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REVISIONS

Drawing number	TE PN	TE descriptive PN	IP	Operating Force	Life Cycle
2425753	2425753-1	Ultraminiature 2.0x3.0 tactile, 160gf	67	160 ± 50 gf	500,000
	2425753-2	Ultraminiature 2.0x3.0 tactile, 240gf	67	240 ± 70 gf	500,000

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	08NOV2022	BB	DM

Technical drawings of the ultraminiature tactile switch. The top view shows a square component with a width of 3.50 mm and a central circular contact. The side view shows a base width of 3.00 mm and a contact height of 0.04 mm. Another side view shows a contact width of 2.0 mm and a contact height of 0.6 ± 0.1 mm. The bottom view shows the PCB solder land dimensions with a total width of 3.80 mm and an inner width of 2.70 mm. A circuit diagram shows a single switch between terminals A and A'.

SPECIFICATIONS:

MATERIALS:

CASE: PA9T UL94HB

ACTUATOR: PA9T

COVER: PA9T.

MOVING CONTACT: STAINLESS STEEL Ag Clad

FIXED CONTACT/TERMINAL: PHOSPHOR BRONZE Ag PLATING

ELECTRICAL:

CONTACT RATING: 20mA @15V DC.

CONTACT RESISTANCE: 500mΩ MAX.

INSULATION RESISTANCE: 50MΩ MIN. @100V DC.

DIELECTRIC STRENGTH: 250V AC FOR 1 MINUTE.

LIFE EXPECTANCY: SEE P/N TABLE.

MECHANICAL:

ACTUATOR FORCE: SEE P/N TABLE.

ACTUATOR TRAVEL: 0.13±0.05mm

LIFE EXPECTANCY: SEE P/N TABLE.

ENVIRONMENTAL:

OPERATING TEMPERATURE: -40°C TO 85°C.

STORAGE TEMPERATURE: -40°C TO 85°C.

SOLDERABILITY: REFLOW: 150-200°C. 120±20SEC. FOR PERHEAT, PEAK

TEMP. 260°C, TEMP. AREA 217°C 90-120 SEC.

MANUAL: SOLDERING TEMP. 350°C, SOLDERING TIME 3 SEC.

NOTES:

1. DIMENSION IN MILLIMETERS

2. GENERAL TOLERANCE ± 0.3mm

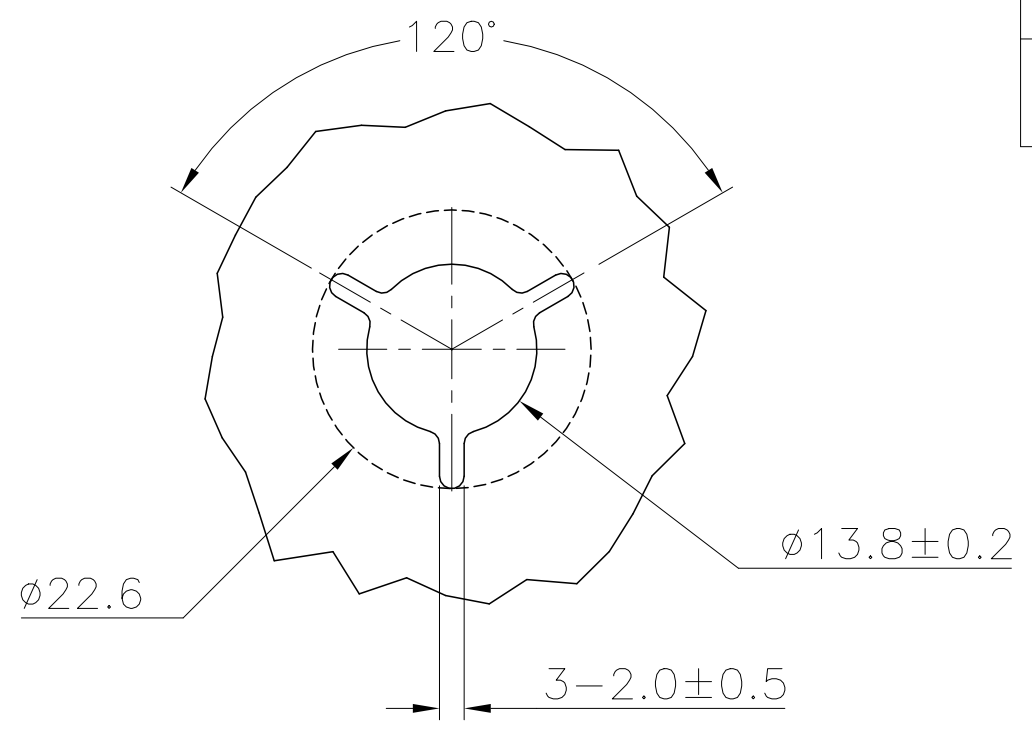
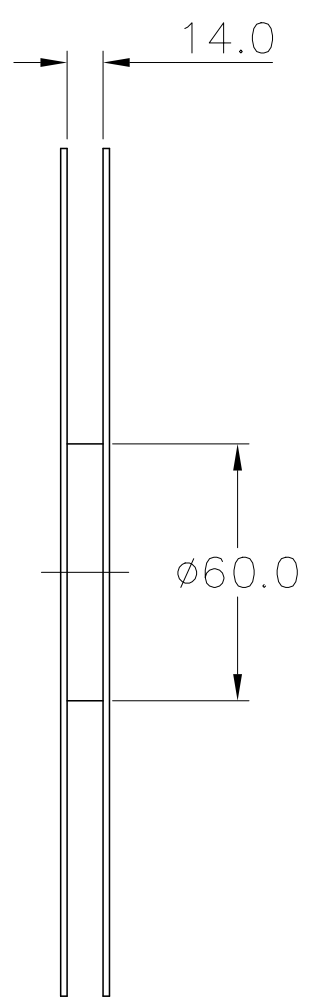
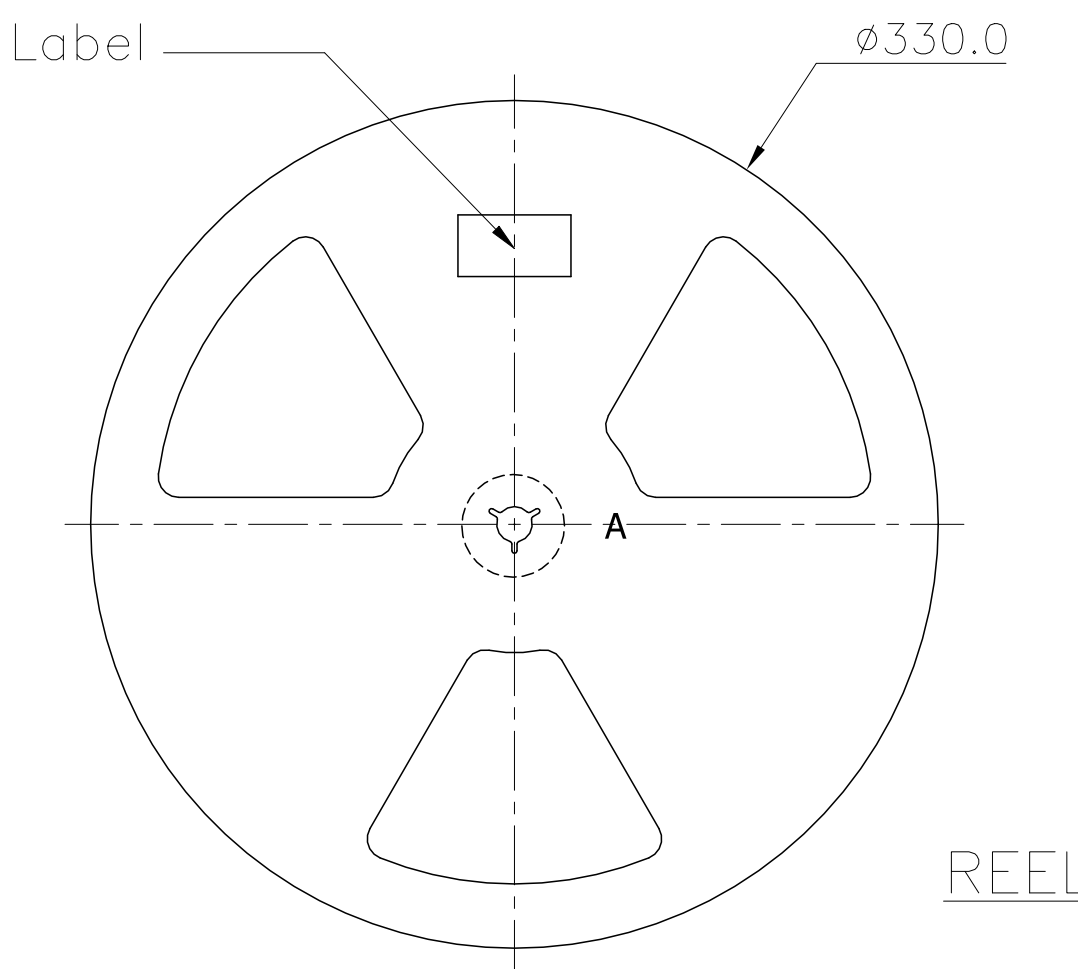
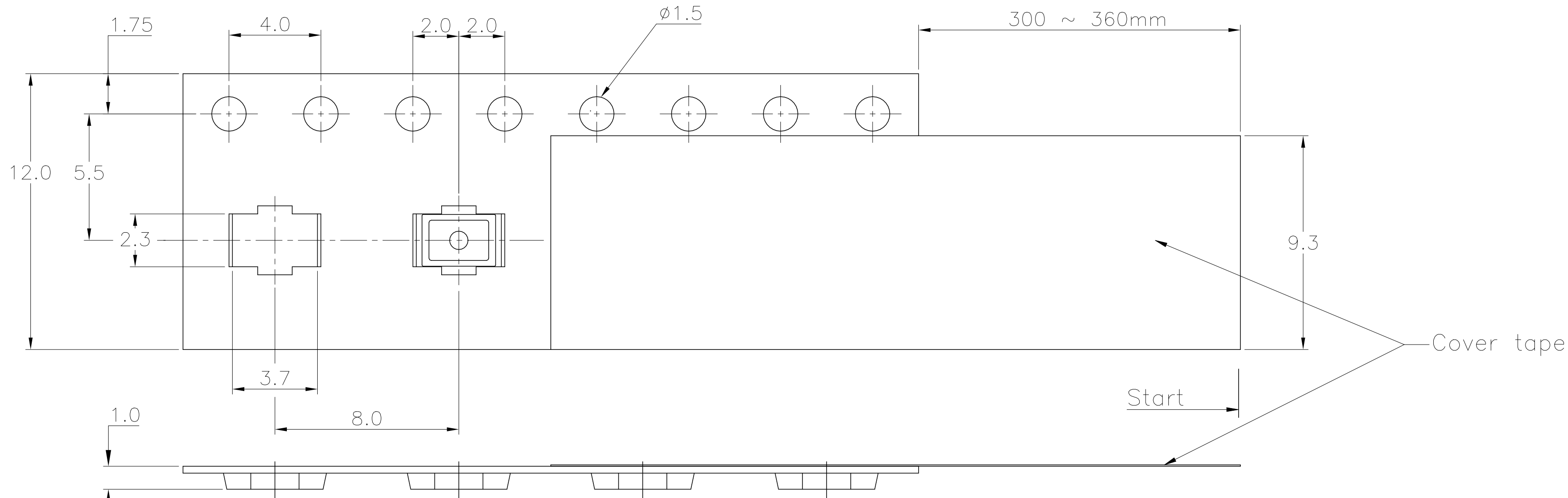
PCB Solder Land Dimensions diagram showing a 3.80 mm wide land with a 2.70 mm wide inner area. A hatched area is labeled "Prohibited area of PCB marking".

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	08NOV2022	TE Connectivity	
DIMENSIONS:		CHK	08NOV2022	NAME Ultraminiature 2.0x3.0 tactile	
mm		APVD	08NOV2022		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		SIZE	
0 PLC	± -	APPLICATION SPEC		CAGE CODE	DRAWING NO
1 PLC	± -	MATERIAL		00779	2425753
2 PLC	± -	FINISH		RESTRICTED TO	
3 PLC	± -	CUSTOMER DRAWING		-	
4 PLC	± -	SCALE		SHEET	
ANGLES	± -	NTS		1 of 2	
MATERIAL		REV		A	

1471-9 (1/15)

2425753

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



Packing Specification		
Non-Pocket Portion	Trailer Portion	200mm [10 Pocket min.]
	Leader Portion	[10 Pocket min.]
S/W Packing Q'TY		8,500 pcs

DETAIL OF A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN BALAJI, B 08NOV2022	TE Connectivity	
DIMENSIONS: mm		CHK DAVID MALDONADO 08NOV2022		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD DAVID MALDONADO 08NOV2022	NAME Ultraminiature 2.0x3.0 tactile	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC -	RESTRICTED TO -	
MATERIAL -		APPLICATION SPEC -	SIZE A2	CAGE CODE 00779
FINISH -		WEIGHT -	DRAWING NO C=2425753	SCALE NTS
CUSTOMER DRAWING			SHEET 2 OF 2	REV A