

SPECIFICATIONS

MATERIALS

CASE: THERMOPLASTIC, UL94V-0, BLACK  
ACTUATOR: THERMOPLASTIC, UL94V-0, BLACK  
COVER: NICKEL SILVER  
SEAL: SILICON RUBBER, BLACK  
CONTACT: STAINLESS STEEL, PLATING-SILVER  
TERMINAL: BRASS, PLATING-SILVER/NICKEL  
BRACKET: CARBON STEEL, PLATING-TIN/NICKEL

ELECTRICAL

MAX CONTACT RATING: 50MILLIAMPS@24V DC  
MIN CONTACT RATING: 10MICROAMPS@1V DC  
INITIAL CONTACT RESISTANCE: 100 MILLIOHMS MAX, PER EIA RS-448, METHOD 1  
INSULATION RESITANCE: 100 MEGOHMS MIN @ 100VDC PER EIA RS-186-13E  
DIELECTRIC STRENGTH: 500 VAC 50/60 Hz FOR 1 MINUTE PER EIA RS-186-4E  
CONTACT BOUNCE: 10 MILLISECOND MAX PER EIA-448-18, METHOD 15

MECHANICAL

ACTUATOR OPERATING FORCE: SEE TABLE  
ACTUATOR TRAVEL: 0.35±0.2mm

DURABILITY

UP TO 1,000,000 CYCLES, AT RATED LOAD PER EIA-RS-448, METHOD 8  
FINAL CONTACT RESISTANCE: 200 MILLIOHMS MAX  
CONTACT BOUNCE: 20 MILLISECONDS MAX  
ACTUATOR FORCE: WITHIN ±30% OF INITIAL VALUE

ENVIRONMENTAL

OPERATING TEMPERATURE RANGE: -35°C to +85°C  
STORAGE TEMPERATURE RANGE: -35°C to +85°C  
HUMIDITY: 96 HOURS PER EIA-186-1E  
INSULATION RESISTANCE: 10 MEGOHMS MIN  
DIELECTRIC STRENGTH: 250VAC  
CONTACT RESISTANCE: 100 MILLIOHMS MAX  
DRY HEAT TEST: 85°C FOR 96 HOURS PER IEC 60068-2-2, TEST B,  
NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS  
COLD TEST: -35°C FOR 96 HOURS PER IEC 60068-2-1, TEST A;  
NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS  
THERMAL CYCLING: 5 CYCLES, -35°C to +85°C  
HUMIDITY-TEMPERATURE CYCLING, EIA 364-31B, METHOD III  
CONTACT RESISTANCE 100 MILLIOHMS MAX  
RESISTANCE TO SOLDERING HEAT PER 109-202, COND B

SOLDERABILITY: PER EIA RS-186-9E

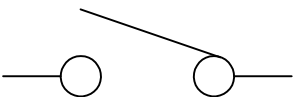
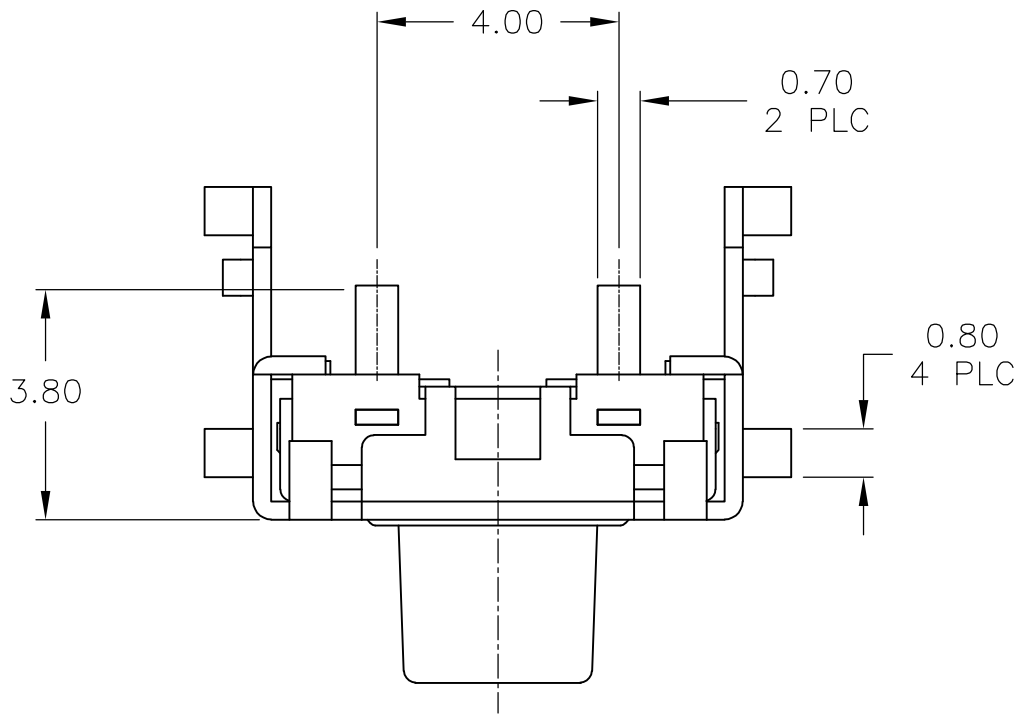
SEALED PER IP67

NOTES:

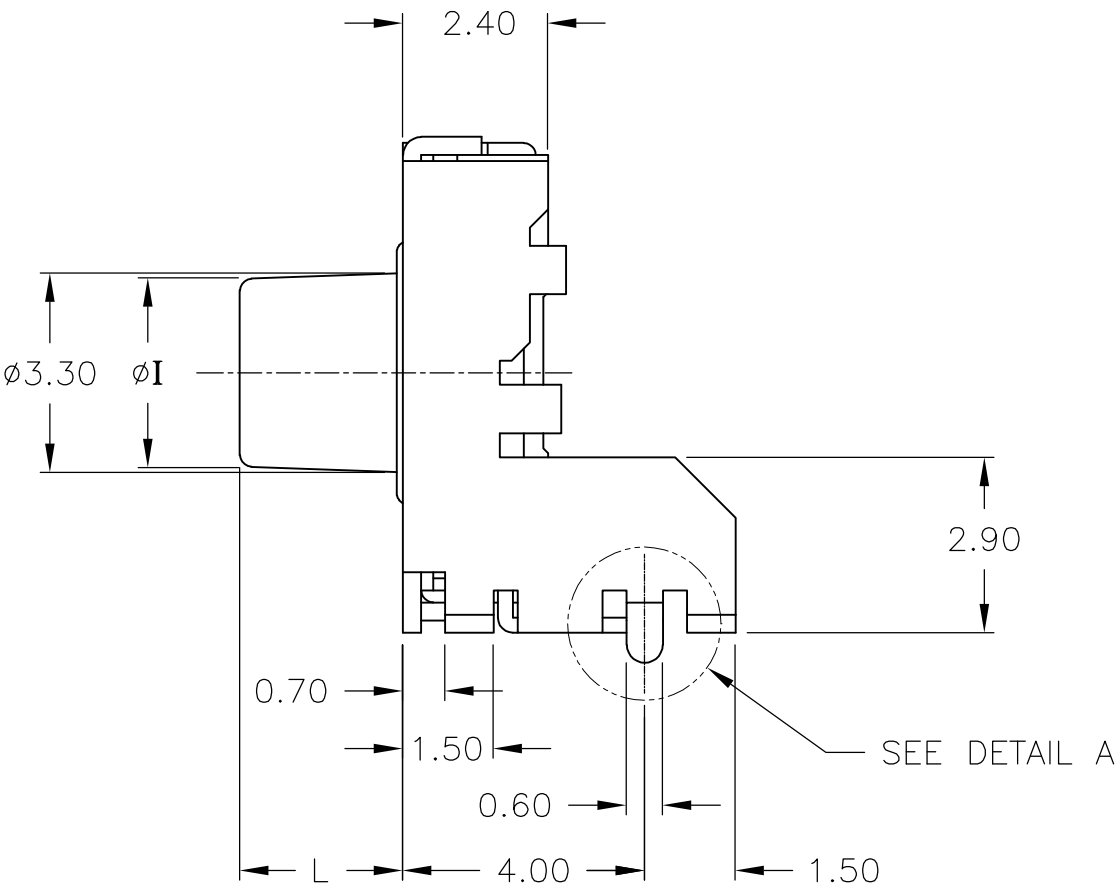
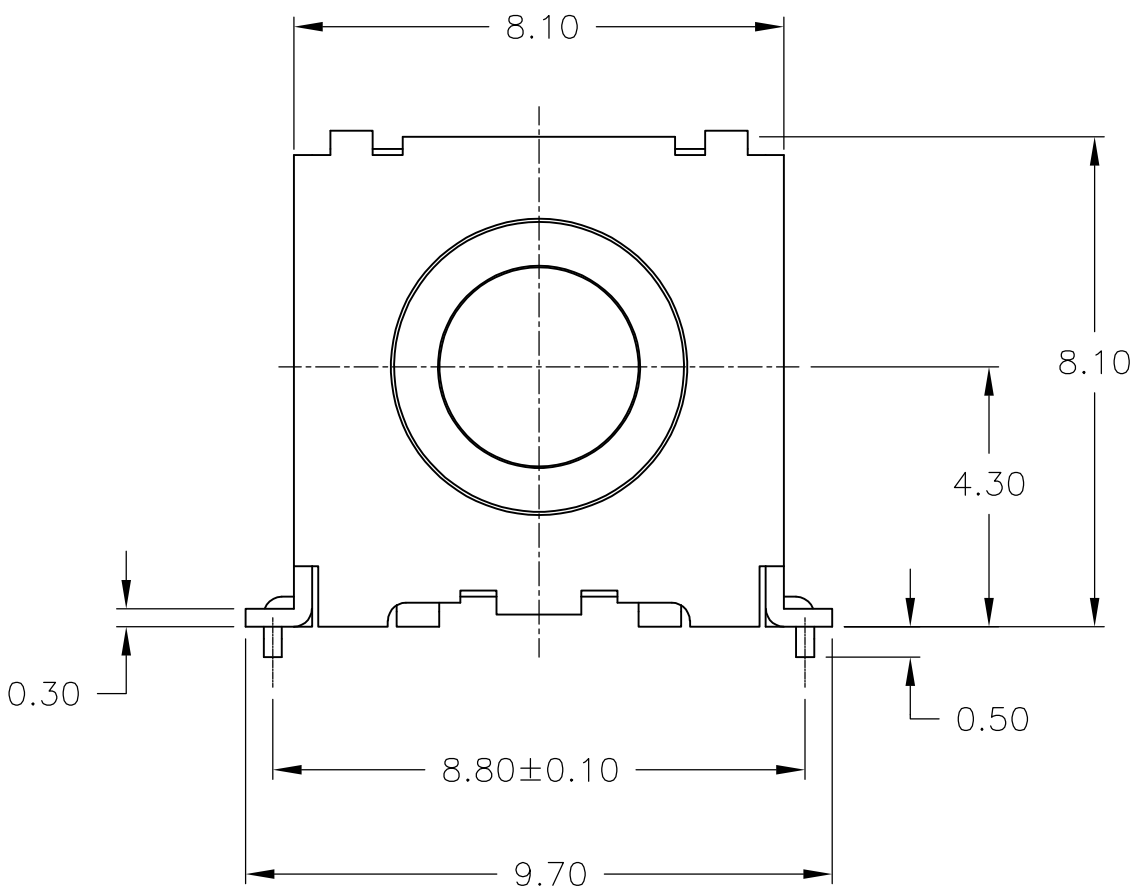
1. ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU  
DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)

|          |                   |           |                 |     |     |                |
|----------|-------------------|-----------|-----------------|-----|-----|----------------|
| OBSOLETE | WITH GUIDE PIN    | T/R       | 130±50gf        | 3.1 | 2.7 | 1571300-3      |
|          | WITH GUIDE PIN    | BULK      | 130±50gf        | 3.1 | 2.7 | 1571300-2      |
|          | WITHOUT GUIDE PIN | BULK      | 130±50gf        | 3.1 | 2.7 | 1571300-1      |
|          | DETAIL A          | PACKAGING | OPERATING FORCE | I   | L   | TE PART NUMBER |

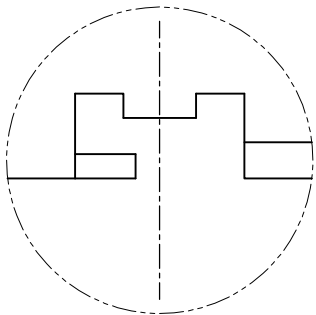
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|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-----|------|-------|-----------|--------|------------|----------|---------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                                                              | DWN<br>R BROWN<br>18DEC02  |                             |  TE Connectivity |                                                                   |     |      |       |           |        |            |          |               |  |
| DIMENSIONS:<br>mm                                                                     |                                                                                                                              | CHK<br>M SARVER<br>18DEC02 |                             |                                                                                                       |                                                                   |     |      |       |           |        |            |          |               |  |
|  | TOLERANCES UNLESS OTHERWISE SPECIFIED:<br><br>0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.30<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - |                            | APVD<br>M SARVER<br>18DEC02 |                                                                                                       | NAME<br><br>SWITCH ASSEMBLY, TACTILE,<br>RIGHT ANGLE, SMT, SEALED |     |      |       |           |        |            |          |               |  |
|                                                                                       |                                                                                                                              |                            | PRODUCT SPEC<br>—           |                                                                                                       |                                                                   |     |      |       |           |        |            |          |               |  |
|                                                                                       |                                                                                                                              |                            | MATERIAL<br>—               |                                                                                                       | APPLICATION SPEC<br>—                                             |     | SIZE |       | CAGE CODE |        | DRAWING NO |          | RESTRICTED TO |  |
|                                                                                       |                                                                                                                              |                            |                             |                                                                                                       | WEIGHT<br>—                                                       |     | A2   |       | 00779     |        | C=1571300  |          | —             |  |
| CUSTOMER DRAWING                                                                      |                                                                                                                              |                            |                             | SCALE                                                                                                 |                                                                   | 8:1 |      | SHEET |           | 1 of 2 |            | REV<br>K |               |  |



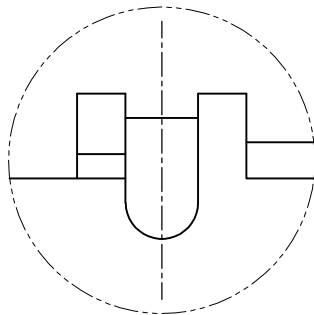
CIRCUIT DIAGRAM



SEE DETAIL A

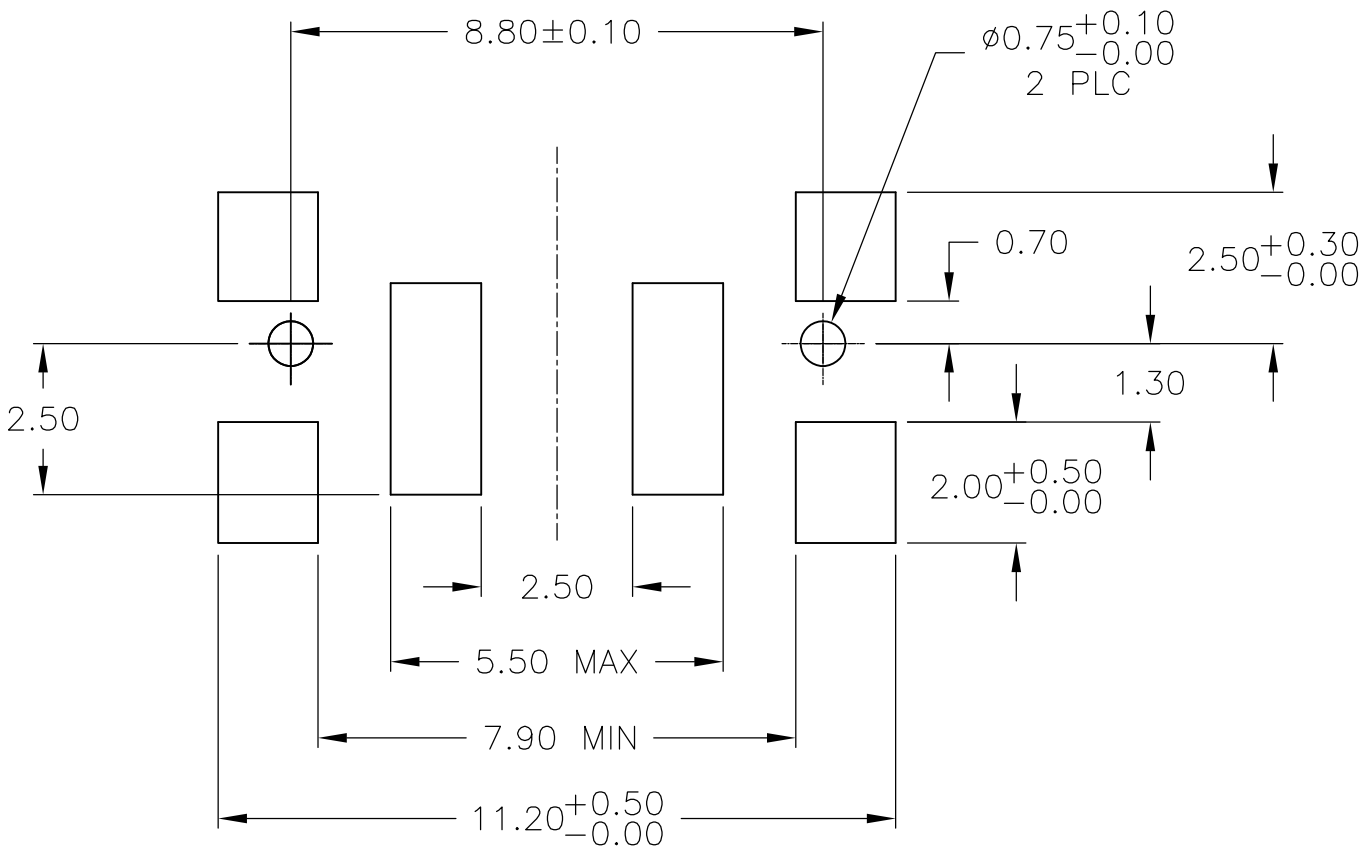


WITHOUT GUIDE PIN



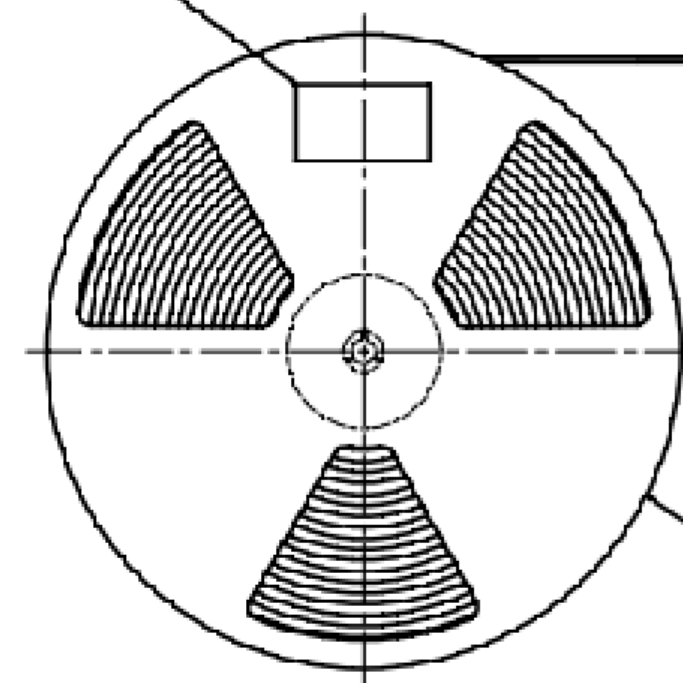
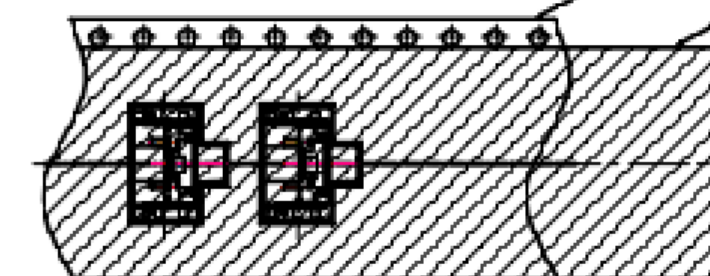
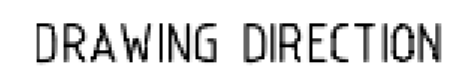
WITH GUIDE PIN

DETAIL A



P.C.B MOUNTING SOLDER LAND DIMENSION

## COVER TAPE



## REEL



|     |   |
|-----|---|
| REV | 1 |
|-----|---|