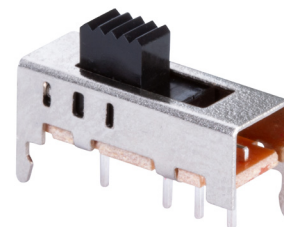


MODEL: SLW-178562-3A-S-D | **DESCRIPTION:** SLIDE SWITCH

FEATURES

- SP3T
- 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 | | 2.3 | 2.5 | 2.7 | 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.

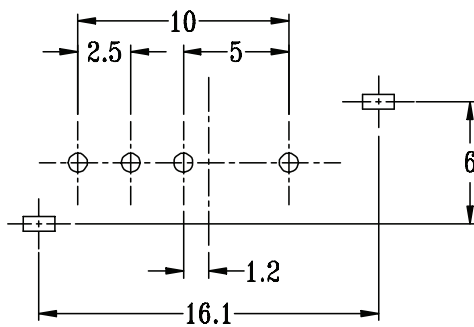
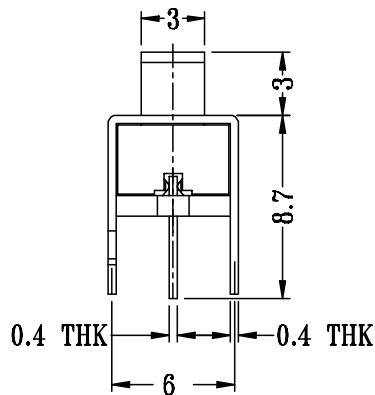
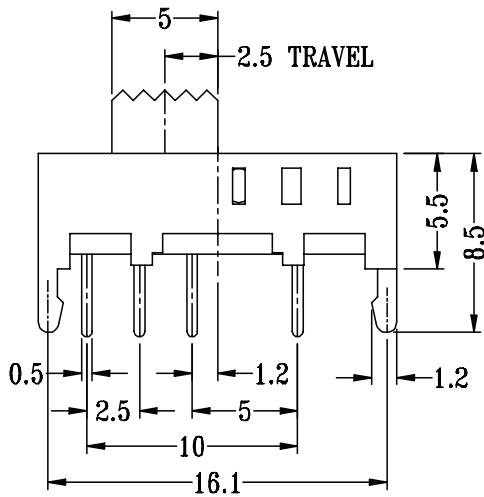
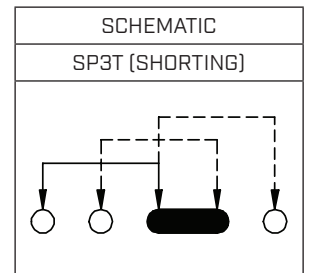
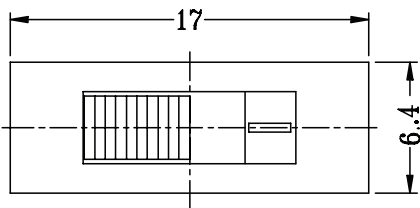
SOLDERABILITY

| 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/humidity, corrosive gases, and direct sunlight) unopened for over 12 months: ensure there is no terminal oxidation, blackening, no moisture absorption, and is 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 | POM (UL94HB) | black |
| base | phenolic resin | natural |
| terminal | brass strip | silver |
| contact clip | phosphorus copper (C5210) | silver |
| spring | steel wire | natural |
| steel ball | steel | natural |



Recommended PCB Layout
 Top View

REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 06/11/2024 |

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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