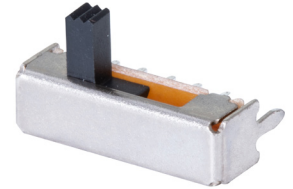


**MODEL:** SLW-147844-4A-RA-S-D | **DESCRIPTION:** SLIDE SWITCH**FEATURES**

- SP4T
- shorting
- through hole

**SPECIFICATIONS**

| parameter             | conditions/description                              | min | typ    | max | units  |
|-----------------------|---|-----|--------|-----|--------|
| rated voltage         |   |     |        | 50  | Vdc    |
| rated current         |   |     |        | 300 | mA     |
| withstanding voltage  | for 1 minute  |     | 500    |     | Vac    |
| contact resistance    | measured at 1 kHz at 100 mA or less                 |     |        | 100 | mΩ     |
| insulation resistance | at 500 Vdc for 1 minute                             | 100 |        |     | MΩ     |
| operating force       |   | 150 | 250    | 350 | gf     |
| actuator travel       |   | 1.8 | 2      | 2.2 | mm     |
| operating temperature |   | -20 |        | 70  | °C     |
| storage temperature   |   | -25 |        | 70  | °C     |
| life                  | at uniform rate of 15~18 cycles per minute, no load |     | 10,000 |     | cycles |
| vibration             | 10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ  |     |        |     |        |
| flammability rating   | see material table                                  |     |        |     |        |
| RoHS                  | yes   |     |        |     |        |

Notes: 1. All specifications measured at 5~35°C, humidity at 25~85%, under 86~106 kPa pressure, unless otherwise noted.

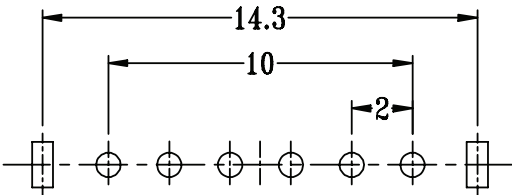
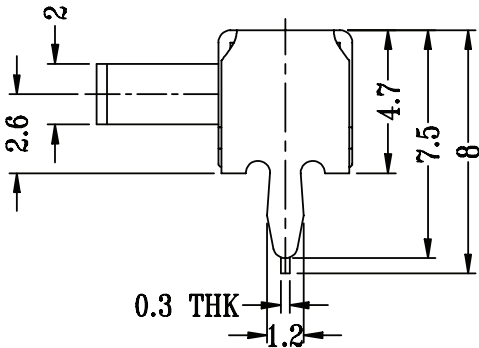
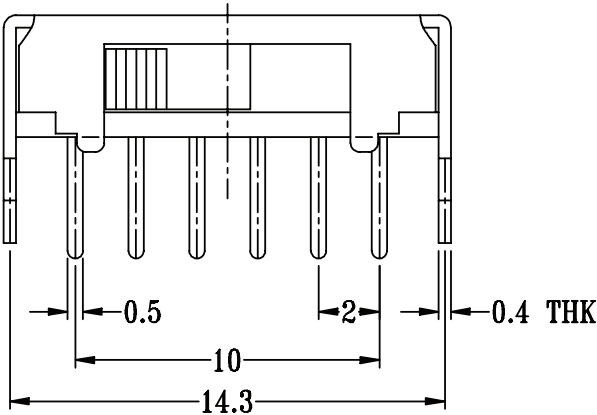
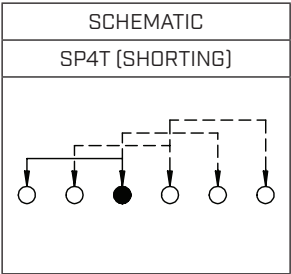
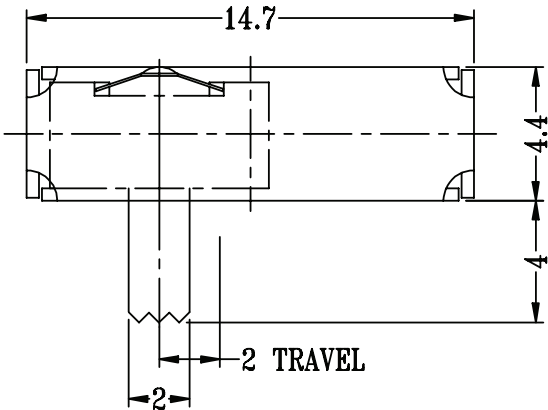
**SOLDERABILITY**

| parameter          | conditions/description  | min | typ | max | units |
|--------------------|---|-----|-----|-----|-------|
| hand soldering     | for 3±0.5 seconds   | 340 | 350 | 360 | °C    |
| wave soldering     | for 10±1 seconds  | 255 | 260 | 265 | °C    |
| storage conditions | -5~35°C, 25~80% humidity (avoid high temperature/<br>humidity, corrosive gases, and direct sunlight)<br>unopened for over 12 months: ensure there is no terminal<br>oxidation, blackening, no moisture absorption, and is<br>solderable |     |     |     |       |

MECHANICAL DRAWING

units: mm  
tolerance: ±0.30 mm  
unless otherwise specified  
PCB thickness: 1.6 mm

| DESCRIPTION  | MATERIAL                  | PLATING/COLOR |
|--------------|---------------------------|---------------|
| frame        | steel strip               | nickel        |
| knob         | PA66 [UL94HB]             | black         |
| base         | phenolic resin            | natural       |
| terminal     | brass strip               | silver        |
| contact clip | phosphorus copper [C5191] | silver        |
| spring plate | PBS strip                 | natural       |



Recommended PCB Layout  
Top View

REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 06/10/2024 |

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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