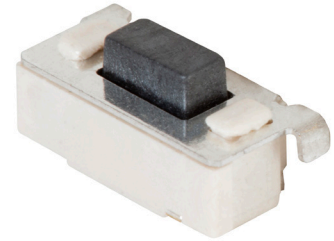


SERIES: TS32 | **DESCRIPTION:** TACTILE SWITCH**FEATURES**

- right angle
- with & without boss
- halogen & halogen free

**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 | | | | 100 | mΩ |
| insulation resistance | at 100 Vdc | 100 | | | MΩ |
| operating force | 160 gf models 260 gf models | 110 190 | 160 260 | 210 330 | gf gf |
| return force | | 30 | | | gf |
| actuator travel | | 0.15 | 0.25 | 0.35 | mm |
| operating temperature | | -40 | | 85 | °C |
| storage temperature | | -40 | | 85 | °C |
| life | at 5 Vdc, 5 mA, 2 cycles/second, 1.5 times operating force 160 gf models 260 gf models | | 100,000 50,000 | | cycles 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

TS32 - 7 - 35 - BK - X - XXX - RA - X - SMT - TR

Base Number

Boss:
'blank' = no boss
B = with boss

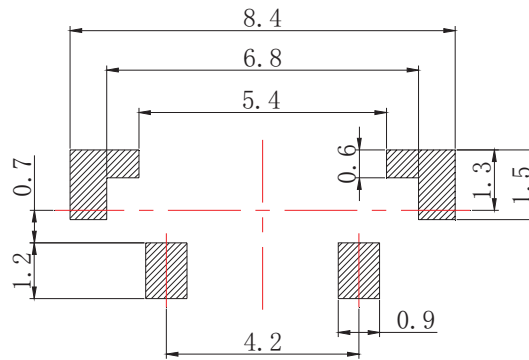
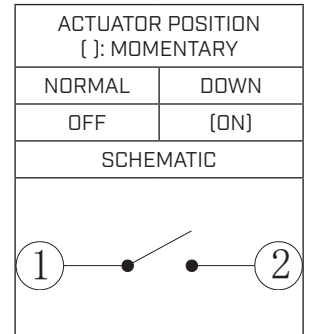
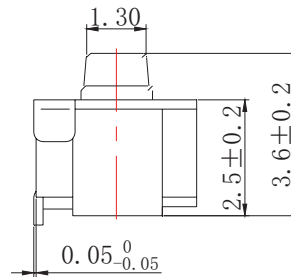
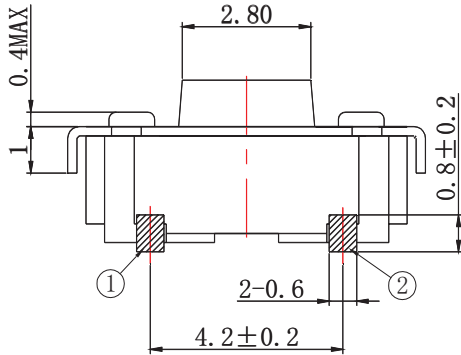
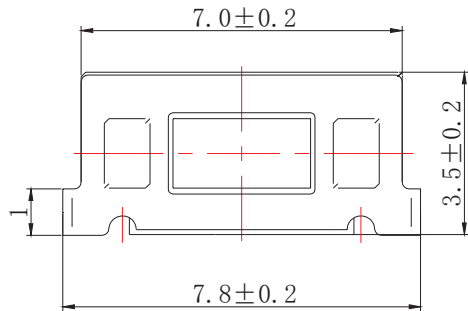
Actuator Force (gf):
160 = 160
260 = 260

Halogen Free:
'blank' = with halogen
H = halogen free

MECHANICAL DRAWING (NO BOSS)

units: mm
 tolerance:
 L≤10: ±0.3
 10<L≤100: ±0.5
 100<L: ±0.6
 unless otherwise specified

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|-----------------|---------------|
| housing | LCP | white |
| terminal | brass | silver |
| dome | stainless steel | silver |
| cover | brass | tin |
| stem | LCP | black |

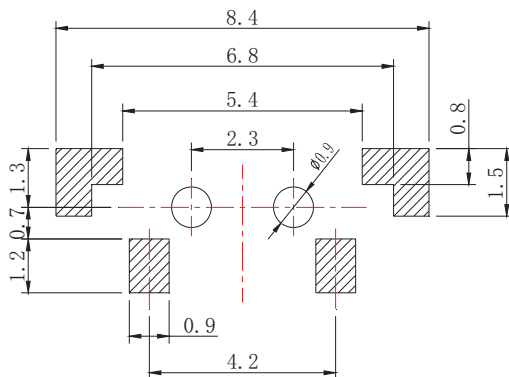
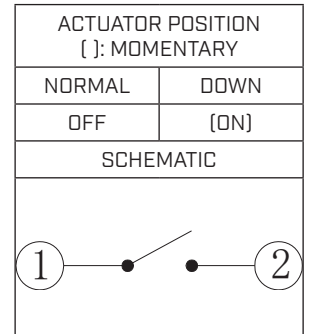
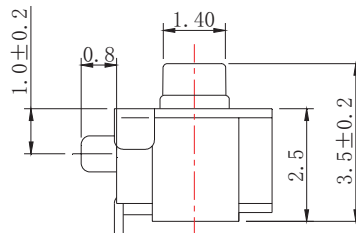
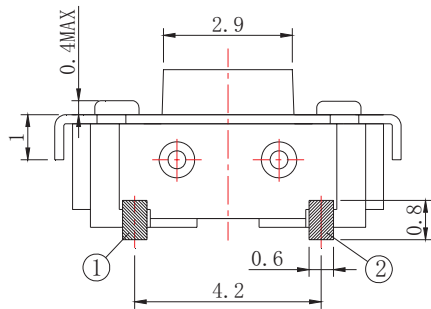
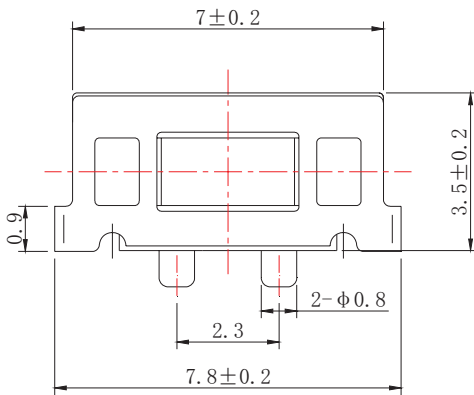


Recommended PCB Layout
Top View

MECHANICAL DRAWING (WITH BOSS)

units: mm
 tolerance:
 $L \leq 10$: ± 0.3
 $10 < L \leq 100$: ± 0.5
 $100 < L$: ± 0.6
 unless otherwise specified

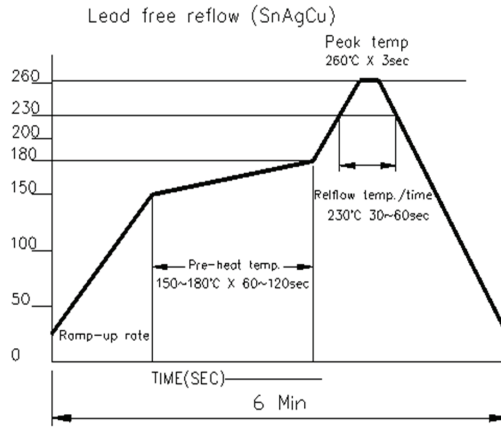
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|-----------------|---------------|
| housing | LCP | white |
| terminal | brass | silver |
| dome | stainless steel | silver |
| cover | brass | tin |
| stem | LCP | black |



Recommended PCB Layout
Top View

SOLDERABILITY

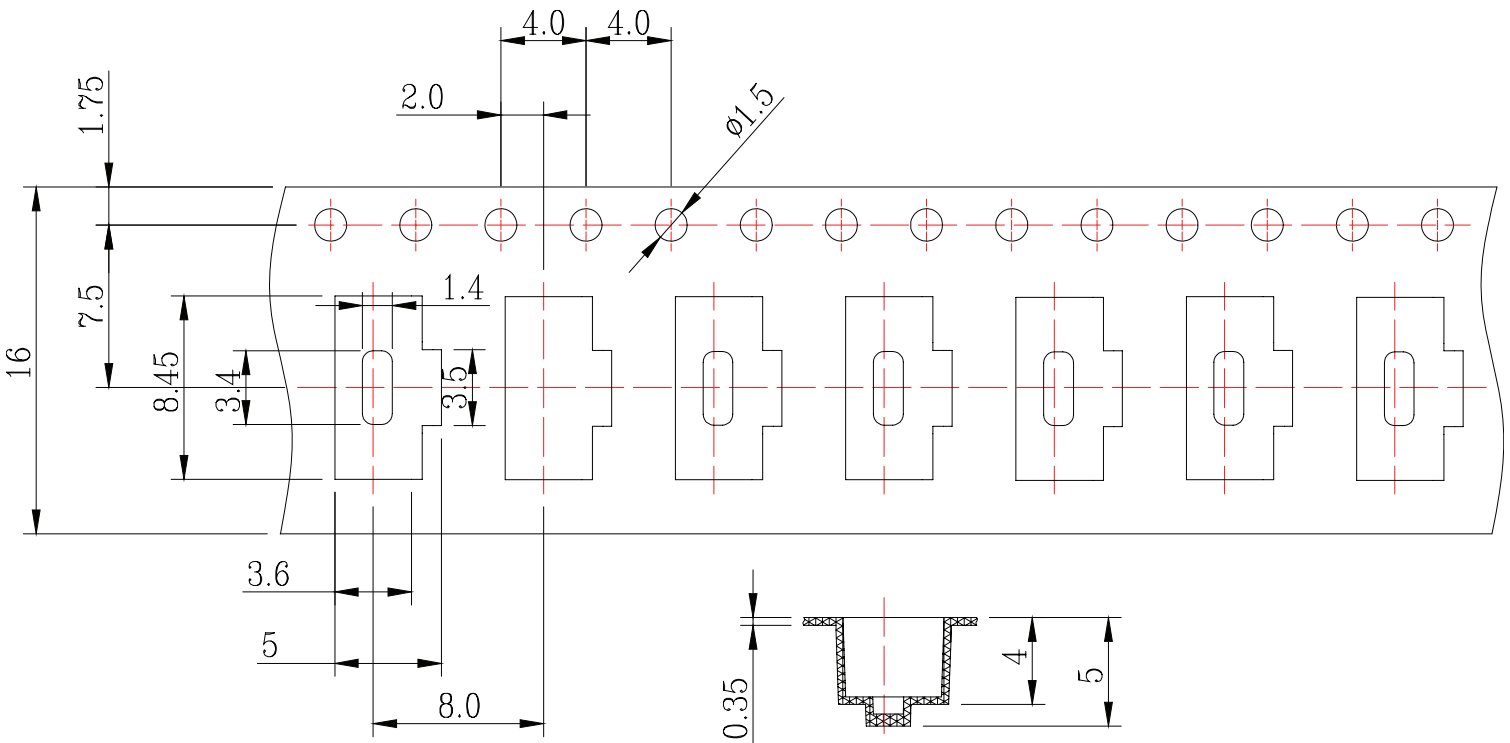
| parameter | conditions/description | min | typ | max | units |
|------------------|------------------------|-----|-----|-----|-------|
| reflow soldering | | | 260 | | °C |



PACKAGING

units: mm

Reel QTY: 2,000 pcs



REVISION HISTORY

| rev. | description | date |
|------|-----------------|------------|
| 1.0 | initial release | 12/09/2024 |

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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