

TE PN	TE SMART P/N	PART DESCRIPTION	MOUNTING TYPE	ACTUATOR COLOR	ACTUATOR MATERIAL	CASE COLOR	CASE MATERIAL	ACTUATOR FORCE	DIM 'L' mm	Life Cycle
2425753-1	UMSBMTR	Ultraminiature 2.0x3.0 tactile, 160gf	SURFACE MOUNT	N/A	PA9T	BLACK	PA9T	1.6±0.5N(160±50gf)	0.6	500000
2425753-2	UMSCMTR	Ultraminiature 2.0x3.0 tactile, 240gf	SURFACE MOUNT	N/A	PA9T	BLACK	PA9T	2.4±0.5N(240±70GF)	0.6	500000
2425753-3	UMSASMTR	3.0 x 2.0 x 0.6, 100gf, IP67, Tact	SURFACE MOUNT	N/A	PA9T	BLACK	PA9T	1.0±0.5N(100±50gf)	0.6	300000
2425753-4	UMSDSMTR	3.0 x 2.0 x 0.6, 330gf, IP67, Tact	SURFACE MOUNT	N/A	PA9T	BLACK	PA9T	3.3±0.5N(330±50gf)	0.6	300000

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
A1		ECR-25-240701	18APR2025	LP MY

ACTUATOR FORCE:

A	100gf
B	160gf
C	240gf
D	330gf

MOUNTING STYLE:

SM	SURFACE MOUNT
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PACKAGING STYLE:

TR	TAPE/REEL
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SPECIFICATIONS:

MATERIALS:
CASE, PA9T-UL94HB SEE TABLE
ACTUATOR, PA9T-UL94 SEE TABLE
CONTACT BASE, STAINLESS STEEL (SUS)
CONTACT PLATING, SILVER (Ag)
COVER, PA9T

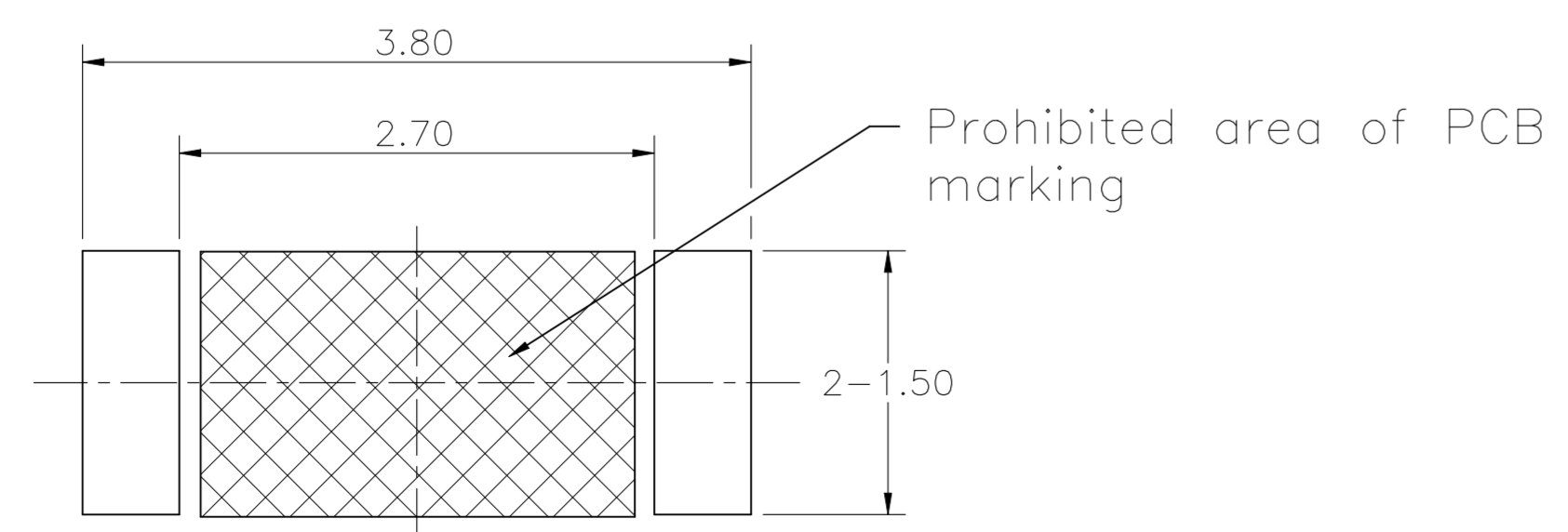
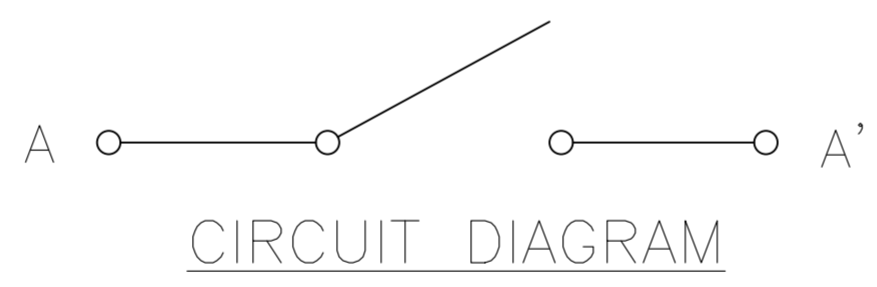
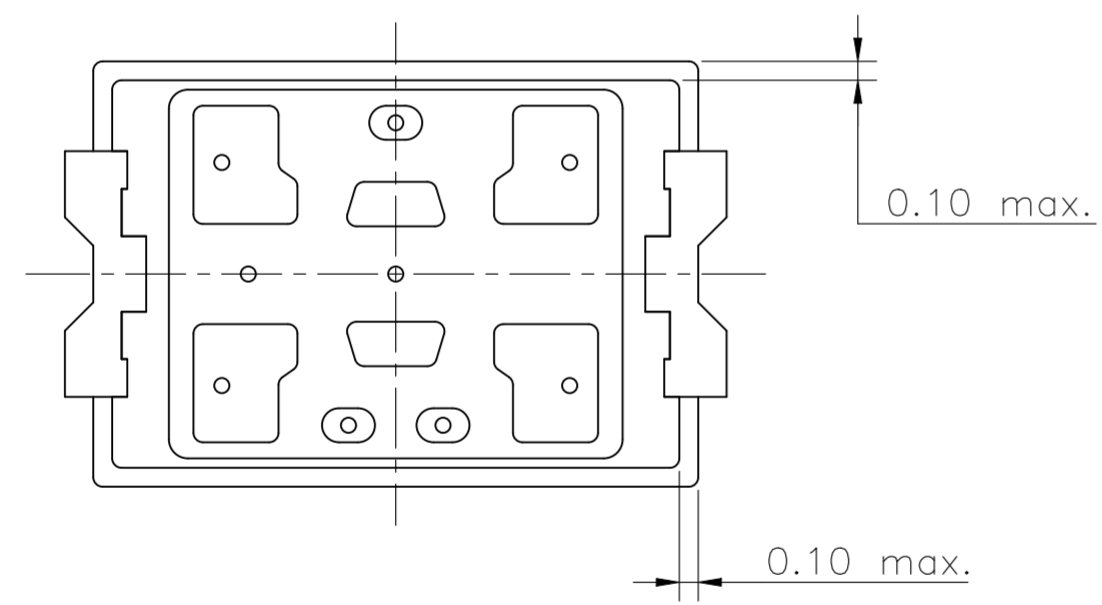
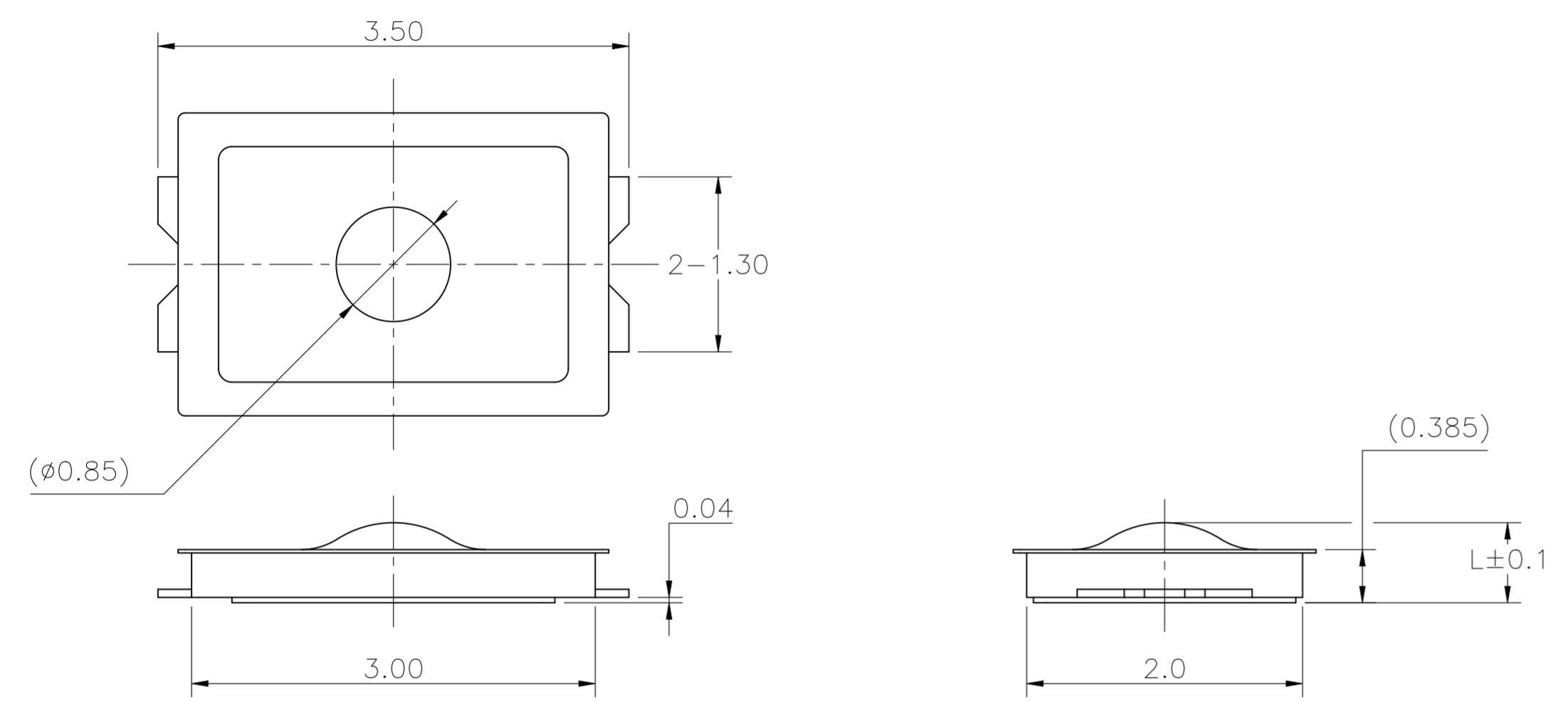
ELECTRICAL:
CONTACT RATING: 50mA @24V DC.
CONTACT RESISTANCE: 500mΩ MAX.
INSULATION RESISTANCE: 50MΩ MIN. @100V DC
DIELECTRIC STRENGTH: 250V AC FOR 1 MINUTE.
LIFE EXPECTANCY; SEE P/N TABLE.

MECHANICAL:
ACUATION FORCE: SEE P/N TABLE.
ACUATION TRAVEL: 0.13±0.05mm
LIFE EXPECTANCY: SEE P/N TABLE.

ENVIRONMENTAL:
OPERATIING TEMPERATURE: -40°C TO 105°C (Normal humidity, NormAL air pressure)
STORAGE TEMPERATURE: -40°C TO 105°C (Normal humidity, NormAL air pressure)
SOLDERABILITY: REFLOW: (Refer 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

NOTES:
1. DIMENSION IN MILLIMETERS
2. GENERAL TOLERANCE ±0.3mm



PCB SOLDER LAND DIMENSIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LINGANATHAN P 18APR2025	TE Connectivity Ltd.	
DIMENSIONS: mm		CHK MANOJ YADAV 18APR2025	NAME ULTRAMINIATURE 3.0X2.0MM TACT SWITCH, SMT	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MANOJ YADAV 18APR2025	CAGE CODE 00779	
0 PLC ± -		PRODUCT SPEC	DRAWING NO C=2425753	
1 PLC ± -		APPLICATION SPEC	RESTRICTED TO	
2 PLC ± -			SCALE NTS	
3 PLC ± -			SHEET 1 of 3	
4 PLC ± -			REV A1	
ANGLES ± -				
MATERIAL SEE TABLE 1		FINISH -	CUSTOMER DRAWING	

REVISIONS

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

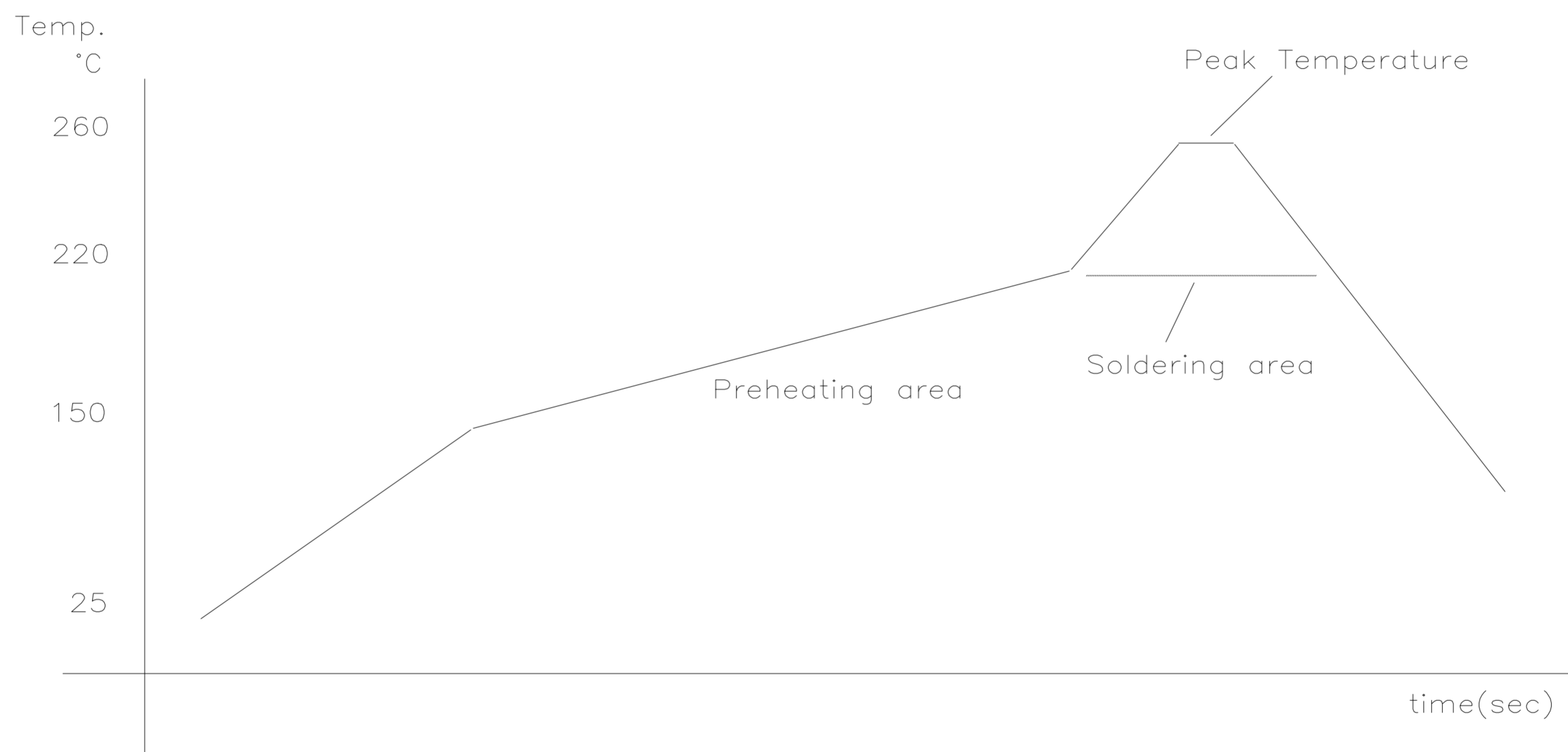
SOLDERING CONDITIONS

REFLOW SOLDERING CONDITIONS

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

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

Soldering area temperature ----- 217°C, 90 ~ 120 (sec)



< Temperature profile >

Manual soldering conditions

Soldering temperature : 350°C Max.

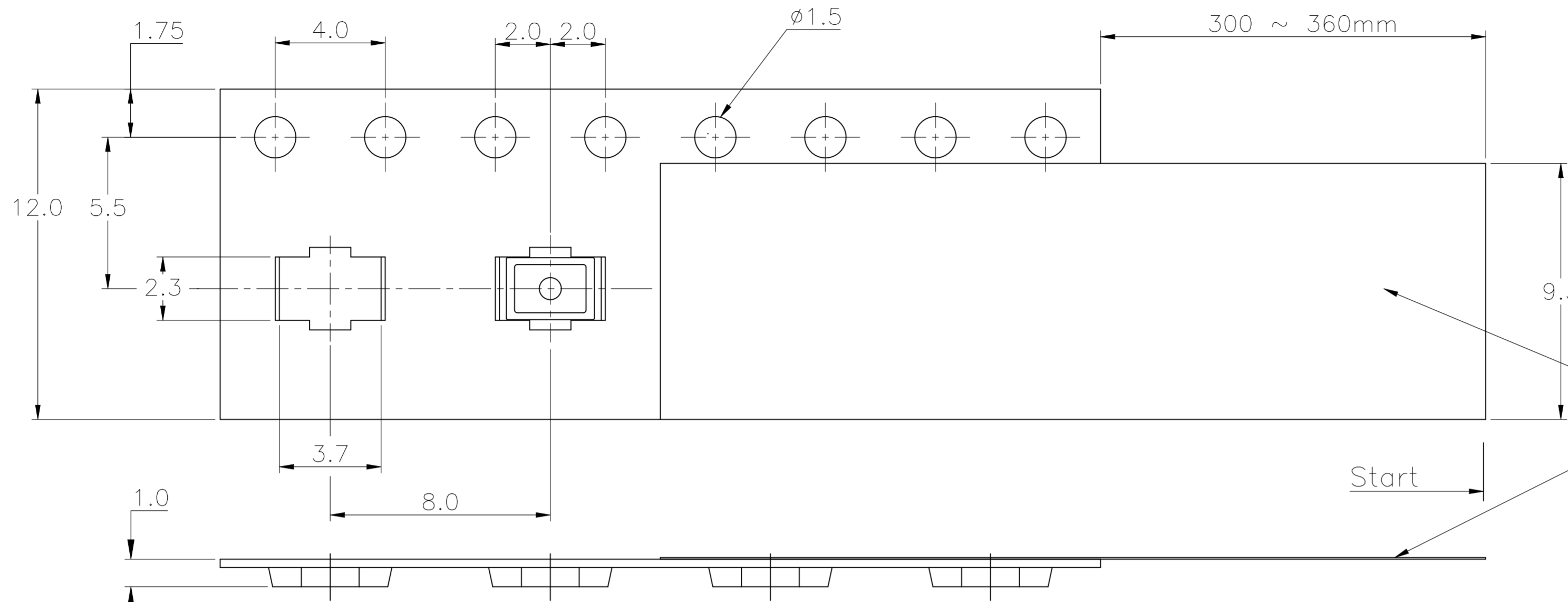
Soldering time : 3(sec) Max.

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TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MANOJ YADAV 18APR2025	NAME ULTRAMINIATURE 3.0X2.0MM TACT SWITCH, SMT	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± -		PRODUCT SPEC -	RESTRICTED TO -	
MATERIAL SEE TABLE 1		FINISH -	WEIGHT A2 00779	DRAWING NO C=2425753
CUSTOMER DRAWING			SCALE NTS	SHEET 2 of 3
			REV A1	

PACKAGING DRAWING

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

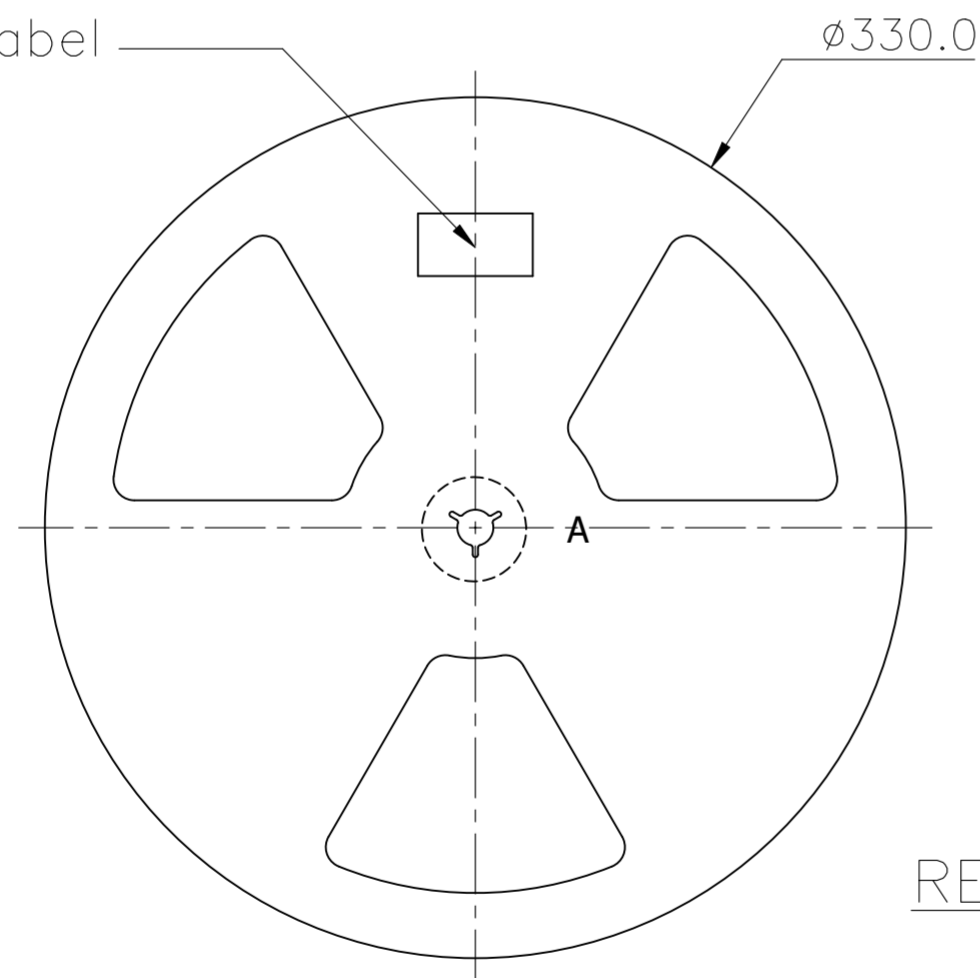
QUANTITY	TCPN P/N
8500	2425753-1
8500	2425753-2
8500	2425753-3
8500	2425753-4



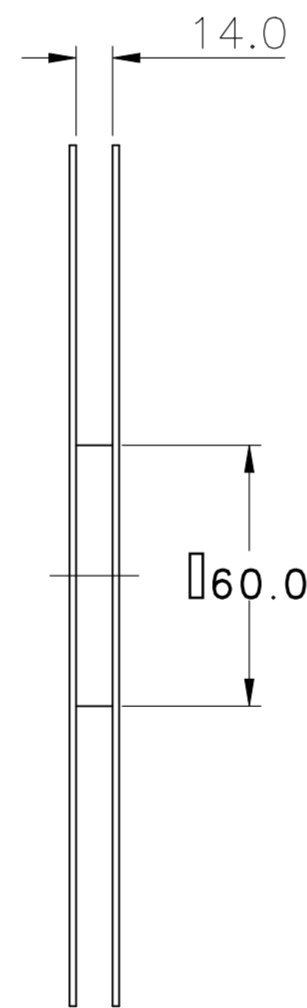
Cover tape

Start

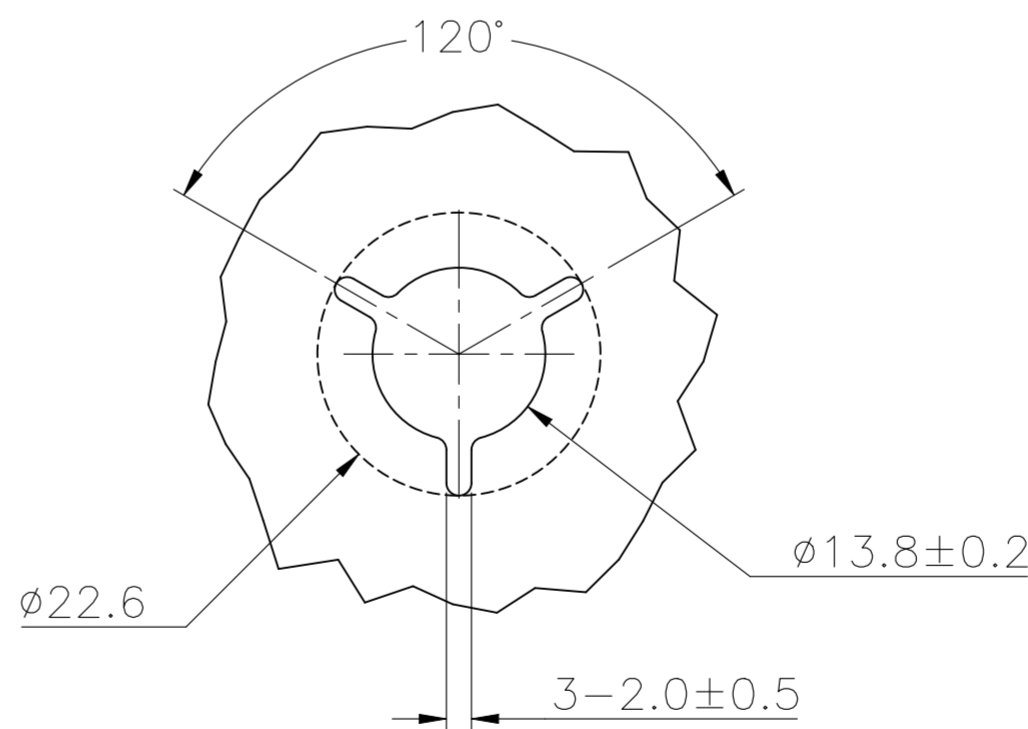
Label



REEL



Packing Specification		
Non-Pocket Portion	Trailer Portion	200mm [10 Pocket min.]
	Leader Portion	[10 Pocket min.]



DETAIL OF A

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DIMENSIONS: mm		CHK MANOJ YADAV 18APR2025		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD MANOJ YADAV 18APR2025	NAME ULTRAMINIATURE 3.0X2.0MM TACT SWITCH, SMT	
0 PLC ± -		PRODUCT SPEC	SIZE A2	
1 PLC ± -		APPLICATION SPEC	CAGE CODE 00779	DRAWING NO C=2425753
2 PLC ± -		WEIGHT	RESTRICTED TO -	
3 PLC ± -		FINISH -	SCALE NTS	SHEET 3 OF 3
4 PLC ± -		CUSTOMER DRAWING	REV A1	
ANGLES ± -				
MATERIAL SEE TABLE 1				