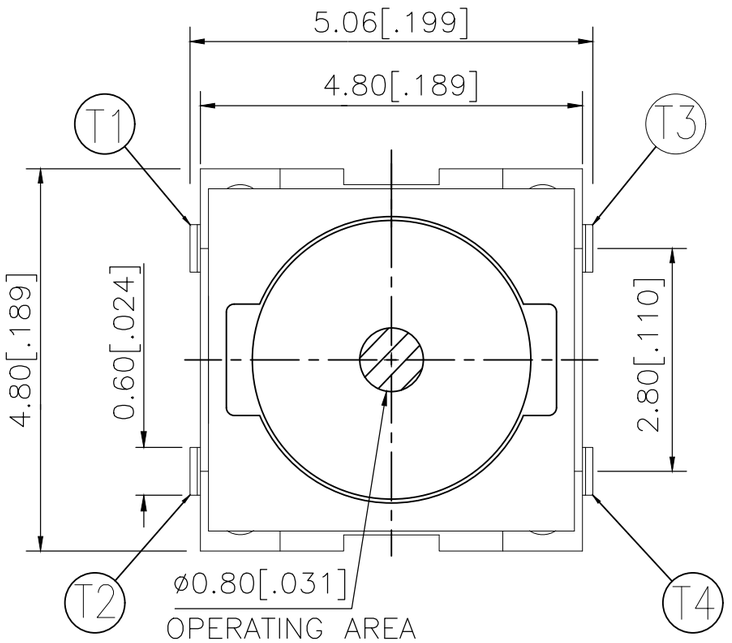
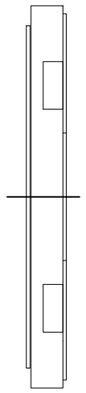
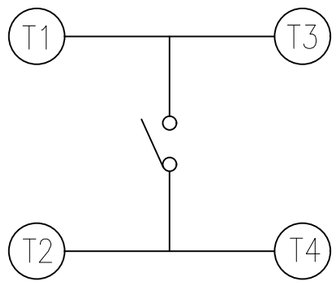
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION –,– .
© COPYRIGHT – TE Connectivity Ltd. ALL RIGHTS RESERVED.

REVISIONS

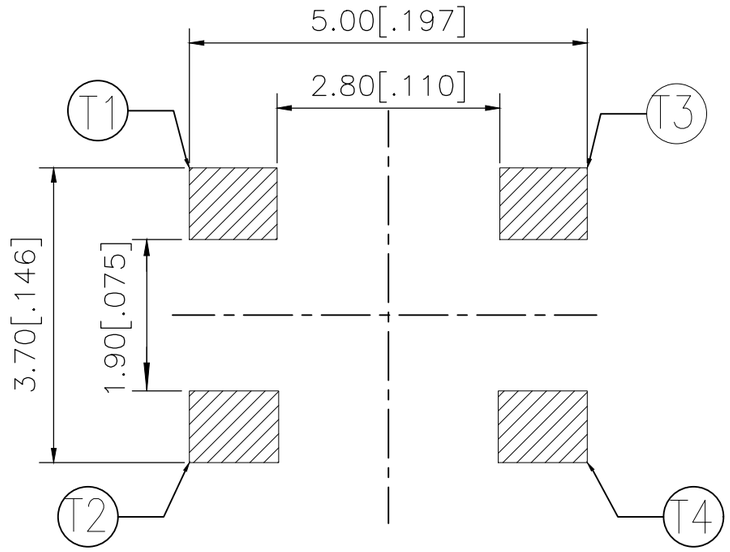
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	REVISED PER ECR-19-004770	10APR2019	SR	DD







CIRCUIT DIAGRAM



P.C.B. LAYOUT

ACTUATION FORCE (gf)	SMART PART NUMBER	PART NUMBER
360±60	MCSLPT4848A5DTR	2337232-5
260±50	MCSLPT4848A4DTR	2337232-4
200±50	MCSLPT4848A3DTR	2337232-3
160±50	MCSLPT4848A2DTR	2337232-2
100±50	MCSLPT4848A1DTR	2337232-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

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

MATERIAL –

FINISH –

DWN GANESH C M 04JUL2018
CHK ALEXANDER SHARPE 04JUL2018
APVD ALEXANDER SHARPE 04JUL2018
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT

TE Connectivity Ltd.

NAME
SWITCH, TACTILE, LOW-PROFILE, MICRO-MINI,
4.8 x 4.8 x 0.55, J BEND, 2.80 PITCH
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2337232	—

CUSTOMER DRAWING | SCALE NTS | SHEET 1 OF 3 | REV B

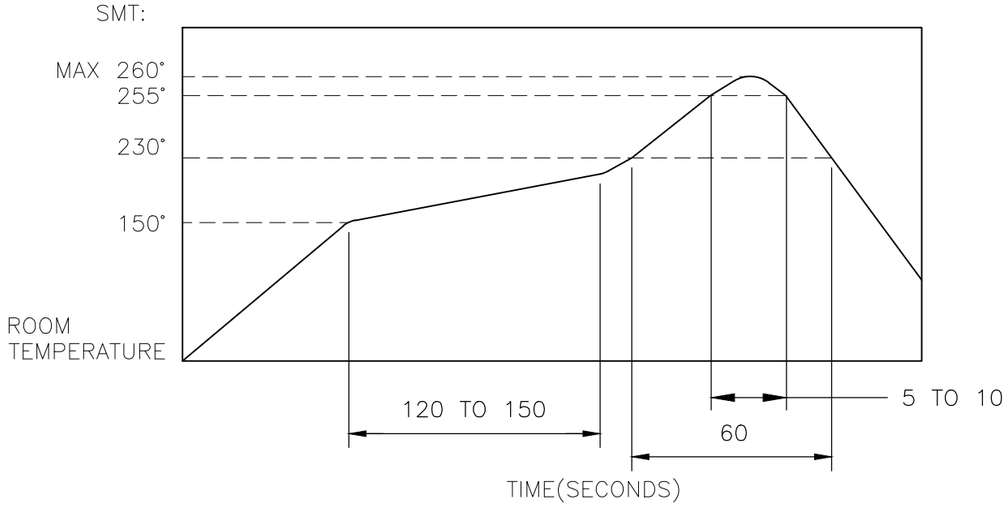
Downloaded from Arrow.com.

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION –,– .
© COPYRIGHT – TE Connectivity Ltd. ALL RIGHTS RESERVED.

NOTES:

1. MATERIALS:
   TERMINAL: COPPER ALLOY, SILVER OVER NICKEL FINISH
   BASE: THERMOPLASTIC, BLACK
   TAPE: POLYIMIDE
   CONTACT: STAINLESS STEEL, SILVER OVER NICKEL 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: 100 V AC, 1 MINUTE
   OPERATING LIFE: 2337232–1 (100gf) = 1,000,000 CYCLES WITH LOAD
   2337232–2 (160gf) = 1,000,000 CYCLES WITH LOAD
   2337232–3 (200gf) = 500,000 CYCLES WITH LOAD
   2337232–4 (260gf) = 500,000 CYCLES WITH LOAD
   2337232–5 (360gf) = 200,000 CYCLES WITH LOAD
   TRAVEL: 0.2±0.1 [.008±.004]
   ACTUATION FORCE: 2337232–1 = 100±50gf
   2337232–2 = 160±50gf
   2337232–3 = 200±50gf
   2337232–4 = 260±50gf
   2337232–5 = 360±60gf
   OPERATING TEMPERATURE: –30° TO 80°C
   STORAGE TEMPERATURE: –40° TO 85°C
4. SOLDER CONDITIONS :

SMT:



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.

REVISIONS

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

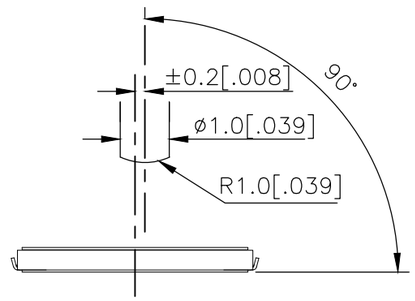
MANUAL SOLDERING:

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.

DIMENSIONS: mm [INCHES]

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

MATERIAL: –
FINISH: –

DWN GANESH C M 04JUL2018
CHK ALEXANDER SHARPE 04JUL2018
APVD ALEXANDER SHARPE 04JUL2018
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT

TE Connectivity Ltd.

NAME: SWITCH, TACTILE, LOW–PROFILE, MICRO–MINI, 4.8 x 4.8 x 0.55, J BEND, 2.80 PITCH
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C–2337232	—

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

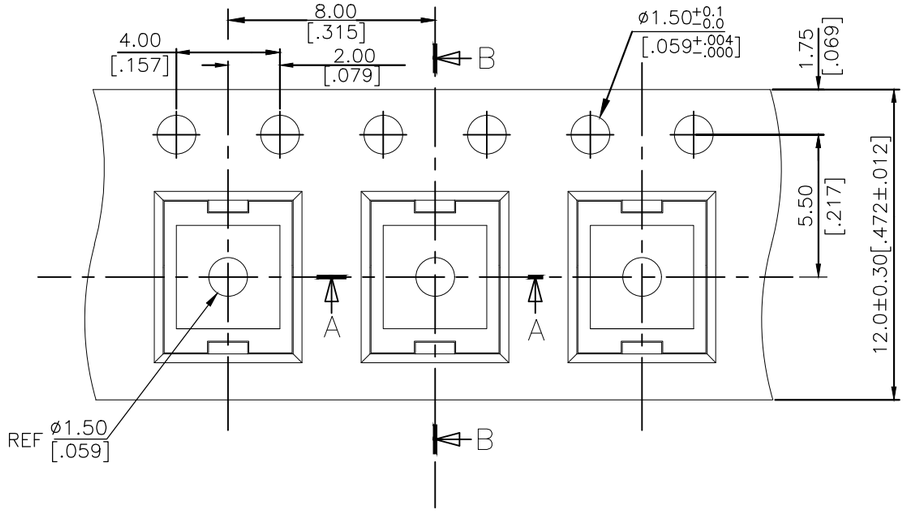
Downloaded from Arrow.com.

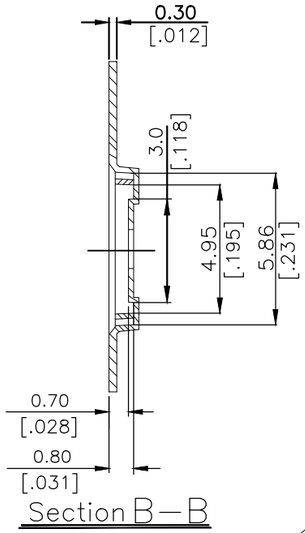
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION –,– .
© COPYRIGHT – TE Connectivity Ltd. ALL RIGHTS RESERVED.

REVISIONS

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

THE DIMENSIONS OF CARRIER TAPE AND REEL

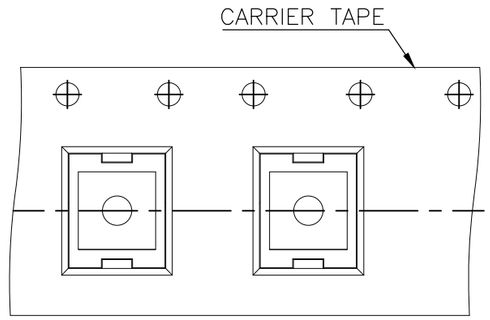


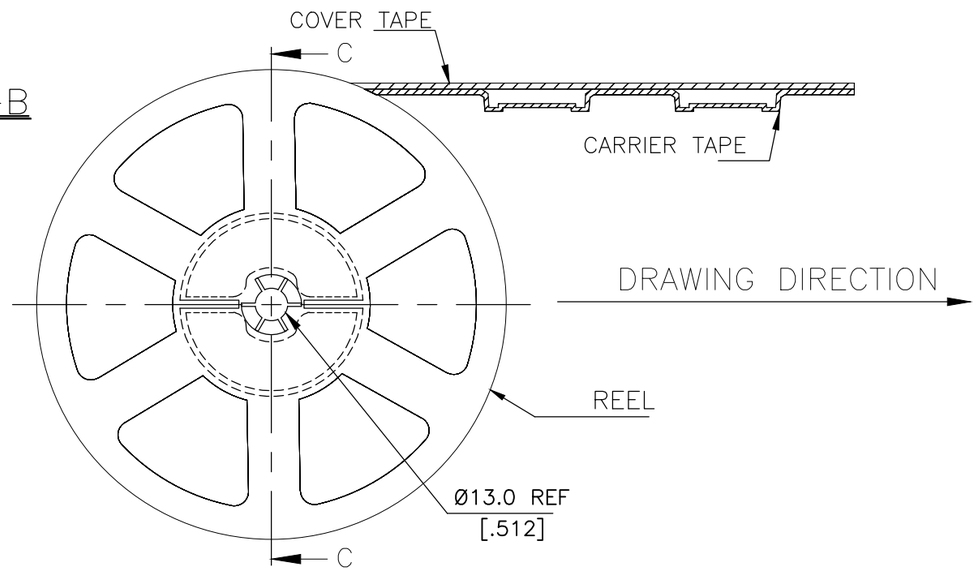


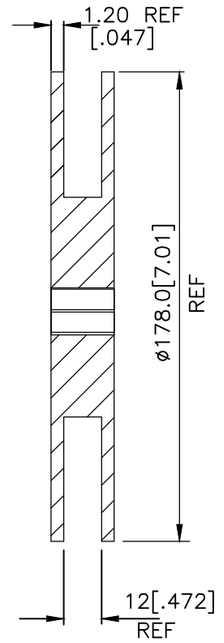
Section B–B

Section A–A

ORIENTATION OF PILOT HOLES







Section C–C

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.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL: –

FINISH: –

DWN	GANESH C M	04JUL2018
CHK	ALEXANDER SHARPE	04JUL2018
APVD	ALEXANDER SHARPE	04JUL2018
PRODUCT SPEC	—	
APPLICATION SPEC	—	
WEIGHT		

TE Connectivity Ltd.

NAME: SWITCH, TACTILE, LOW–PROFILE, MICRO–MINI, 4.8 x 4.8 x 0.55, J BEND, 2.80 PITCH
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2337232	—

CUSTOMER DRAWING | SCALE NTS | SHEET 3 OF 3 | REV B

Downloaded from Arrow.com.