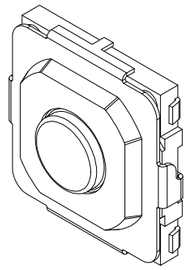
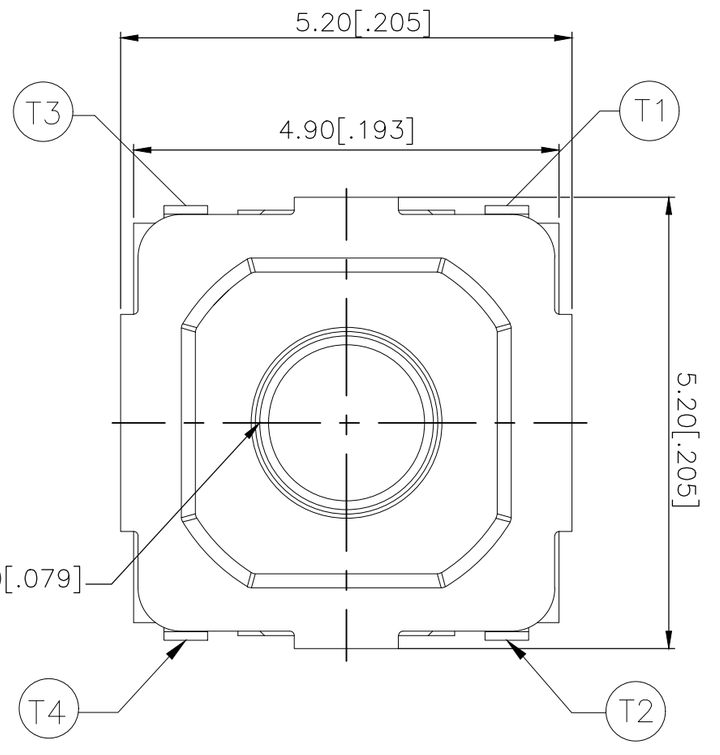
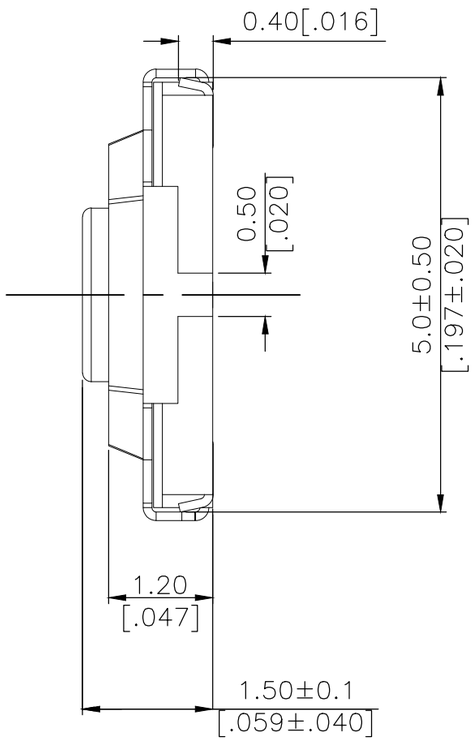
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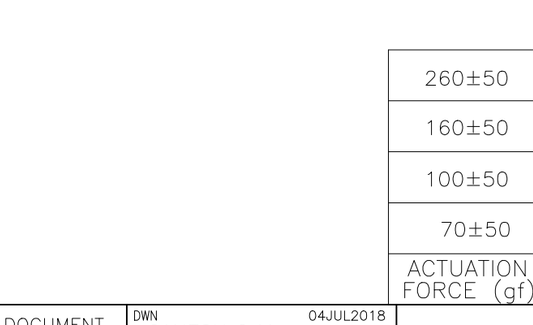
REVISIONS

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

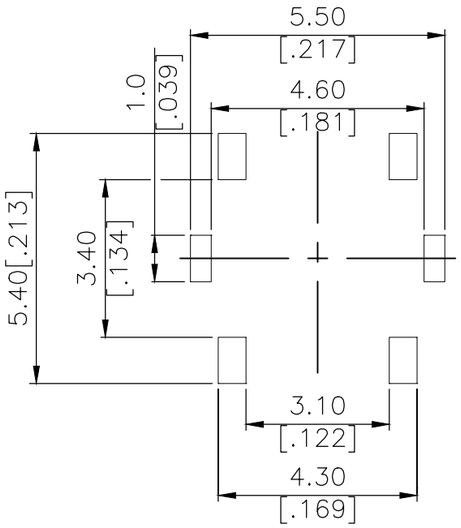




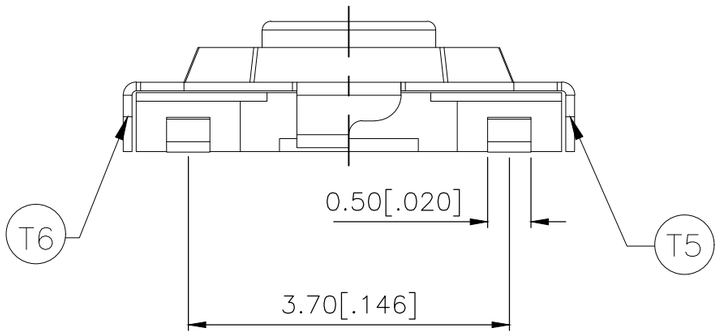




CIRCUIT DIAGRAM




P.C.B LAYOUT




| ACTUATION FORCE (gf) | SMART PART NUMBER | PART NUMBER |
|---|---|---|
| 260±50 | MSLPT5252BL4MTR | 2337243-4 |
| 160±50 | MSLPT5252BL3MTR | 2337243-3 |
| 100±50 | MSLPT5252BL2MTR | 2337243-2 |
| 70±50 | MSLPT5252BL1MTR | 2337243-1 |

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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 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, MINI,
5.2 x 5.2 x 1.5, J BEND

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A3 | 00779 | C-2337243 | — |

CUSTOMER DRAWING

| SCALE | SHEET | REV |
|---|---|---|
| NTS | 1 OF 3 | B |



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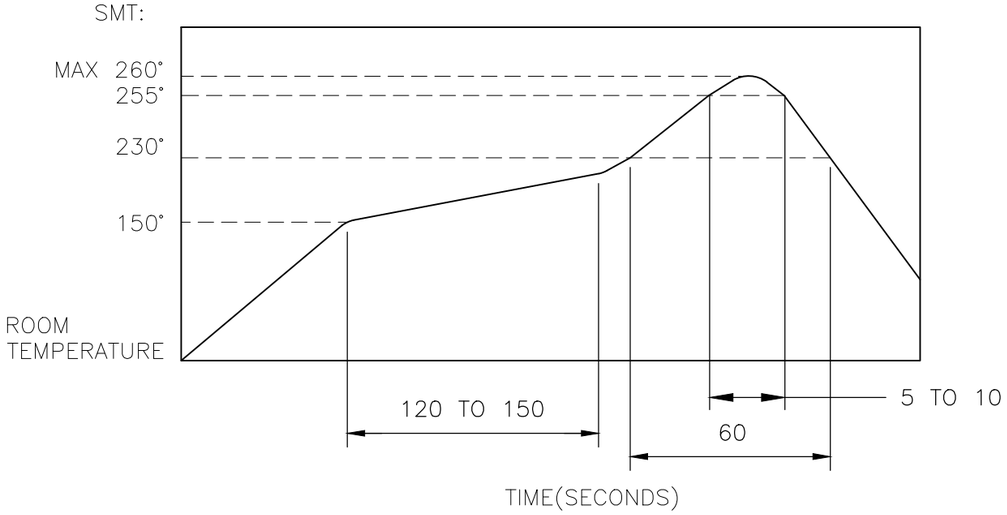
NOTES:

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: 250 V AC, 1 MINUTE
   OPERATING LIFE: 2337243–1 (70gf) = 1,000,000 CYCLES WITH LOAD
   2337243–2 (100gf) = 1,000,000 CYCLES WITH LOAD
   2337243–3 (160gf) = 1,000,000 CYCLES WITH LOAD
   2337243–4 (260gf) = 200,000 CYCLES WITH LOAD
   TRAVEL: $0.25^{+0.1}_{-0.2}$ [$.010^{+.004}_{-.008}$]
   ACTUATION FORCE: 2337243–1 = 70±50 gf
   2337243–2 = 100±50 gf
   2337243–3 = 160±50 gf
   2337243–4 = 260±50 gf
   OPERATING TEMPERATURE: –25° TO 70°C
   STORAGE TEMPERATURE: –30° TO 80°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 | – | — | — |

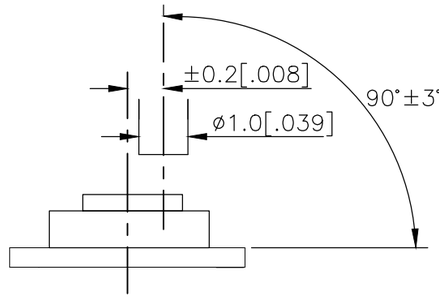
MANUAL SOLDERING

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

PRECAUTIONS IN HANDLING

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




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DIMENSIONS: mm [INCHES]

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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, MINI, 5.2 x 5.2 x 1.5, J BEND
–

| SIZE | CAGE CODE | DRAWING NO | RESTRICTED TO |
|---|---|---|---|
| A3 | 00779 | C–2337243 | — |

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



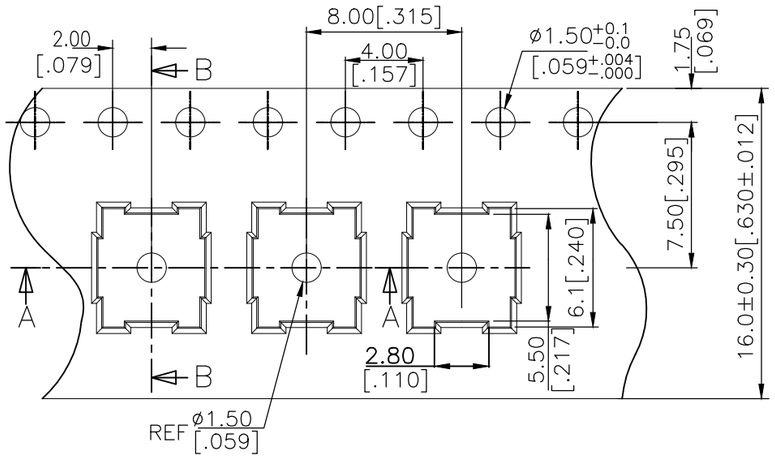
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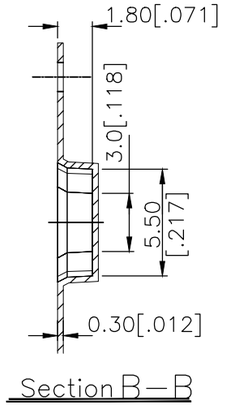
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REVISIONS

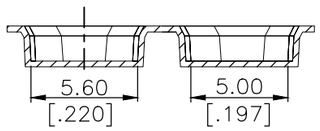
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|---|---|---|---|---|
| | – | SEE SHEET 1 | – | — | — |

## THE DIMENSIONS OF CARRIER TAPE AND REEL:



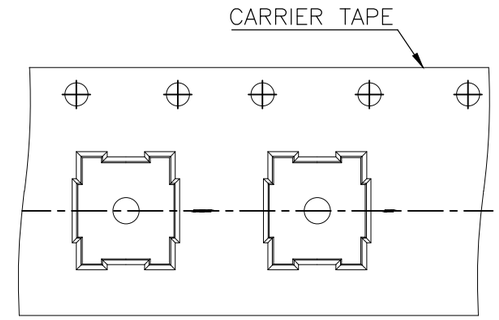



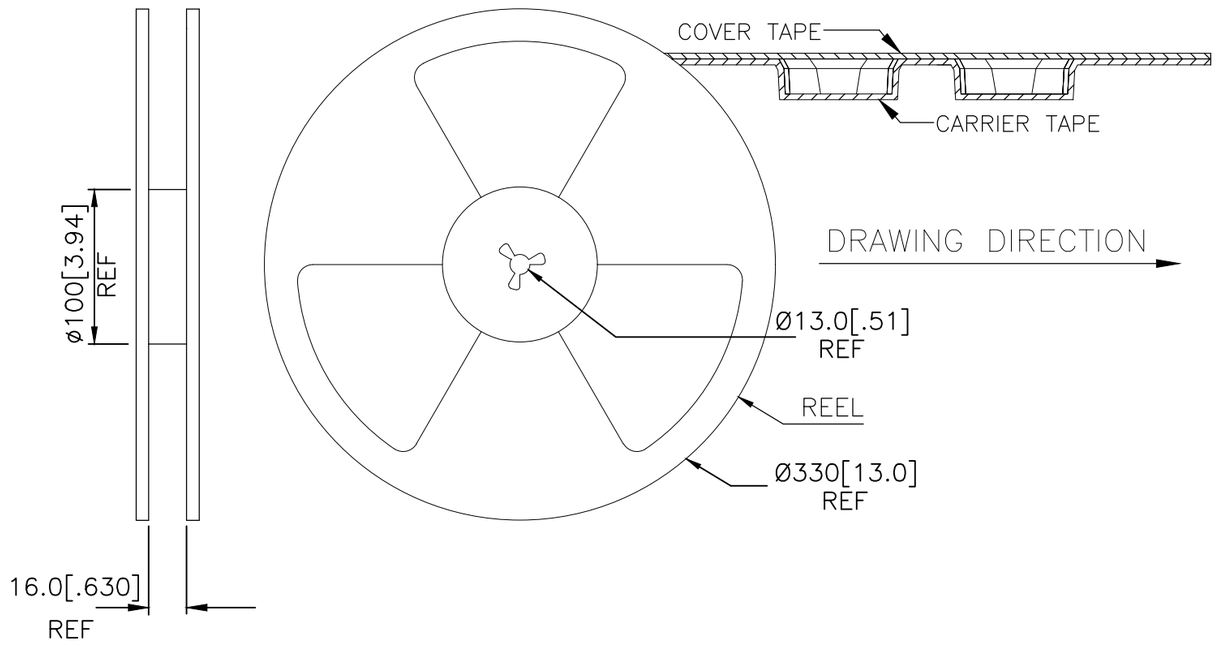

Section B—B




Section A—A

## ORIENTATION OF PILOT HOLES




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.

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DIMENSIONS: mm [INCHES]

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

MATERIAL –

FINISH –

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



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