

**SERIES:** TS03 | **DESCRIPTION:** TACTILE SWITCH**FEATURES**

- IP67
- long crimped pins
- through hole

**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	see force table				
actuator travel		0.15	0.25	0.35	mm
operating temperature		-30		80	°C
storage temperature		-40		90	°C
life	rated load, 2 cycles/second, 1.5 times operating force 160 gf models 260 gf models		80,000 60,000		cycles cycles
vibration	10-55-10 Hz, 1.5 mm amplitude, 2 hours on each XYZ				
flammability rating	see material table				
RoHS	yes				
IP level	IP67				

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
wave soldering	for maximum 5 seconds			260	°C

**PART NUMBER KEY**

**TS03 - 66 - XX - BK - XXX - LCR - D - 67**

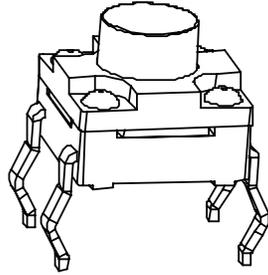
Base Number

Actuator Height:  
50 = 5.0 mm  
70 = 7.0 mm  
80 = 8.0 mm  
95 = 9.5 mm

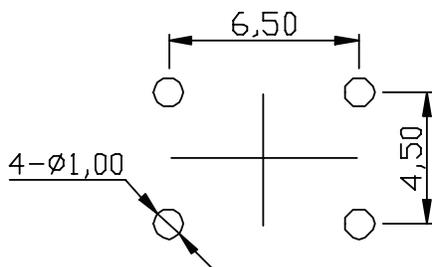
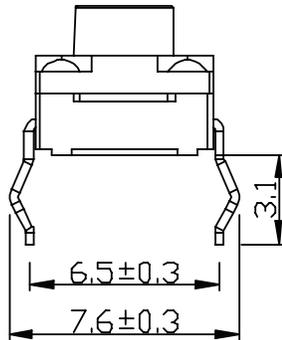
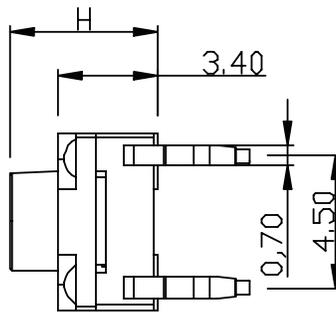
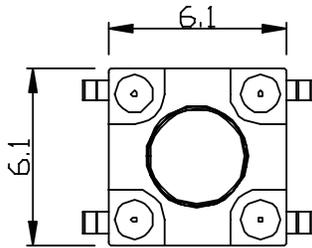
Push Force:  
160 = 160 gf  
260 = 260 gf

## MECHANICAL DRAWING

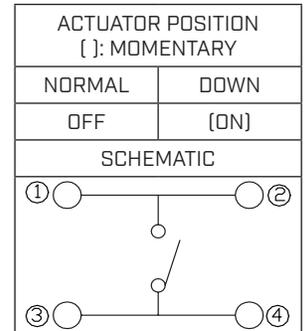
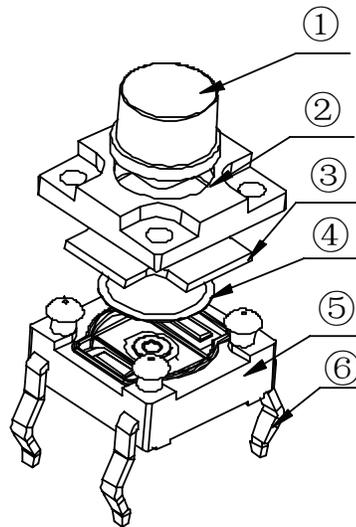
units: mm  
 tolerance: ±0.2 mm  
 unless otherwise noted



ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	stem	PPA [UL94V-0]	black
2	cover	PPA [UL94V-0]	black
3	silicone pads	silica gel	black
4	contacts	SUS	silver
5	case	PPA [UL94V-0]	black
6	terminals	brass	silver



Recommended PCB Layout  
Top View

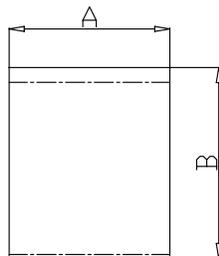


Operting Force Table		
Model	Press Force [N]	Return Force [N]
160	1.6±0.5	>0.2
260	2.6±0.5	>0.2

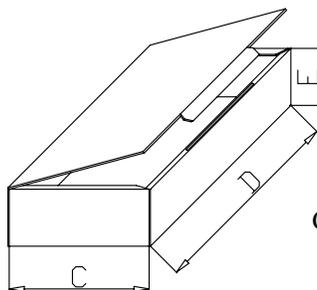
## PACKAGING

units: mm

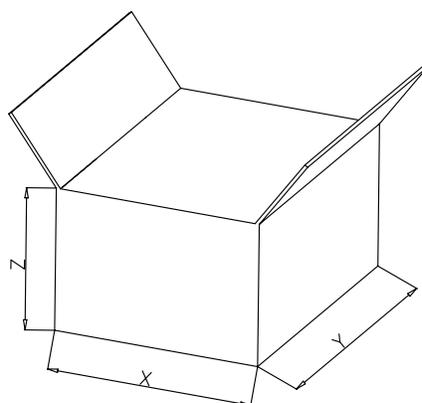
Bag Size: 190 x 160 mm  
Carton Box Size: 445 x 350 x 280 mm  
Bag QTY: 1,000 pcs per bag  
Carton Box QTY: 60,000 pcs per carton



A=160mm、B=190mm



C=160mm、D=216mm、E=48mm



X=350mm、Y=455、Z=280mm

## REVISION HISTORY

rev.	description	date
1.0	initial release	09/20/2021
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024
1.03	modified mold	03/18/2026

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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