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| LOC | DIST | REVISIONS | | | |
|-----|------|---------------------------|---------|-----|------|
| F | LNK | DESCRIPTION | DATE | BY | APPD |
| H | | REVISED PER ECO-08-026146 | 21OCT08 | HMR | MS |
| H1 | | REVISED PER ECO-09-023929 | 24OCT09 | KK | AEG |

SPECIFICATIONS

MATERIALS
 CASE: THERMOPLASTIC, UL94V-0, BLACK
 ACTUATOR: THERMOPLASTIC, UL94V-0, COLOR: SEE P/N TABLE
 COVER: STAINLESS STEEL
 SEAL: SILICON RUBBER, BLACK
 CONTACT: STAINLESS STEEL, SILVER FINISH
 FIXED CONTACT/TERMINAL: COPPER ALLOY, SILVER FINISH

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 RESISTANCE: 100 MEGOHMS MIN @ 100VDC PER EIA RS-186-13E
 DIELECTRIC STRENGTH: 500 VAC
 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 50,000 CYCLES (130 GF) OR 40,000 CYCLES (260 GF)
 AT RATED LOAD PER EIA-RS-448, METHOD 8
 FINAL CONTACT RESISTANCE: 200 MILLIOHMS MAX
 CONTACT BOUNCE: 20 MILLISECOND 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 109-201, COND B

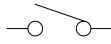
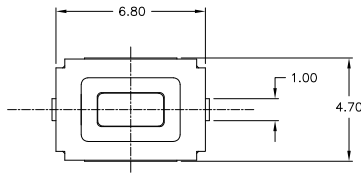
SEALING PER IP67

SOLDERABILITY: PER EIA RS-186-9E

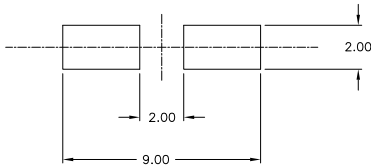
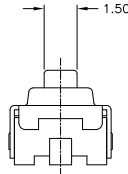
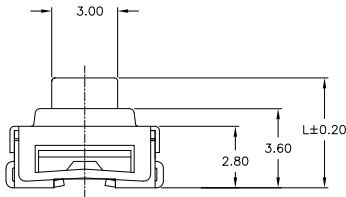
NOTE:

- 1 PARTS TO BE PACKAGED ON TAPE AND REEL PER EIA-481
- 2 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS)
- 3 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

| 1 | TAPE AND REEL | IVORY | 40,000 | 260±50gf | 4.30 | 1571299-6 |
|---|---------------|----------------|------------|-----------------|-------|----------------|
| | BULK | IVORY | 40,000 | 260±50gf | 4.30 | 1571299-5 |
| 1 | TAPE AND REEL | BLACK | 50,000 | 130±50gf | 5.00 | 1571299-4 |
| 3 | OBSOLETE BULK | BLACK | 50,000 | 130±50gf | 5.00 | 1571299-3 |
| 1 | TAPE AND REEL | BLACK | 50,000 | 130±50gf | 4.30 | 1571299-2 |
| 3 | OBSOLETE BULK | BLACK | 50,000 | 130±50gf | 4.30 | 1571299-1 |
| | PACKAGING | ACTUATOR COLOR | CYCLE LIFE | OPERATING FORCE | DIM L | TE PART NUMBER |



CIRCUIT DIAGRAM



P.C.B MOUNTING SOLDER LAND DIMENSION

| | | | | |
|--|---|------------------------|---|---------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DRW R BROWN 244P002 | Tyco Electronics Corporation Harrisburg, PA 17105-3608 | |
| DIMENSIONS: mm | | CHK H WYTHKOOP 244P002 | NAME H WYTHKOOP 244P002 | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | PROOF SPEC | APPLICATION SPEC | |
| 0 PLZ | ± | | SIZE | ONE CODE DRAWING NO |
| 1 PLZ | ± | | A2 | 00779 C=1571299 |
| 2 PLZ | ± | | WEIGHT | RESTRICTED TO |
| 3 PLZ | ± | | | |
| 4 PLZ | ± | | | |
| ANGLES | ± | | | |
| MATERIAL | | FINISH | | |
| CUSTOMER DRAWING | | SCALE | 8:1 | SHEET 1 of 1 REV H1 |