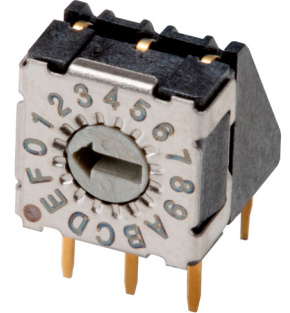


**SERIES:** RDS-74R-508 | **DESCRIPTION:** ROTARY DIP SWITCH**FEATURES**

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

**SPECIFICATIONS**

| parameter             | conditions/description                         | min | typ    | max        | units      |
|-----------------------|------------------------------------------------|-----|--------|------------|------------|
| rated voltage         | switching<br>non-switching                     |     |        | 42<br>42   | Vdc<br>Vdc |
| rated current         | switching<br>non-switching                     |     |        | 100<br>400 | mA<br>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 - 508 - D**

Base Number

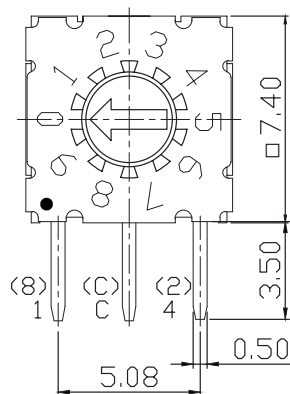
No. of Positions:  
10 =10 Positions  
16 =16 Positions

## MECHANICAL DRAWING

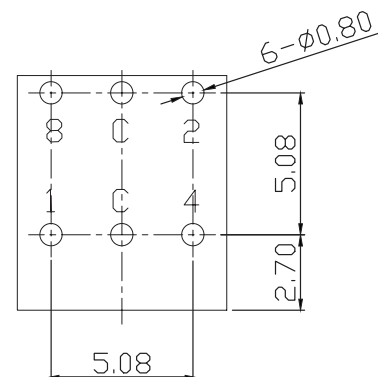
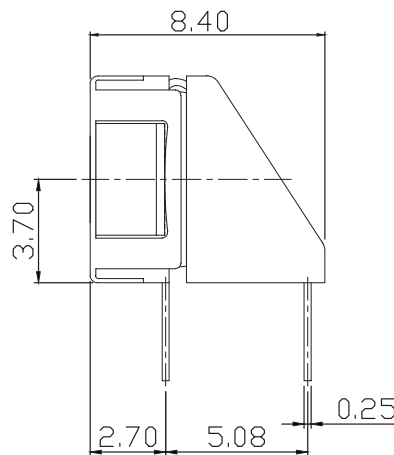
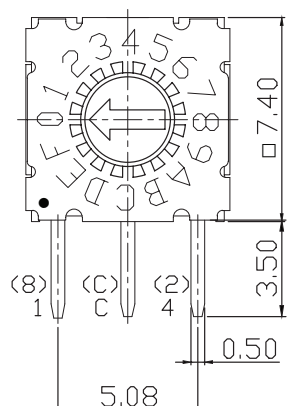
units: mm  
tolerance:  $\pm 0.3$  mm  
unless otherwise noted

| 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                                    |

10 POSITION



16 POSITION

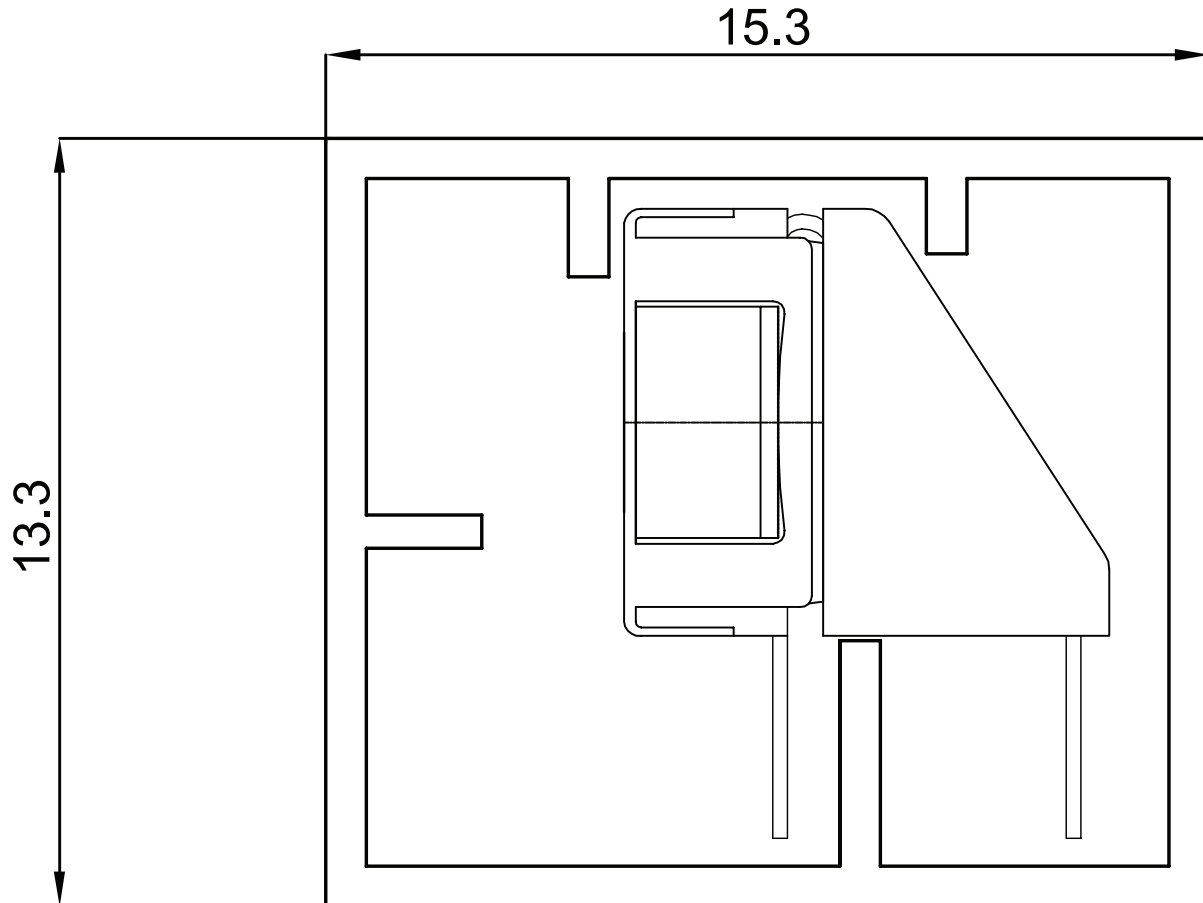
Recommended PCB Layout  
Top View

## 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 |

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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