

D

C

B

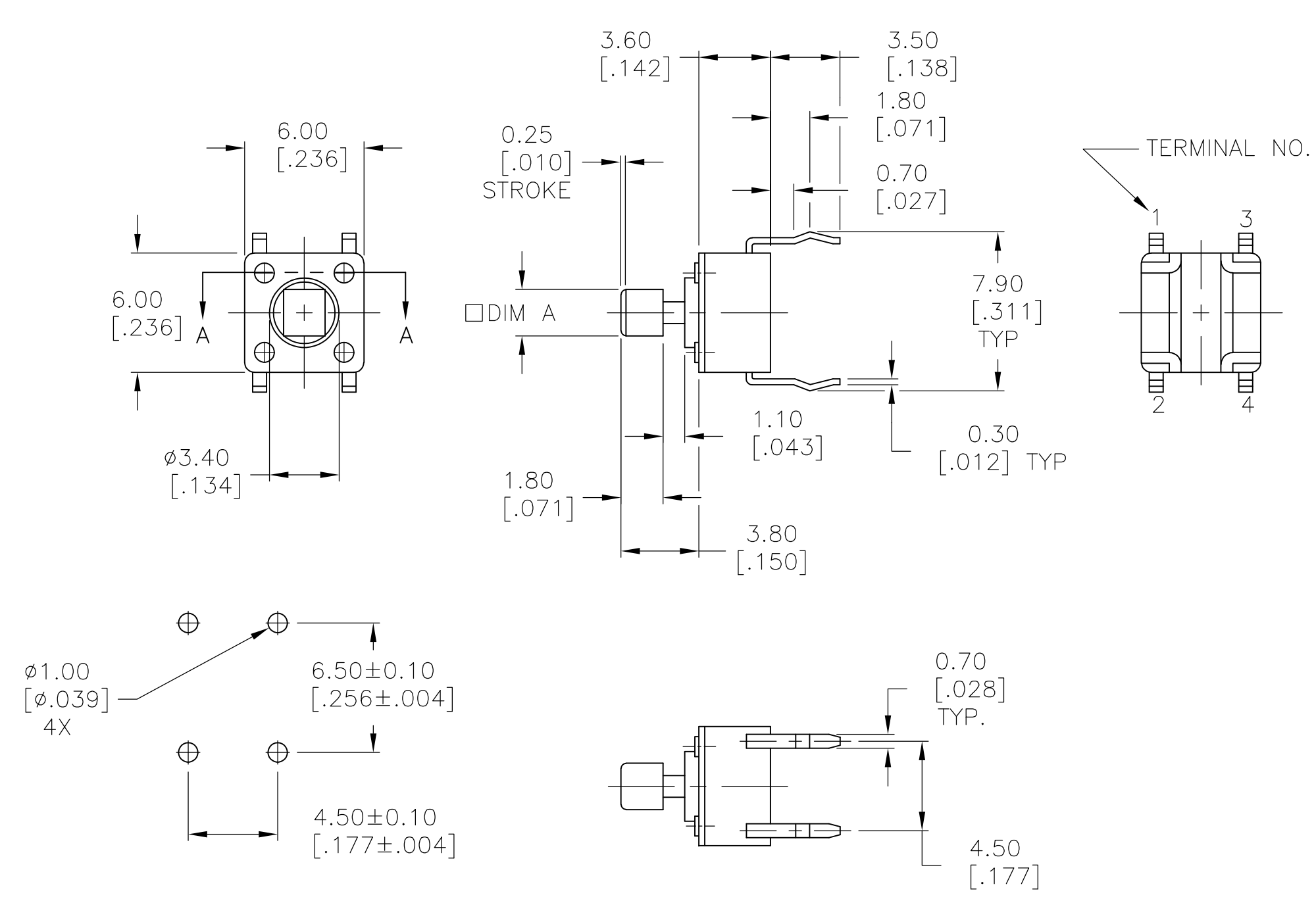
A

D

C

B

A



RECOMMENDED HOLE LAYOUT  
TOLERANCE  $\pm .002$  UNLESS OTHERWISE NOTED

SPECIFICATIONS:

MATERIALS:  
CASE, NYLON 66, UL94HB, BLACK FINISH  
COVER, PET FILM, WHITE  
ACTUATOR, NYLON 66, UL94HB, SEE P/N TABLE FOR FINISH  
MOVING CONTACT, COPPER ALLOY, SILVER FINISH  
FIXED CONTACT/TERMINAL, COPPER ALLOY, SILVER OVER NICKEL FINISH

ELECTRICAL:  
MAX CONTACT RATING, 50MA@ 24V DC, PER EIA-448, METHOD 6  
MIN CONTACT RATING, 10MICROAMP@1V DC  
INITIAL CONTACT RESISTANCE, 50 MILLIOHMS MAX, PER EIA-364-23B, EACH POSITION  
INSULATION RESISTANCE, 1000 MEGOHM MIN. PER EIA-364-21C EACH POSITION  
DIELECTRIC STRENGTH, 500 V AC FOR 1 MINUTE, PER EIA-364-20B, CONDITION 1, EACH POSITION.  
LIFE EXPECTANCY, 100,000 CYCLES

MECHANICAL:  
ACTUATION FORCE, SEE P/N TABLE  
ACTUATION TRAVEL, .25 +/- .10 MM  
LIFE EXPECTANCY, 100,000 CYCLES MIN (2 CYCLES PER SECOND AND 150% ACTUATION FORCE), PER EIA-448 METHODS 8 AND 9  
VIBRATION, PER EIA 364-28D, CONDITION VII, LEVEL E  
MECHANICAL SHOCK, PER EIA-364-27C, CONDITION A

ENVIRONMENTAL:  
OPERATING TEMPERATURE, -35 TO +85 DEGREES C, PER EIA-448, METHOD 10  
STORAGE TEMPERATURE, -35 TO +85 DEGREES C  
HUMIDITY AND TEMPERATURE CYCLING PER EIA-364-31B, METHOD III  
THERMAL SHOCK, PER EIA-364-32C, -35 TO +85 DEGREES C  
SOLDERABILITY, PER EIA-364-52, CLASS 2, CATEGORY 1, TEMP, 245 DEGREES C MAX, TIME, 2.5 SECONDS MAX, 95% MINIMUM COVERAGE  
RESISTANCE TO SOLDER HEAT, PER 109-202, CONDITION B  
NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS

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

| ( )-INDICATES MOMENTARY POSITION |                 |            |
|----------------------------------|-----------------|------------|
| CIRCUIT CHARACTERISTICS          |                 |            |
| CONTACT POSITION                 | CIRCUIT DIAGRAM |            |
| OFF                              | (ON)            | 1 3<br>2 4 |

|          |                       |                 |             |               |           |
|----------|-----------------------|-----------------|-------------|---------------|-----------|
| OBSOLETE | RED                   | 260±50 GF       | 2.42[.095]  | FSMDCW        | 1825967-3 |
|          | BLACK                 | 160±50 GF       | 2.80 [.110] | FSMCDAH       | 1825967-2 |
|          | BLUE                  | 160±50 GF       | 2.42 [.095] | FSMCDH        | 1825967-1 |
|          | ACTUATOR BUTTON COLOR | ACTUATION FORCE | DIM A       | ALCO PART NO. | PART NO.  |

|                                        |  |                         |                                                |  |  |
|----------------------------------------|--|-------------------------|------------------------------------------------|--|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. |  | DWN R BROWN 13FEB2007   | TE Connectivity                                |  |  |
| DIMENSIONS: mm [INCHES]                |  | CHK M SARVER 13FEB2007  |                                                |  |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD M SARVER 13FEB2007 | NAME                                           |  |  |
| 0 PLC ± -                              |  | PRODUCT SPEC            | ACT SWITCH, SQUARE ACTUATOR, 6.0 mm, HIGH TEMP |  |  |
| 1 PLC ± -                              |  | APPLICATION SPEC        | FSMCDH                                         |  |  |
| 2 PLC ± 0.30[.012]                     |  |                         |                                                |  |  |
| 3 PLC ± -                              |  |                         |                                                |  |  |
| 4 PLC ± -                              |  |                         |                                                |  |  |
| ANGLES ± -                             |  |                         |                                                |  |  |
| FINISH                                 |  |                         |                                                |  |  |
| MATERIAL SEE SPECIFICATIONS            |  | WEIGHT                  |                                                |  |  |
|                                        |  | CUSTOMER DRAWING        |                                                |  |  |
|                                        |  | SCALE 4:1               |                                                |  |  |
|                                        |  | SHEET 1 OF 1            |                                                |  |  |
|                                        |  | REV E                   |                                                |  |  |

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