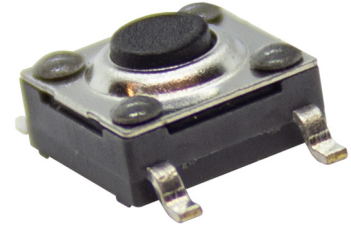
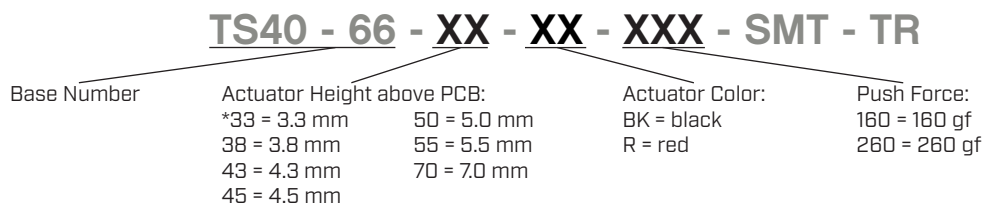


**SERIES:** TS40 | **DESCRIPTION:** TACTILE SWITCH**FEATURES**

- red actuator
- black actuator
- 160 & 260 gf

**SPECIFICATIONS**

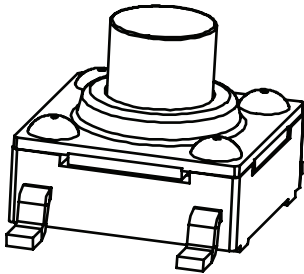
| parameter             | conditions/description                                   | min  | typ     | max  | units  |
|-----------------------|--|------|---------|------|--------|
| rated voltage         |  | 1    |         | 12   | Vdc    |
| rated current         |  | 0.01 |         | 50   | mA     |
| withstanding voltage  | for 1 minute   |      | 250     |      | Vac    |
| contact resistance    | applying load of 2 times operating force at 5 Vdc, 10 mA |      |         | 100  | mΩ     |
| insulation resistance | at 100 Vdc for 1 minute                                  | 100  |         |      | MΩ     |
| operating force       | 160 gf models  | 110  | 160     | 210  | gf     |
|                       | 260 gf models  | 190  | 260     | 330  | gf     |
| return force          |  | 20   |         |      | gf     |
| actuator travel       |  | 0.20 | 0.30    | 0.40 | mm     |
| operating temperature |  | -20  |         | 70   | °C     |
| storage temperature   |  | -40  |         | 85   | °C     |
| life                  | rated load, 2 cycle/second, 1.5 times operating force    |      | 100,000 |      | cycles |
| vibration             | 10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ       |      |         |      |        |
| flammability rating   | see material table                                       |      |         |      |        |
| RoHS                  | yes  |      |         |      |        |

**PART NUMBER KEY**

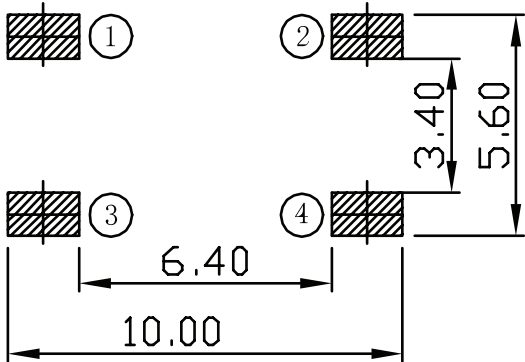
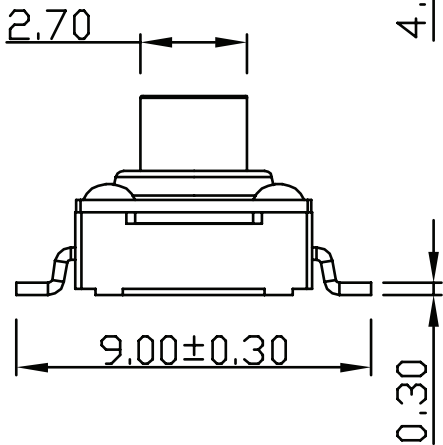
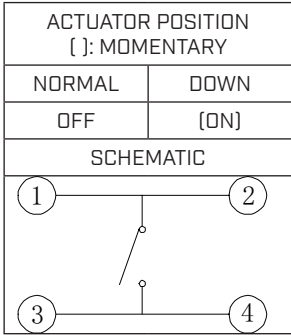
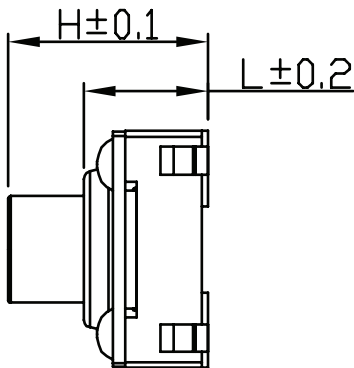
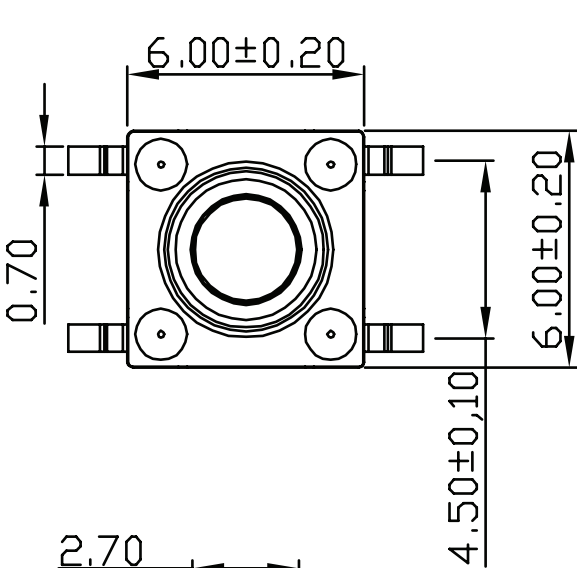
Note: \*3.3 mm height option only available with black actuator.

MECHANICAL DRAWING

units: mm  
tolerance: ±0.2 mm  
unless otherwise noted



| DESCRIPTION         | MATERIAL     | PLATING/COLOR       |
|---------------------|--------------|---------------------|
| terminals           | brass        | silver              |
| housing             | PPA (UL94HB) | black               |
| contacts            | SUS          | silver              |
| cover               | SUS          | --                  |
| waterproof silicone | silicone     | black               |
| stem                | PPA (UL94HB) | see part number key |

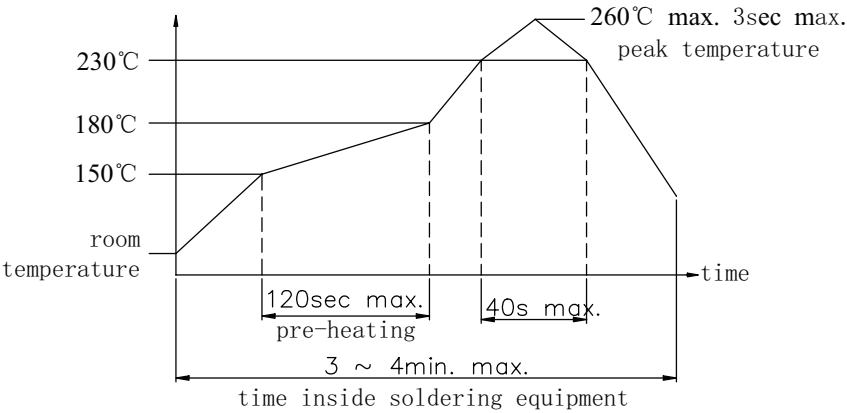


Recommended PCB Layout  
Top View

| Height Table           |        |         |                        |        |         |
|------------------------|--------|---------|------------------------|--------|---------|
| Actuator Height Models | H      | L       | Actuator Height Models | H      | L       |
| 33                     | 3.3 mm | 2.80 mm | 50                     | 5.0 mm | 3.15 mm |
| 38                     | 3.8 mm |         | 55                     | 5.5 mm |         |
| 43                     | 4.3 mm | 3.15 mm | 70                     | 7.0 mm |         |
| 45                     | 4.5 mm |         |                        |        |         |

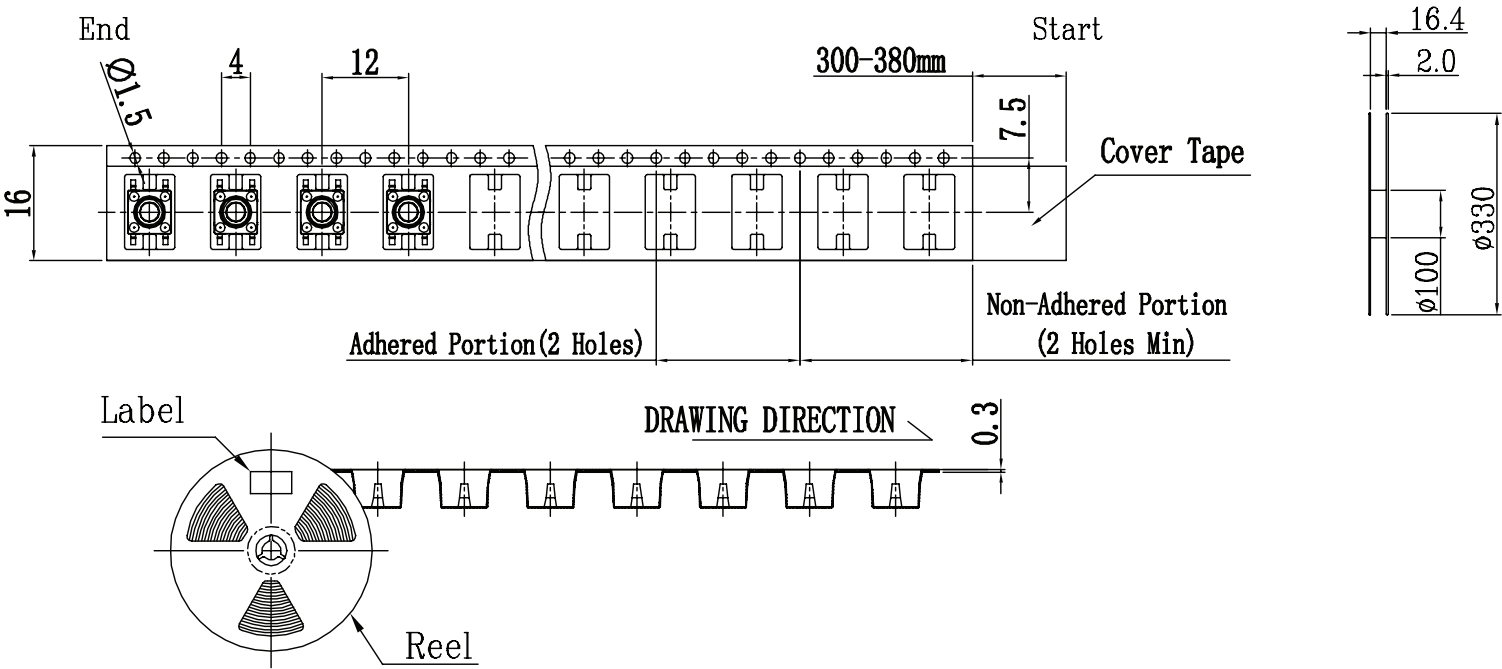
SOLDERABILITY

| parameter        | conditions/description | min | typ | max | units |
|------------------|------------------------|-----|-----|-----|-------|
| hand soldering   | for maximum 3 seconds  |     |     | 350 | °C    |
| reflow soldering | see reflow profile     |     |     | 260 | °C    |



PACKAGING

| Packaging Table             |                |          |
|-----------------------------|----------------|----------|
| Actuator Height Models (mm) | Reel Size (mm) | Reel Qty |
| 3.3-3.8                     | Ø330           | 1,500    |
| 4.3-5.5                     | Ø330           | 1,000    |
| 7.0                         | Ø330           | 700      |



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/20/2025 |

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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