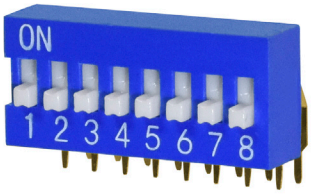
CUI DEVICES

SERIES: DS03-254 | DESCRIPTION: DIP SWITCH

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

DS03 - 254 - XX BE

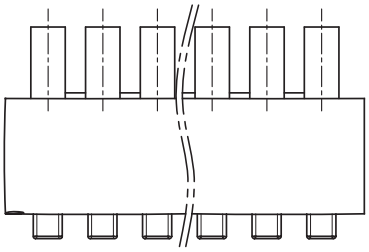
Base Number

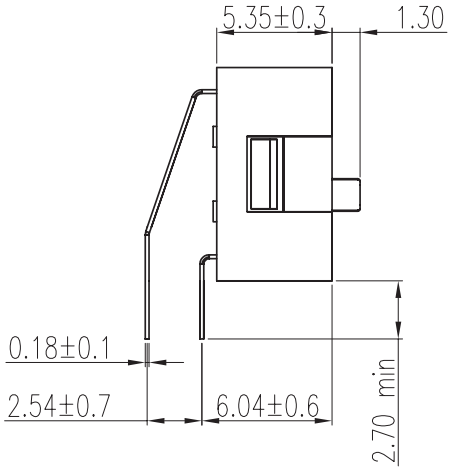
No. of Poles:
02 07
03 08
04 10
05 12
06

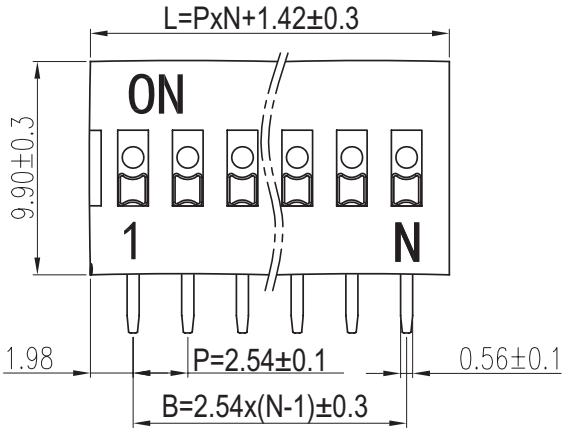
MECHANICAL DRAWING

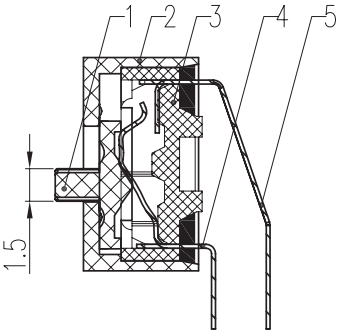
units: mm
tolerance:
0.5<X≤3.0: ±0.15 mm
3.0<X≤6.0: ±0.20 mm
6.0<X≤30.0: ±0.25 mm
30.0<X≤120.0: ±0.30 mm
120.0<X≤400.0: ±0.50 mm
X>400.0: ±0.80 mm
unless otherwise noted

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

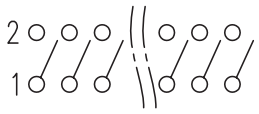




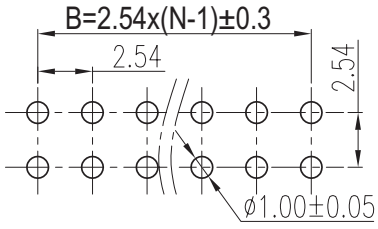




SCHEMATIC



N POS AVAIL



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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