

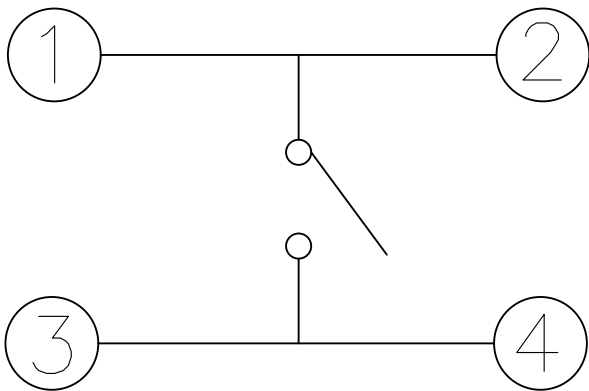
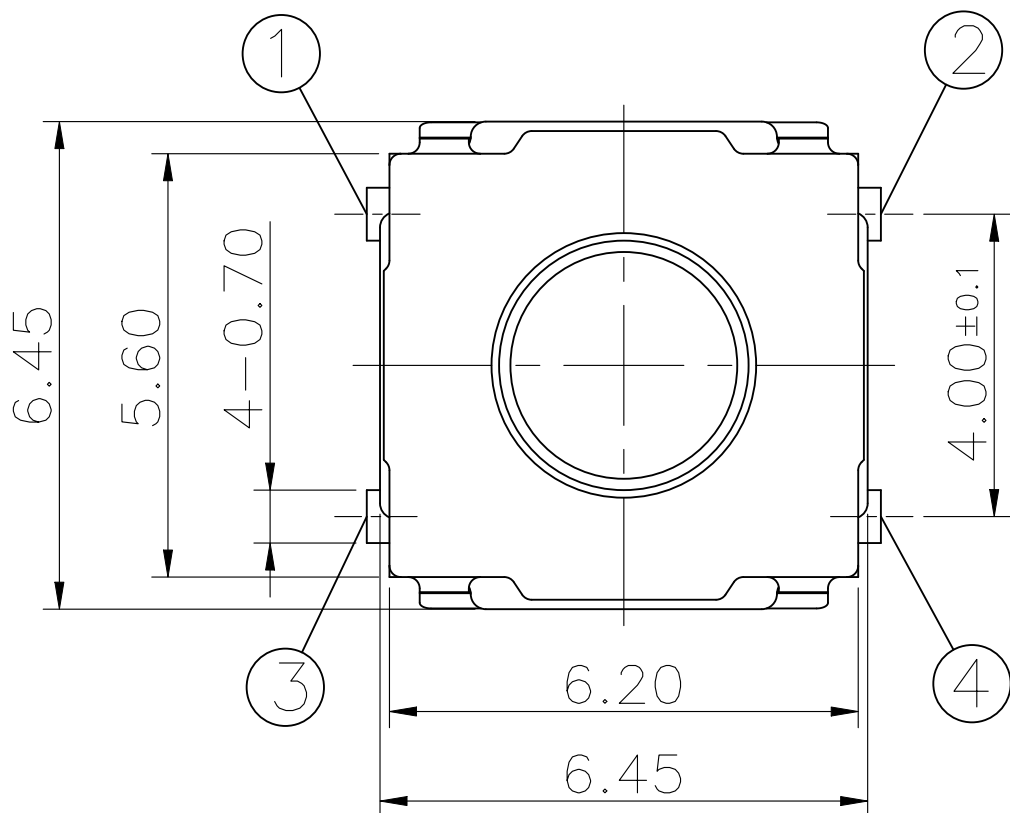
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
1		NEW DRAWING	23APR2025	LP	MY

D

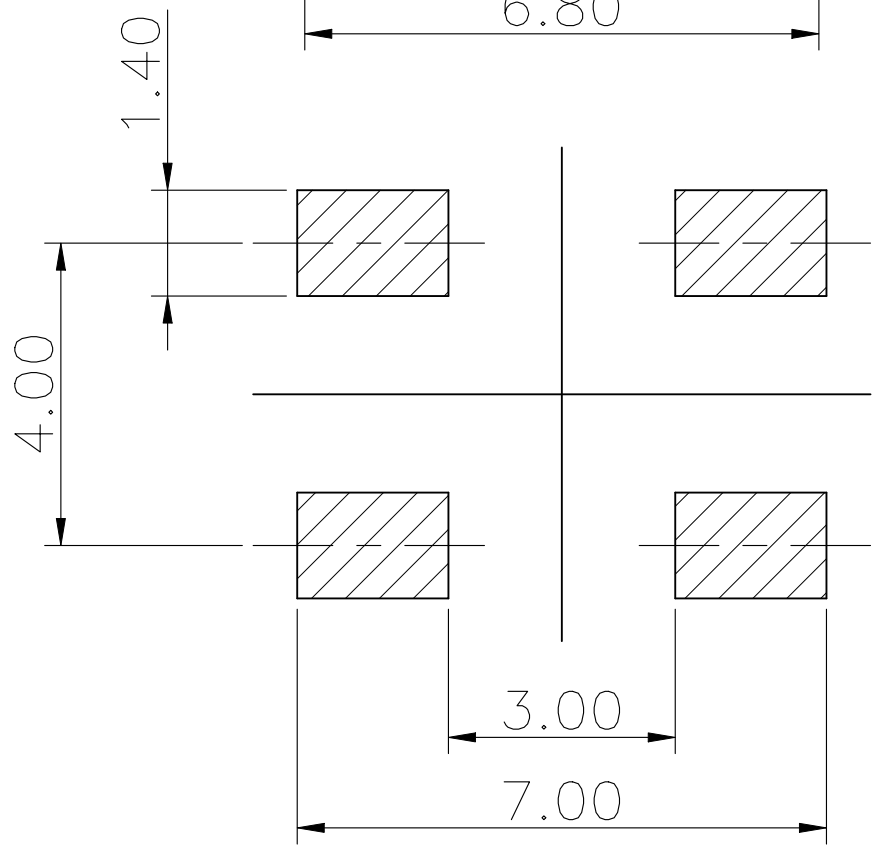
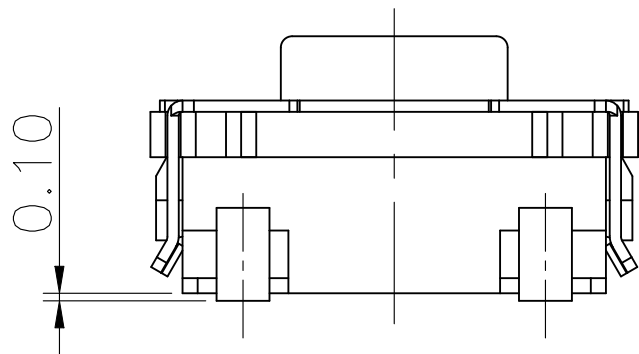
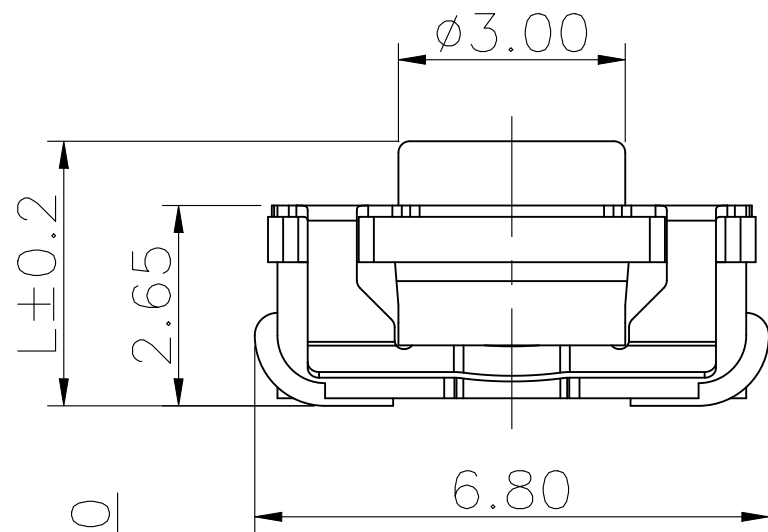
C

B

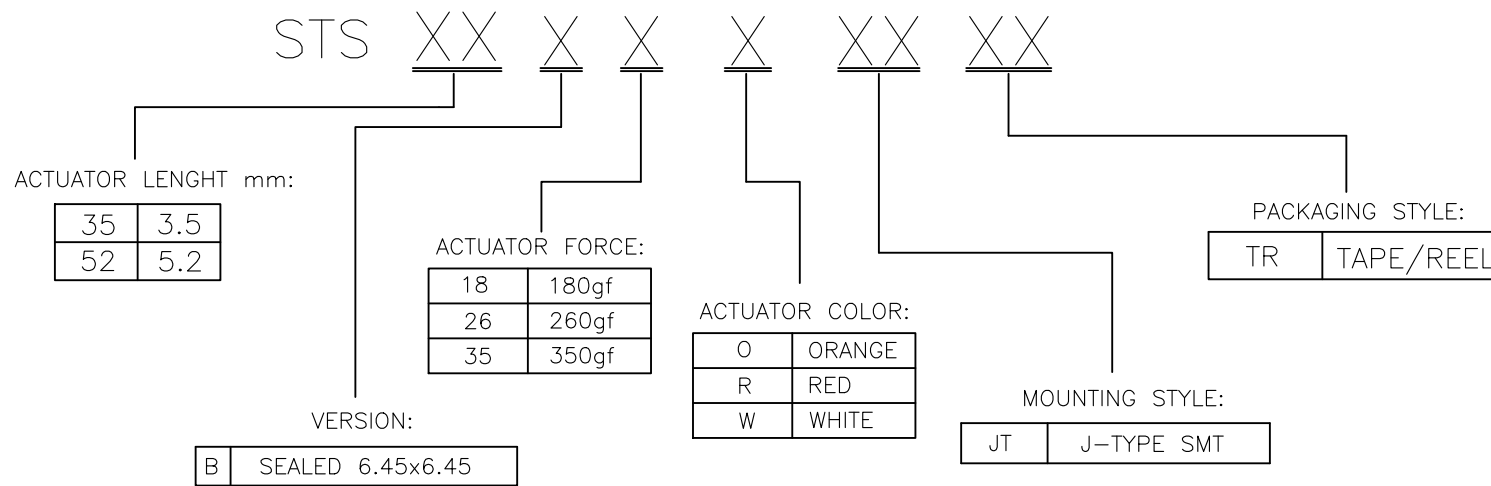
A



CIRCUIT DIAGRAM



P.C.B SOLDER
LAND DIMENSION



SPECIFICATIONS:

MATERIALS:

CASE, PA6T-UL94HB SEE TABLE

ACTUATOR, UL94SEE TABLE

CONTACT BASE, STAINLESS STEEL (SUS)

CONTACT PLATING, SILVER (Ag)

COVER, STAINLESS STEEL (SUS)

ELECTRICAL:

MAX CONTACT RATING, 50MA@ 24V DC

INITIAL CONTACT RESISTANCE, 100 MΩ MAX

INSULATION RESISTANCE, GREATER THAN 100 MΩ

DIELECTRIC STRENGTH, 250 V(50~60Hz) IS APPLIED BETWEEN
TERMINALS AND EARTH FOR 1MINUTE

MECHANICAL:

ACTUATION FORCE, See Table

ACTUATION TRAVEL, 0.50 +/-0.3MM

LIFE EXPECTANCY, See Table (2 CYCLES PER SECOND AND 150%
ACTUATION FORCE),

ENVIRONMENTAL:

OPERATING TEMPERATURE, -20 TO +105° C, 45 ~ 85% RH

STORAGE TEMPERATURE, -20 TO +105° C. 96 HOURS

MAXIMUM FOR CONTINUOUS STORAGE OVER A

RANGE -20 ~ -30°C AND A RANGE 70 ~ 80°C.

SOLDERABILITY, (See sheet 2)

IP RATING IP67

MSL = 1

1 EU RoHS2.0((RoHS 2011/65/EU with (EU) 2015/863 Compliance)

2 TAPE AND REEL PACKAGING PER EIA-481

3.5	1.8±.5 N (180±50 gf)	PA6T	Black	Silicone	White	J-Type	3000000	6.45 x 6.45 x 3.5, 180gf, IP67, Tact	STS35B18WJTTR	2506471-6
3.5	2.6±.5 N (260±50 gf)	PA6T	Black	Silicone	Red	J-Type	500000	6.45 x 6.45 x 3.5, 260gf, IP67, Tact	STS35B26RJTTR	2506471-5
3.5	3.5±.5 N (350±50 gf)	PA6T	Black	Silicone	Orange	J-Type	500000	6.45 x 6.45 x 3.5, 350gf, IP67, Tact	STS35B350JTTR	2506471-4
5.2	1.8±.5 N (180±50 gf)	PA6T	Black	Silicone	White	J-Type	3000000	6.45 x 6.45 x 5.2, 180gf, IP67, Tact	STS52B18WJTTR	2506471-3
5.2	2.6±.5 N (260±50 gf)	PA6T	Black	Silicone	Red	J-Type	500000	6.45 x 6.45 x 5.2, 260gf, IP67, Tact	STS52B26RJTTR	2506471-2
5.2	3.5±.5 N (350±50 gf)	PA6T	Black	Silicone	Orange	J-Type	500000	6.45 x 6.45 x 5.2, 350gf, IP67, Tact	STS52B350JTTR	2506471-1
DIM 'L' mm	ACTUATOR FORCE	CASE MATERIAL	CASE COLOR	ACTUATOR MATERIAL	ACTUATOR COLOR	MOUNTING TYPE	LIFE CYCLE	DESCRIPTION	TE SMART PN	TE PN

THIS DRAWING IS A CONTROLLED DOCUMENT.						DWN LINGANATHAN P 18APR2025	TE Connectivity Ltd.			
DIMENSIONS: mm						CHK MANOJ YADAV 18APR2025	PRELIMINARY			
TOLERANCES UNLESS OTHERWISE SPECIFIED:						APVD MANOJ YADAV 18APR2025	NAME 6.45X6.45MM SEALED TACT SWITCH, J-TYPE SMT			
0 PLC ± -						PRODUCT SPEC	-			
1 PLC ± -						APPLICATION SPEC	-			
2 PLC ± -						WEIGHT	-			
3 PLC ± -						SCALE	A2 00779			
4 PLC ± -						DRAWING NO	C=2506471			
ANGLES ± -						RESTRICTED TO	-			
FINISH						SCALE	1:1			
MATERIAL SEE TABLE 1						SHEET	1 of 4			
CUSTOMER DRAWING						REV	1			

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

SOLDERING CONDITIONS

Manual soldering

Soldering temperature : less than 350°C.

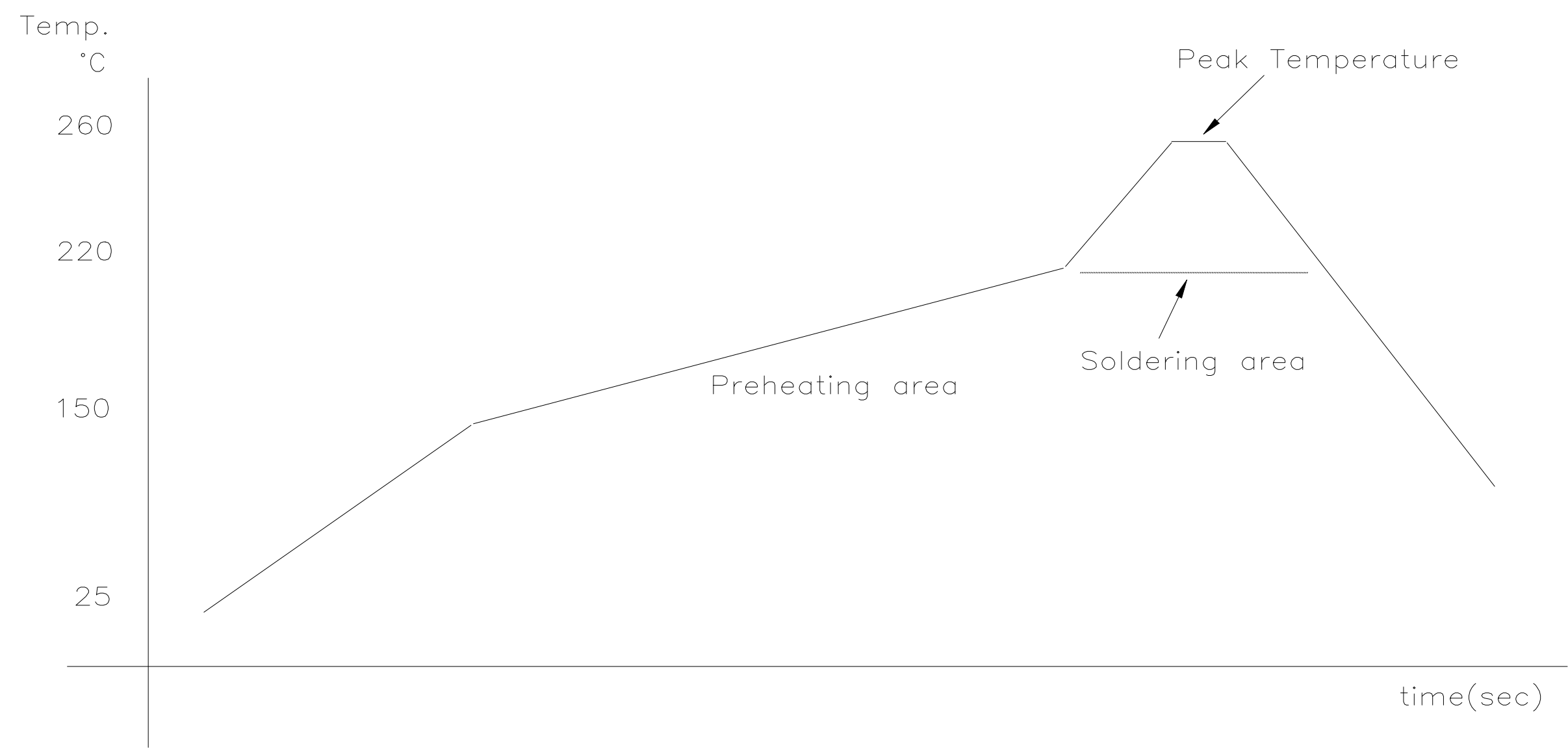
Soldering time : Within 3 seconds

REFLOW SOLDERING CONDITIONS

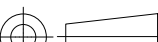
Preheat ----- 150°C ~ 200°C, 120 ±20 (sec)

Peak temperature --- 260°C max. 10 (sec)

Soldering area temperature ----- 225°C, 60 (sec)

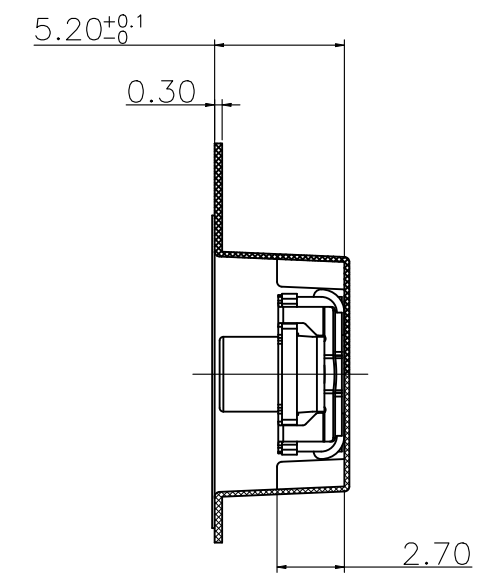


< Temperature profile >

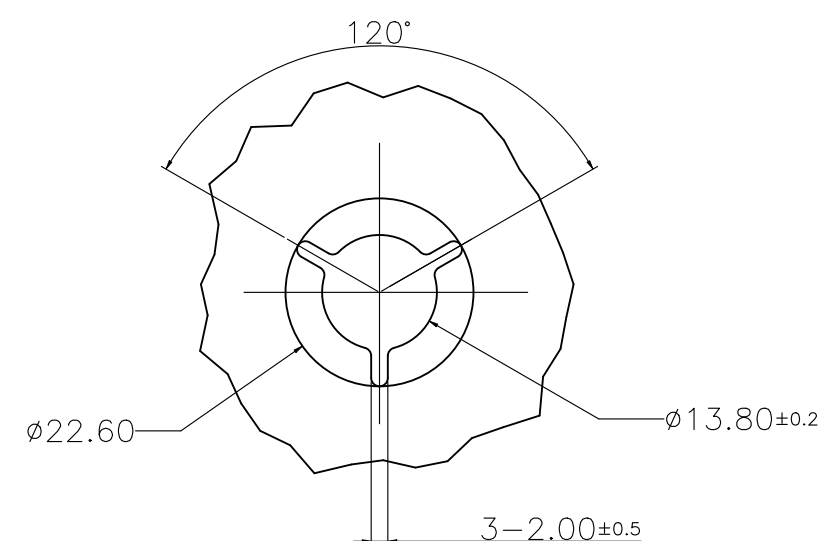
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LINGANATHAN P 18APR2025		 TE Connectivity Ltd.			
		CHK MANOJ YADAV 18APR2025					
DIMENSIONS: mm		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME			
		APVD MANOJ YADAV 18APR2025		6.45X6.45MM SEALED TACT SWITCH, J-TYPE SMT			
		PRODUCT SPEC		—			
		APPLICATION SPEC		—			
		—		SIZE			
MATERIAL		FINISH		CAGE CODE		DRAWING NO	RESTRICTED TO
SEE TABLE 1		—		WEIGHT		—	
CUSTOMER DRAWING				A2 00779		C=2506471	
				SCALE		1:1	
				SHEET		2 of 4	
				REV		1	

2506471

2506471-3	1000
2506471-2	1000
2506471-1	1000
TCPN P/N	QUANTITY



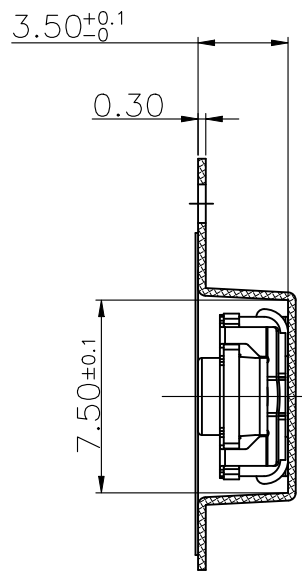
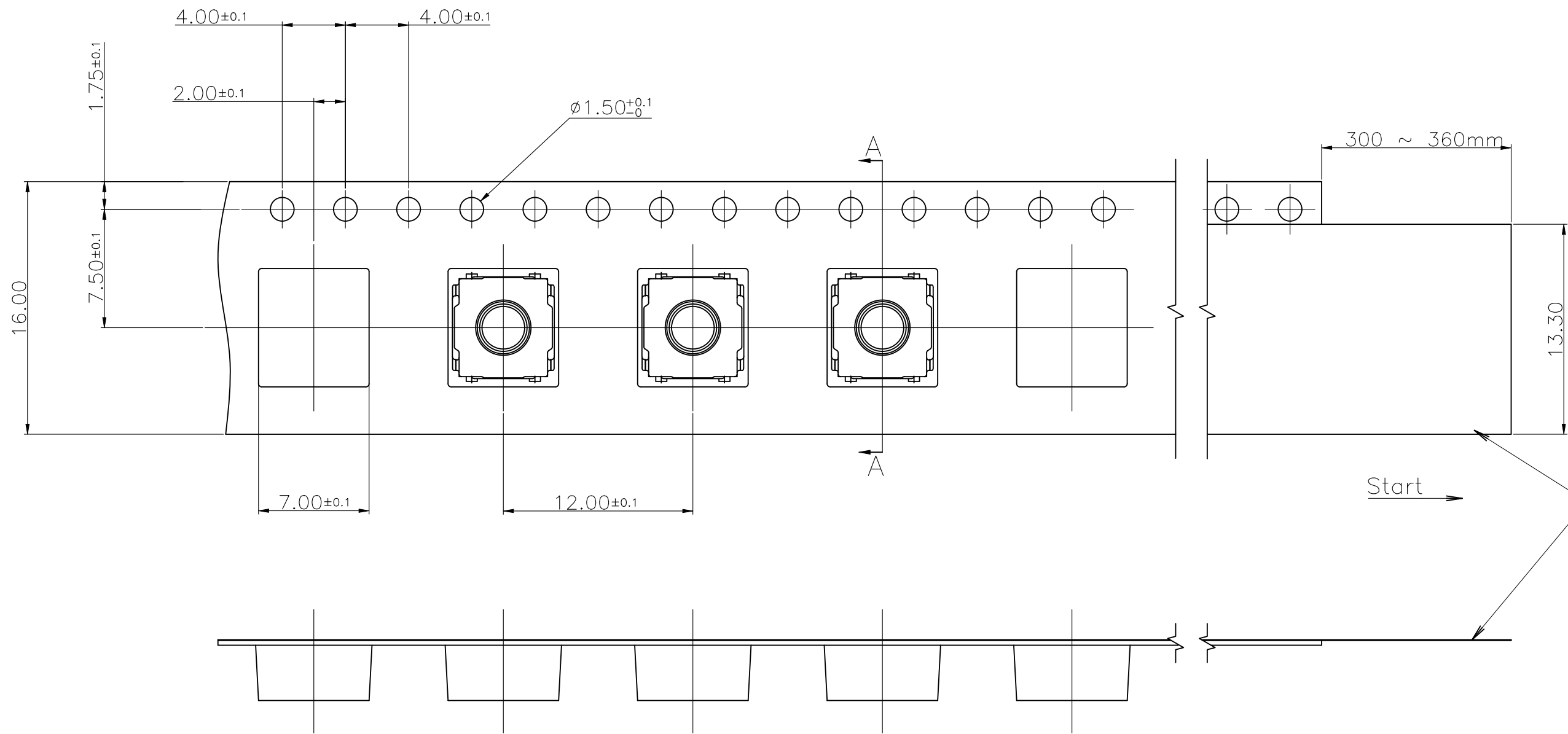
DETAIL "A" (1 : 1)



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 18APR2025 LINGANATHAN P CHK 18APR2025 MANOJ YADAV APVD 18APR2025 MANOJ YADAV PRODUCT SPEC APPLICATION SPEC WEIGHT —		 TE Connectivity Ltd.							
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± —		NAME 6.45X6.45MM SEALED TACT SWITCH, J-TYPE SMT — —							
MATERIAL SEE TABLE 1		FINISH —		SIZE A2		GAGE CODE 00779		DRAWING NO C-2506471		RESTRICTED TO —	
CUSTOMER DRAWING				SCALE 1:1		SHEET 3 of 4		REV 1			

PACKAGING DRAWING

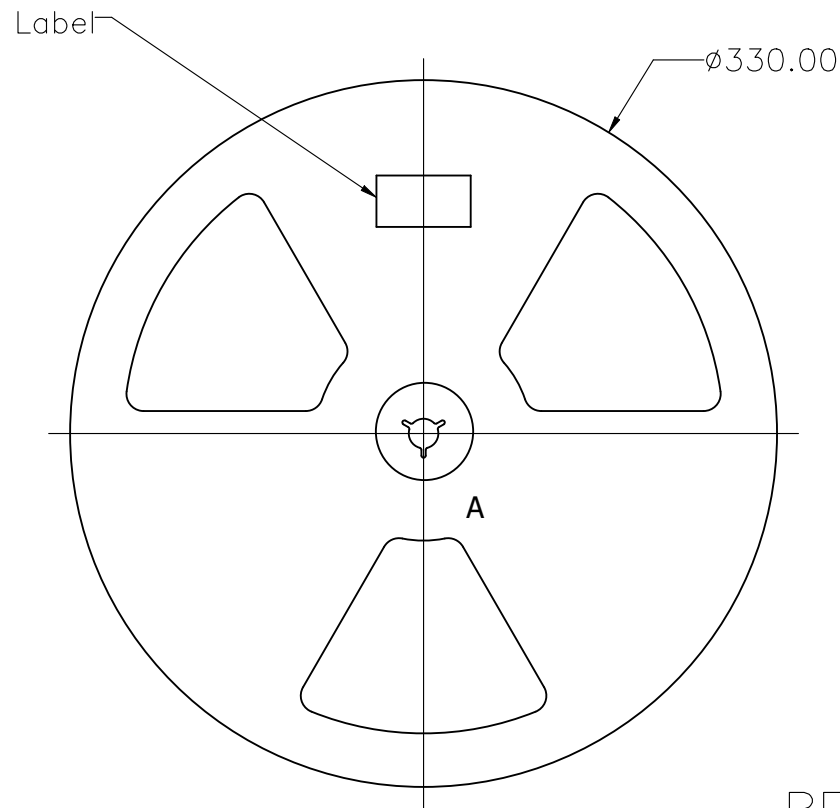
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



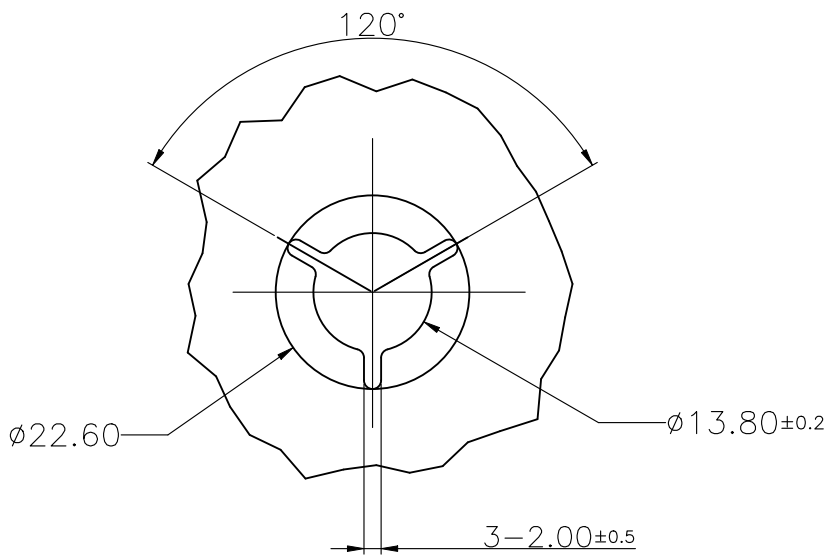
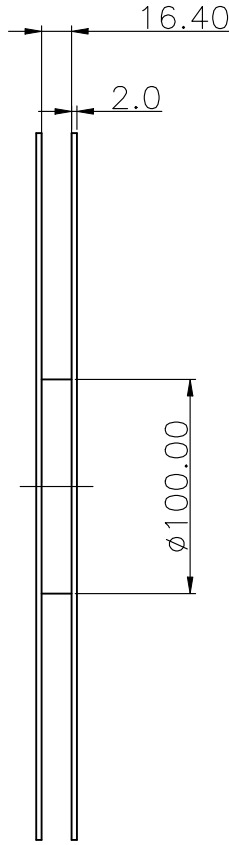
SECTION A-A

COVER TAPE

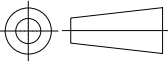
2506471-6	1500
2506471-5	1500
2506471-4	1500
TCPN P/N	QUANTITY



REEL



DETAIL "A" (1:1)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LINGANATHAN P 18APR2025	 TE Connectivity Ltd.		
DIMENSIONS: mm		CHK MANOJ YADAV 18APR2025			
		APVD MANOJ YADAV 18APR2025	NAME 6.45X6.45MM SEALED TACT SWITCH, J-TYPE SMT		
		PRODUCT SPEC	-		
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	-		
0 PLC ± -		WEIGHT	SIZE A2	CAGE CODE 00779	DRAWING NO C=2506471
1 PLC ± -		CUSTOMER DRAWING			
2 PLC ± -		SCALE 1:1			
3 PLC ± -		SHEET 4 OF 4			
4 PLC ± -		REV 1			
ANGLES ± -					
FINISH					
MATERIAL SEE TABLE 1					