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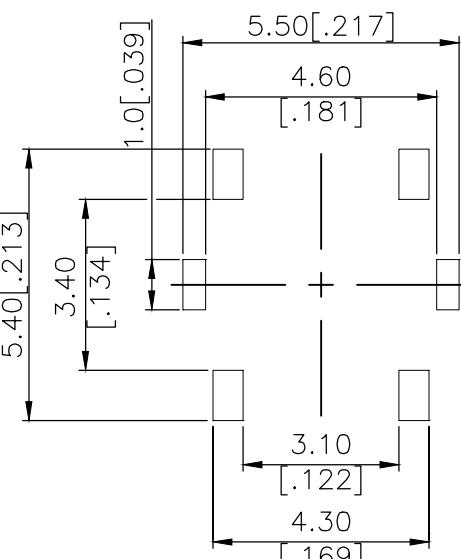
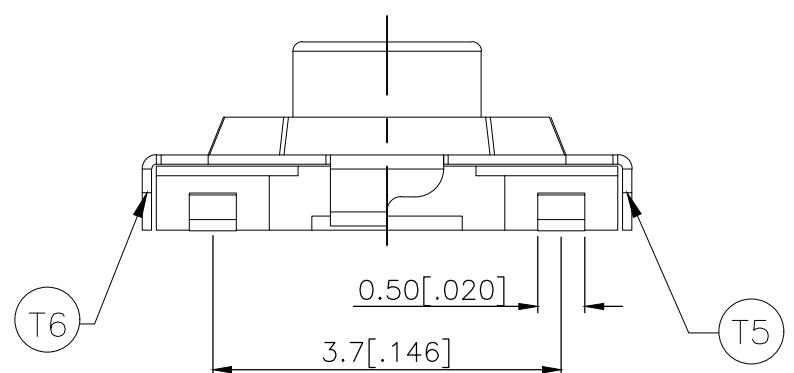
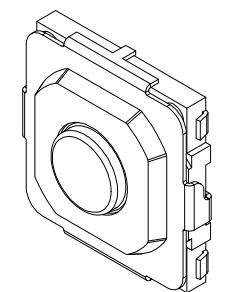
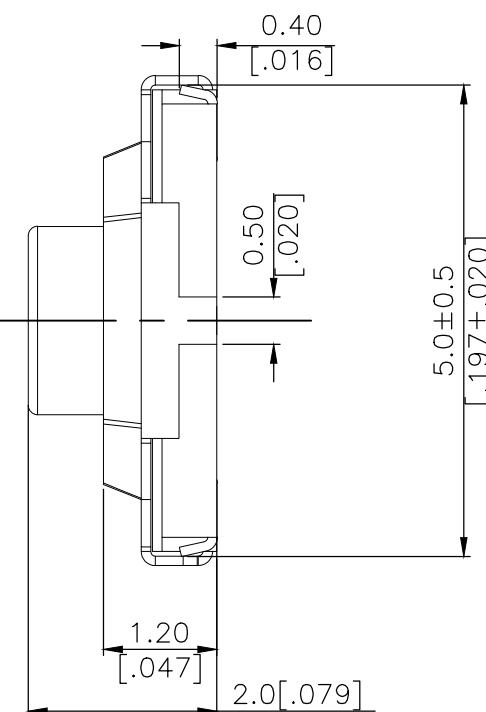
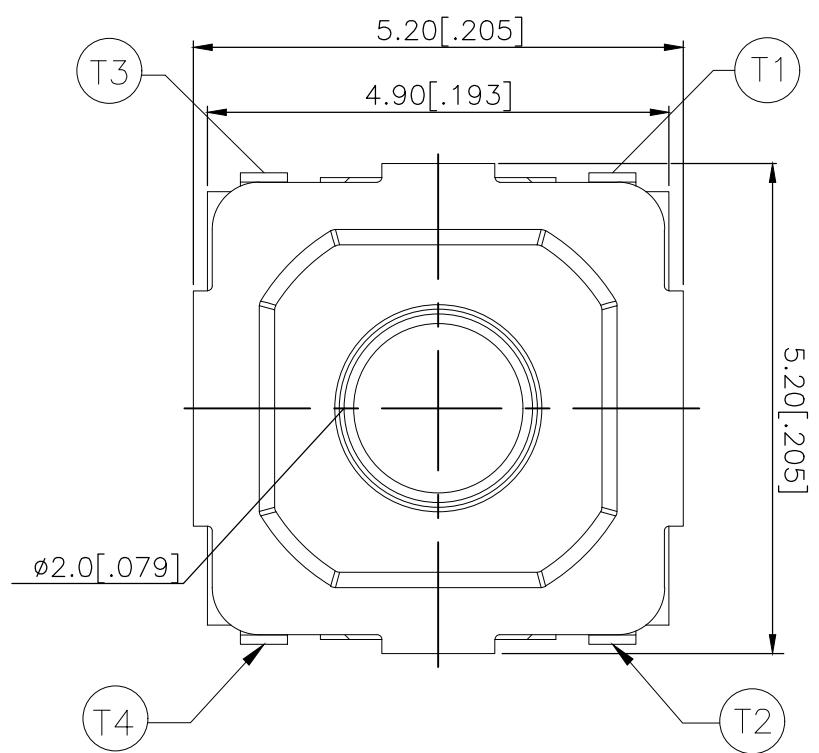
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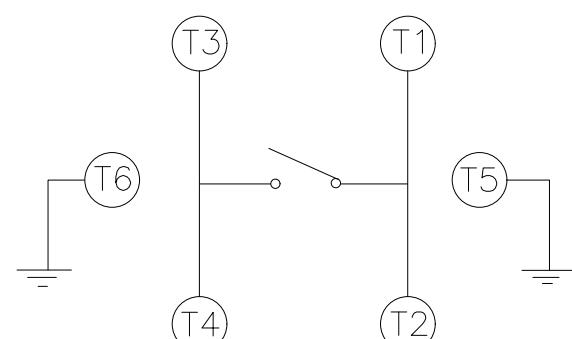
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## REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
1		NEW DRAWING	04JUL2018	GCM	AS



P.C.B LAYOUT



CIRCUIT DIAGRAM

WHITE	260±50	MSLPT5252CL4WTR	2337245-4
BLACK	160±50	MSLPT5252CL3BTR	2337245-3
WHITE	100±50	MSLPT5252CL2WTR	2337245-2
BLACK	70±50	MSLPT5252CL1BTR	2337245-1
ACTUATOR COLOR	ACTUATION FORCE (gf)	SMART PART NUMBER	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	04JUL2018	NAME
DWN	04JUL2018	GANESH C M	04JUL2018	
CHK	04JUL2018	ALEXANDER SHARPE	ALEXANDER SHARPE	
APVD	04JUL2018	ALEXANDER SHARPE	PRODUCT SPEC	
			APPLICATION SPEC	
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:			
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES	± - ± - ± 0.2 [.008] ± - ± - ± -			
MATERIAL	FINISH	WEIGHT		
-	-			
CUSTOMER DRAWING		SCALE	NTS	SHEET 1 OF 3
A3 00779 C-2337245				REV 1

PRELIMINARY

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## NOTES:

## 1. MATERIALS:

TERMINAL: COPPER ALLOY, SILVER OVER NICKEL FINISH  
 BASE: THERMOPLASTIC, BLACK  
 ACTUATOR: THERMOPLASTIC, SEE TABLE, SHEET 1 OF 3, FOR COLOR  
 TAPE: POLYTERAFLUOROETHYLENE  
 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: 2337245-1 (70 gf) = 1,000,000 CYCLES WITH LOAD  
 2337245-2 (100 gf) = 1,000,000 CYCLES WITH LOAD  
 2337245-3 (160 gf) = 1,000,000 CYCLES WITH LOAD  
 2337245-4 (260 gf) = 200,000 CYCLES WITH LOAD

TRAVEL:  $0.25^{+0.1}_{-0.2}$  [.010<sup>+.004</sup><sub>-.008</sub>]

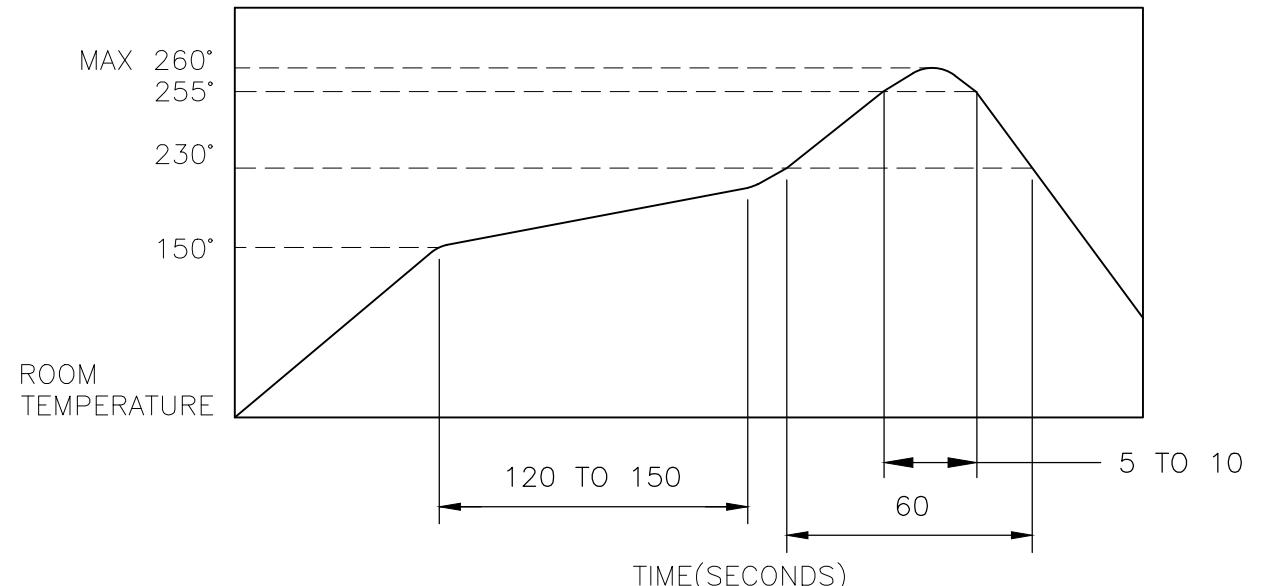
ACTUATION FORCE: 2337245-1 =  $70 \pm 50$ gf  
 2337245-2 =  $100 \pm 50$ gf  
 2337245-3 =  $160 \pm 50$ gf  
 2337245-4 =  $260 \pm 50$ gf

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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DIMENSIONS: mm [INCHES]

		TOLERANCES UNLESS OTHERWISE SPECIFIED:
0	PLC	± -
1	PLC	± -
2	PLC	± 0.2 [.008]
3	PLC	± -
4	PLC ANGLES	± -

MATERIAL

FINISH

WEIGHT

DWN 04JUL2018

CHK 04JUL2018

APVD 04JUL2018

ALEXANDER SHARPE

PRODUCT SPEC

—

APPLICATION SPEC

—

REVISIONS

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

## MANUAL SOLDERING:

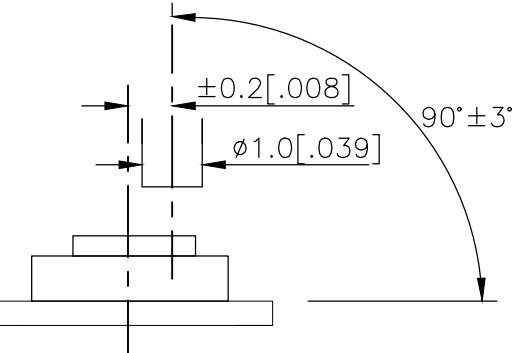
SOLDERING TEMPERATURE	350°C MAXIMUM
CONTINUOUS SOLDERING TIME	5 SECONDS MAXIMUM

## 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 2.0, J BEND

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2337245	—
NTS	SCALE	2 OF 3	REV 1

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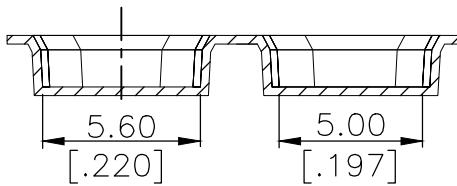
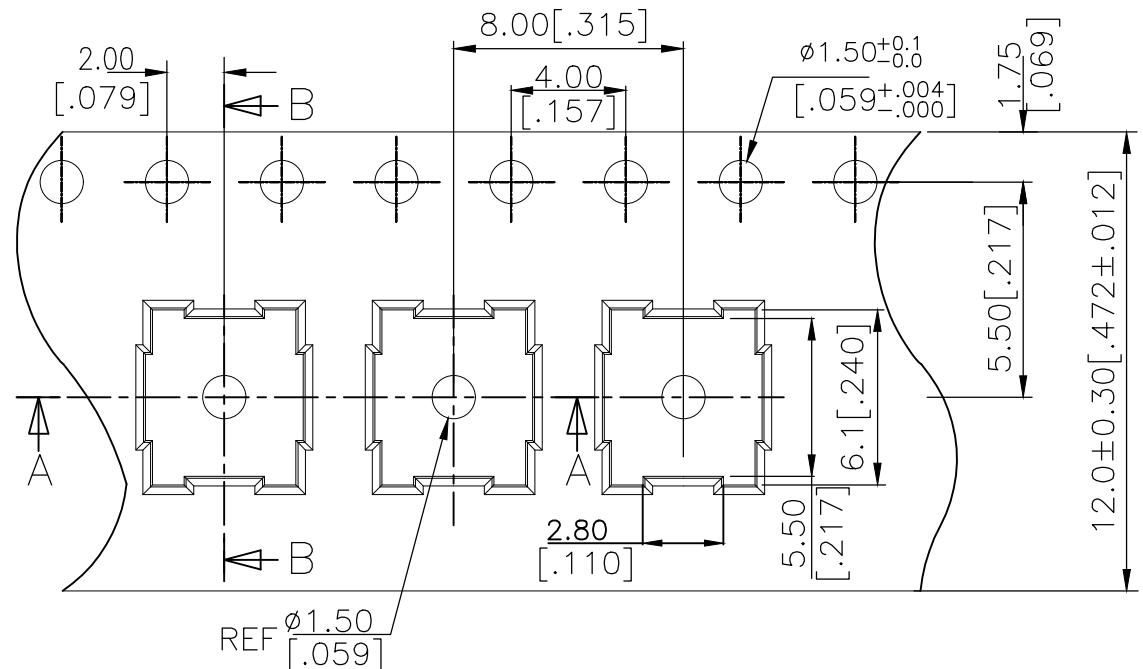
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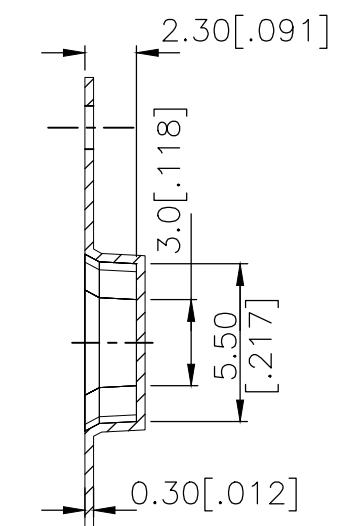
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PACKAGING:  
3,000 SWITCHES PER REEL

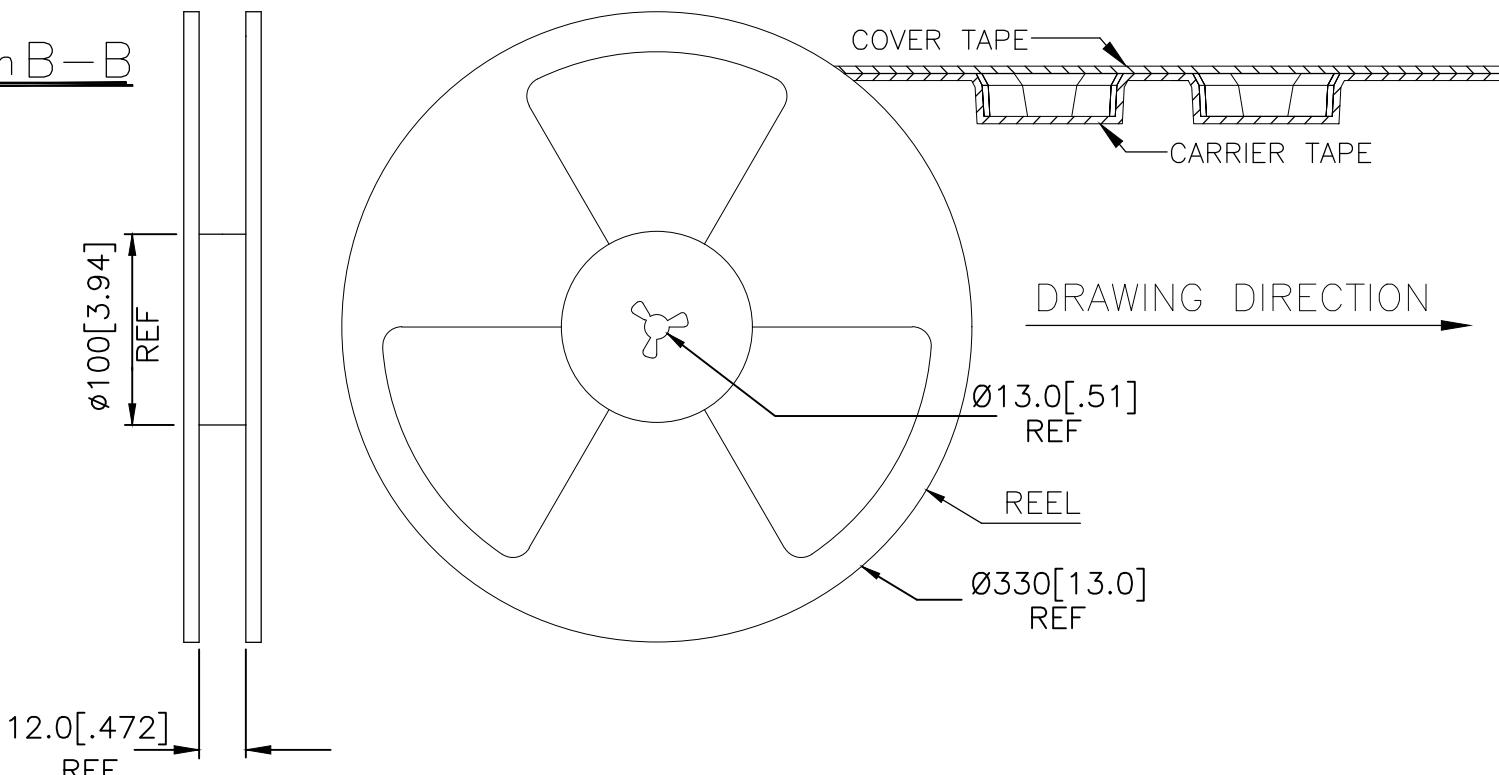
THE DIMENSIONS OF CARRIER TAPE AND REEL:



Section A-A

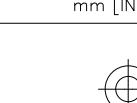


Section B-B



PRELIMINARY

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DIMENSIONS:  
mm [INCHES]TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC	± -
1 PLC	± -
2 PLC	± 0.2 [.008]
3 PLC	± -
4 PLC ANGLES	± -

MATERIAL

FINISH

DWN 04JUL2018  
GANESH C MCHK 04JUL2018  
ALEXANDER SHARPEAPVD 04JUL2018  
ALEXANDER SHARPE

PRODUCT SPEC

—

APPLICATION SPEC

—

WEIGHT

—

CUSTOMER DRAWING



TE Connectivity Ltd.

SWITCH, TACTILE, LOW-PROFILE,  
MINI, 5.2 x 5.2 x 2.0, J BENDSIZE A3  
CAGE CODE 00779  
DRAWING NO C-2337245RESTRICTED TO  
NTS  
SHEET 3 OF 3  
REV 1