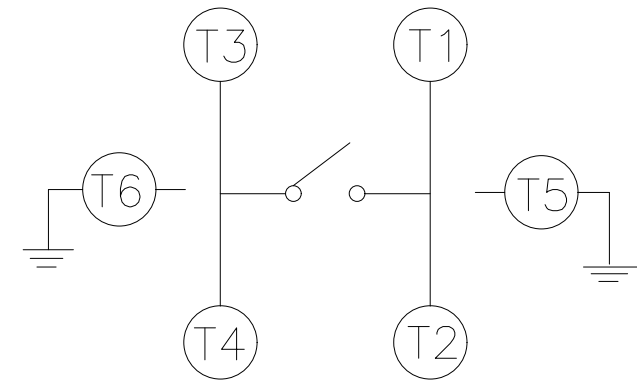
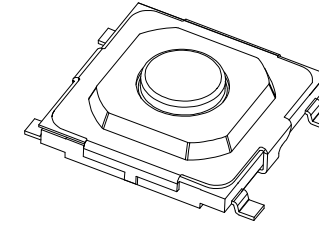
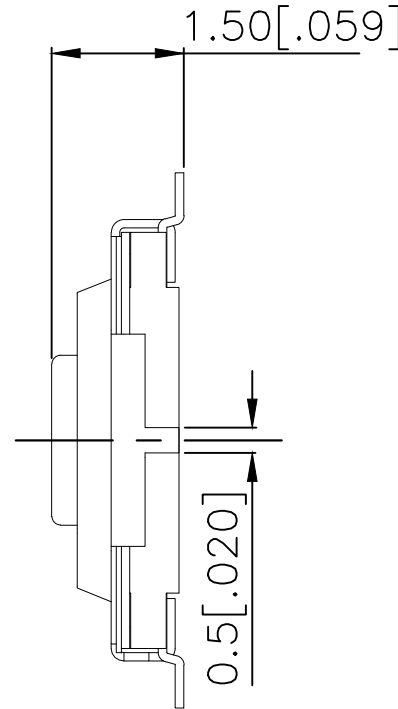
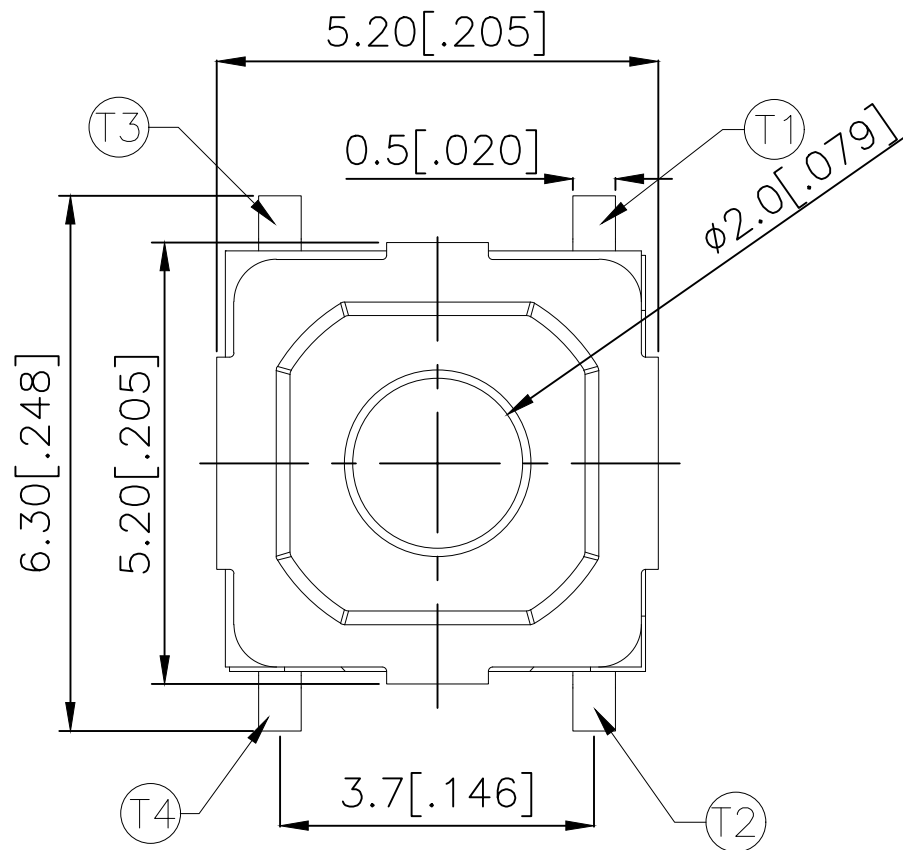
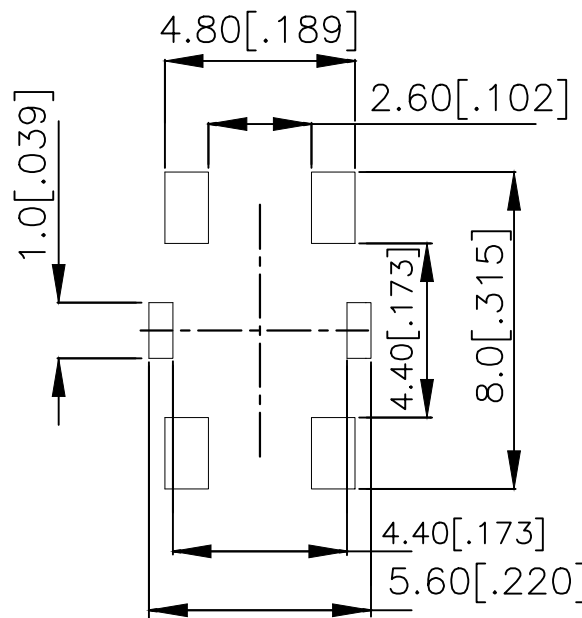
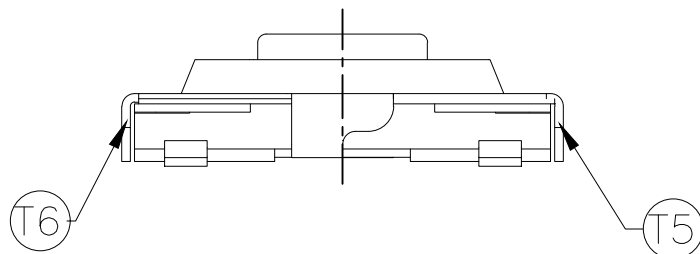


| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|           | B   | REVISED PER ECR-19-004770 | 10APR2019 | SR  | DD   |


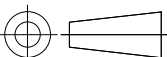


CIRCUIT DIAGRAM



P.C.B LAYOUT

|                      |                   |             |
|----------------------|-------------------|-------------|
| 260±50               | MSLPT5252BG4MTR   | 2337237-4   |
| 160±50               | MSLPT5252BG3MTR   | 2337237-3   |
| 100±50               | MSLPT5252BG2MTR   | 2337237-2   |
| 70±50                | MSLPT5252BG1MTR   | 2337237-1   |
| ACTUATION FORCE (gf) | SMART PART NUMBER | PART NUMBER |

|   |  |  |  |   |  |                         |
|---|--|--|--|---|--|-------------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.  |  | DWN<br>GANESH C M<br>04JUL2018   |  | <div></div> TE Connectivity Ltd. |  |                         |
|   |  | CHK<br>ALEXANDER SHARPE<br>04JUL2018   |  |   |  |                         |
| DIMENSIONS:<br>mm [INCHES]  |  | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:  |  | NAME<br><br>SWITCH, TACTILE, LOW-PROFILE, MINI,<br>5.2 x 5.2 x 1.5, GULLWING<br><br>—                                 |  |                         |
|  |  | 0 PLC ± —<br>1 PLC ± —<br>2 PLC ± 0.2 [.008]<br>3 PLC ± —<br>4 PLC ± —<br>ANGLES ± — |  |   |  |                         |
| MATERIAL<br><br>—   |  | FINISH<br><br>—  |  | PRODUCT SPEC<br><br>—   |  | SIZE<br>A3              |
|   |  |  |  | APPLICATION SPEC<br><br>—   |  |                         |
|   |  |  |  | WEIGHT<br><br>—   |  | DRAWING NO<br>C-2337237 |
|   |  |  |  | CUSTOMER DRAWING  |  |                         |
|   |  |  |  |   |  | SHEET<br>1 of 3         |
|   |  |  |  |   |  |                         |

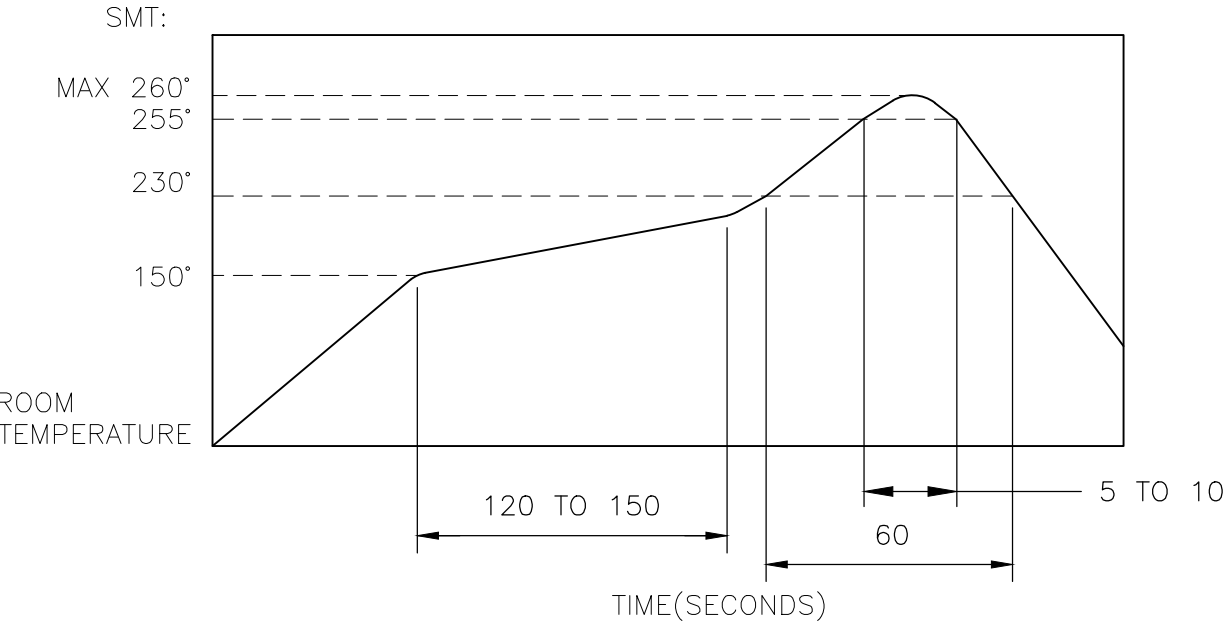
|                                    |                                     |
|------------------------------------|-------------------------------------|
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- NOTES:
1. MATERIALS:
- TERMINAL: COPPER ALLOY, SILVER OVER NICKEL FINISH  
BASE: THERMOPLASTIC, 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: 250V AC, 1 MINUTE  
OPERATING LIFE: 2337237-1 (70gf) = 1,000,000 CYCLES WITH LOAD  
2337237-2 (100gf) = 1,000,000 CYCLES WITH LOAD  
2337237-3 (160gf) = 1,000,000 CYCLES WITH LOAD  
2337237-4 (260gf) = 200,000 CYCLES WITH LOAD
- TRAVEL: 0.25<sup>+0.1</sup><sub>-0.2</sub> [.010<sup>+0.004</sup><sub>-0.008</sub>]
- ACTUATION FORCE: 2337237-1 = 70±50gf  
2337237-2 = 100±50gf  
2337237-3 = 160±50gf  
2337237-4 = 260±50gf
- OPERATING TEMPERATURE: -25° TO 70°C  
STORAGE TEMPERATURE: -30° TO 80°C

4. SOLDER CONDITIONS :



THE CONDITON NOTED ABOVE IS THE TEMPERATURE OF THE COPPER FOIL ON THESURFACE 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:

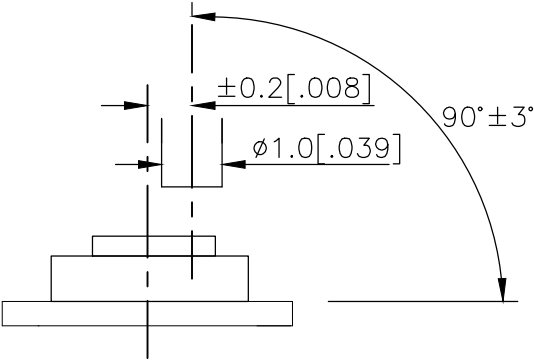
|                           |                   |
|---------------------------|-------------------|
| SOLDERING TEMPERATURE     | 350°C MAXIMUM     |
| CONTINUOUS SOLDERING TIME | 5 SECONDS MAXIMUM |

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



|  |  |                                       |  |                    |                         |
|--|--|---------------------------------------|--|--------------------|-------------------------|
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|  |  | CHK<br>ALEXANDER SHARPE<br>04JUL2018  |  |                    |                         |
| DIMENSIONS:<br>mm [INCHES]             | TOLERANCES UNLESS OTHERWISE SPECIFIED:   | APVD<br>ALEXANDER SHARPE<br>04JUL2018 | NAME<br>SWITCH, TACTILE, LOW-PROFILE, MINI,<br>5.2 x 5.2 x 1.5, GULLWING |                    |                         |
|  |  | PRODUCT SPEC                          |  |                    |                         |
|  | 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.2 [.008]<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - | APPLICATION SPEC                      |  |                    |                         |
|  |  |                                       | SIZE<br>A3   | CAGE CODE<br>00779 | DRAWING NO<br>C-2337237 |
| MATERIAL<br>-                          | FINISH<br>-  | WEIGHT                                | RESTRICTED TO<br>-   |                    |                         |
| CUSTOMER DRAWING                       |  | SCALE<br>NTS                          | SHEET<br>2 OF 3  | REV<br>B           |                         |



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