

SPECIFICATIONS:

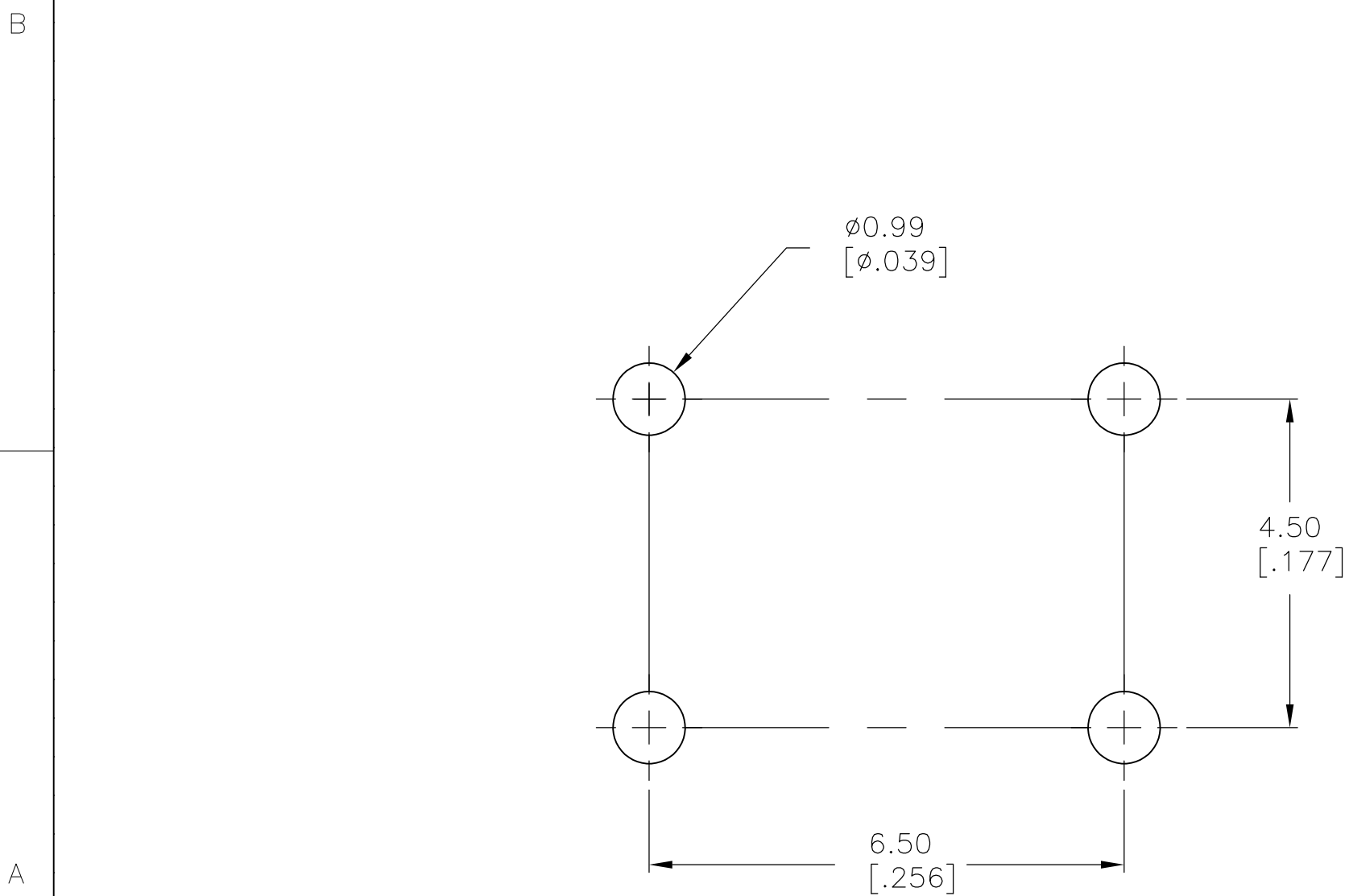
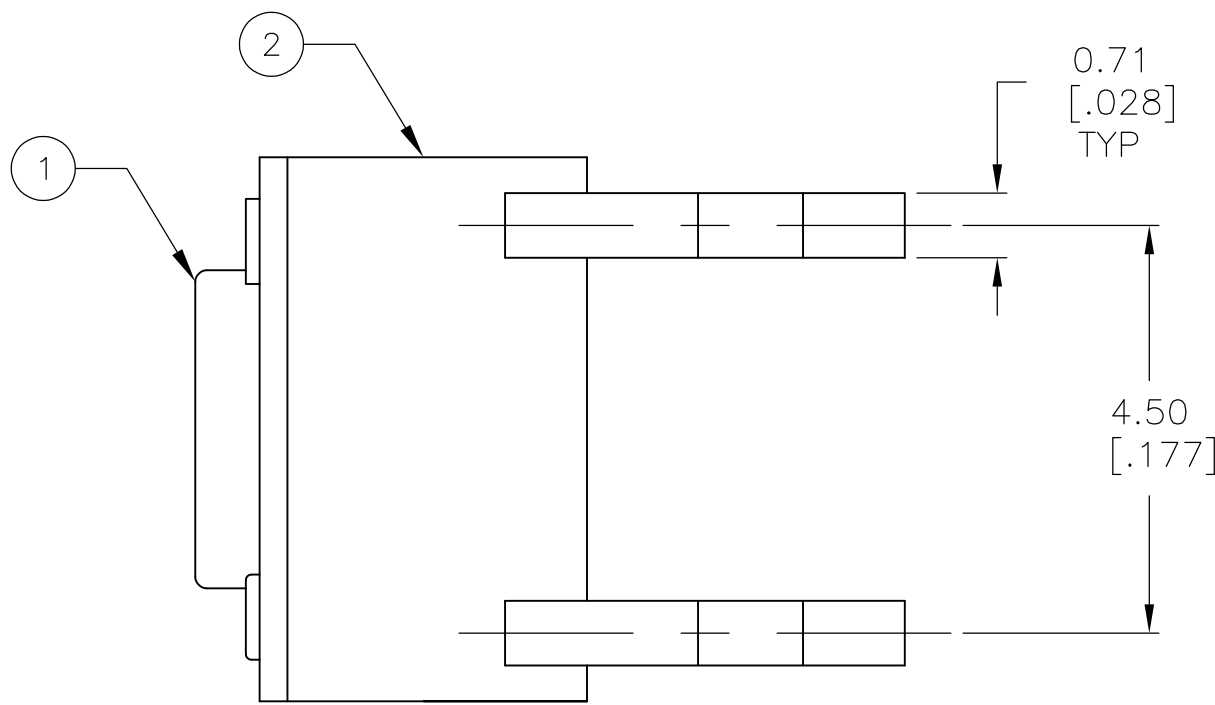
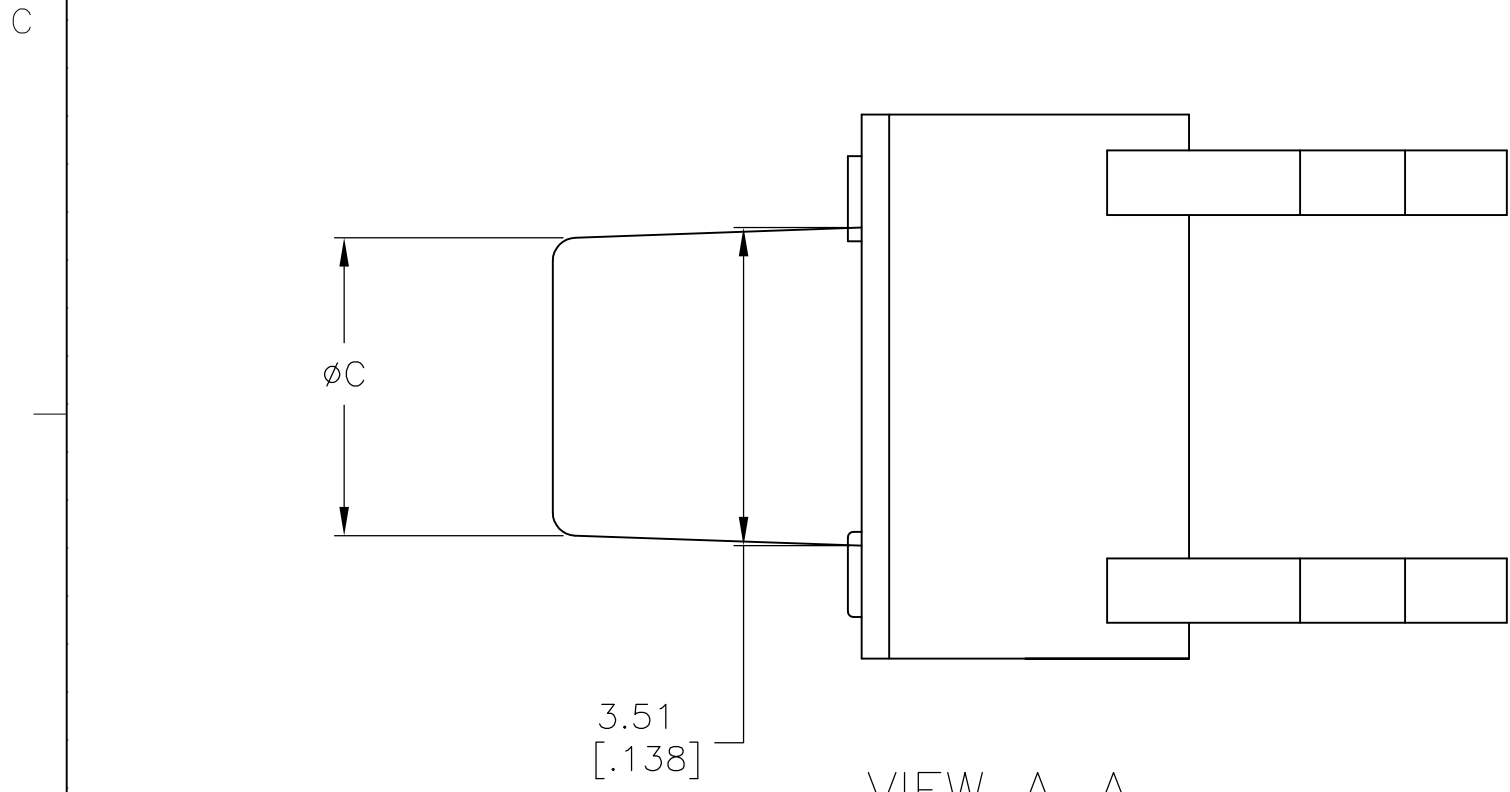
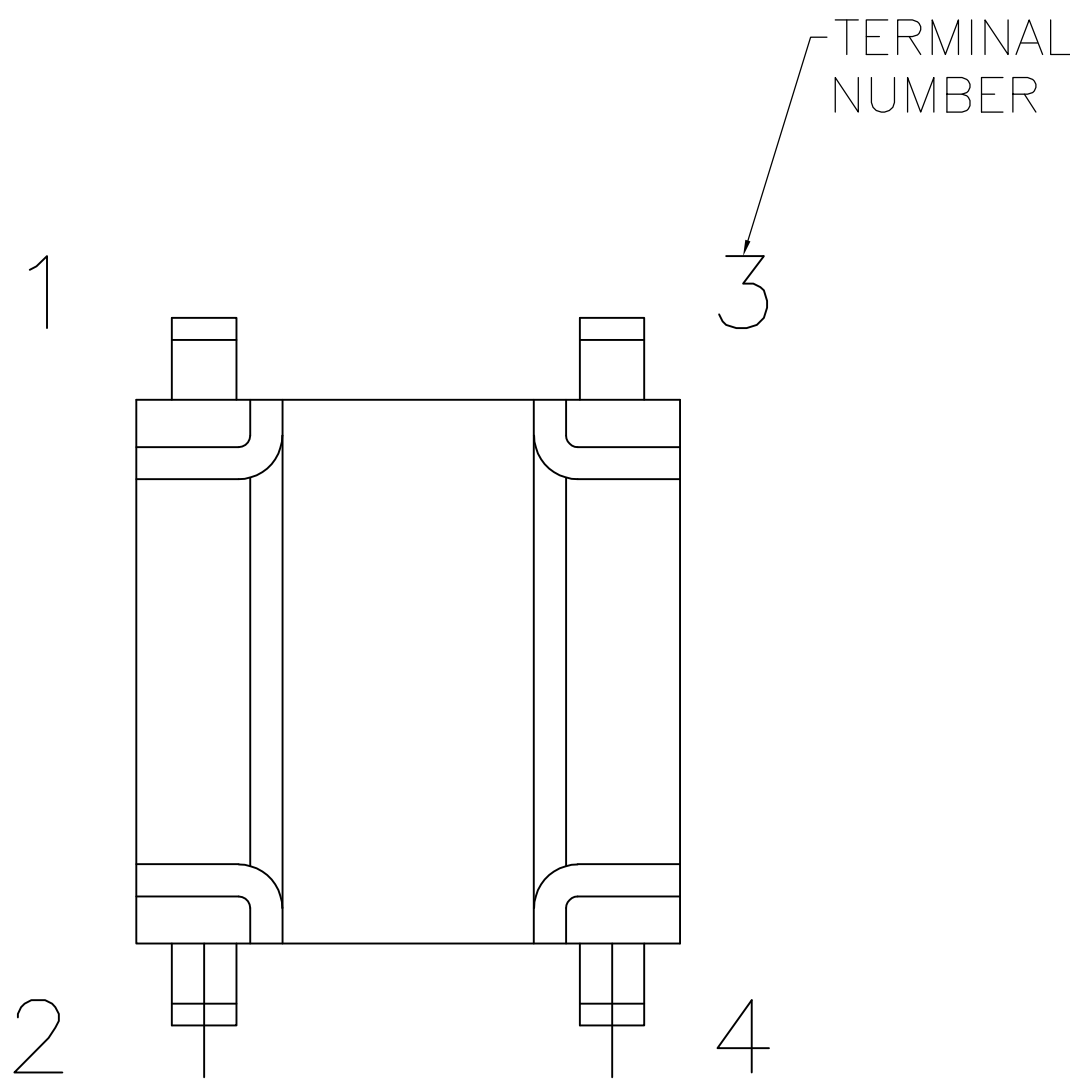
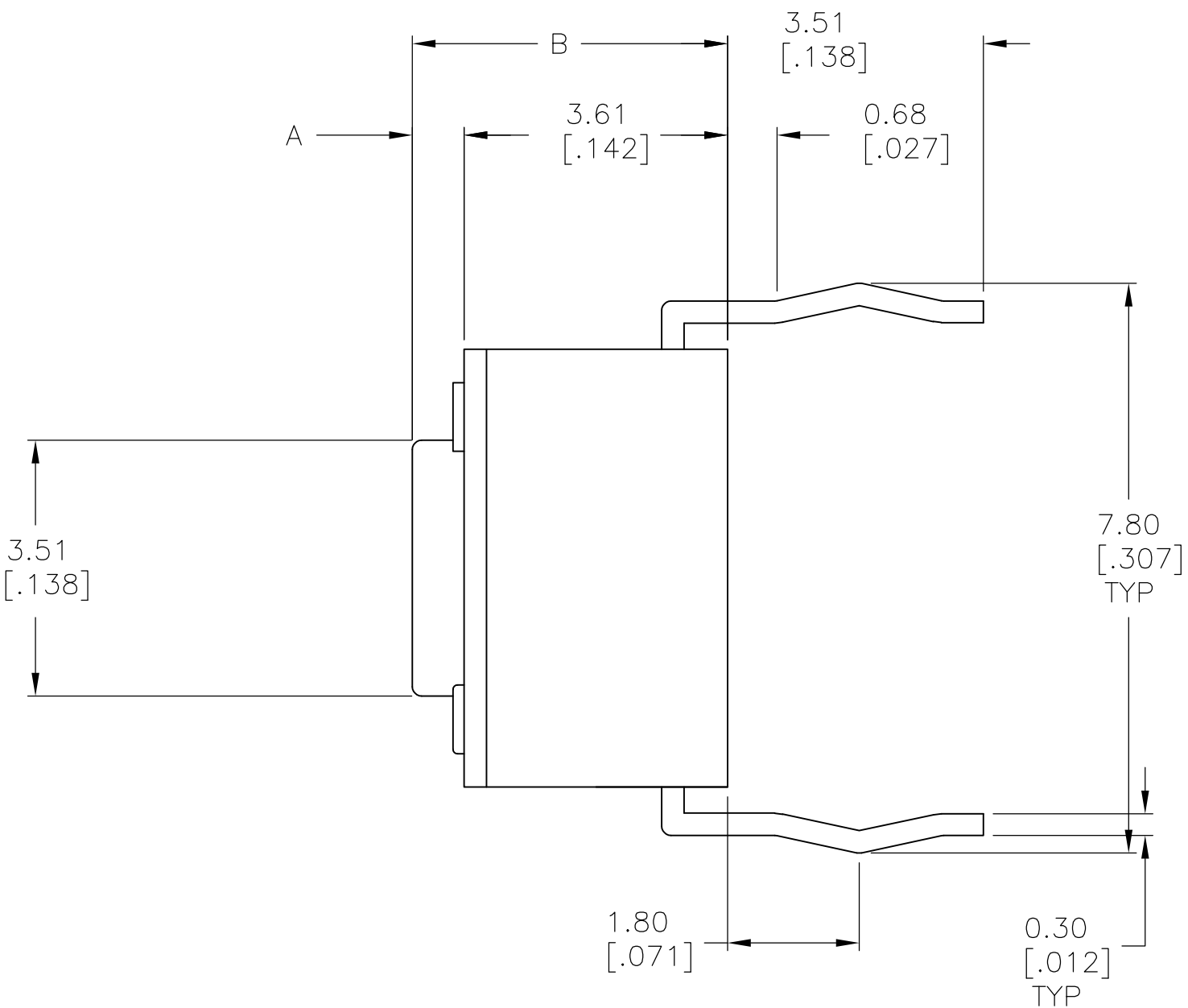
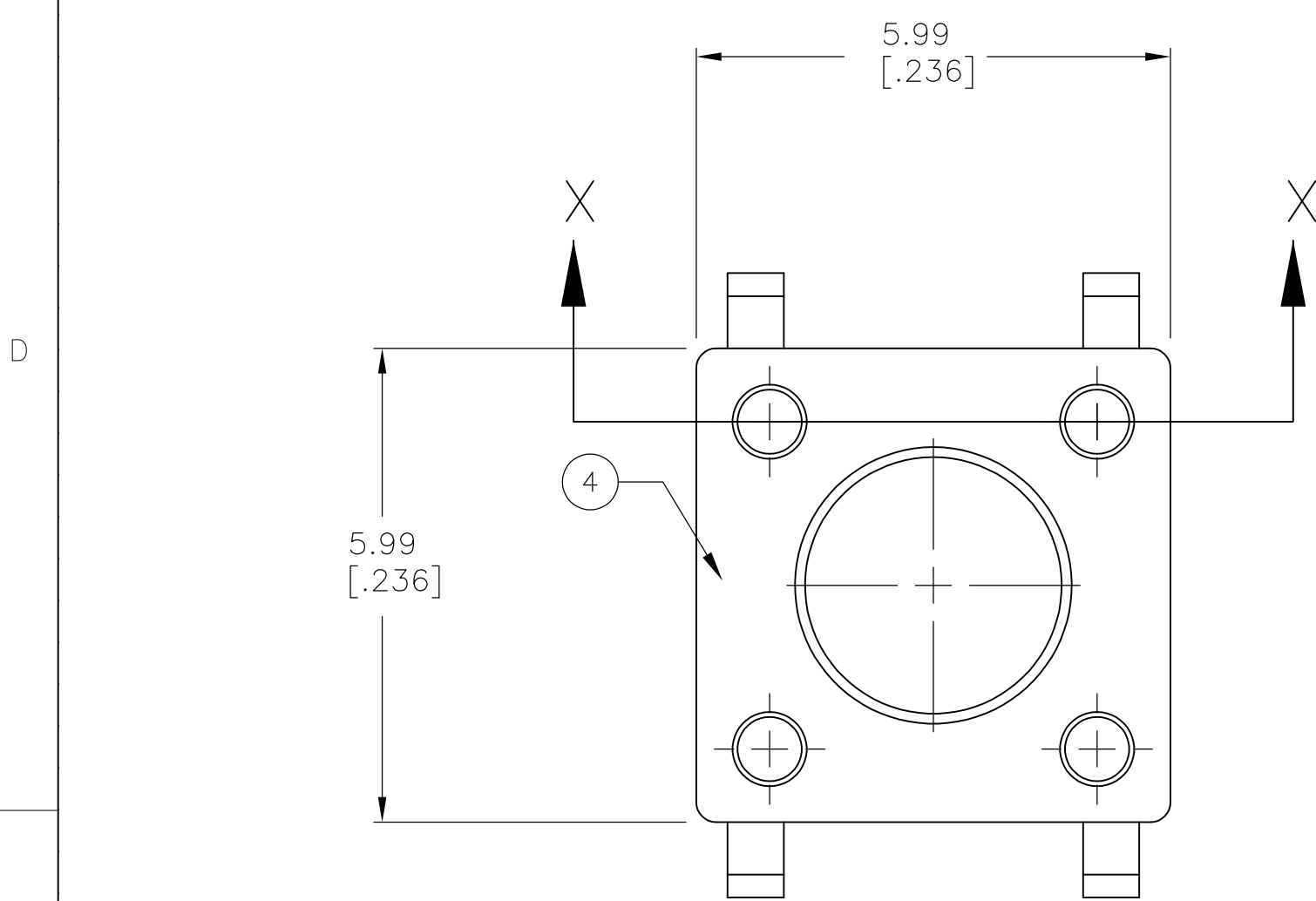
MATERIALS:
CASE: NYLON 66, BLACK
ACTUATOR: NYLON 66 OR PPS, SEE P/N TABLE
COVER: STEEL, TIN FINISH
MOVING CONTACT: COPPER ALLOY-SILVER FINISH
FIXED CONTACT/TERMINAL: COPPER ALLOY-SILVER OVER NICKEL FINISH



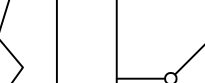
ELECTRICAL:
MAX CONTACT RATING: 50MILLIAMPS@24V DC,
MIN CONTACT RATING: 10MICROAMPS@1V DC
INITIAL CONTACT RESISTANCE, 100 MILLIOHMS MAX
INSULATION RESISTANCE, 100 MEGOHM MIN. @ 100V DC
DIELECTRIC STRENGTH, 500 V AC FOR 1 MINUTE
LIFE EXPECTANCY, 100,000 CYCLES MIN (2 CYCLES PER SECOND AND 150%
ACTUATION FORCE), EXCEPT FOR THE 520 GF MODEL WHICH WOULD BE 50,000
CYCLES MIN.

MECHANICAL:
ACTUATION FORCE, SEE TABLE
ACTUATION TRAVEL, .010 +.008/-.004
LIFE EXPECTANCY, 100,000 CYCLES MIN (2 CYCLES PER SECOND AND 150%
ACTUATION FORCE), EXCEPT FOR THE 520 GF MODEL WHICH WOULD BE 50,000
CYCLES MIN.


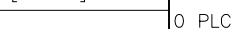
ENVIRONMENTAL:
OPERATING TEMPERATURE, -35 TO +85 DEGREES C
STORAGE TEMPERATURE, -35 TO +85 DEGREES C
THERMAL SHOCK, PER EIA-364-32C, -35 TO +85 DEGREES C
SOLDERABILITY, PER EIA-364-52, CLASS 2, CATEGORY 1, CATEGORY 2, 95%
MINIMUM COVERAGE
RESISTANCE TO SOLDER HEAT, PER 109-202, CONDITION B

Notes:
1.ALL MATERIALS 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 2-4 | |

| | | | | | | | | | |
|----------|----------|----------------|----------------|-----------------|--------------|--------------|------------|-------------|--------|
| OBSOLETE | NYLON 6T | YELLOW | 520 +/-100 GF | 3.09 (.122) | 8.50 (.335) | 4.90 (.193) | FSM18JAAHX | 3-1977120-7 | |
| | NYLON 6T | WHITE | 260 +/-50 GF | 3.09 (.122) | 8.50 (.335) | 4.90 (.193) | FSM18JAHX | 3-1977120-6 | |
| | PPS | BLACK | 160 +/-50 GF | 3.09 (.122) | 8.50 (.335) | 4.90 (.193) | FSM18JHX | 3-1977120-5 | |
| | PPS | BROWN | 100 +/-50 GF | 3.09 (.122) | 8.50 (.335) | 4.90 (.193) | FSM18JLHX | 3-1977120-4 | |
| | NYLON 6T | YELLOW | 520 +/-100 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM16JAAHX | 3-1977120-3 | |
| | NYLON 6T | WHITE | 260 +/-50 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM16JAHX | 3-1977120-2 | |
| | PPS | BLACK | 160 +/-50 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM16JHX | 3-1977120-1 | |
| | PPS | BROWN | 100 +/-50 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM16JLHX | 3-1977120-0 | |
| | NYLON 6T | YELLOW | 520 +/-100 GF | 2.87 (.118) | 13.00 (.512) | 9.40 (.370) | FSM14JAAHX | 2-1977120-9 | |
| | NYLON 6T | WHITE | 260 +/-50 GF | 2.87 (.118) | 13.00 (.512) | 9.40 (.370) | FSM14JAHX | 2-1977120-8 | |
| OBSOLETE | PPS | BLACK | 160 +/-50 GF | 2.87 (.118) | 13.00 (.512) | 9.40 (.370) | FSM14JHX | 2-1977120-7 | |
| | PPS | BROWN | 100 +/-50 GF | 2.87 (.118) | 13.00 (.512) | 9.40 (.370) | FSM14JLHX | 2-1977120-6 | |
| | NYLON 6T | YELLOW | 520 +/-100 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM12JAAHX | 2-1977120-5 | |
| | PPS | BLACK | 260 +/-50 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM12JABHX | 2-1977120-4 | |
| | NYLON 6T | WHITE | 260 +/-50 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM12JAHX | 2-1977120-3 | |
| | PPS | BLACK | 160 +/-50 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM12JHX | 2-1977120-2 | |
| | PPS | BROWN | 100 +/-50 GF | 3.20 (.126) | 8.00 (.315) | 4.40 (.173) | FSM12JLHX | 2-1977120-1 | |
| | NYLON 6T | YELLOW | 520 +/-100 GF | 3.25 (.128) | 7.30 (.287) | 3.70 (.146) | FSM10JAAHX | 2-1977120-0 | |
| OBSOLETE | NYLON 6T | WHITE | 260 +/-50 GF | 3.25 (.128) | 7.30 (.287) | 3.70 (.146) | FSM10JAHX | 1-1977120-9 | |
| | PPS | BLACK | 160 +/-50 GF | 3.25 (.128) | 7.30 (.287) | 3.70 (.146) | FSM10JHX | 1-1977120-8 | |
| OBSOLETE | PPS | BROWN | 100 +/-50 GF | 3.25 (.128) | 7.30 (.287) | 3.70 (.146) | FSM10JLHX | 1-1977120-7 | |
| | NYLON 6T | YELLOW | 520 +/-100 GF | 3.10 (.122) | 9.50 (.374) | 5.90(.232) | FSM8JAAHX | 1-1977120-6 | |
| | NYLON 6T | WHITE | 260 +/-50 GF | 3.10 (.122) | 9.50 (.374) | 5.90(.232) | FSM8JAHX | 1-1977120-5 | |
| | PPS | BLACK | 160 +/-50 GF | 3.10 (.122) | 9.50 (.374) | 5.90(.232) | FSM8JHX | 1-1977120-4 | |
| | PPS | BROWN | 100 +/-50 GF | 3.10 (.122) | 9.50 (.374) | 5.90(.232) | FSM8JLHX | 1-1977120-3 | |
| | NYLON 6T | YELLOW | 520 +/-100 GF | 3.30(.130) | 7.00 (.276) | 3.40 (.134) | FSM6JAAHX | 1-1977120-2 | |
| | NYLON 6T | WHITE | 260 +/-50 GF | 3.30(.130) | 7.00 (.276) | 3.40 (.134) | FSM6JAHX | 1-1977120-1 | |
| | PPS | BLACK | 160 +/-50 GF | 3.30(.130) | 7.00 (.276) | 3.40 (.134) | FSM6JHX | 1-1977120-0 | |
| | PPS | BROWN | 100 +/-50 GF | 3.30(.130) | 7.00 (.276) | 3.40 (.134) | FSM6JLHX | 1977120-9 | |
| | NYLON 6T | YELLOW | 520 +/-100 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM4JAAHX | 1977120-8 | |
| | NYLON 6T | WHITE | 260 +/-50 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM4JAHX | 1977120-7 | |
| | PPS | BLACK | 160 +/-50 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM4JHX | 1977120-6 | |
| | PPS | BROWN | 100 +/-50 GF | N/A | 5.00 (.196) | 1.40 (.055) | FSM4JLHX | 1977120-5 | |
| | NYLON 6T | YELLOW | 520 +/-100 GF | N/A | 4.30 (.169) | 0.70 (.028) | FSM2JAAHX | 1977120-4 | |
| | NYLON 6T | WHITE | 260 +/-50 GF | N/A | 4.30 (.169) | 0.70 (.028) | FSM2JAHX | 1977120-3 | |
| | PA6T | GRAY | 160 +/-50 GF | N/A | 4.30 (.169) | 0.70 (.028) | FSM2JHX | 1977120-2 | |
| | PPS | BROWN | 100 +/-50 GF | N/A | 4.30 (.169) | 0.70 (.028) | FSM2JLHX | 1977120-1 | |
| | | ACTUATOR MAT'L | ACTUATOR COLOR | ACTUATION FORCE | DIM C | DIM B | DIM A | ALCO P/N | TE P/N |

| | | | | |
|---|--|--|---------|---|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWG. <u>M.BINNER</u> | 07JUN07 |  TE Connectivity |
| | | CHK. <u>M.SARVER</u> | 07JUN07 | |
| | | APPV. <u>M.SARVER</u> | 07JUN07 | |
| DIMENSIONS: mm [INCHES] | | TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± — 2 PLC ± 0.30 [012] 3 PLC ± — 4 PLC ± — ANGLES ± — FINISH — | | NAME 6MM TACT SWITCH, THRU-HOLE HIGH TEMP — |
|  | | PRODUCT SPEC APPLICATION SPEC WEIGHT — | | SIZE A1 |
| MATERIAL SEE SPECIFICATIONS | | DRAWING NO 00779 | | RESTRICTED TO — |
| | | CUSTOMER DRAWING | | SCALE 12:1 SHEET 1 OF 1 REV B3 |