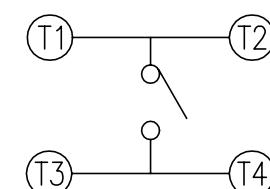
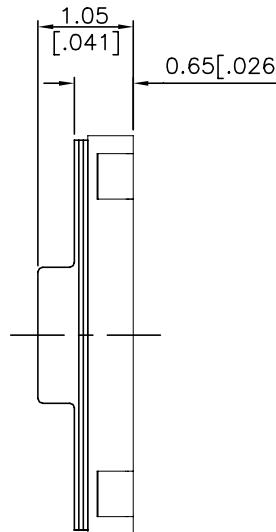
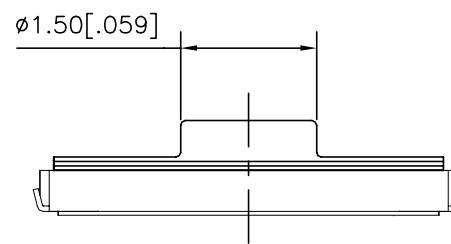
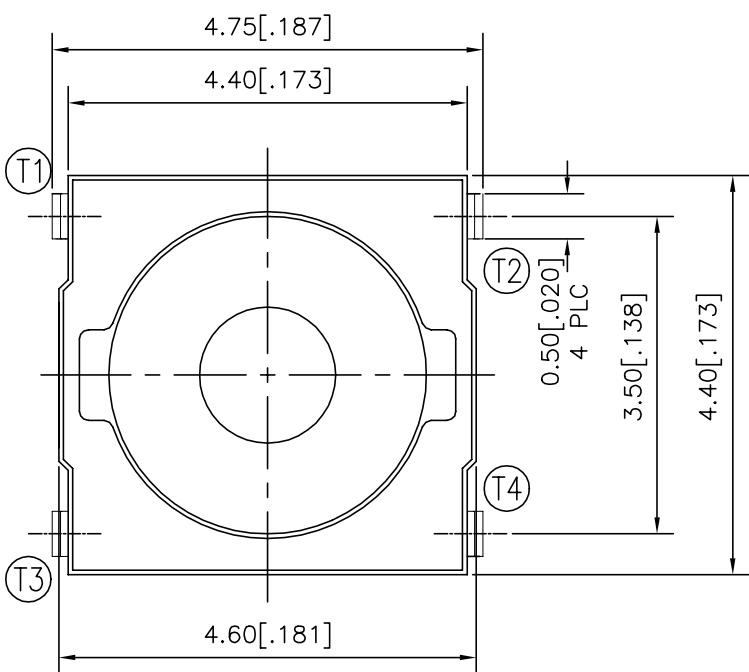
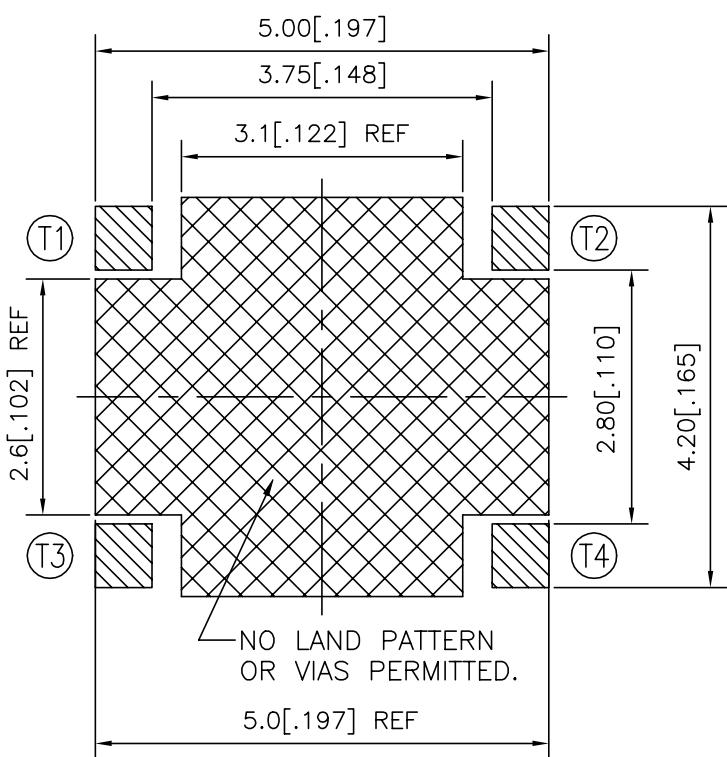


P	LTR	DESCRIPTION	DATE	DWN	APVD
B1		REVISED PER ECR-20-011054	04AUG2020	KG	AS



CIRCUIT DIAGRAM



P.C.B. LAYOUT

260±50	MCSLPT4644B4PHTR	2337235-4
200±50	MCSLPT4644B3PHTR	2337235-3
160±50	MCSLPT4644B2PHTR	2337235-2
100±50	MCSLPT4644B1PHTR	2337235-1
ACTUATION FORCE (gf)	SMART PART NUMBER	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 04JUL2018	04JUL2018 CHK ALEXANDER SHARPE	NAME SWITCH, TACTILE, LOW-PROFILE, MICRO-MINI, 4.6 x 4.4 x 1.05, J BEND —
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD 04JUL2018 ALEXANDER SHARPE	PRODUCT SPEC —	
	0 PLC ± - 1 PLC ± - 2 PLC ± 0.2 [.008] 3 PLC ± - 4 PLC ± - ANGLES ± -	APPLICATION SPEC —	SIZE A3	CAGE CODE 00779
MATERIAL —	FINISH —	WEIGHT —	DRAWING NO C-2337235	RESTRICTED TO —
CUSTOMER DRAWING				SCALE NTS
SHEET 1 OF 3				REV B1

NOTES:

1. MATERIALS:

TERMINAL: COPPER ALLOY, SILVER FINISH
 BASE: THERMOPLASTIC, UL 94V-0, BLACK
 ACTUATOR: SILICONE RUBBER
 CONTACT: STAINLESS STEEL, SILVER FINISH

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: 300V AC, 1 MINUTE
 OPERATING LIFE: 2337235-1 (100gf) = 1,000,000 CYCLES WITH LOAD
 2337235-2 (160gf) = 1,000,000 CYCLES WITH LOAD
 2337235-3 (200gf) = 500,000 CYCLES WITH LOAD
 2337235-4 (260gf) = 500,000 CYCLES WITH LOAD

TRAVEL: 0.2 ± 0.1 (.008±.004)

ACTUATION FORCE: 2337235-1 = 100 ± 50 gf

2337235-2 = 160 ± 50 gf

2337235-3 = 200 ± 50 gf

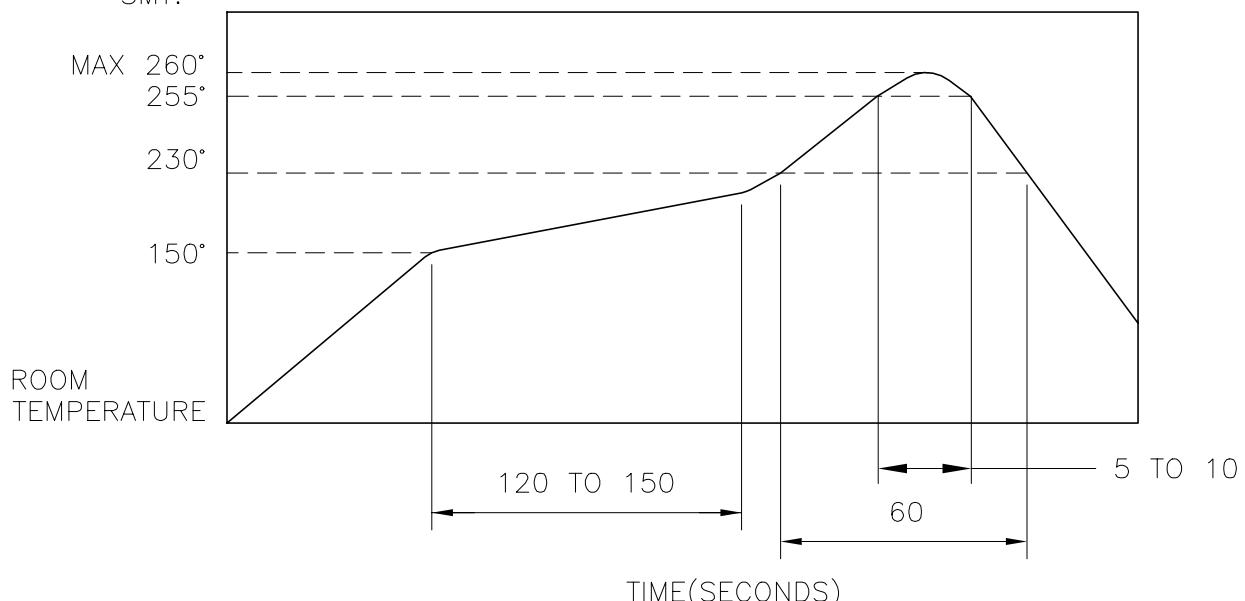
2337235-4 = 260 ± 50 gf

OPERATING TEMPERATURE: -20° 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
-	-	SEE SHEET 1

MANUAL SOLDERING:

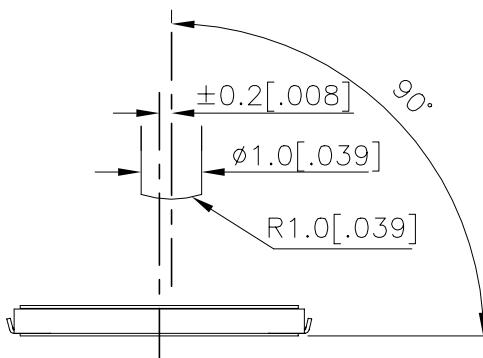
SOLDERING TEMPERATURE	350°C MAXIMUM
CONTINUOUS SOLDERING TIME	5 SECONDS MAXIMUM

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

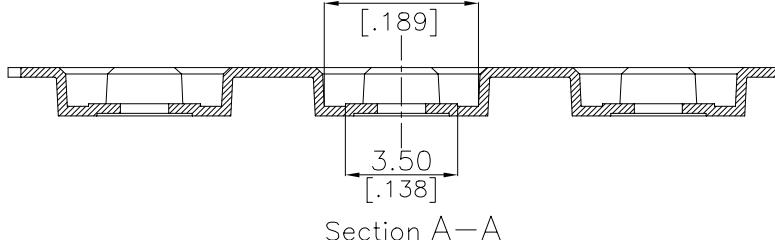
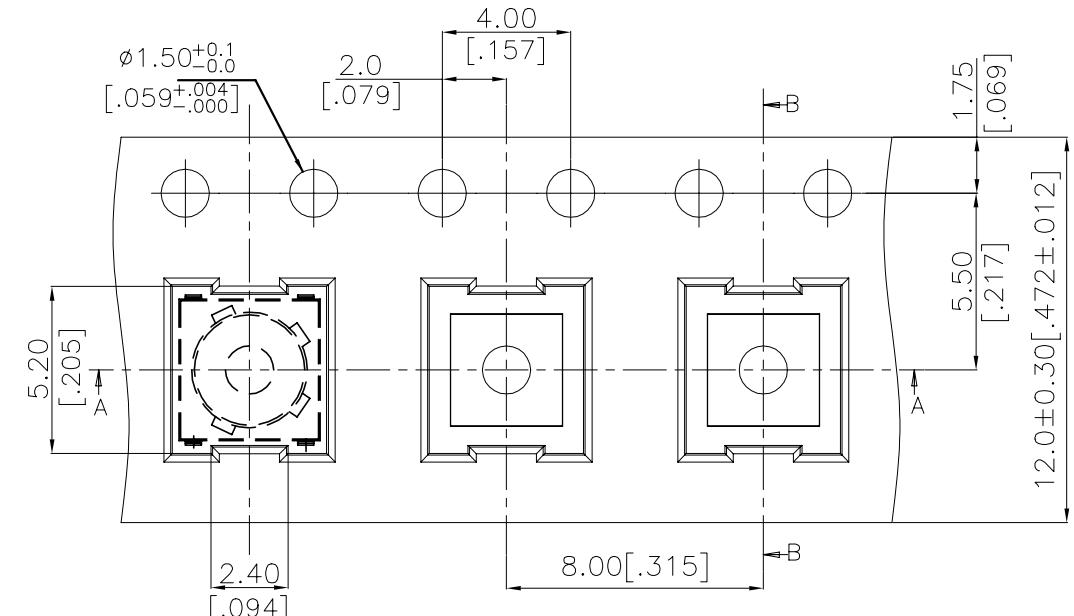


RECOMMENDED OPERATING CONDITIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN GANESH C M 04JUL2018	04JUL2018 CHK ALEXANDER SHARPE	NAME SWITCH, TACTILE, LOW-PROFILE, MICRO-MINI, 4.6 x 4.4 x 1.05, J BEND
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD 04JUL2018 ALEXANDER SHARPE	PRODUCT SPEC —	
	0 PLC \pm — 1 PLC \pm — 2 PLC \pm 0.2 [.008] 3 PLC \pm — 4 PLC \pm — ANGLES \pm —	APPLICATION SPEC —	SIZE CAGE CODE DRAWING NO	RESTRICTED TO
MATERIAL —	FINISH —	WEIGHT —	A300779C-2337235	—
CUSTOMER DRAWING				SCALE NTS SHEET 2 OF 3 REV B1

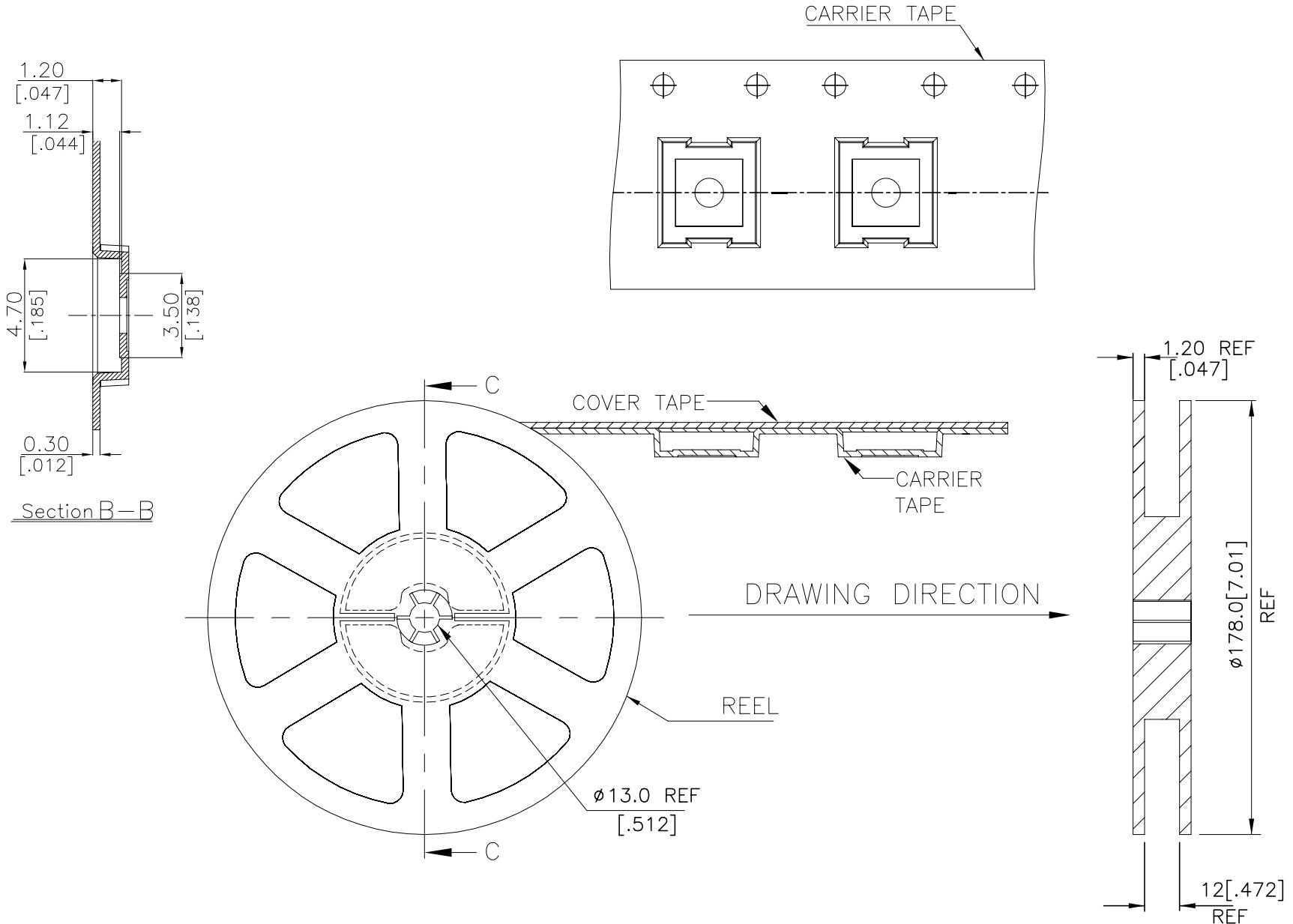
P	LTR	DESCRIPTION	DATE	DWN	APVD
-		SEE SHEET 1	-	-	-

D

THE DIMENSIONS OF CARRIER TAPE AND REELSection A-A

6. PACKAGING:

1. THE TAPE AND REEL ARE SHOWN FOR CUSTOMER APPLICATION REFERENCE. PACKAGING NOTES 3 AND 4 ARE REQUIRED BUT NOT ILLUSTRATED.
2. 1,500 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.

ORIENTATION OF PILOT HOLESSection C-C

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN GANESH C M	04JUL2018	TE TE Connectivity Ltd.
CHK ALEXANDER SHARPE	04JUL2018	
APVD ALEXANDER SHARPE	04JUL2018	
PRODUCT SPEC	—	
APPLICATION SPEC	—	
SIZE	CAGE CODE	DRAWING NO
A3	00779	C-2337235
RESTRICTED TO		
SCALE	NTS	3 OF 3
REV	B1	