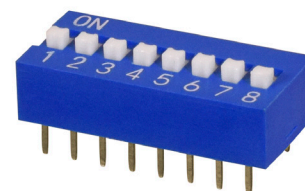


SERIES: DS01-254 | DESCRIPTION: DIP SWITCH

FEATURES

- 2.54 mm pitch
- convex or flat bottom option
- 1~12 pole options
- long or short pin option
- raised actuator
- through hole



SPECIFICATIONS

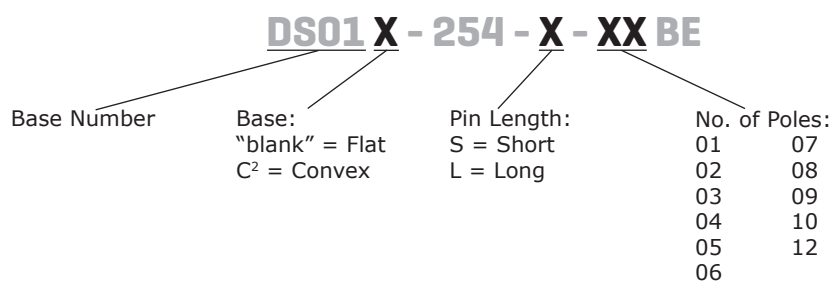
| parameter | conditions/description | min | typ | max | units |
|--------------------------|------------------------|------|-----|------|--------|
| rated voltage (per pole) | switching | | | 24 | Vdc |
| | non-switching | | | 50 | Vdc |
| rated current (per pole) | switching | | | 25 | mA |
| | non-switching | | | 100 | mA |
| withstanding voltage | for 1 minute | | 300 | | Vac |
| contact resistance | initial | | | 50 | mΩ |
| | after life test | | | 100 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| operating force | | | | 1000 | g |
| switch travel | | | | 2 | mm |
| operating temperature | | -40 | | 85 | °C |
| storage temperature | | -40 | | 85 | °C |
| life | | 2000 | | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|-----------------------------|------------------------|-----|-----|-----|-------|
| hand soldering ¹ | for maximum 3 seconds | 315 | 320 | 325 | °C |
| wave soldering ¹ | for maximum 5 seconds | 240 | 250 | 260 | °C |

Notes: 1. Keep in "off" position during soldering.

PART NUMBER KEY

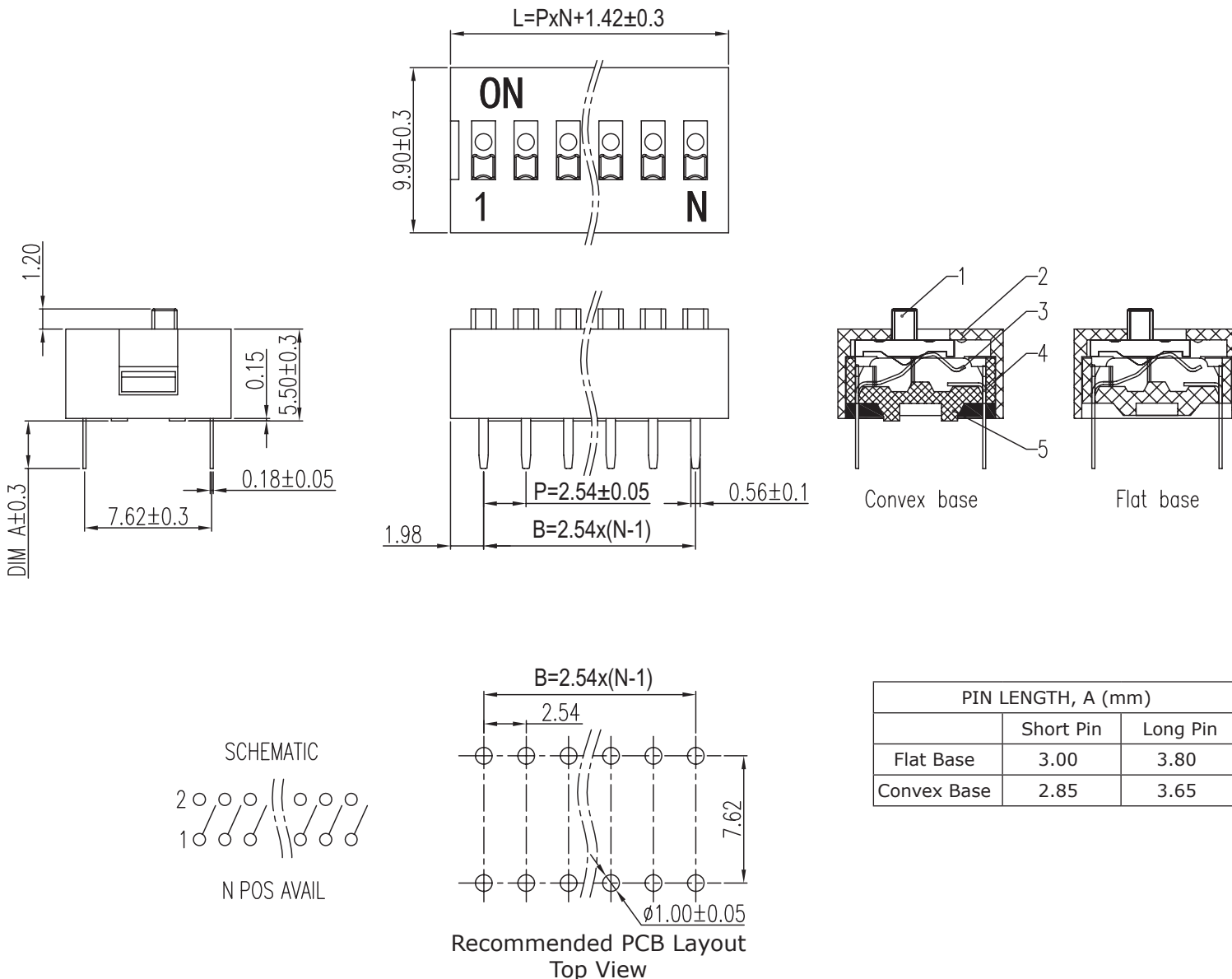


Notes: 2. Convex base only available in poles 3~12.

MECHANICAL DRAWING

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

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|------|-------------|---------------|---------------|
| 1 | actuator | PBT (UL94V-0) | white |
| 2 | housing | PBT (UL94V-0) | blue |
| 3 | pin 1 | copper alloy | gold |
| 4 | pin 2 | copper alloy | gold |
| 5 | base | PBT (UL94V-0) | black |



| PIN LENGTH, A (mm) | | |
|--------------------|-----------|----------|
| | Short Pin | Long Pin |
| Flat Base | 3.00 | 3.80 |
| Convex Base | 2.85 | 3.65 |

This series is constructed of single piece modules where L is the total length, P is the pitch, and N is the number of poles.

| N | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 12 |
|---|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L | 3.96 | 6.50 | 9.04 | 11.58 | 14.12 | 16.66 | 19.20 | 21.74 | 24.28 | 26.82 | 31.90 |
| B | -- | 2.54 | 5.08 | 7.62 | 10.16 | 12.70 | 15.24 | 17.78 | 20.32 | 22.86 | 27.94 |

REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 11/21/2019 |

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

CUI DEVICES

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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