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SERIES: DS08-254-SMT | DESCRIPTION: DIP SWITCH

FEATURES

- 2.54 pitch
- short pins
- surface mount

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				1,000	g
operating temperature		-40		85	°C
storage temperature		-40		85	°C
life		2000			cycles
flammability rating	UL94V-0				
RoHS	yes				

PART NUMBER KEY

DS08 - 254 - 1S - XX BK - SMT

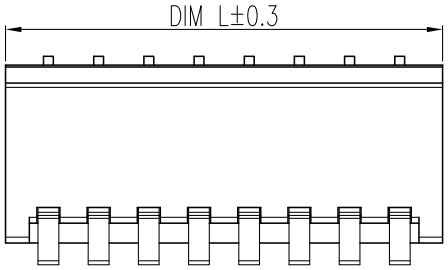
Base Number

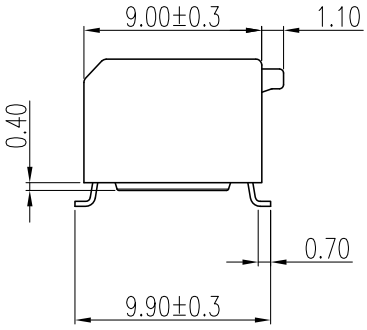
No. of Poles:
02 06
03 08
04 10
05

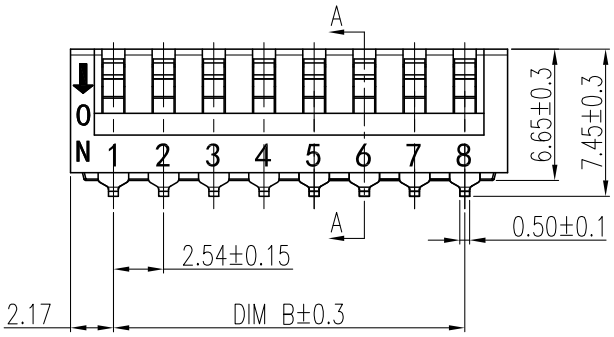
MECHANICAL DRAWING

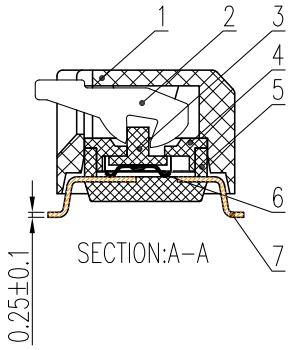
units: mm
tolerance:
0.0<X≤3.0: ±0.15 mm
3.0<X≤6.0: ±0.20 mm
6.0<X≤30.0: ±0.25 mm
30.0<X≤120.0: ±0.30 mm
120.0<X≤400.0: ±0.50 mm
400.0<X≤1000.0: ±0.80 mm
unless otherwise noted

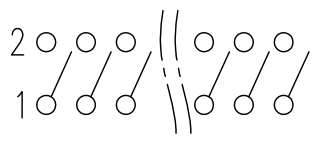
ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	cover 1	PA46 (UL94V-0)	white
2	actuator 1	PA9T (UL94V-0)	black
3	actuator 2	PA9T (UL94V-0)	---
4	cover 2	PA46 (UL94V-0)	black
5	base	PA46 (UL94V-0)	gold
6	contact	copper alloy	gold
7	pin	copper alloy	gold

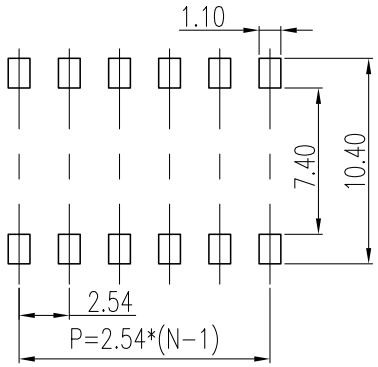












Recommended PCB Layout
Top View

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	08	10
L	6.88	9.42	11.96	14.50	17.04	22.12	27.20
B	2.54	5.08	7.62	10.16	12.70	17.78	22.86

REVISION HISTORY

rev.	description	date
1.0	initial release	09/09/2026

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

same sky

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

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