

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

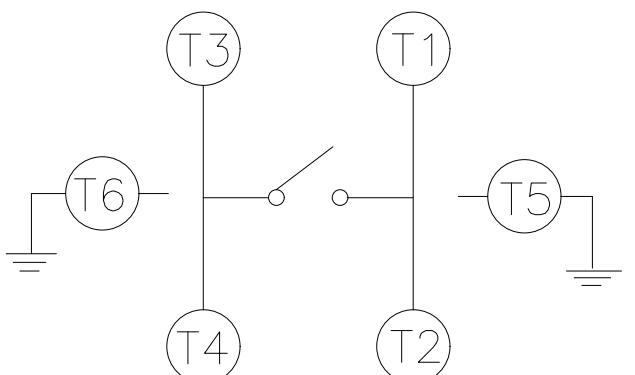
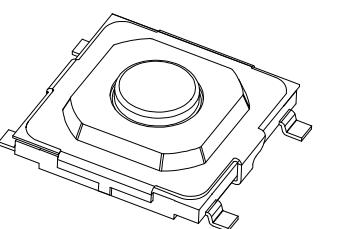
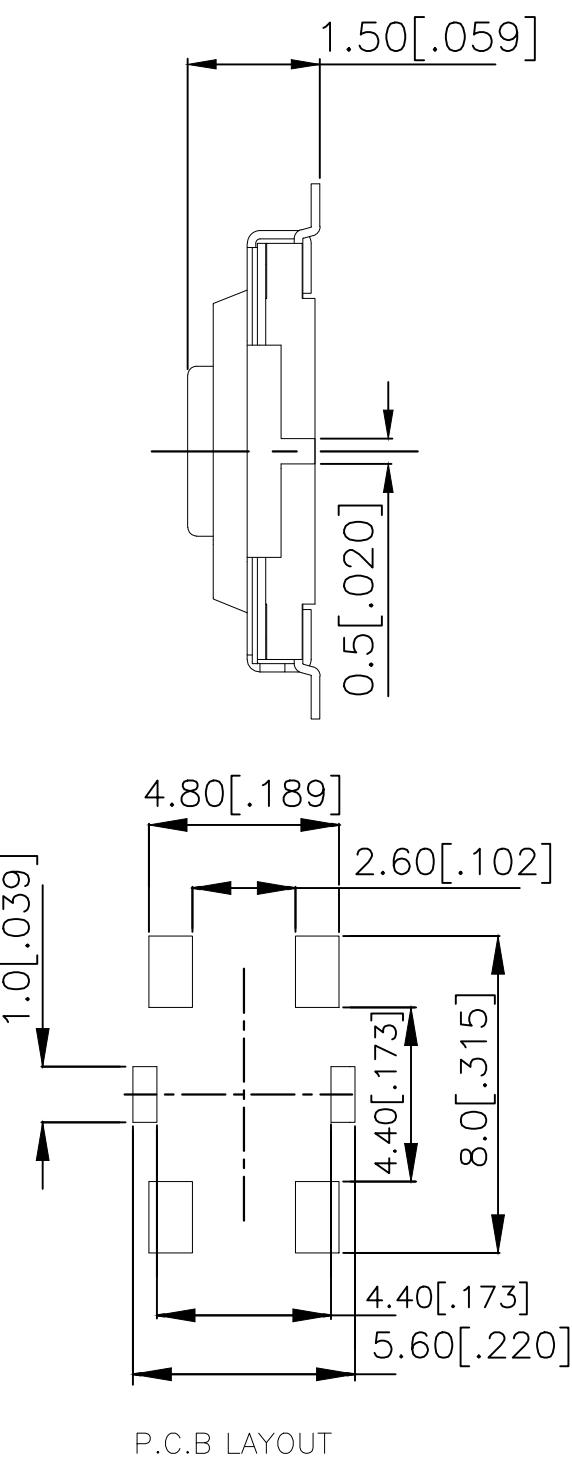
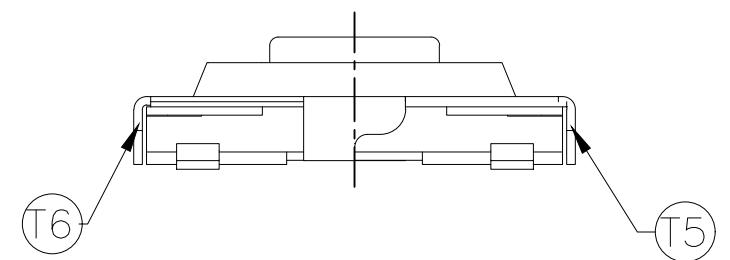
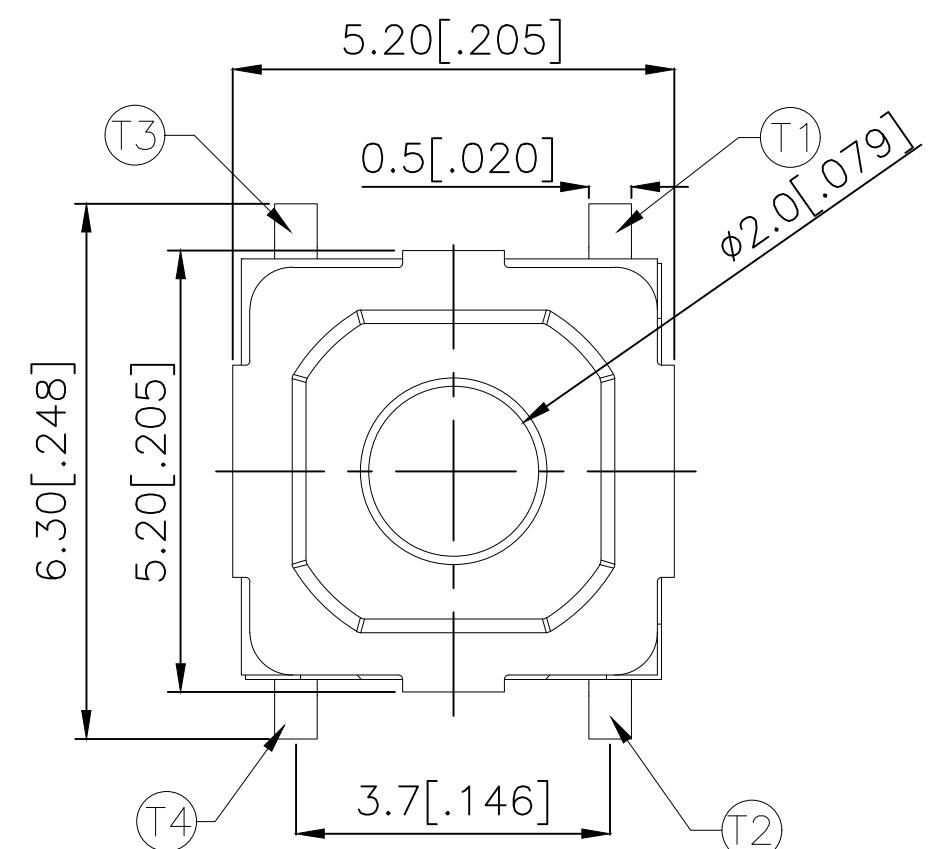
- - -

ALL RIGHTS RESERVED.

© COPYRIGHT - TE Connectivity Ltd.

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
B		REVISED PER ECR-19-004770	10APR2019	SR	DD



CIRCUIT DIAGRAM

ACTUATION FORCE (gf)	SMART PART NUMBER	PART NUMBER
260±50	MSLPT5252BG4MTR	2337237-4
160±50	MSLPT5252BG3MTR	2337237-3
100±50	MSLPT5252BG2MTR	2337237-2
70±50	MSLPT5252BG1MTR	2337237-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	04JUL2018	NAME
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK	04JUL2018	
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES	± - ± - ± 0.2 [.008] ± - ± - ± -	APVD	04JUL2018	ALEXANDER SHARPE
	PRODUCT SPEC			
	APPLICATION SPEC			
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE
-	-		A3	00779 C-2337237
CUSTOMER DRAWING				RESTRICTED TO
NTS	SHEET	1 OF 3	REV	B

TE Connectivity Ltd.

SWITCH, TACTILE, LOW-PROFILE, MINI,
5.2 x 5.2 x 1.5, GULLWING

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

- , - .

ALL RIGHTS RESERVED.

© COPYRIGHT - TE Connectivity Ltd.

NOTES:

1. MATERIALS:

TERMINAL: COPPER ALLOY, SILVER OVER NICKEL FINISH
 BASE: THERMOPLASTIC, BLACK
 ACTUATOR: STEEL, NICKEL FINISH
 TAPE: 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: 2337237-1 (70gf) = 1,000,000 CYCLES WITH LOAD
 2337237-2 (100gf) = 1,000,000 CYCLES WITH LOAD
 2337237-3 (160gf) = 1,000,000 CYCLES WITH LOAD
 2337237-4 (260gf) = 200,000 CYCLES WITH LOAD

TRAVEL: $0.25^{+0.1}_{-0.2}$ [.010^{+.004}_{-.008}]

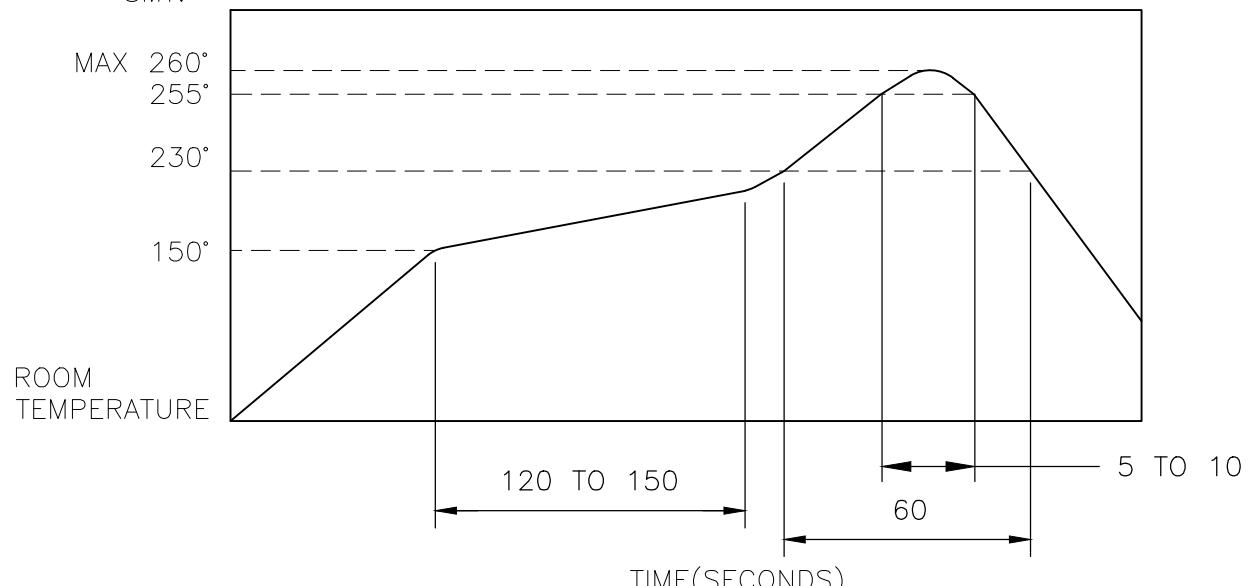
ACTUATION FORCE: 2337237-1 = 70 ± 50 gf
 2337237-2 = 100 ± 50 gf
 2337237-3 = 160 ± 50 gf
 2337237-4 = 260 ± 50 gf

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.

REVISIONS

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

MANUAL SOLDERING:

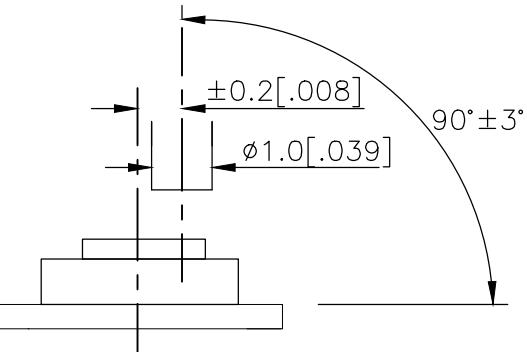
SOLDERING TEMPERATURE	350°C MAXIMUM
CONTINUOUS SOLDERING TIME	5 SECONDS MAXIMUM

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN GANESH C M 04JUL2018	CHK ALEXANDER SHARPE 04JUL2018	NAME SWITCH, TACTILE, LOW-PROFILE, MINI, 5.2 x 5.2 x 1.5, GULLWING -
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.2 [.008] 3 PLC ± - 4 PLC ± - ANGLES ± -	PRODUCT SPEC — APPLICATION SPEC —
MATERIAL -	FINISH -	WEIGHT -
CUSTOMER DRAWING		RESTRICTED TO A3 00779 C-2337237
SCALE NTS	SHEET 2 OF 3	REV B

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

- , - .

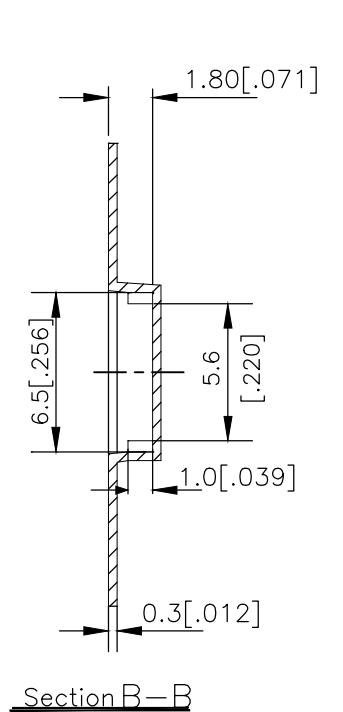
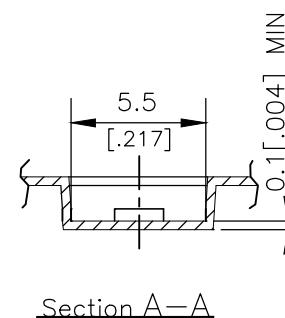
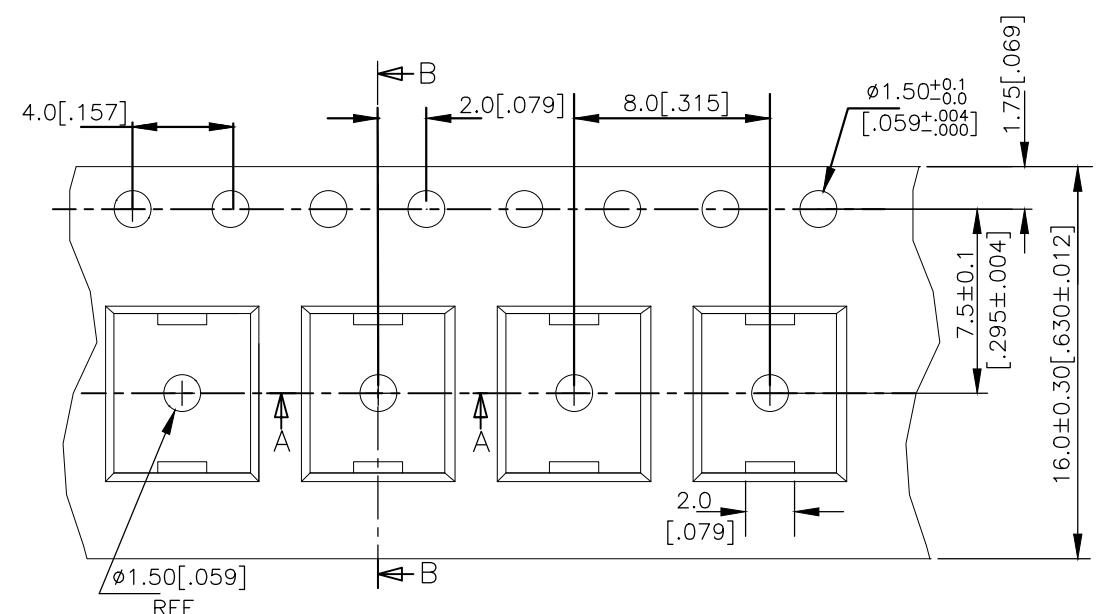
© COPYRIGHT - TE Connectivity Ltd.

ALL RIGHTS RESERVED.

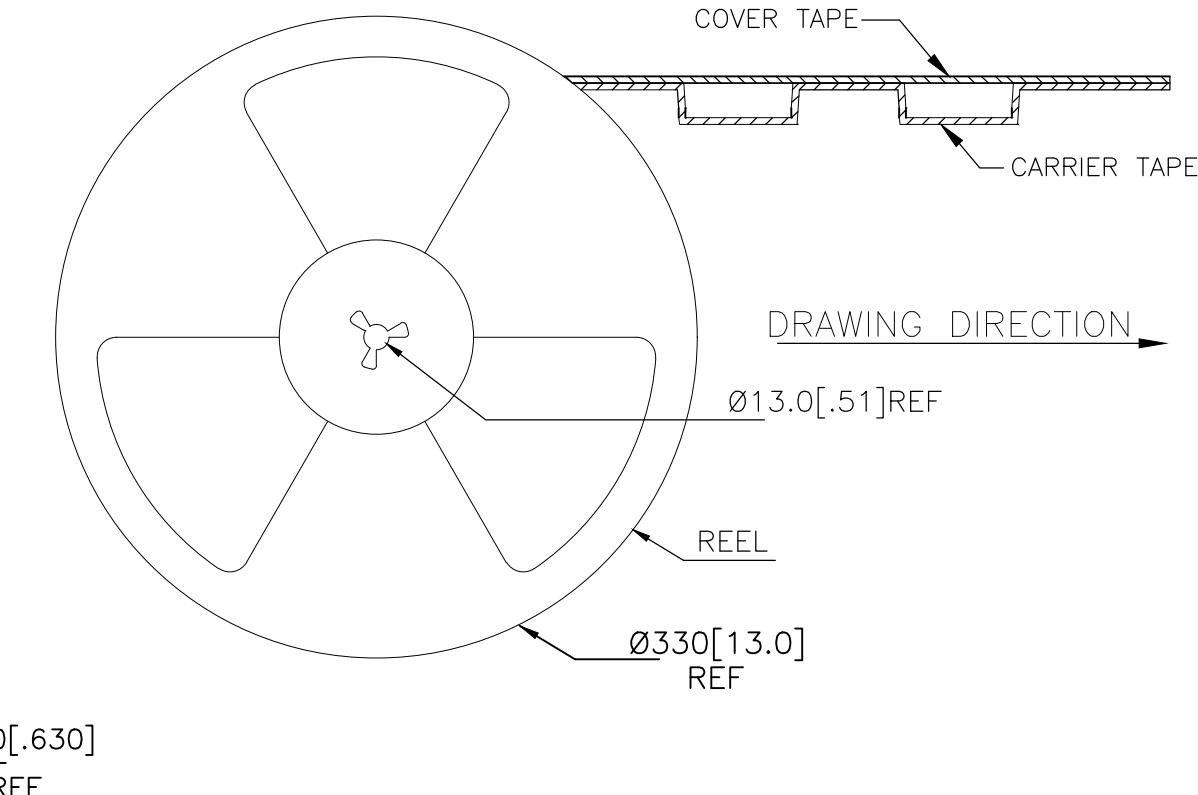
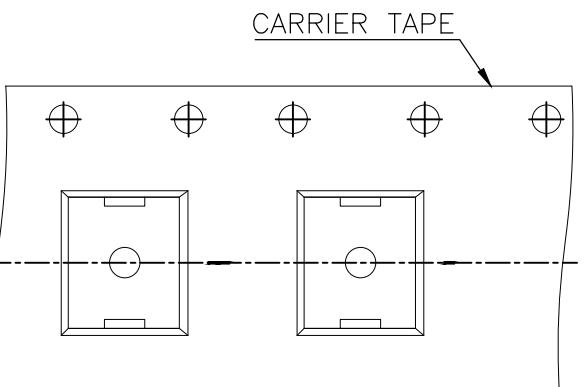
REVISIONS

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

THE DIMENSIONS OF CARRIER TAPE AND REEL:



ORIENTATION OF PILOT HOLES



6. PACKAGING:

1. THE TAPE AND REEL ARE SHOWN FOR CUSTOMER APPLICATION REFERENCE. PACKAGING NOTES 3 AND 4 ARE REQUIRED BUT NOT ILLUSTRATED.
2. 4,000 SWITCHES PER REEL.
3. THE REEL, DESICCANT POUCH AND HUMIDITY CARD ARE SEALED IN A MOISTURE BARRIER BAG PER THE CURRENT REVISION OF IPC/JEDEC J-STD-033, MSL 2A REQUIREMENTS.
4. THE MOISTURE BARRIER BAG IS LABELED PER THE CURRENT REVISION OF IPC/JEDEC J-STD-033, MSL 2A REQUIREMENTS.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 04JUL2018	NAME SWITCH, TACTILE, LOW-PROFILE, MINI, 5.2 x 5.2 x 1.5, GULLWING
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± 0.2 [.008] 3 PLC ± - 4 PLC ± - ANGLES ± -	CHK ALEXANDER SHARPE 04JUL2018	
PRODUCT SPEC	—	APVD ALEXANDER SHARPE 04JUL2018	
APPLICATION SPEC	—		
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2337237	—
CUSTOMER DRAWING			SCALE NTS
			3 OF 3
			REV B