

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION -,- . ALL RIGHTS RESERVED. (C) COPYRIGHT -TE Connectivity Ltd. 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 (INITIÁL) 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: $0.25^{+0.1}_{-0.2}$ [.010+.004] ACTUATION FORCE: $2337237-1 = 70\pm50$ gf $2337237-2 = 100\pm50qf$ $2337237 - 3 = 160 \pm 50gf$ $2337237-4 = 260\pm50qf$ OPERATING TEMPERATURE: -25° TO 70°C STORAGE TEMPERATURE: -30° TO 80°C 4. SOLDER CONDITIONS: SMT: MAX 260° 255° 230° 150° ROOM TEMPERATURE - 5 TO 10 120 TO 150 60 TIME(SECONDS) 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:

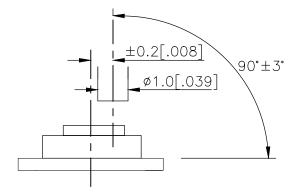
SOLDERING TEMPERATURE		350°C MAXIMUM	
CONTINUOUS	SOLDERING TII	ME	5 SECONDS MAXIMUM

HANDLING PRECAUTIONS:

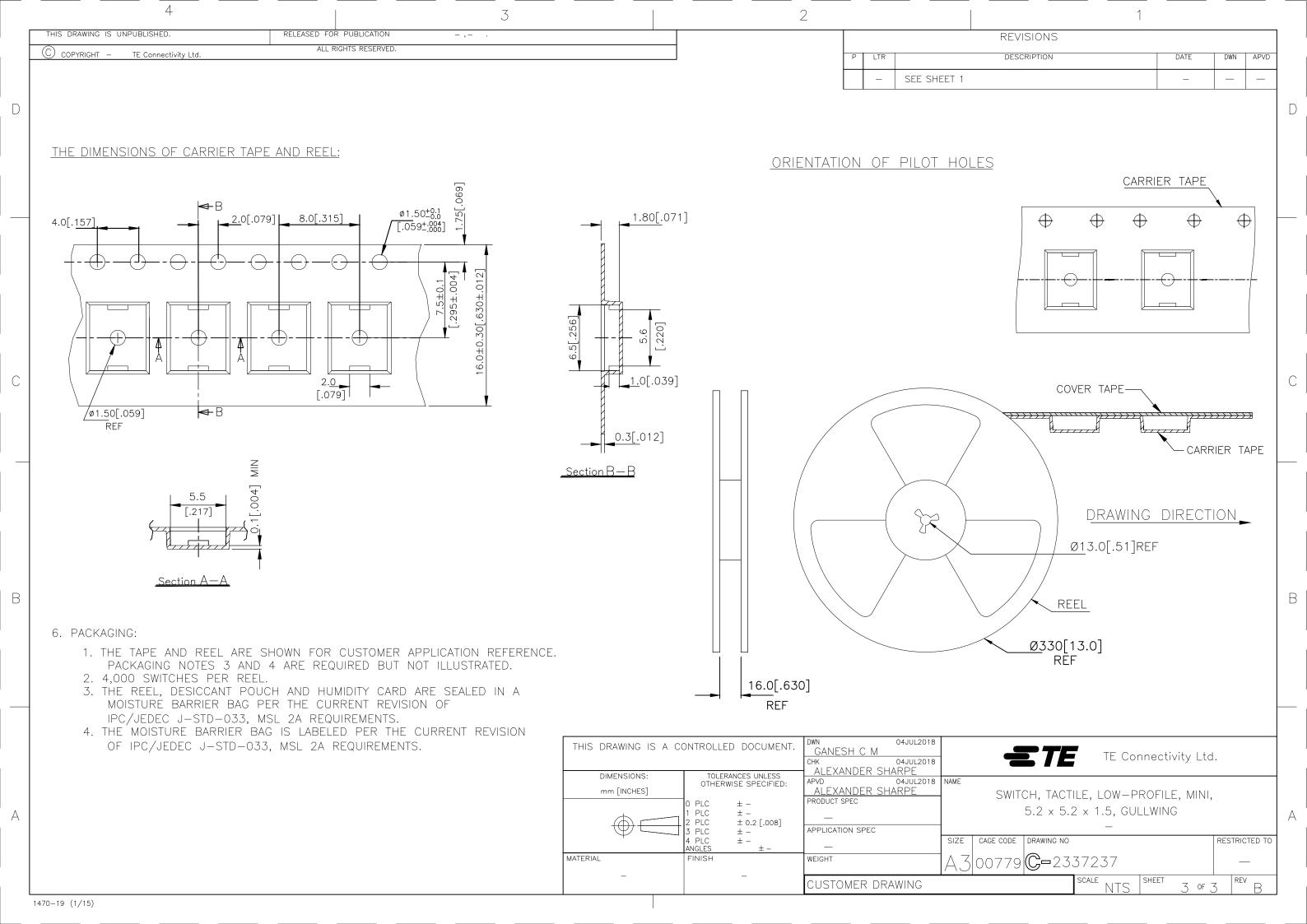
- 1. CARE SHOULD BE EXERCISED SO THAT FLUX FROM THE TOP SURFACE OF THE PRINTED CIRCUIT BOARD DOES NOT ADHERE TO THE SWITCH.
- 2. DO NOT WASH THE SWITCH

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



04JUL2018 THIS DRAWING IS A CONTROLLED DOCUMENT. GANESH C M **STE** TE Connectivity Ltd. 04JUL2018 ALEXANDER SHARPE TOLERANCES UNLESS OTHERWISE SPECIFIED: DIMENSIONS: APVD 04JUL2018 NAME ALEXANDER SHARPE mm [INCHES] SWITCH, TACTILE, LOW-PROFILE, MINI, $5.2 \times 5.2 \times 1.5$, GULLWING ± 0.2 [.008] APPLICATION SPEC SIZE CAGE CODE DRAWING NO RESTRICTED TO ANGLES MATERIAL FINISH WEIGHT A.3|00779|**G**-2337237 SHEET CUSTOMER DRAWING NTS 2 of 3



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