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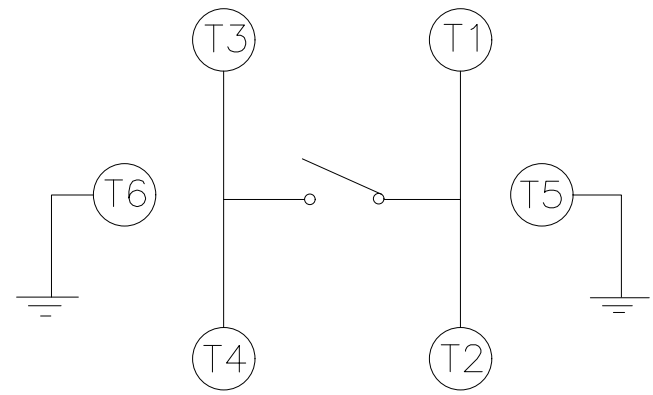
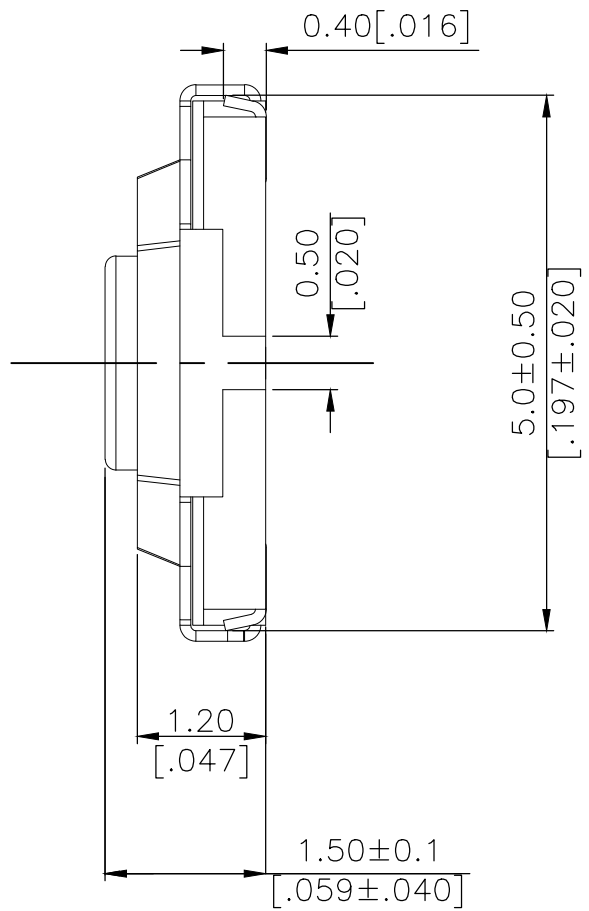
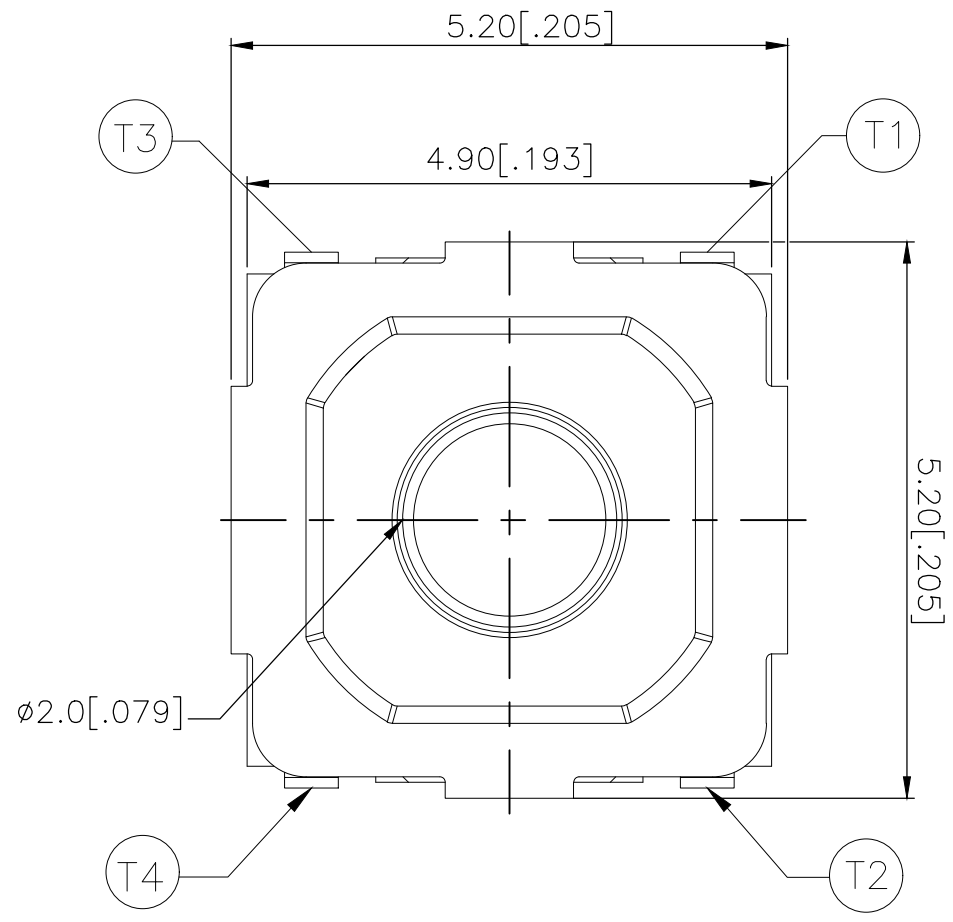
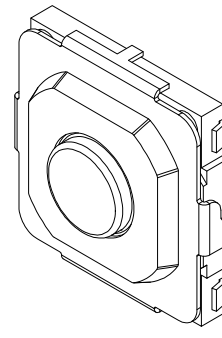
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REVISIONS

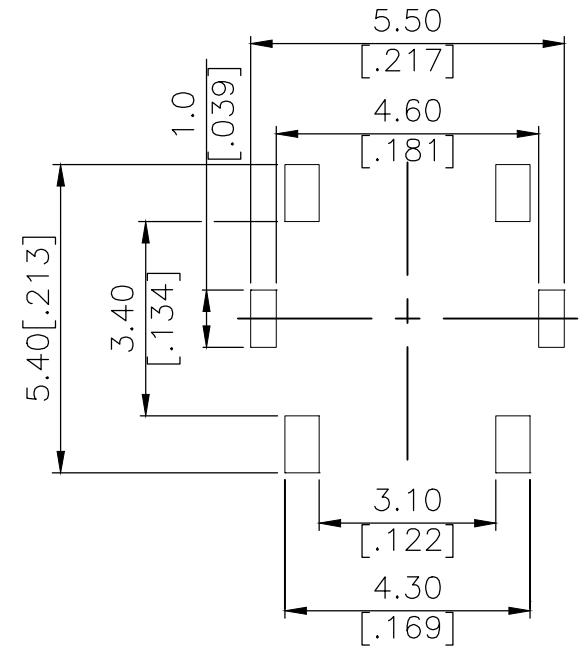
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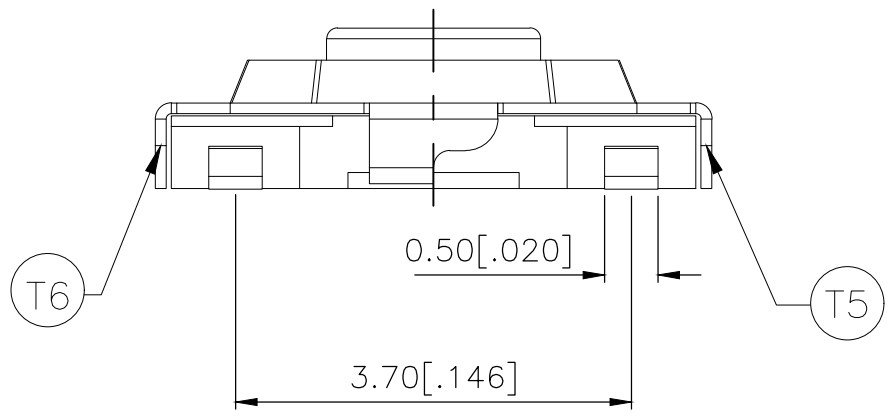
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|---------------------------|-----------|-----|------|
| | B | REVISED PER ECR-19-004770 | 10APR2019 | SR | DD |



CIRCUIT DIAGRAM



P.C.B. LAYOUT



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

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 | - | - |
| CUSTOMER DRAWING | | |

STE 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 | - |

SCALE: NTS SHEET: 1 of 3 REV: B

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

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:

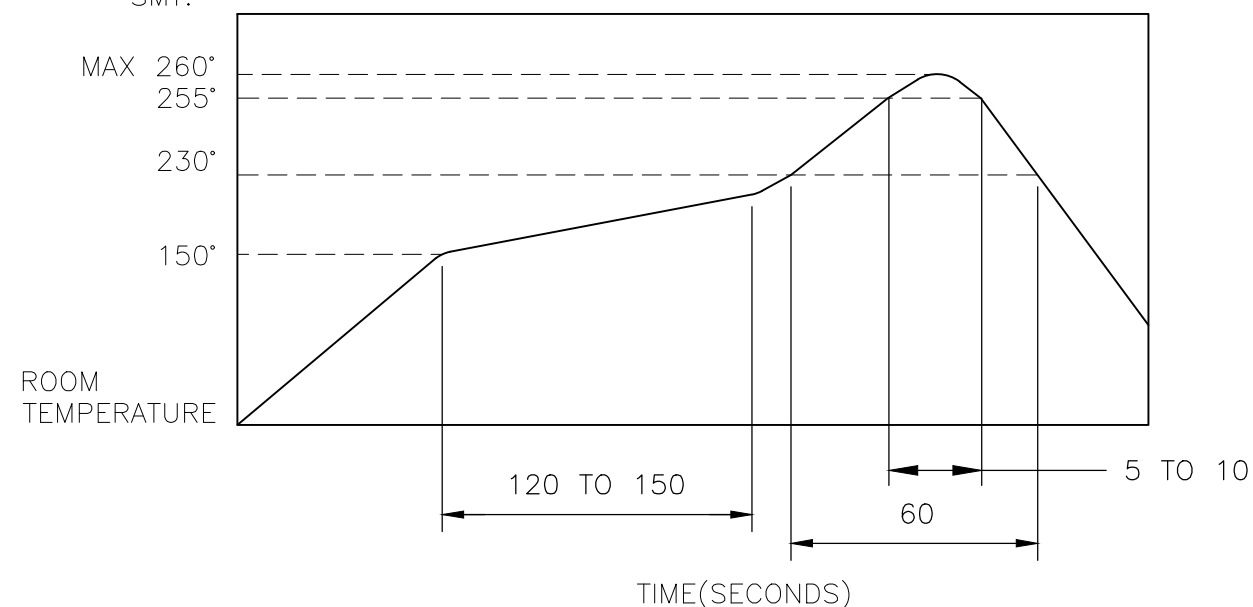
ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU
 DIRECTIVE 2002/95/EC OF 27JAN2003(RoHS)

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:



MANUAL SOLDERING

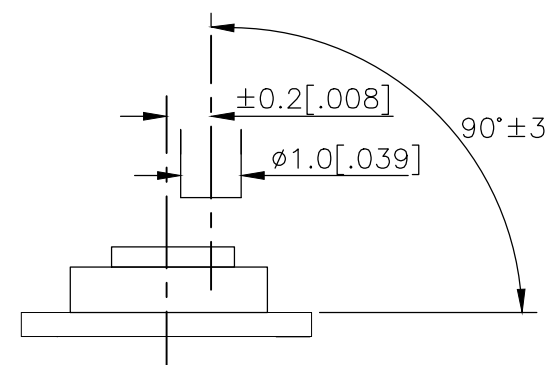
| | |
|---------------------------|-------------------|
| SOLDERING TEMPERATURE | 350°C MAXIMUM |
| CONTINUOUS SOLDERING TIME | 5 SECONDS MAXIMUM |

PRECAUTIONS IN HANDLING

- CARE SHOULD BE EXERCISED SO THAT FLUX FROM THE TOP SURFACE OF THE PRINTED CIRCUIT BOARD DOES NOT ADHERE TO THE SWITCH.
- DO NOT WASH THE SWITCH

5. OPERATING PRECAUTIONS:

- DO NOT ACTUATE THE SWITCH WITH EXCESSIVE FORCE
- 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.
- ALIGN THE PLUNGER WITH THE SWITCH TO INSURE PROPER OPERATION



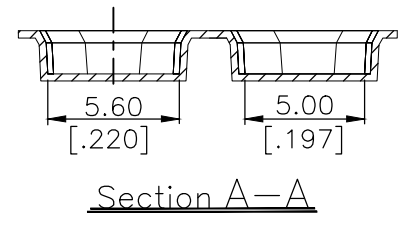
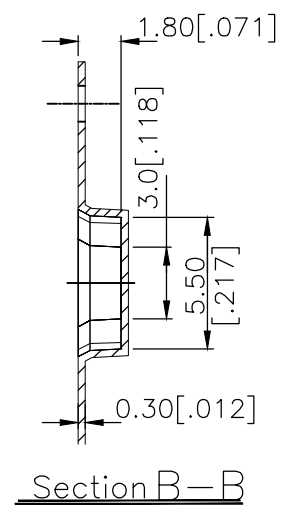
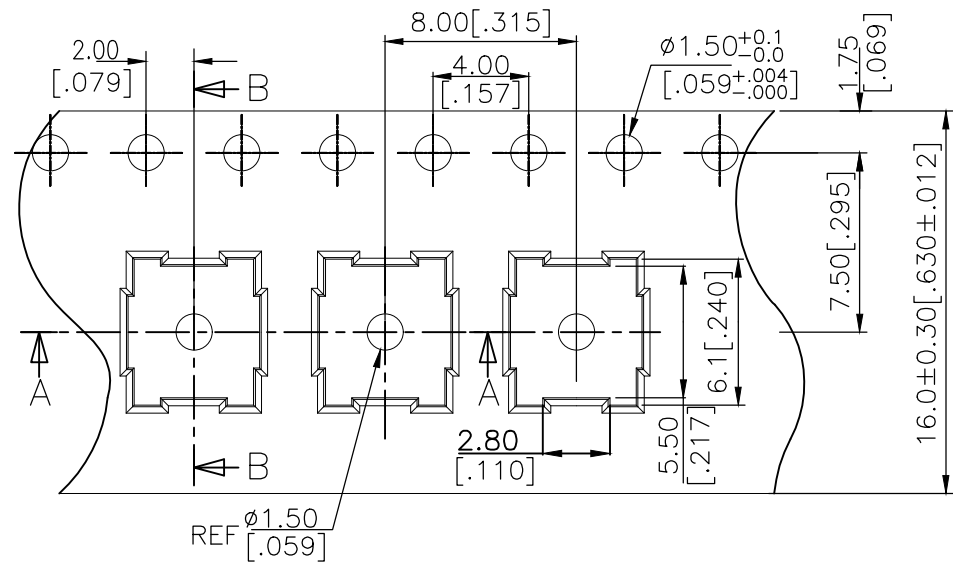
THE CONDITON NOTED ABOVE IS THE TEMPERATURE OF THE COPPER FOIL ON THE SURFACE OF THE PCB. THERE ARE CASES WHERE THE TEMPERATURE OF THE BOARD GREATLY DIFFERS FROM THE SURFACE OF THE SWITCH. DO NOT ALLOW THE SURFACE TEMPERATURE OF THE SWITCH TO EXCEED 260°C.

| | | | | | | | | | | | | | | | | | |
|---|--------------|---------------------------------|--|-----------------|----------------------|-------|--------------|-------|-----|-------|-----|--------|-----|----------------|-----------------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN GANESH C M 04JUL2018 | TE Connectivity Ltd. | | | | | | | | | | | | | | |
| DIMENSIONS: mm [INCHES] | | CHK ALEXANDER SHARPE 04JUL2018 | | | | | | | | | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD ALEXANDER SHARPE 04JUL2018 | NAME SWITCH, TACTILE, LOW-PROFILE, MINI, 5.2 x 5.2 x 1.5, J BEND | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>0 PLC</td><td>± -</td></tr> <tr><td>1 PLC</td><td>± -</td></tr> <tr><td>2 PLC</td><td>± 0.2 [.008]</td></tr> <tr><td>3 PLC</td><td>± -</td></tr> <tr><td>4 PLC</td><td>± -</td></tr> <tr><td>ANGLES</td><td>± -</td></tr> </table> | | 0 PLC | ± - | 1 PLC | ± - | 2 PLC | ± 0.2 [.008] | 3 PLC | ± - | 4 PLC | ± - | ANGLES | ± - | PRODUCT SPEC - | RESTRICTED TO - | | |
| 0 PLC | ± - | | | | | | | | | | | | | | | | |
| 1 PLC | ± - | | | | | | | | | | | | | | | | |
| 2 PLC | ± 0.2 [.008] | | | | | | | | | | | | | | | | |
| 3 PLC | ± - | | | | | | | | | | | | | | | | |
| 4 PLC | ± - | | | | | | | | | | | | | | | | |
| ANGLES | ± - | | | | | | | | | | | | | | | | |
| MATERIAL - | | APPLICATION SPEC - | SIZE A3 | CAGE CODE 00779 | DRAWING NO C-2337243 | | | | | | | | | | | | |
| FINISH - | | WEIGHT - | SCALE NTS | | SHEET 2 OF 3 | | | | | | | | | | | | |
| CUSTOMER DRAWING | | | REV B | | | | | | | | | | | | | | |

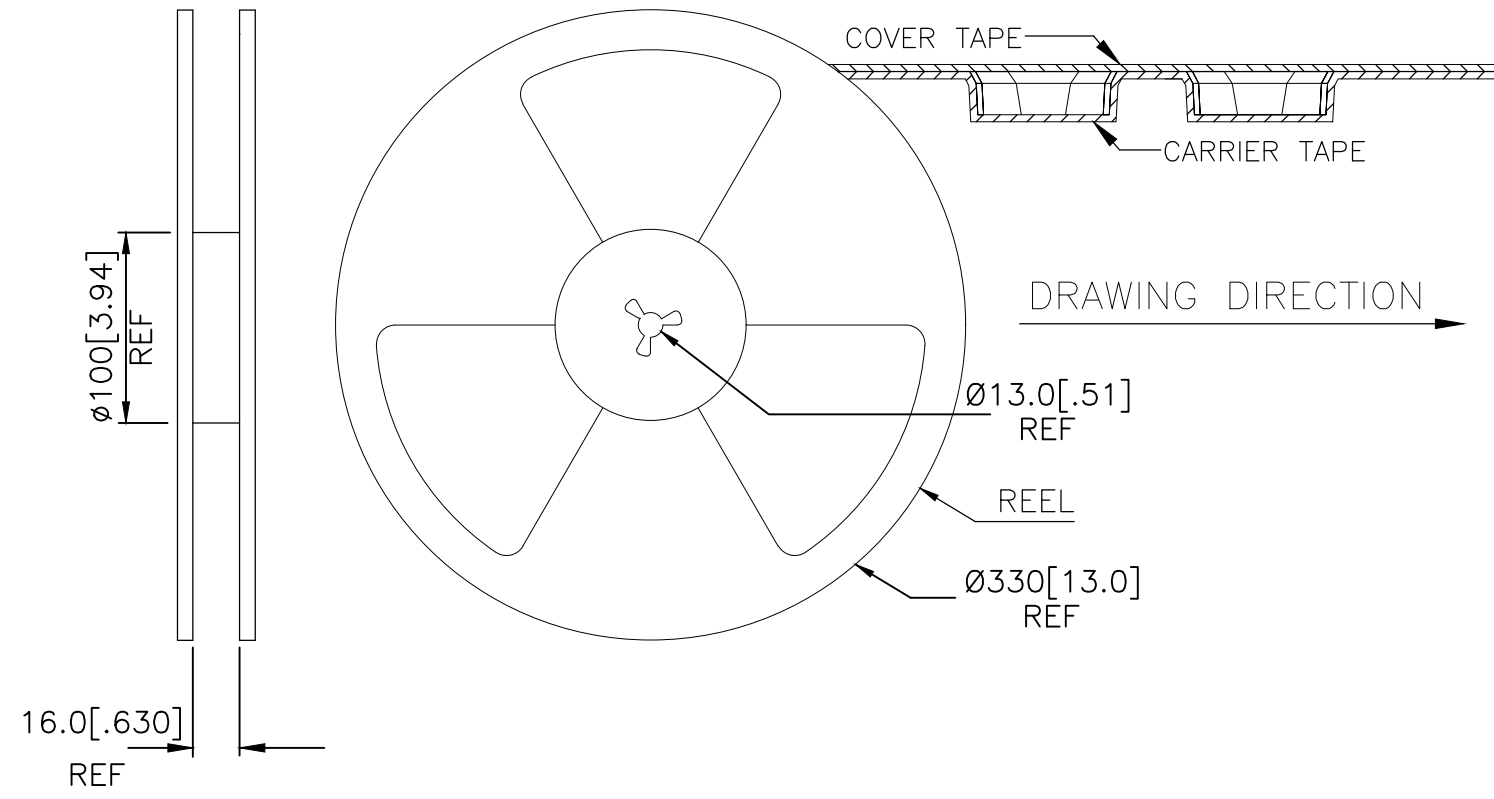
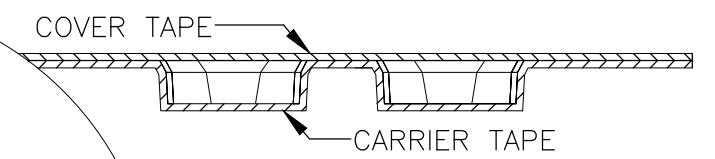
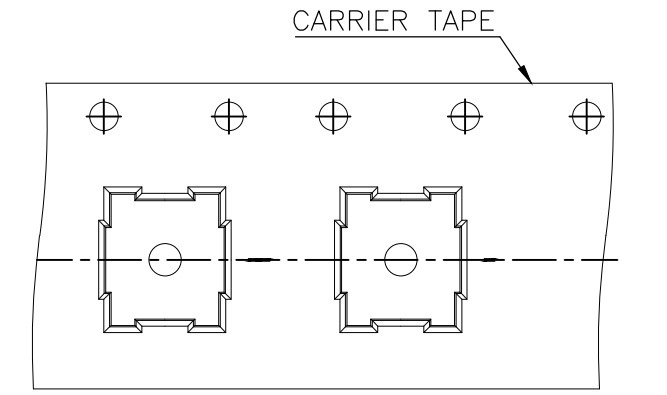
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| REVISIONS | | | | | |
|-----------|-----|-------------|------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| - | - | SEE SHEET 1 | - | - | - |

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.

| | | | | | | | |
|--|--|---------------------------------|----------------------|-----------|------------|---|-------|
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| DIMENSIONS: mm [INCHES] | | CHK ALEXANDER SHARPE 04JUL2018 | | | | NAME: SWITCH, TACTILE, LOW-PROFILE, MINI, 5.2 x 5.2 x 1.5, J BEND | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD ALEXANDER SHARPE 04JUL2018 | SIZE | CAGE CODE | DRAWING NO | | |
| 0 PLC ± - 1 PLC ± - 2 PLC ± 0.2 [.008] 3 PLC ± - 4 PLC ± - ANGLES ± - | | PRODUCT SPEC | A3 | 00779 | C-2337243 | - | |
| MATERIAL | | FINISH | CUSTOMER DRAWING | | SCALE NTS | SHEET 3 OF 3 | REV B |

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