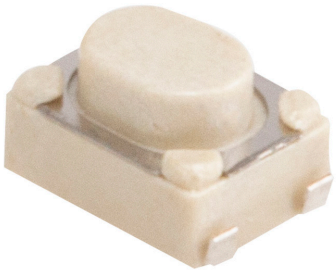
CUI Devices is now Same Sky! Learn More

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SERIES: TS20 | DESCRIPTION: TACTILE SWITCH

FEATURES

- surface mount
- 2.5 mm actuator height
- 4.2 x 3.2 mm



RoHS

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		0.10	0.20	0.30	mm
operating temperature		-40		90	°C
storage temperature		-40		90	°C
life	rated load, 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

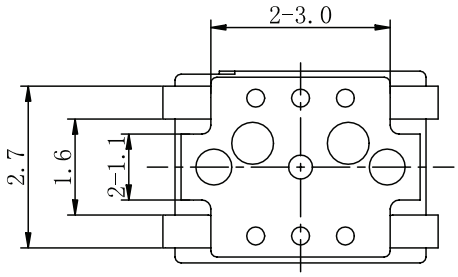
TS20 - 42 - 25 - WT - 160 - SMT - TR

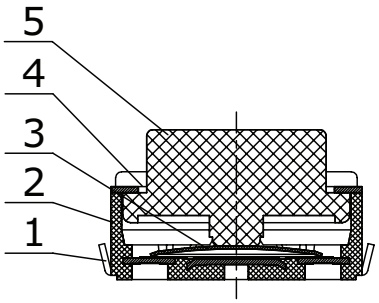
Base Number

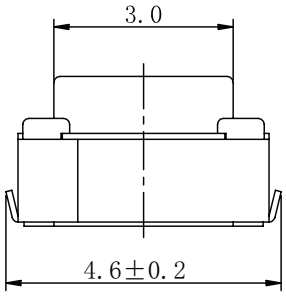
MECHANICAL DRAWING

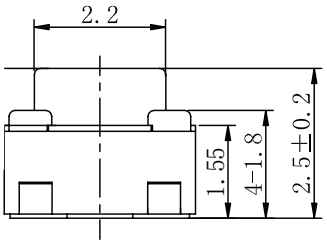
units: mm
tolerance: ±0.2 mm
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	phosphor copper	silver
2	housing	LCP (UL94V-0)	white
3	contacts	SUS	silver
4	cover	SUS	
5	stem	LCP (UL94V-0)	yellow

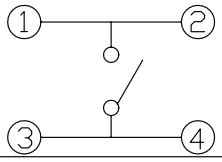


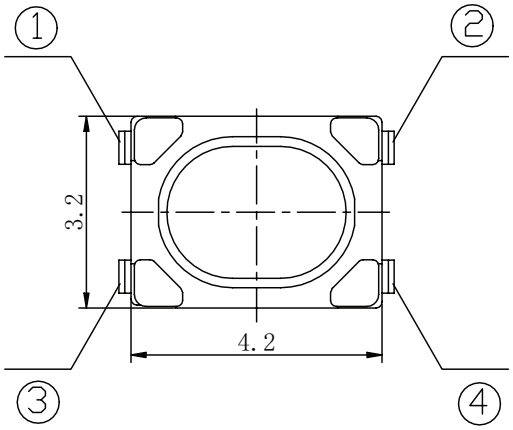


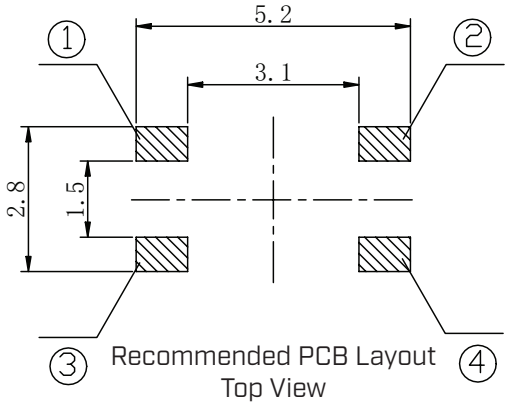




ACTUATOR POSITION [ ]: MOMENTARY	
NORMAL	DOWN
OFF	[ON]
SCHEMATIC	







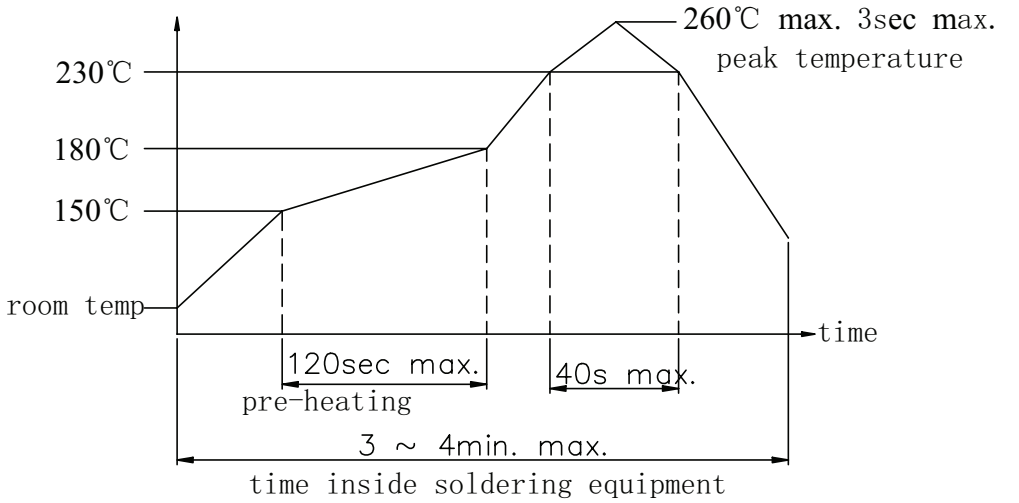
Recommended PCB Layout
Top View

Operating Force Table		
Model	Press Force (gf)	Return Force (gf)
160	160±50	>20

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
reflow soldering[1]	see reflow profile			260	°C

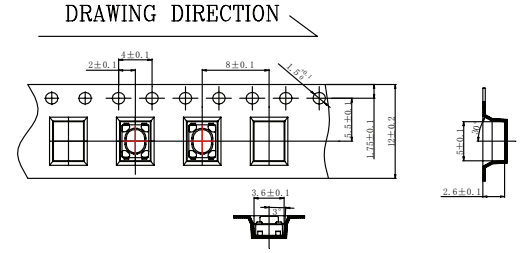
Notes: 1. Do not exceed 2 reflow cycles.

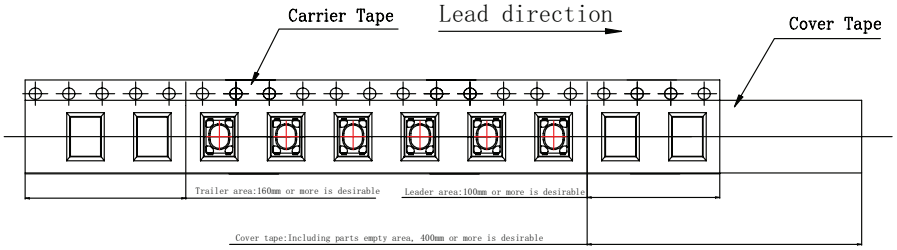


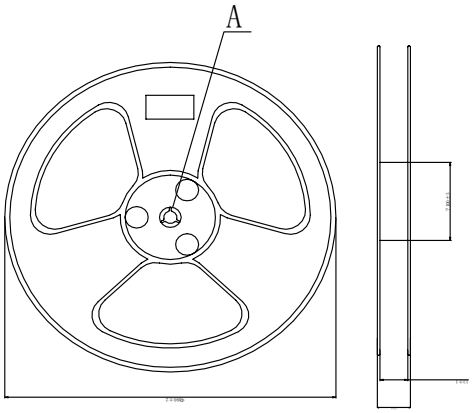
PACKAGING

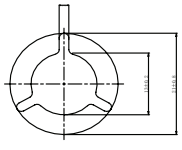
units: mm

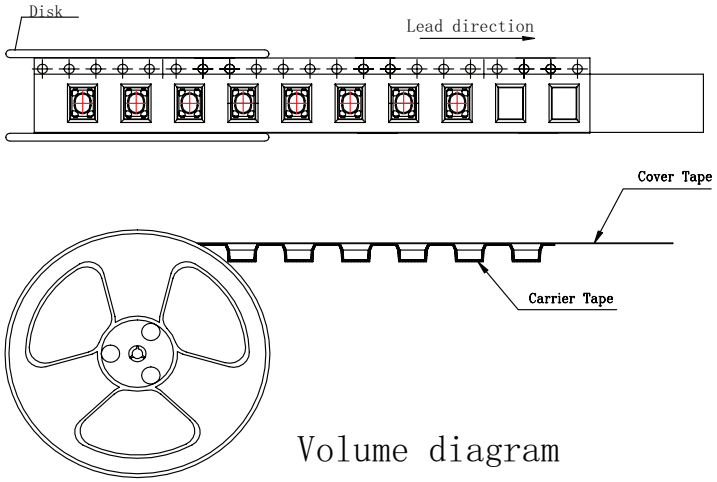
Reel Size: Ø380 mm
Reel QTY: 4,000 pcs per reel
Carton Size: 395 x 395 x 205 mm
Carton QTY: 40,000 pcs per carton











REVISION HISTORY

rev.	description	date
1.0	initial release	05/10/2022
1.01	logo, datasheet style update	08/05/2022
1.02	CUI Devices rebranded to Same Sky	09/12/2024

The revision history provided is for informational purposes only and is believed to be accurate.

same sky

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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CPI-1375IC-80T PJ-067B PR4-5V-450-1A SJ1-3535N CPM-2H CFM-2507CF-0140-313 PJ-058AH
SJ-2523-SMT-TR CMM-2718AT-42316-TR DS04-254-2-02BK-SMT HSE-B20350-NP PJ-047BH
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