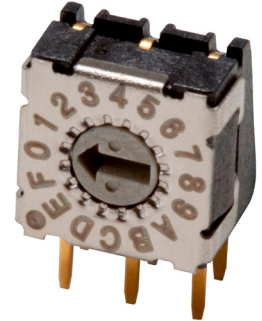


**SERIES:** RDS-74R-254 | **DESCRIPTION:** ROTARY DIP SWITCH**FEATURES**

- 10 and 16 positions
- flat actuator
- right angle
- 2.54 mm pitch

**SPECIFICATIONS**

| parameter             | conditions/description                         | min | typ    | max | units   |
|-----------------------|------------------------------------------------|-----|--------|-----|---------|
| rated voltage         | switching                                      |     |        | 42  | Vdc     |
|                       | non-switching                                  |     |        | 42  | Vdc     |
| rated current         | switching                                      |     |        | 100 | mA      |
|                       | non-switching                                  |     |        | 400 | mA      |
| withstanding voltage  | for 1 minute                                   |     | 250    |     | Vac     |
| contact resistance    |                                                |     |        | 80  | mΩ      |
| insulation resistance | at 250 Vdc                                     | 100 |        |     | MΩ      |
| operating torque      |                                                | 90  | 120    | 150 | gf*cm   |
| actuator travel       | continuous rotation                            |     | 360    |     | degrees |
| operating temperature |                                                | -60 |        | 125 | °C      |
| storage temperature   |                                                | -60 |        | 125 | °C      |
| life                  | at rated voltage, current, 15~20 cycles/minute |     | 25,000 |     | steps   |
| flammability rating   | UL94V-0                                        |     |        |     |         |
| RoHS                  | yes                                            |     |        |     |         |
| IP level              | IP67 (IEC 60529:2001)                          |     |        |     |         |

**SOLDERABILITY**

| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 3 seconds  |     |     | 350 | °C    |
| wave soldering | for maximum 5 seconds  |     |     | 280 | °C    |

**PART NUMBER KEY****RDS - XXS - 74R - 254 - D**

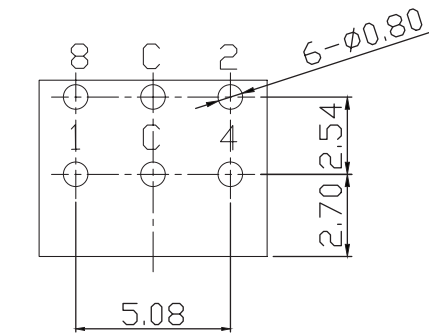
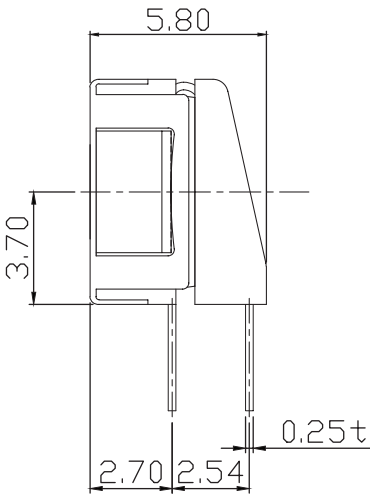
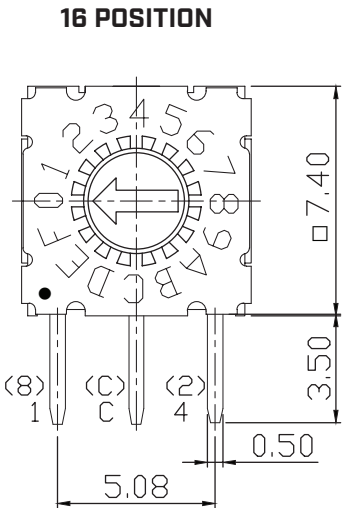
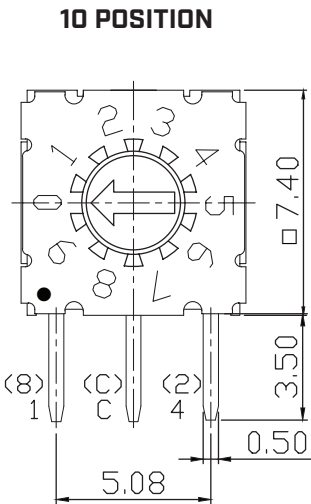
Base Number

No. of Positions:  
10 =10 Positions  
16 =16 Positions

MECHANICAL DRAWING

units: mm  
tolerance: ±0.3 mm  
unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL        | PLATING/COLOR                           |
|------|-------------|-----------------|-----------------------------------------|
| 1    | actuator    | LCP (UL94V-0)   | red [10 position]<br>gray [16 position] |
| 2    | housing     | LCP (UL94V-0)   | black                                   |
| 3    | face plate  | stainless steel |                                         |
| 4    | terminals   | copper alloy    | gold                                    |



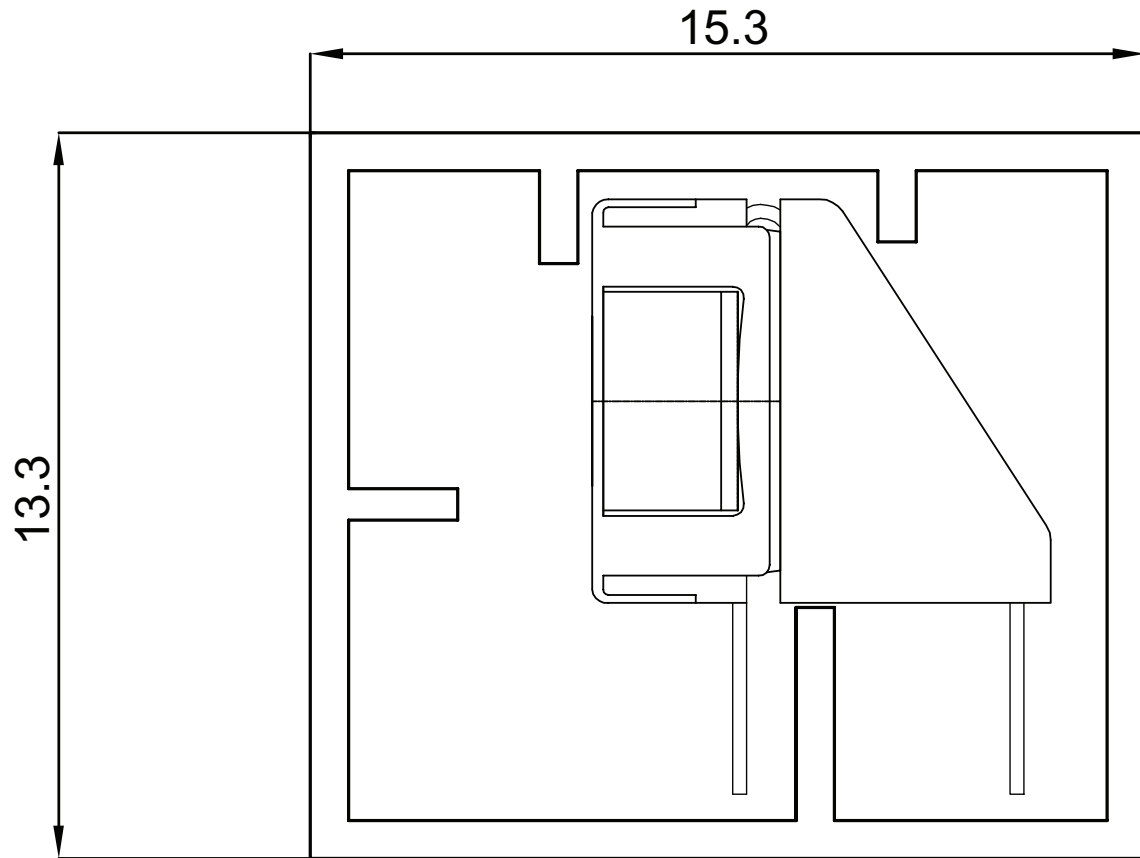
Recommended PCB Layout  
Top View

## PACKAGING

units: mm

Tube Size: 15.30 x 13.30 x 540 mm

Tube QTY: 70 pcs



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 10/01/2020 |
| 1.01 | logo, datasheet style update      | 08/05/2022 |
| 1.02 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



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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