

**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

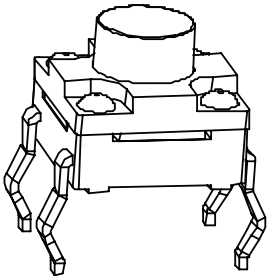
PART NUMBER KEY**TS03 - 66 - XX - BK - XXX - LCR - D - 67**

Base Number

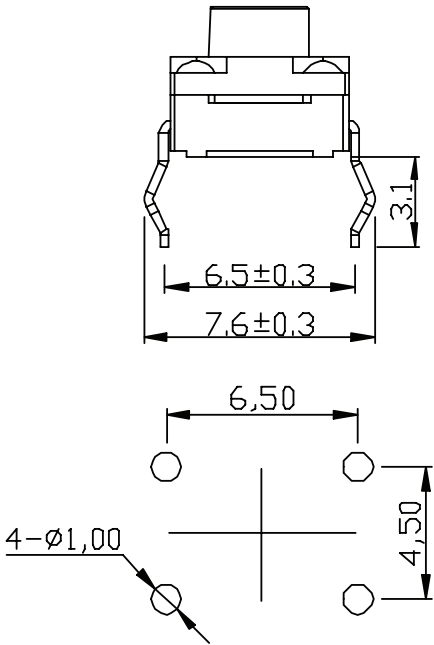
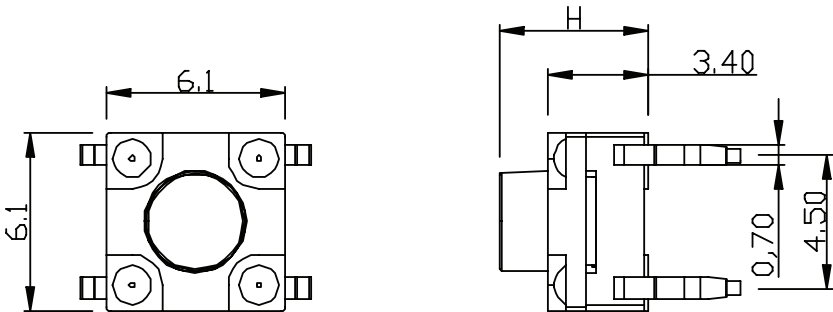
Actuator Height:
50 = 5.0 mm
70 = 7.0 mm
80 = 8.0 mm
95 = 9.5 mmPush Force:
160 = 160 gf
260 = 260 gf

MECHANICAL DRAWING

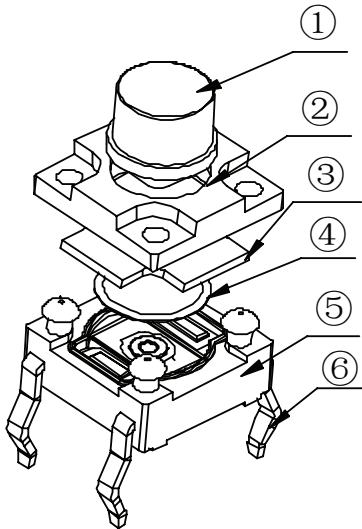
units: mm
tolerance: ±0.2 mm
unless otherwise noted



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



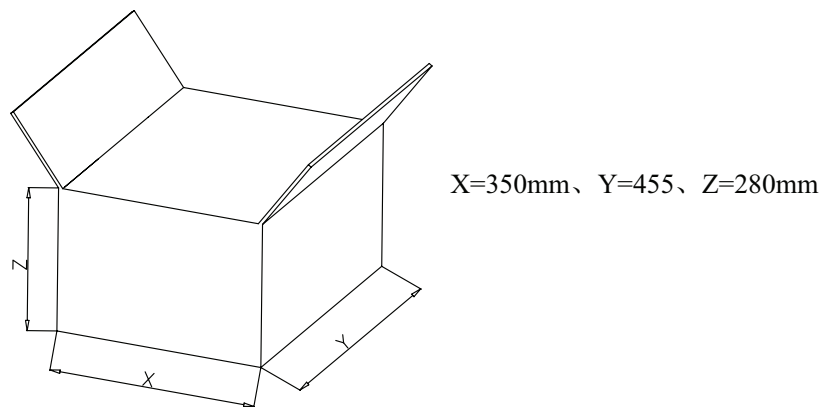
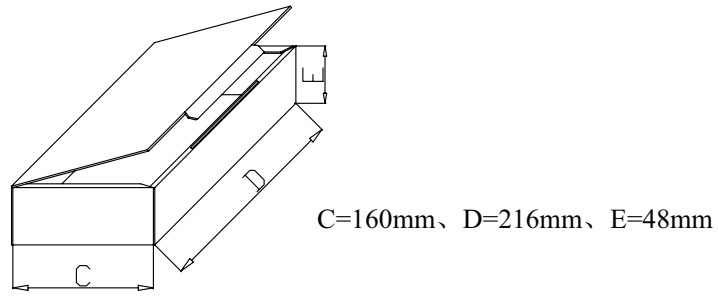
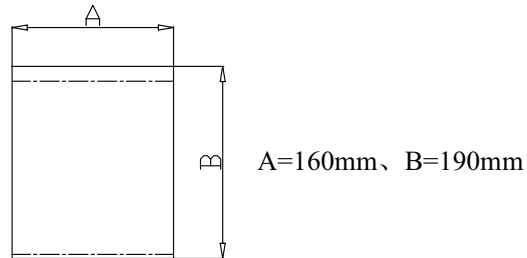
ACTUATOR POSITION []: MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	
①	②
③	④

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



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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