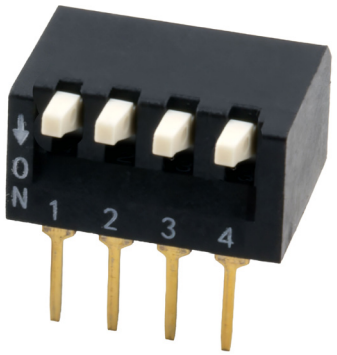
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SERIES: DS07-254 | DESCRIPTION: DIP SWITCH

FEATURES

- 2.54 pitch
- long and short pins
- 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				1,000	g
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

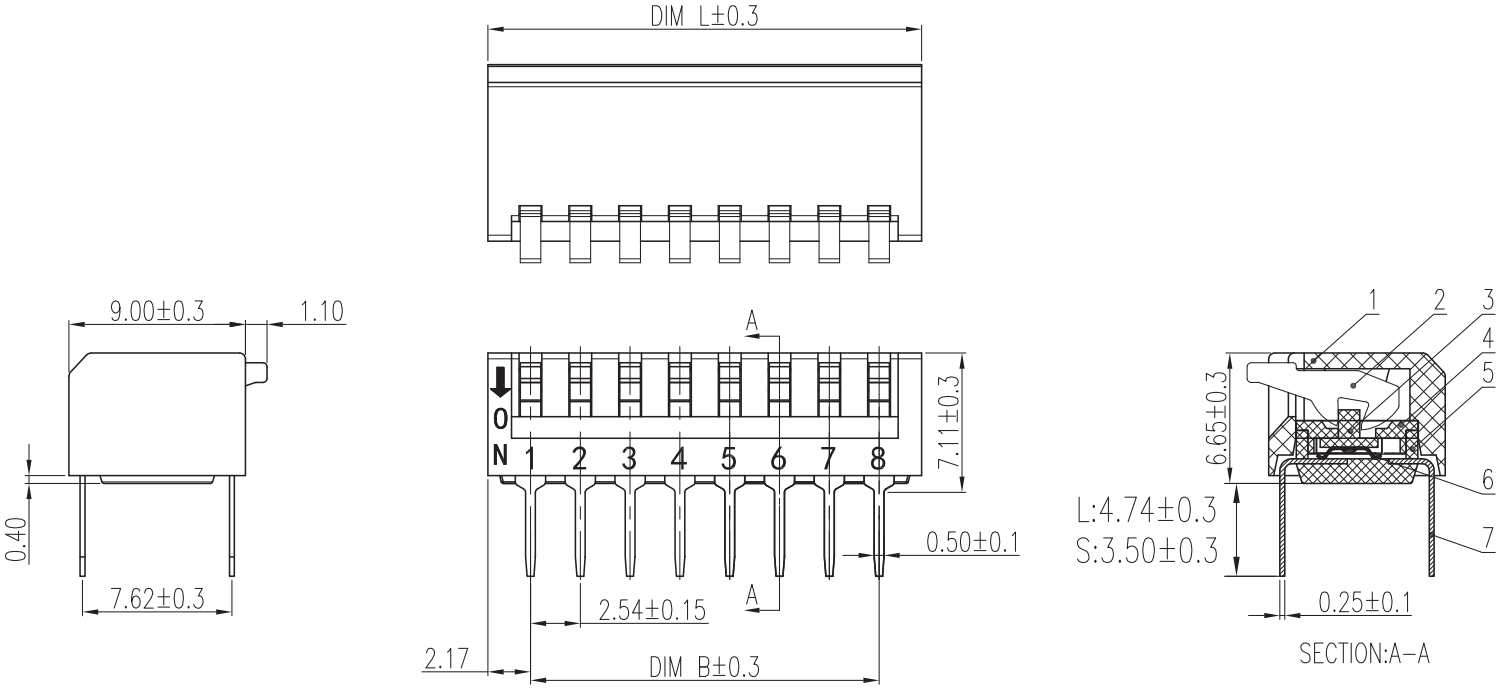
DS07 - 254 - XX - XX BK

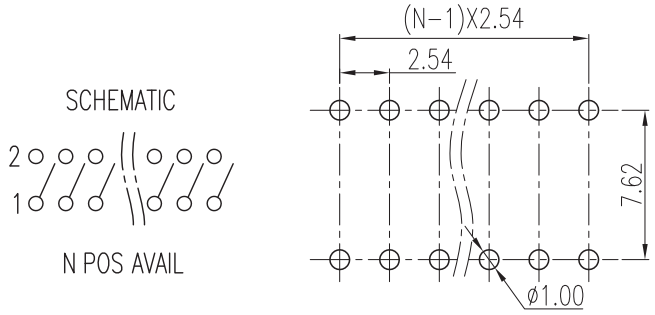
- Base Number
- Pin Length:
  - 1S = Short Pins
  - 1L = Long Pins
- No. of Poles:
  - 02
  - 03
  - 04
  - 05
  - 06
  - 08
  - 10

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	PA9T (UL94V-0)	white
2	actuator 1	PA46 (UL94V-0)	black
3	actuator 2	PA46 (UL94V-0)	---
4	cover 2	PA9T (UL94V-0)	black
5	base	PA9T (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.

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

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Same Sky 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.

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