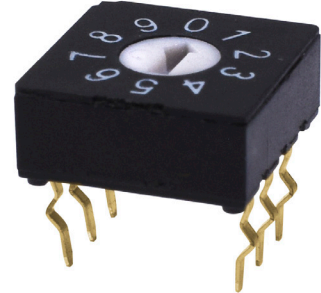


**SERIES:** RDS-1055 | **DESCRIPTION:** ROTARY DIP SWITCH**FEATURES**

- 10 and 16 positions
- flat actuator
- gold plated terminals
- through hole mounting

**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|-----------------------|----------------------------|--------|-----|-----------|------------|
| rated voltage | switching non-switching | | | 24 50 | Vdc Vdc |
| rated current | switching non-switching | | | 25 100 | mA mA |
| withstanding voltage | for 1 minute | | 250 | | Vac |
| contact resistance | initial after life test | | | 50 100 | mΩ mΩ |
| insulation resistance | at 250 Vdc | 100 | | | MΩ |
| operating torque | | | | 500 | gf*cm |
| dial travel | continuous rotation | | 360 | | degrees |
| operating temperature | | -40 | | 85 | °C |
| storage temperature | | -40 | | 85 | °C |
| life | | 10,000 | | | steps |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| hand soldering | for maximum 3 seconds | 315 | 320 | 325 | °C |
| wave soldering | for maximum 5 seconds | 240 | 250 | 260 | °C |

PART NUMBER KEY

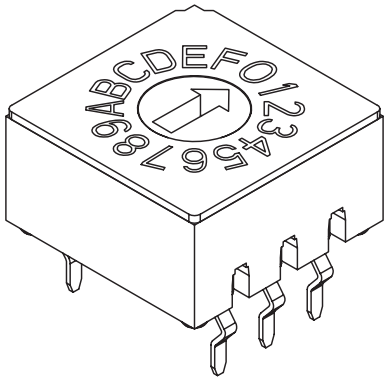
RDS - XXS - 1055 - D

Base Number

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

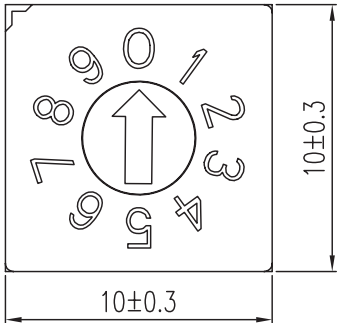
MECHANICAL DRAWING

units: mm
tolerance:
 $X \leq 0.5$: ± 0.25 mm
 $0.5 < X \leq 3.0$: ± 0.15 mm
 $3.0 < X \leq 6.0$: ± 0.20 mm
 $6.0 < X \leq 30.0$: ± 0.25 mm
 $30.0 < X \leq 120.0$: ± 0.30 mm
 $120.0 < X \leq 400.0$: ± 0.50 mm
 $X > 400.0$: ± 0.80 mm
unless otherwise noted

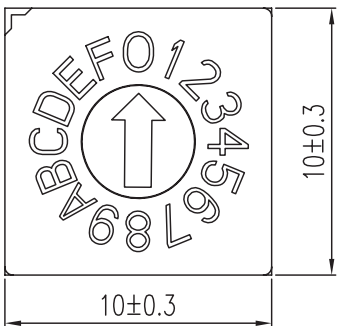


| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|------|-------------|----------------|---------------|
| 1 | dial | PA9T [UL94V-0] | gray |
| 2 | housing | PA9T [UL94V-0] | black |
| 3 | base | PA9T [UL94V-0] | black |
| 4 | terminals | copper alloy | gold |

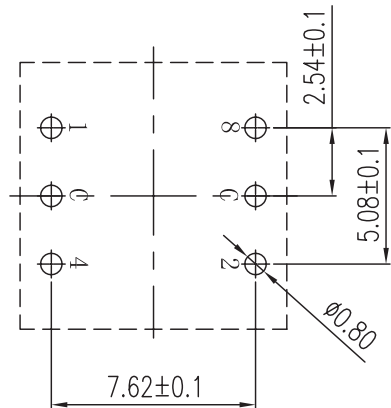
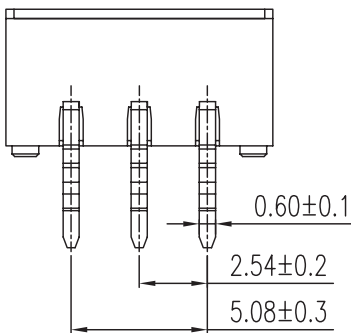
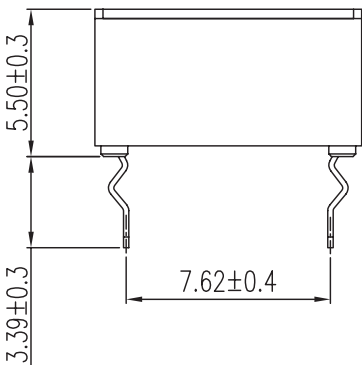
10 POSITION



16 POSITION



| ON ○ | | | | | | |
|---------|---|------|---|---|---|---|
| OFF ● | | CODE | | | | |
| TYPE | | POS | 1 | 2 | 4 | 8 |
| 10 STEP | 0 | ● | ● | ● | ● | ● |
| | 1 | ○ | ● | ● | ● | ● |
| | 2 | ● | ○ | ● | ● | ● |
| | 3 | ○ | ○ | ● | ● | ● |
| | 4 | ● | ● | ○ | ● | ● |
| | 5 | ○ | ● | ○ | ● | ● |
| | 6 | ● | ○ | ○ | ● | ● |
| | 7 | ○ | ○ | ○ | ● | ● |
| | 8 | ● | ● | ● | ○ | ○ |
| | 9 | ○ | ● | ● | ○ | ○ |
| 16 STEP | A | ● | ○ | ● | ○ | ○ |
| | B | ○ | ○ | ● | ○ | ○ |
| | C | ● | ● | ○ | ○ | ○ |
| | D | ○ | ● | ○ | ○ | ○ |
| | E | ● | ○ | ○ | ○ | ○ |
| | F | ○ | ○ | ○ | ○ | ○ |

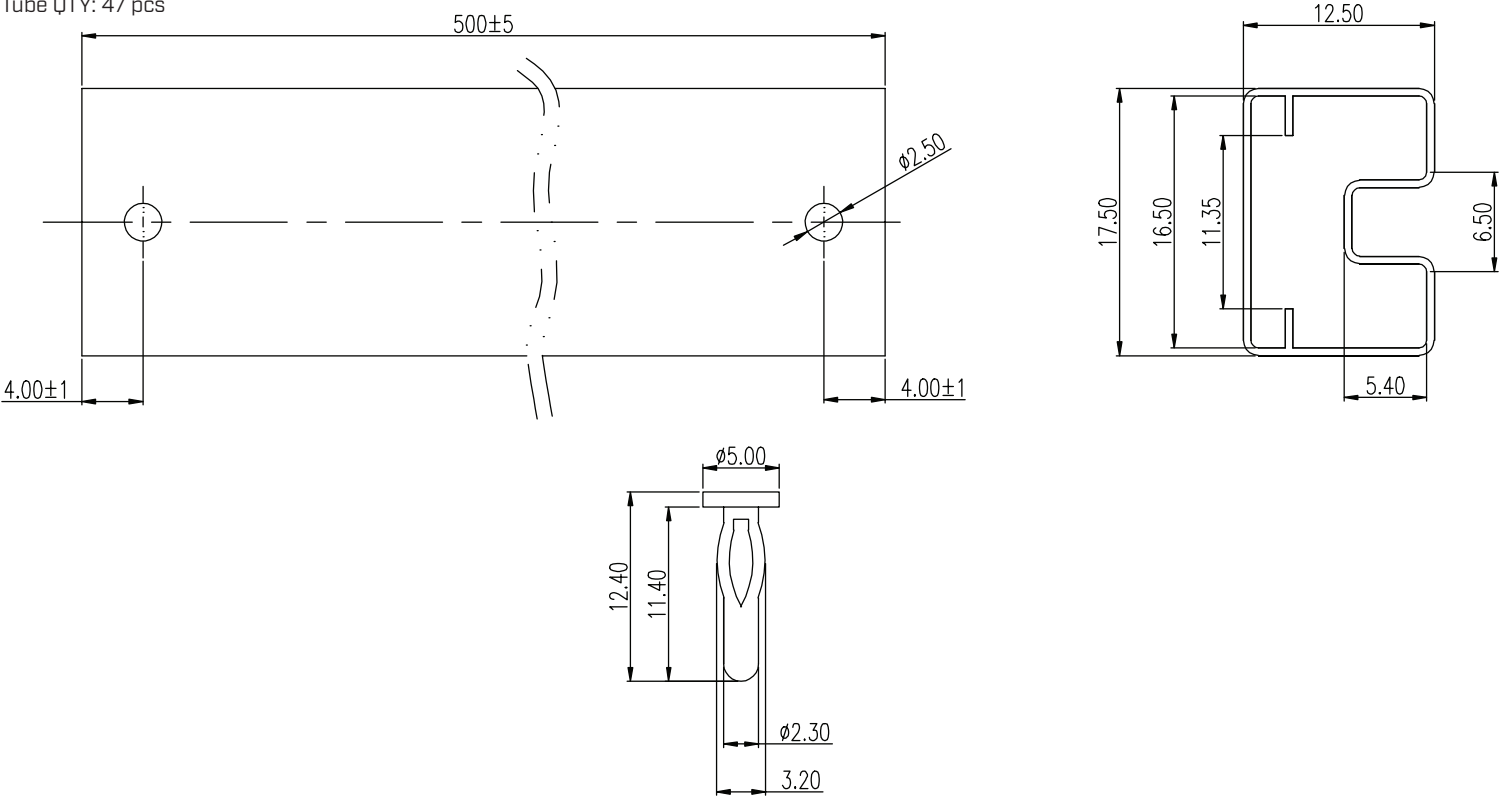


Recommended PCB Layout
Top View

PACKAGING

units: mm

Tube Size: 17.50 x 12.50 x 500 mm
Tube QTY: 47 pcs



REVISION HISTORY

| rev. | description | date |
|------|-----------------------------------|------------|
| 1.0 | initial release | 05/21/2020 |
| 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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