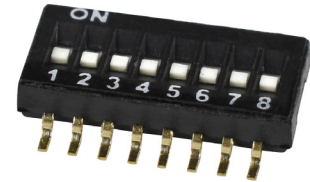


SERIES: DS05-127-SMT | **DESCRIPTION:** DIP SWITCH

FEATURES

- 1.27 mm pitch
- 2~10 pole options
- flat actuator
- surface mount
- tape & reel packaging

**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				800	g
switch travel				0.6	mm
operating temperature		-40		85	°C
storage temperature		-40		85	°C
life		2000			cycles
flammability rating	UL94V-0				
RoHS	yes				

PART NUMBER KEY

DS05 - 127- 2 - XX BK - SMT - TR

Base Number

No. of Poles:

02	06
03	08
04	10

MECHANICAL DRAWING

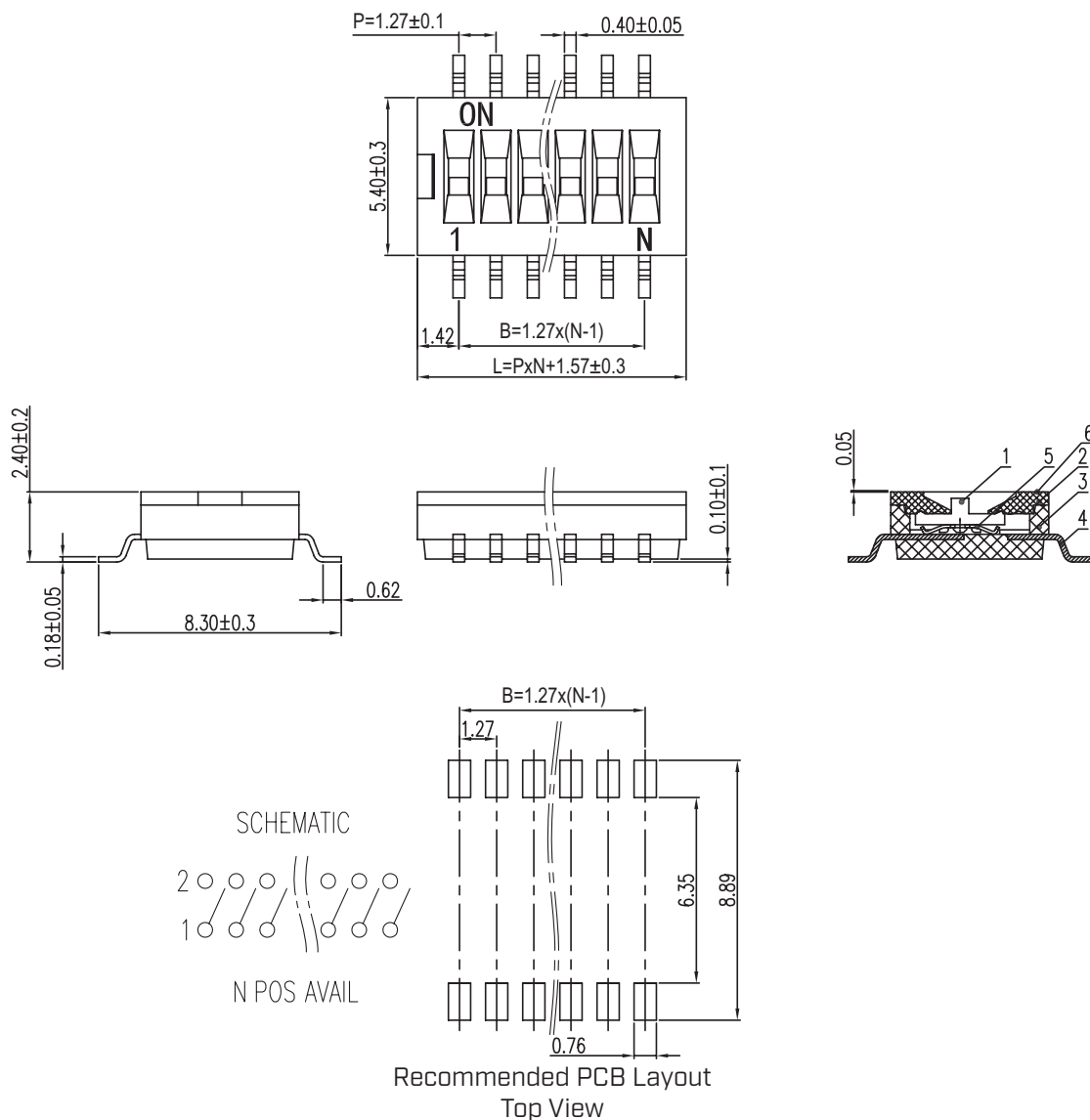
units: mm

tolerance:

 $0.5 < X \leq 3.0$: ± 0.15 mm $3.0 < X \leq 6.0$: ± 0.20 mm $6.0 < X \leq 30.0$: ± 0.25 mm $30.0 < X \leq 120.0$: ± 0.30 mm $120.0 < X \leq 400.0$: ± 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]	black
3	base	PBT [UL94V-0]	black
4	pin	copper alloy	gold
5	spring	copper alloy	gold
6	tape	polyimide	



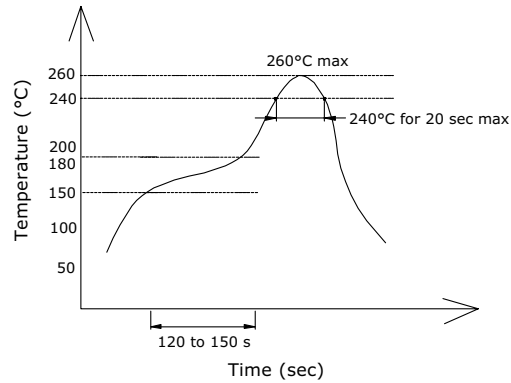
This series is constructed of single piece modules where L is the total length, P is the pitch, and N is the number of poles.

N	02	03	04	06	08	10
L	4.11	5.38	6.65	9.19	11.73	14.27
B	1.27	2.54	3.81	6.35	8.89	11.43

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering ¹	for maximum 3 seconds	315	320	325	°C
reflow soldering ¹	240-260 °C (20 seconds max)			260	°C

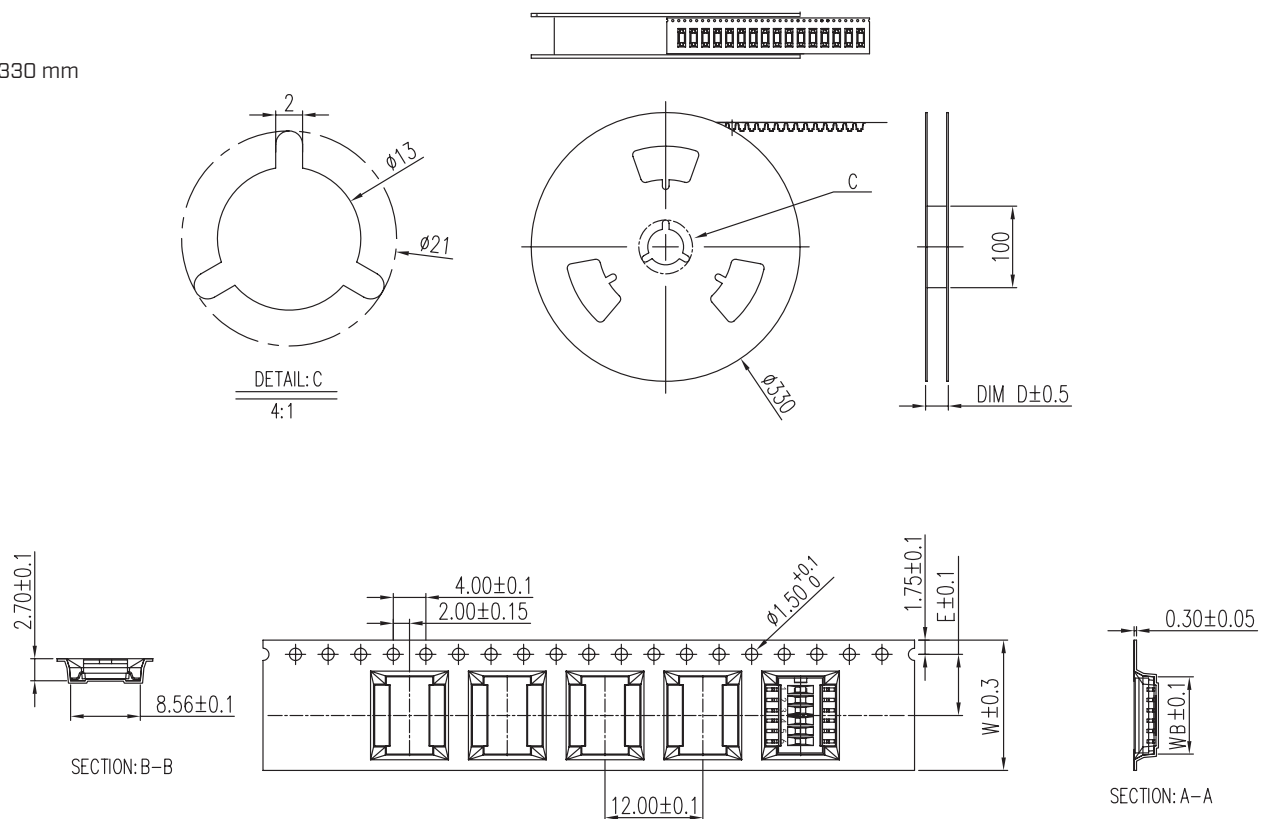
Notes: 1. Keep in "off" position during soldering.



PACKAGING (TAPE & REEL)

units: mm

Reel Size: Ø330 mm



Tape Dimensions					
#Poles	W (mm)	WB (mm)	E (mm)	D (mm)	QTY
2	16.00	4.41	7.50	20.4	2,000
3	16.00	5.68	7.50	20.4	2,000
4	16.00	6.95	7.50	20.4	2,000
6	16.00	9.49	7.50	20.4	2,000
8	24.00	11.88	11.50	28.4	2,000
10	24.00	14.42	11.50	28.4	2,000

REVISION HISTORY

rev.	description	date
1.0	initial release	11/26/2019
1.01	logo, datasheet style update	08/05/2022

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



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

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