THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION — ,— .

REVISIONS

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

4.75[.187]

4.40[.173]

Ø0.80[.031] (T1)
OPERATING AREA

(T2)

(T3)

(T4)

3.50[.138]

4.40[.173]

0.50[.020]

4.60[.181]

0.55[.022]

4.85[.191]

3.65[.144]

(T1)

(T2)

(T3)

(T4)

2.90[.114]

4.10[.161]
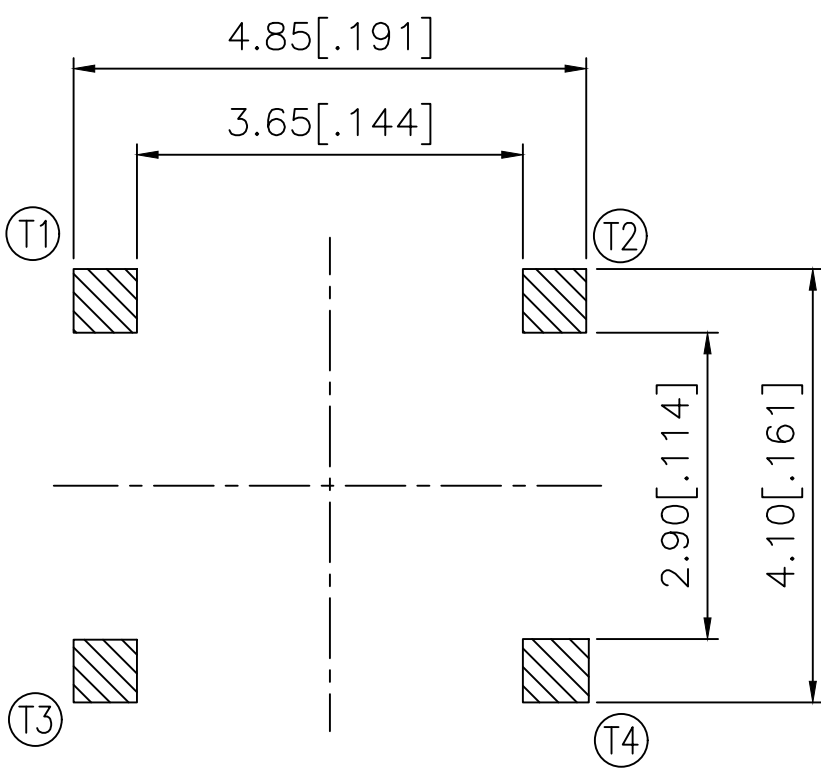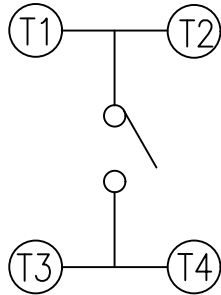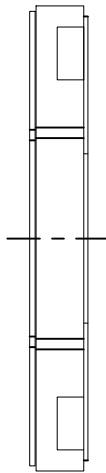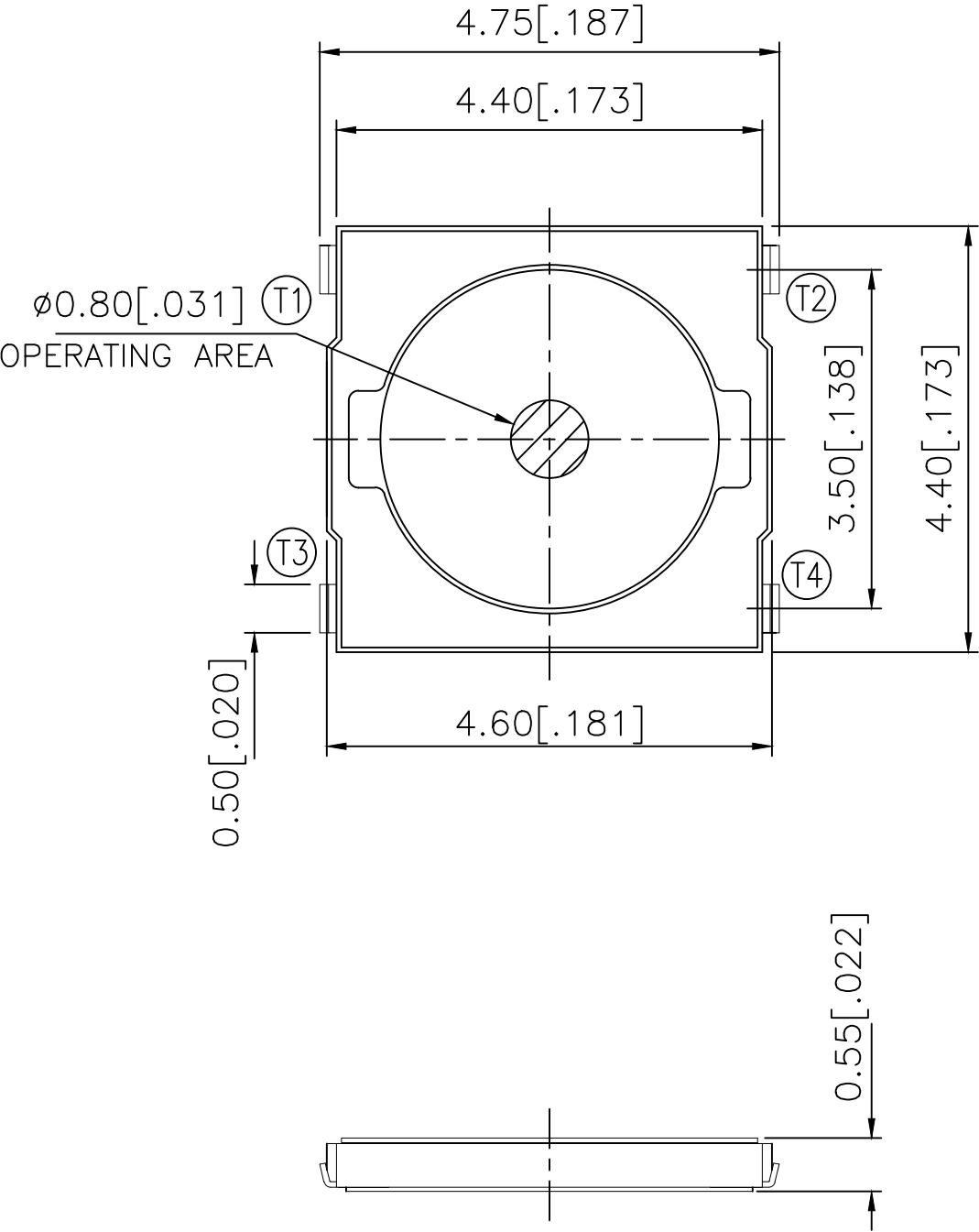
P.C.B. LAYOUT

CIRCUIT DIAGRAM

(T1) —— (T2)

(T3) —— (T4)

ACTUATION FORCE (gf)	SMART PART NUMBER	PART NUMBER
260±50	MCSLPT4644B4TR	2337234-4
200±50	MCSLPT4644B3TR	2337234-3
160±50	MCSLPT4644B2TR	2337234-2
100±50	MCSLPT4644B1TR	2337234-1

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DWN	GANESH C M	04JUL2018
CHK	ALEXANDER SHARPE	03JUL2018
APVD	ALEXANDER SHARPE	04JUL2018

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 —

WEIGHT

MATERIAL —

FINISH —

TE TE Connectivity Ltd.

NAME

SWITCH, TACTILE, LOW-PROFILE, MICRO-MINI, 4.6 x 4.4 x 0.55, J BEND —

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A3	00779	C-2337234		—

CUSTOMER DRAWING

SCALE NTS   SHEET 1 of 3   REV B

1470-19 (1/15)

REVISIONS

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

NOTES:

1. MATERIALS:
   TERMINAL: COPPER ALLOY, SILVER FINISH
   BASE: THERMOPLASTIC, UL 94V−0, BLACK
   TAPE: POLYIMIDE
   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: 2337234−1 (100gf) = 1,000,000 CYCLES WITH LOAD
                  2337234−2 (160gf) = 1,000,000 CYCLES WITH LOAD
                  2337234−3 (200gf) = 500,000 CYCLES WITH LOAD
                  2337234−4 (260gf) = 500,000 CYCLES WITH LOAD
   TRAVEL: 0.2±0.1 [.008±.004]
   ACTUATION FORCE: 2337234−1 = 100±50gf
                    2337234−2 = 160±50gf
                    2337234−3 = 200±50gf
                    2337234−4 = 260±50gf
   OPERATING TEMPERATURE: −20° TO 70°C
   STORAGE TEMPERATURE: −30° TO 80°C

4. SOLDER CONDITIONS:
   SMT:

MAX 260°
255°
230°
150°

ROOM
TEMPERATURE

120 TO 150

60

5 TO 10

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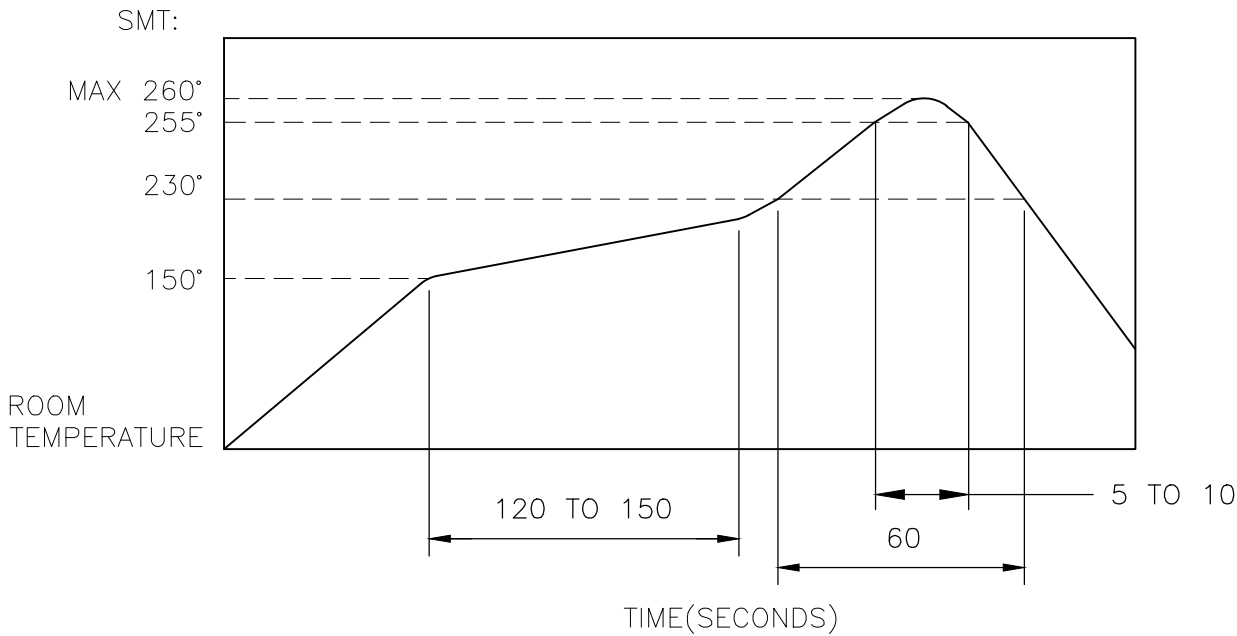
THE CONDITON NOTED ABOVE IS THE TEMPERATURE OF THE COPPER
FOIL ON THE SURFACE OF THE PCB. THERE ARE CASES WHERE THE
TEMPERATURE OF THE BOARD GREATLY DIFFERS FROM THE SURFACE
OF THE SWITCH. DO NOT ALLOW THE SURFACE TEMPERATURE
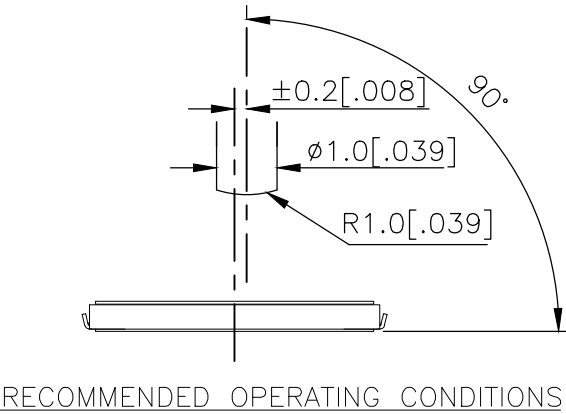OF THE SWITCH TO EXCEED 260°C.

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

±0.2[.008]

90°

ø1.0[.039]

R1.0[.039]

RECOMMENDED OPERATING CONDITIONS

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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 −

PRODUCT SPEC −
APPLICATION SPEC −
WEIGHT

NAME

■TE   TE Connectivity Ltd.

SWITCH, TACTILE, LOW−PROFILE, MICRO−MINI,
4.6 x 4.4 x 0.55, J BEND
−

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C−2337234	−

CUSTOMER DRAWING

| SCALE | NTS | SHEET | 2 OF 3 | REV | B |

REVISIONS

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

THE DIMENSIONS OF CARRIER TAPE AND REEL

ORIENTATION OF PILOT HOLES

CARRIER TAPE

8.0 [.315]
4.0 [.157]
2.0 [.079]
ø1.50 +0.1 -0.0 [.059 +.004 -.000]
1.75 [.069]
5.50 [.217]
12.0±0.30 [.472±.012]

Section B—B
0.30 [.012]
5.05 [.199]
0.80 [.031]

Section A—A
4.70 [.185]

COVER TAPE
CARRIER TAPE

DRAWING DIRECTION

REEL

ø13.0 REF [.512]

Section C—C
1.20 REF [.047]
ø178.0 [7.01] REF
12 [.472] REF

6. PACKAGING:

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

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NAME
SWITCH, TACTILE, LOW-PROFILE, MICRO-MINI,
4.6 x 4.4 x 0.55, J BEND
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CUSTOMER DRAWING

SCALE NTS | SHEET 3 OF 3 | REV B

1470-19 (1/15)