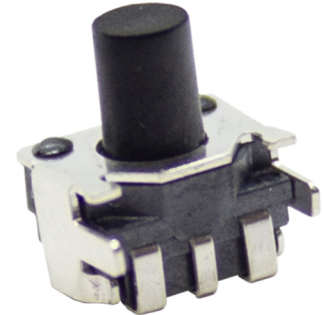


**SERIES:** TS41 | **DESCRIPTION:** TACTILE SWITCH**FEATURES**

- white 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		0.10	0.20	0.30	mm
operating temperature		-30		80	°C
storage temperature		-40		90	°C
life	at 5 Vdc, 5 mA, 2 cycles/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**TS41 - 4539 - XX - XX - XXX - SMT - TR**

Base Number

Actuator Height above PCB:

*35 = 3.5 mm

*40 = 4.0 mm

**50 = 5.0 mm

**60 = 6.0 mm

**65 = 6.5 mm

Actuator Color:

BK = black

WT = white

Push Force:

160 = 160 gf

260 = 260 gf

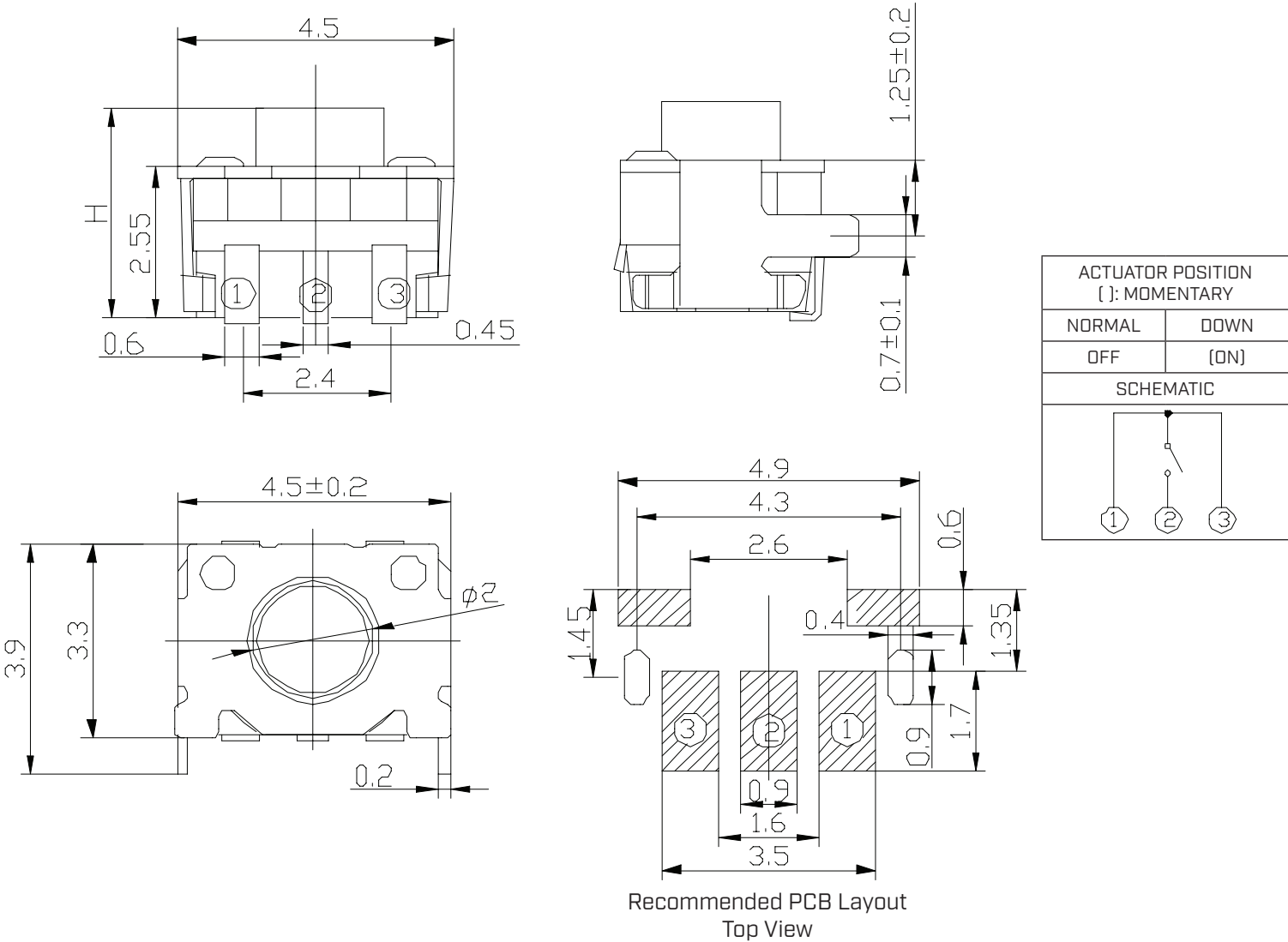
Note: * Only available with white actuator.

** Only available with black actuator.

MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm
unless otherwise noted

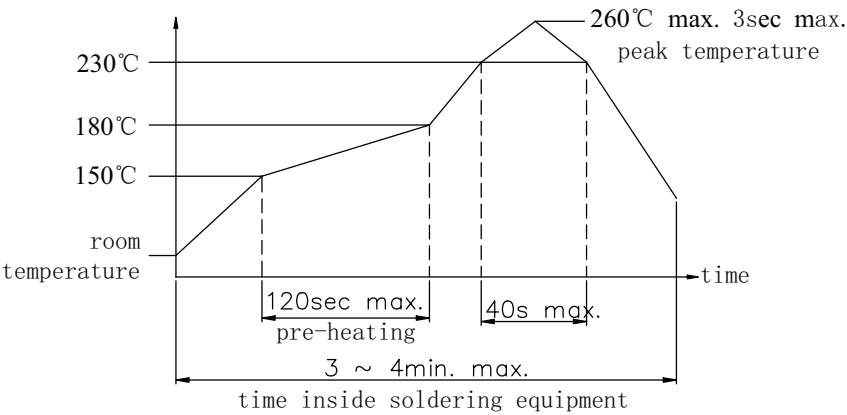
DESCRIPTION	MATERIAL	PLATING/COLOR
terminals	phosphor copper	silver
housing	LCP (UL94V-0)	black
contacts	SUS	silver
cover	phosphor copper	silver
stem	PPA (UL94HB)	see part number key



Height Table			
Actuator Height Models	H	Actuator Height Models	H
35	3.5 mm	60	6.0 mm
40	4.0 mm	65	6.5 mm
50	5.0 mm		

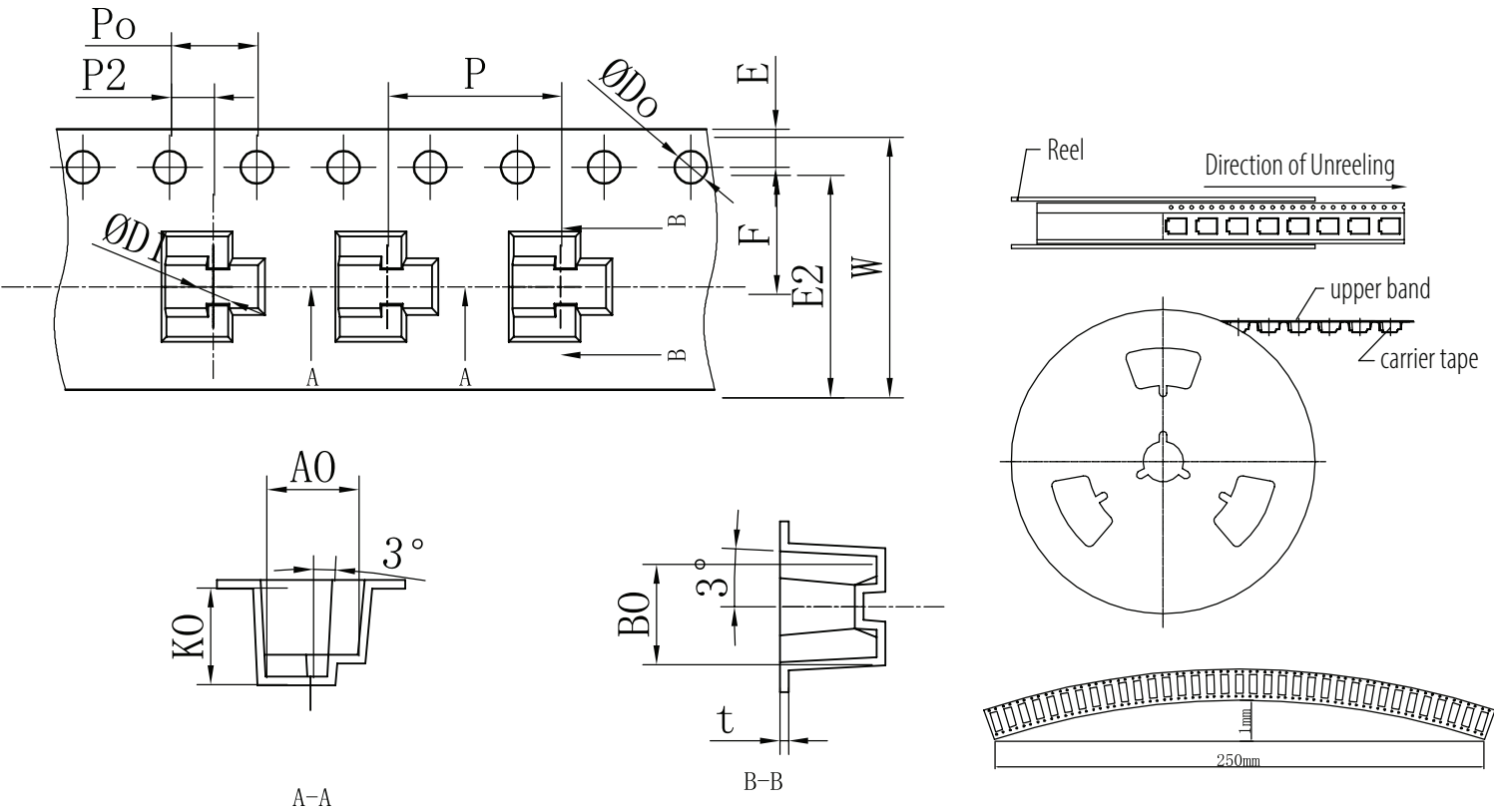
SOLDERABILITY

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



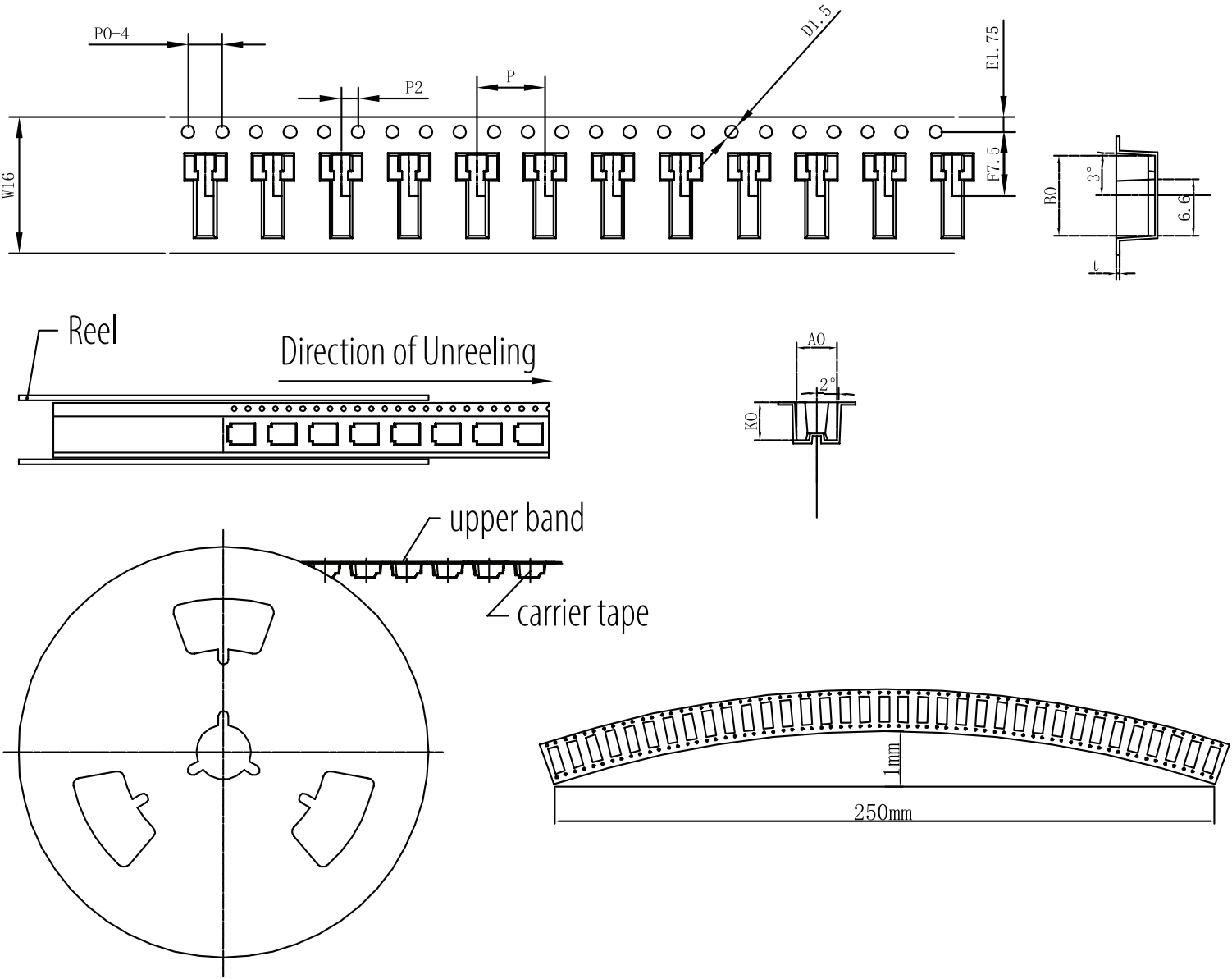
PACKAGING

Packaging Table													
Actuator Height Models (mm)	Reel QTY	Reel Size (mm)	E (mm)	F (mm)	P2 (mm)	ØD (mm)	Po (mm)	W (mm)	P (mm)	Ao (mm)	BØ (mm)	KØ (mm)	t (mm)
3.5-4	2,000	Ø330	1.75±0.1	5.5±0.1	2.0±0.1	1.5 ^{+0.1} _{-0.0}	4.0±0.1	12.0±0.3	8.0±0.1	4.75±0.1	4.65±0.1	4.45±0.1	0.4±0.05



PACKAGING (CONTINUED)

Packaging Table													
Actuator Height Models (mm)	Reel QTY	Reel Size (mm)	E (mm)	F (mm)	P2 (mm)	ØD (mm)	P0 (mm)	W (mm)	P (mm)	A0 (mm)	B0 (mm)	K0 (mm)	t (mm)
3.5-4	2,000	Ø330	1.75±0.1	5.5±0.1	2.0±0.1	1.5 ^{+0.1} _{-0.0}	4.0±0.1	12.0±0.3	8.0±0.1	4.75±0.1	4.65±0.1	4.45±0.1	0.4±0.05



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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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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