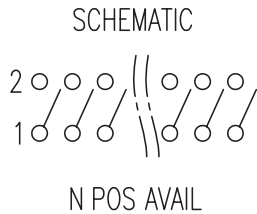
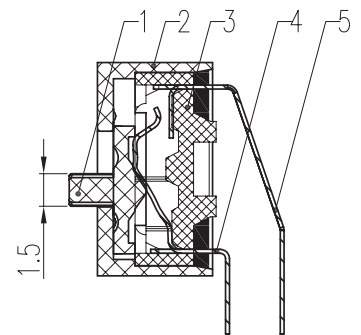
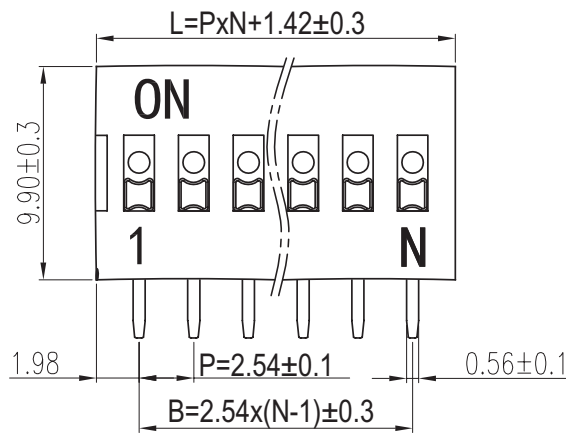
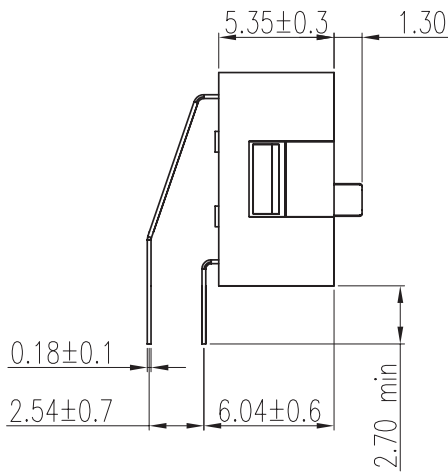
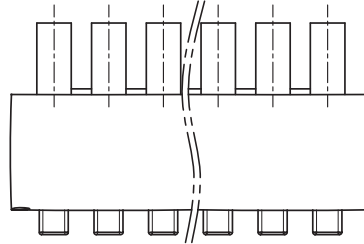
30.0<X≤120.0: ±0.30 mm

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	base	PBT (UL94V-0)	black
4	pin 1	copper alloy	gold
5	pin 2	copper alloy	gold



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	6.50	9.04	11.58	14.12	16.66	19.20	21.74	26.82	31.90
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

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

CUI DEVICES

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

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CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.