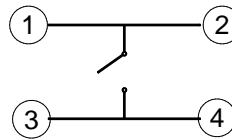
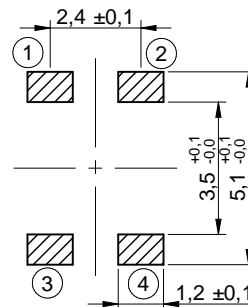


Schematic



P.C.B Mounting Plan



Scale - 5:1

SPECIFICATION

- >Rating: 1mA 5VDC
- >Contact Resistance : Initial : 500mOhm max. After Life Test : 1Ohm max.
- >Insulation Resistance : min. 100MOHM at 250VDC
- >Dielectric Strength : 250VAC for 1 minute
- >Bounce : 10ms

MATERIAL

- >Actuator: LCP UL 94V-0
- >Base : LCP UL 94V-0, color Black
- >Frame : PA46 UL HB, color Black
- >Contact spring: Stainless Steel with silver plating
- >Terminal: Copper Alloy with silver plating

SOLDERING INFORMATION

- >Terminal in SMD version
- >Reflow soldering according to JEDEC J-STD 020 Hot Air
- >Hand soldering under 350°C for 3sec. max

ENVIRONMENTAL

- Storage condition : -40°C ~ +85°C
- Operation condition : -40°C ~ +85°C
- Compliance : ROHS, Reach

HANDLING ADVISE

- >Set a delay time according to our definition bounce
- >Please operate the switch only in the direction , which is advise in our specification
- >Design the operation distance so, so that it can reach 3,2mm or lower at least. Recommend is to design the switch so, that the operation point can reach the total travel position
- >Protect the switch , do not overstress our parts.
- >For more information's, please refer to our pre-caution guide

PACKAGING INFORMATION

- >Tape & Reel

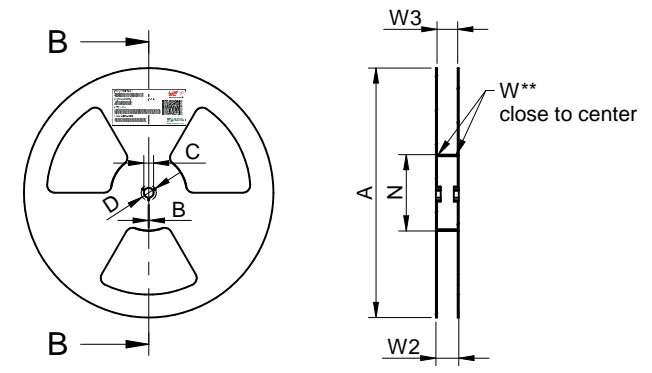
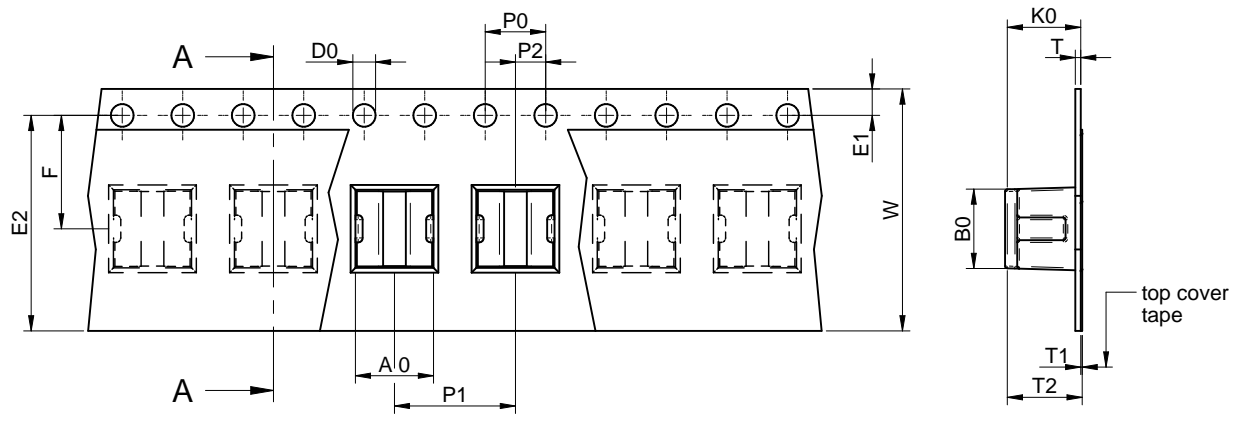
Part number	Force	Schematic	Life Cycle
461 011 220 101	60gf max	SPST- NO	100.000

This electronic component is designed and developed with the intention for use in general electronics equipments.

Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body, Würth Elektronik must be asked for a written approval.

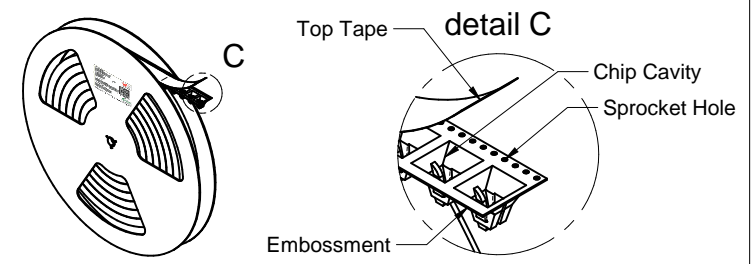
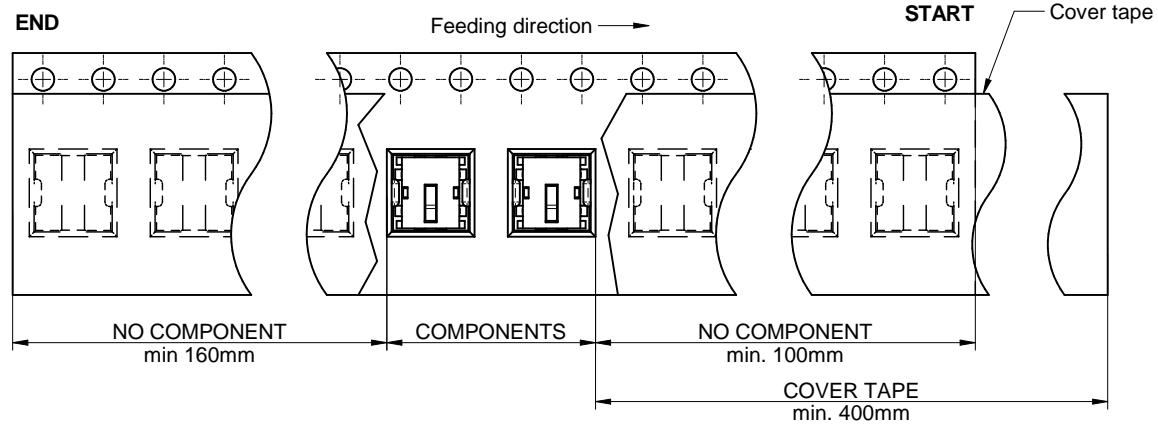
In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before by the user before usage.

Projection				GENERAL TOLERANCE DIN ISO 2768 T1m			Basic material			
				Date	Name		DESCRIPTION			
				Drawn	14-03-21 Fandrey		WS-DESV			
				Checked	14-03-21 Hsu		4.7x3.8mm Detect Switch, vertical right side, SMD version			
							Scale	5:1	Position	SIZE
a	Operating Direction	14-05-22	DaF				Drawing.- No. 461011220101			A4
REV	FILE	DATE	BY				System: Solid Edge ST4			

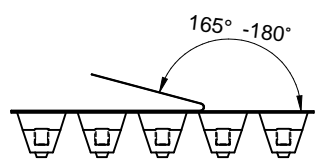


	A0	B0	W	P1	T	T1	T2	K0	D0	E1	E2	F	P0	P2	Tape	VPE / packaging unit	
tolerance	typ.	typ.	±0,3	±0,1	max.	min.	ref.	typ.	+0,1	±0,1	min.	±0,05	±0,1	±0,05			
size	6410xxxx	5,00	5,60	16,00	12,00	0,35	0,10	5,25	4,80	1,50	1,75	14,25	7,50	4,00	2,00	Polystyrene	1500

	A	B	C	D	N	W1	W2	W3	W3	
tolerance	± 2,0	min.	± 0,8	min.	min.	+ 2	max.	min.	max.	
Tape width	16 mm	330,00	1,50	13,00	20,20	100,00	16,40	22,40	15,90	19,40



Packaging is referred to the international standard IEC 60286 -3:2007



Tape width	16 mm	Pull-of force	0,1 N - 1,3 N
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REV	FILE	DATE	BY	Date	Name	DESCRIPTION
				Drawn 13-07-01	Fandrey	Packaging
				Checked 13-xx-xx	xxxxxxxxxx	WS-DESV
						Description
						Drawing.- No. 461011220101
						SIZE
						A4

