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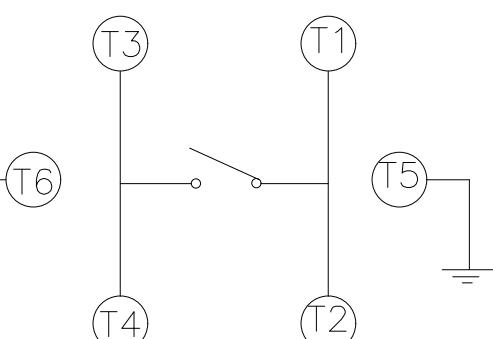
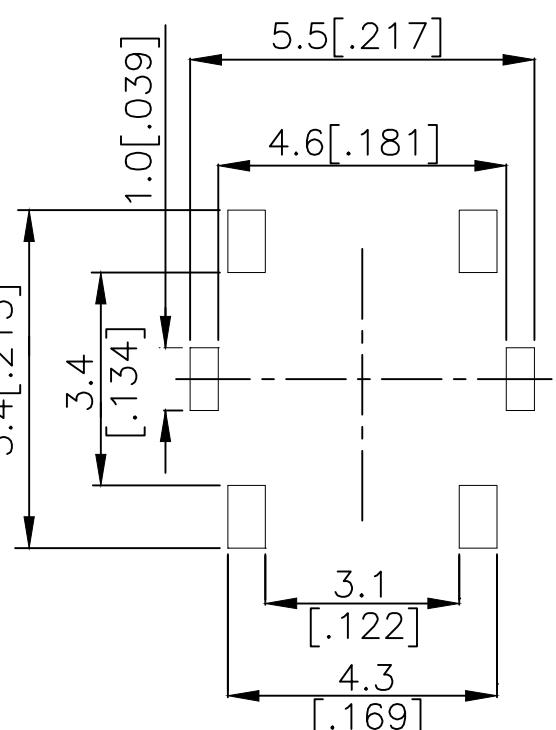
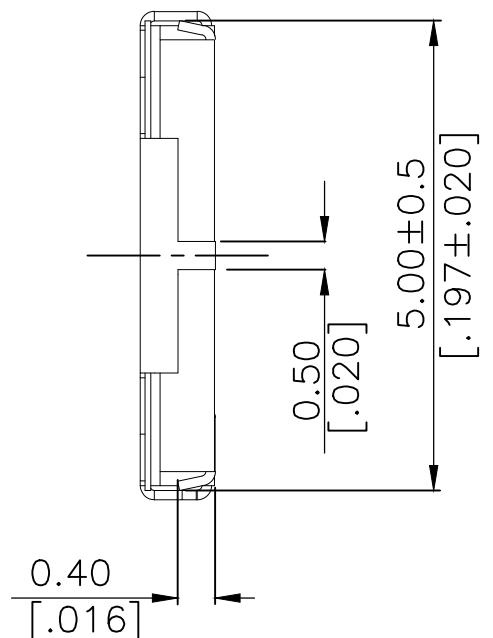
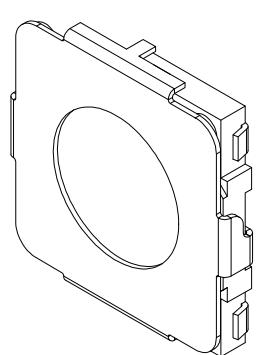
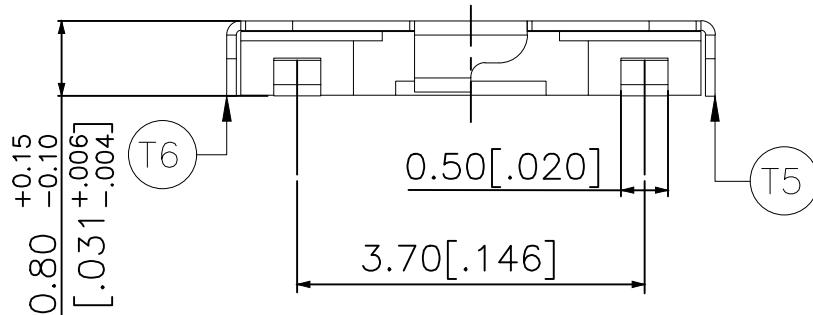
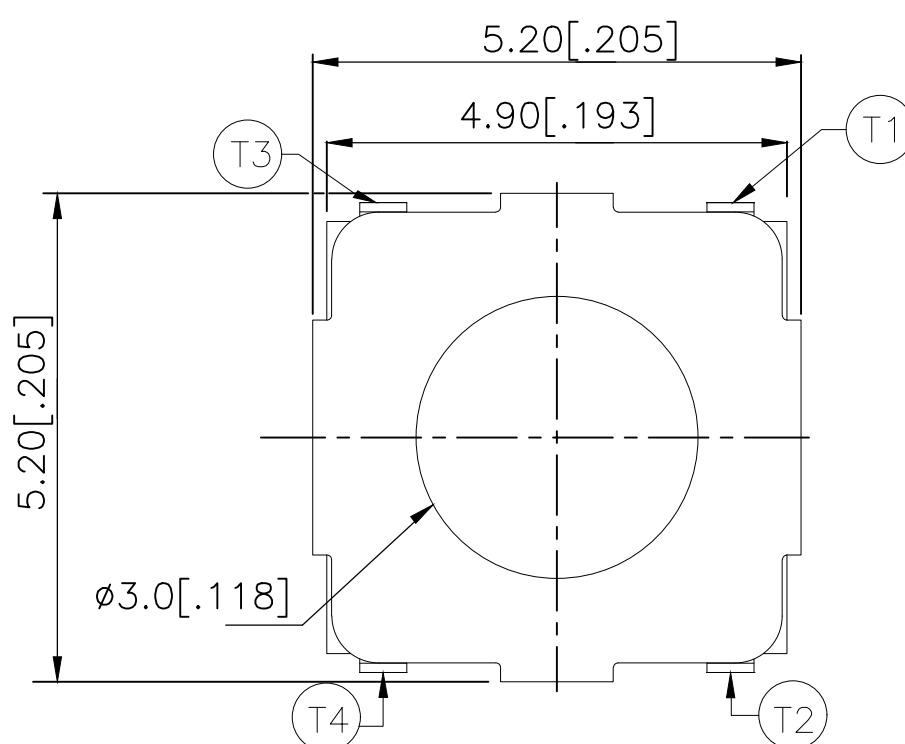
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## REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
2		REVISE DIMENSION	06AUG2018	GCM	AS



CIRCUIT DIAGRAM

ACTUATION FORCE (gf)	SMART PART NUMBER	PART NUMBER
260±50	MSLPT5252AL4TR	2337242-3
160±50	MSLPT5252AL3TR	2337242-2
100±50	MSLPT5252AL2TR	2337242-1

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DWN 04JUL2018 GANESH C M	04JUL2018 CHK ALEXANDER SHARPE	NAME TE Connectivity Ltd.
APVD 04JUL2018 ALEXANDER SHARPE	PRODUCT SPEC —	SWITCH, TACTILE, LOW-PROFILE, MINI, 5.2 x 5.2 x 0.8, J BEND
	APPLICATION SPEC —	—
	WEIGHT	
	CUSTOMER DRAWING	

DIMENSIONS: mm [INCHES]

0 PLC	± -
1 PLC	± -
2 PLC	± 0.20 [.008]
3 PLC	± -
4 PLC ANGLES	± -

TOLERANCES UNLESS OTHERWISE SPECIFIED:

MATERIAL: —

FINISH: —

SIZE: A3

CAGE CODE: 00779

DRAWING NO: C-2337242

RESTRICTED TO: —

SCALE: NTS

1 OF 3

REV: 2

PRELIMINARY

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## NOTES:

## 1. MATERIALS:

TERMINAL: COPPER ALLOY, SILVER OVER NICKEL FINISH  
 BASE: THERMOPLASTIC, BLACK  
 ACTUATOR: POLYTETRAFLUOROETHYLENE  
 CONTACT: STAINLESS STEEL, SILVER OVER NICKEL FINISH  
 COVER: NICKEL SILVER

## 2. COMPLIANCE:

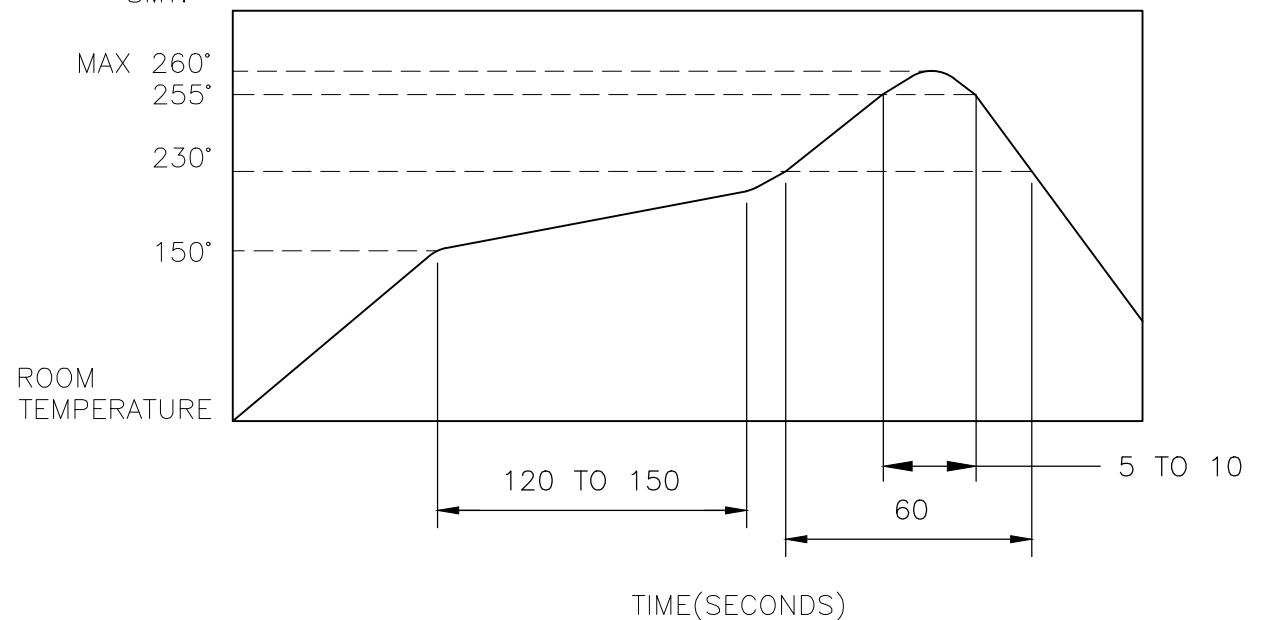
ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU  
 DIRECTIVE 2002/95/EC OF 27JAN2003(RoHS)

## 3. SPECIFICATIONS:

RATING: 50 mA, 12V DC  
 CONTACT RESISTANCE: 100mΩ MAXIMUM (INITIAL)  
 INSULATION RESISTANCE: 100MΩ MINIMUM (INITIAL)  
 DIELECTRIC STRENGTH: 250V AC, 1 MINUTE  
 OPERATING LIFE: 2337242-1 (100gf) = 1,000,000 CYCLES WITH LOAD  
 2337242-2 (160gf) = 1,000,000 CYCLES WITH LOAD  
 2337242-3 (260gf) = 200,000 CYCLES WITH LOAD  
 TRAVEL:  $0.25^{+0.1}_{-0.2}$  [0.10<sup>+.004</sup><sub>-.008</sub>]  
 ACTUATION FORCE: 2337242-1 =  $100 \pm 50$ gf  
 2337242-2 =  $160 \pm 50$ gf  
 2337242-3 =  $260 \pm 50$ gf  
 OPERATING TEMPERATURE: -25° TO 70°C  
 STORAGE TEMPERATURE: -30° TO 80°C

## 4. SOLDER CONDITIONS:

SMT:



THE CONDITION NOTED ABOVE IS THE TEMPERATURE OF THE COPPER FOIL ON  
 THE SURFACE OF THE PCB. THERE ARE CASES WHERE THE TEMPERATURE OF  
 THE BOARD GREATLY DIFFERS FROM THE SURFACE OF THE SWITCH. DO NOT  
 ALLOW THE SURFACE TEMPERATURE OF THE SWITCH TO EXCEED 260°C.

PRELIMINARY

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± -
1 PLC	± -
2 PLC	± 0.20 [.008]
3 PLC	± -
4 PLC ANGLES	± -      ± -

MATERIAL

FINISH

WEIGHT

DWN 04JUL2018

CHK 04JUL2018

APVD 04JUL2018

PRODUCT SPEC

—

APPLICATION SPEC

—

REVISIONS

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

## MANUAL SOLDERING:

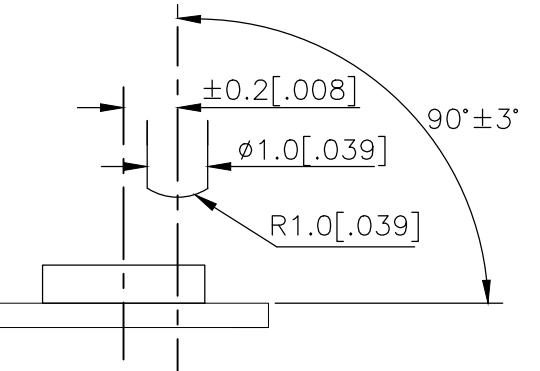
SOLDERING TEMPERATURE	350°C MAXIMUM
CONTINUOUS SOLDERING TIME	5 SECONDS MAXIMUM

## HANDLING PRECAUTIONS:

1. CARE SHOULD BE EXERCISED SO THAT FLUX FROM THE TOP SURFACE OF THE PRINTED CIRCUIT BOARD DOES NOT ADHERE TO THE SWITCH.
2. DO NOT WASH THE SWITCH

## 5. OPERATING PRECAUTIONS:

1. DO NOT ACTUATE THE SWITCH WITH EXCESSIVE FORCE
2. DISCONTINUE FORCE AFTER THE SWITCH HAS BEEN ACTUATED SO AS TO AVOID DEFORMATION OF THE COMPONENTS OF THE SWITCH. DEFORMATION OF THE COMPONENTS MAY CAUSE THE SWITCH TO MALFUNCTION.
3. ALIGN THE PLUNGER WITH THE SWITCH TO INSURE PROPER OPERATION



## 6. STORAGE CONDITIONS:

AVOID THE FOLLOWING AS EXPOSURE MAY AFFECT THE PERFORMANCE AND/OR THE SOLDERABILITY OF THE SWITCH:

1. TEMPERATURE OF -10° TO 40°C AND 85% HUMIDITY
2. EXPOSURE TO CORROSIVE GAS
3. STORAGE OVER 6 MONTHS
4. EXPOSURE TO DIRECT SUNLIGHT

STORAGE CONDITIONS SHOULD PREVENT HEAVY IMPACT OR LOADING

AFTER OPENING THE PACKAGE, UNUSED SWITCHES MUST BE REPACKAGED IN A MOISTURE-PROOF AND AIRTIGHT ENVIRONMENT.



TE Connectivity Ltd.

SWITCH, TACTILE, LOW-PROFILE, MINI,  
 5.2 x 5.2 x 0.8, J BEND

NAME	A3 00779 C-2337242			RESTRICTED TO
SIZE	CAGE CODE	DRAWING NO		
A3	00779	C-2337242		
SCALE				
NTS	SHEET	2 OF 3	REV	2

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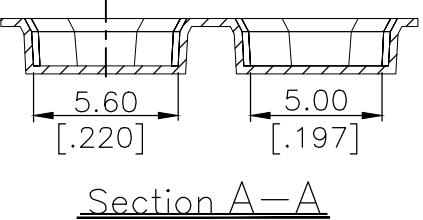
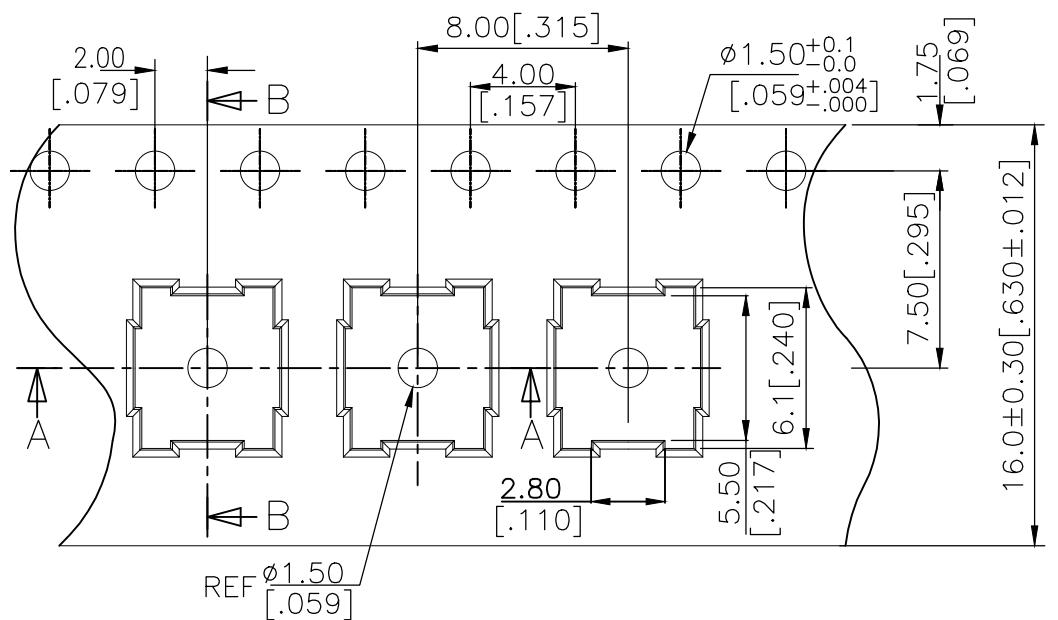
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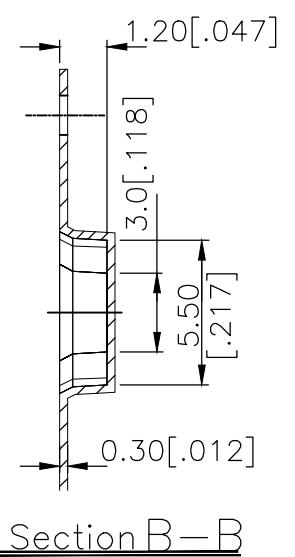
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PACKAGING:  
4,000 SWITCHES PER REEL

## THE DIMENSIONS OF CARRIER TAPE AND REEL:

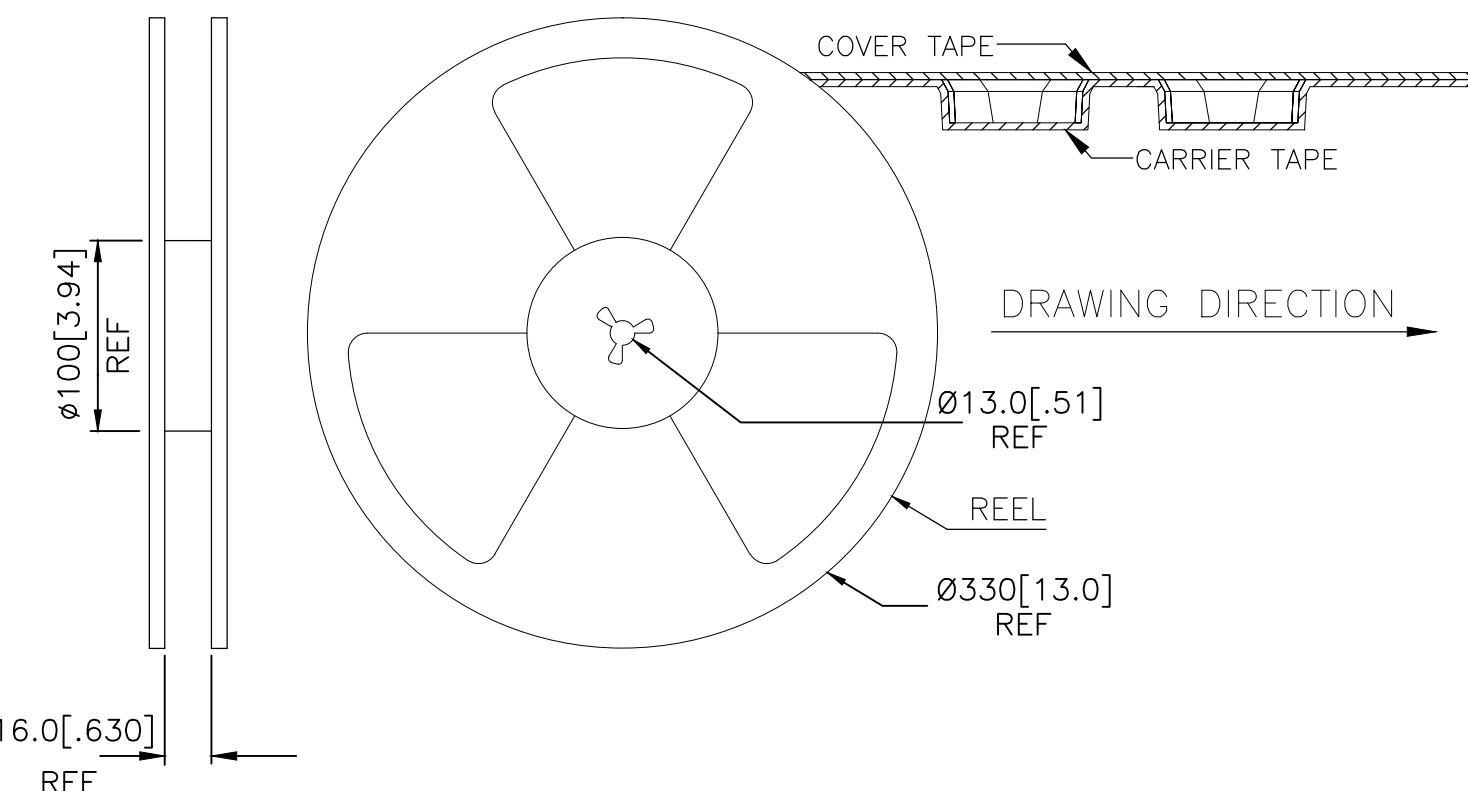
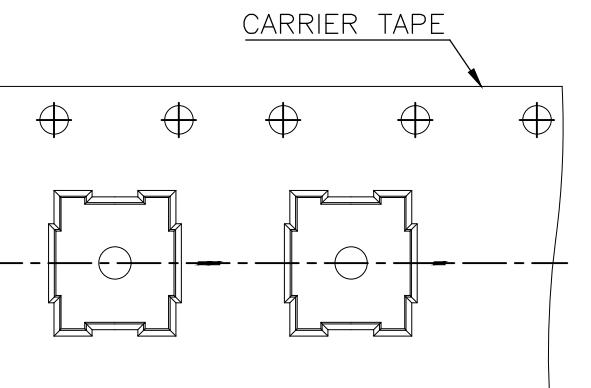


Section A-A



Section B-B

## ORIENTATION OF PILOT HOLES



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1	PLC	± -	
2	PLC	± 0.20 [.008]	
3	PLC	± -	
4	PLC ANGLES	± -	± -

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WEIGHT

CUSTOMER DRAWING



TE Connectivity Ltd.

SWITCH, TACTILE, LOW-PROFILE, MINI,  
5.2 x 5.2 x 0.8, J BEND

A3 00779 C-2337242

SCALE NTS SHEET 3 OF 3 REV 2