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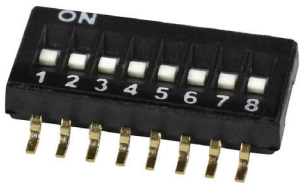
SERIES: DS05-127-SMT | DESCRIPTION: DIP SWITCH

FEATURES

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



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		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

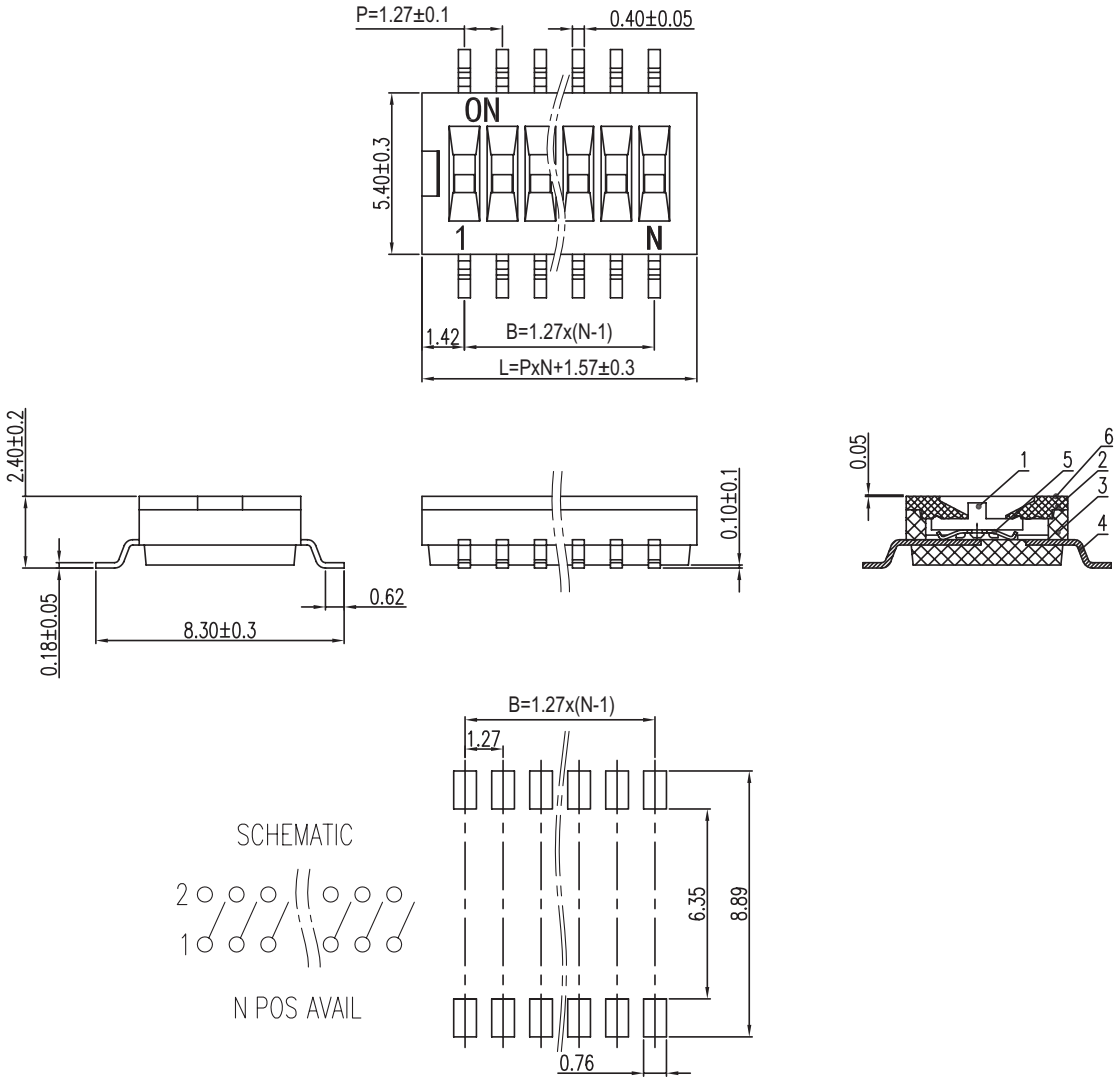
Base Number

No. of Poles:
02 06
03 08
04 10

MECHANICAL DRAWING

units: mm
tolerance:
0.5<X≤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	PA46 (UL94V-0)	white
2	housing	PA9T (UL94V-0)	black
3	base	PA9T (UL94V-0)	black
4	pin	copper alloy	gold
5	spring	copper alloy	gold
6	tape	polyimide	



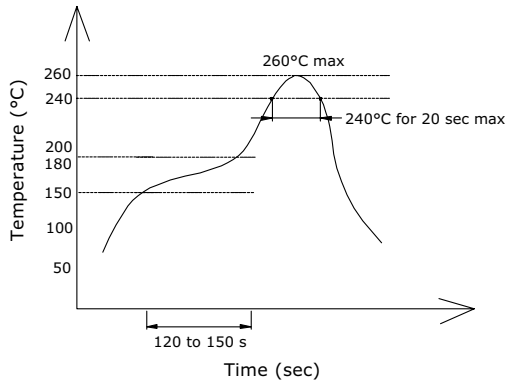
Recommended PCB Layout
Top View

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	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

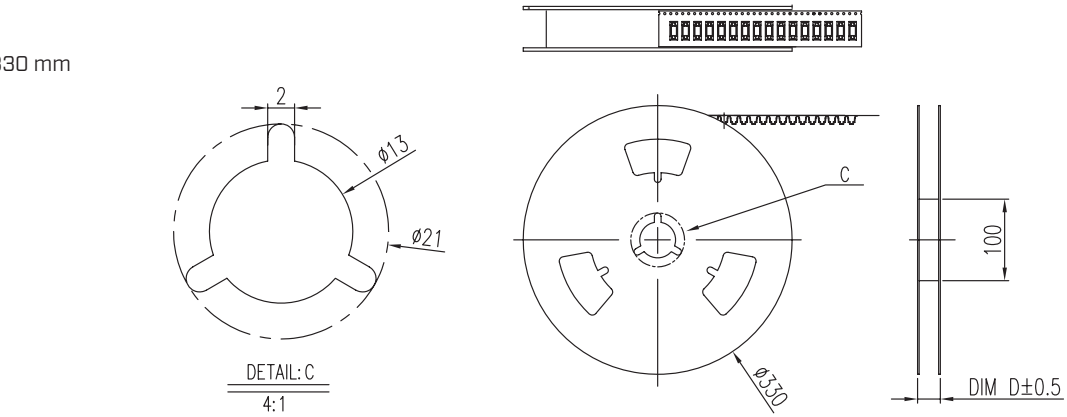
Notes: 1. Keep in "off" position during soldering.

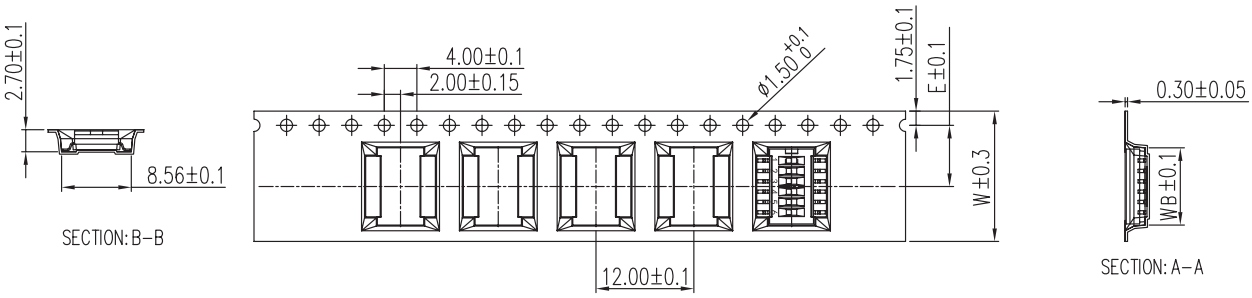


PACKAGING (TAPE & REEL)

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
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	corrected material detail	03/06/2026

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

same sky

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