

|                                         |                          |     |
|-----------------------------------------|--------------------------|-----|
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| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|           | C10 | REVISED PER ECO-17-002273 | 100CT2017 | RK  | AS   |

SPECIFICATIONS:

MATERIALS:  
CASE: NYLON 66 UL94HB, 30% GF-BLACK  
ACTUATOR: PBT OR NYLON 66 UL94HB, SEE P/N TABLE  
COVER: PET FILM, WHITE 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.

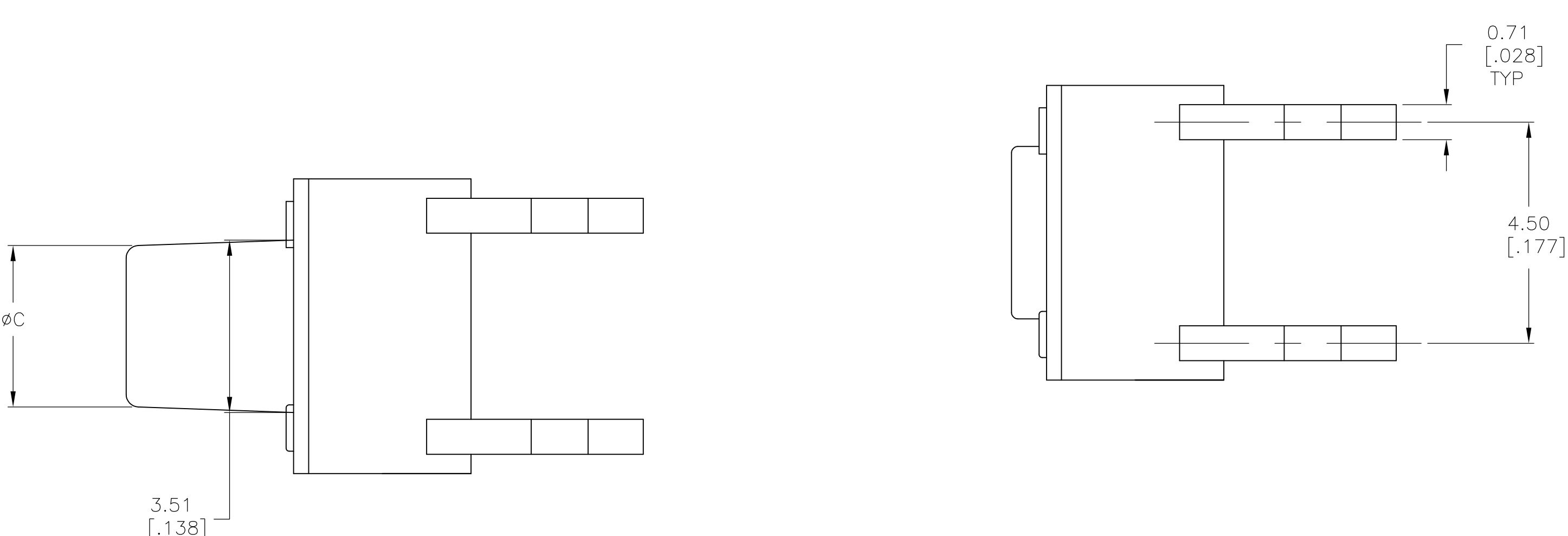
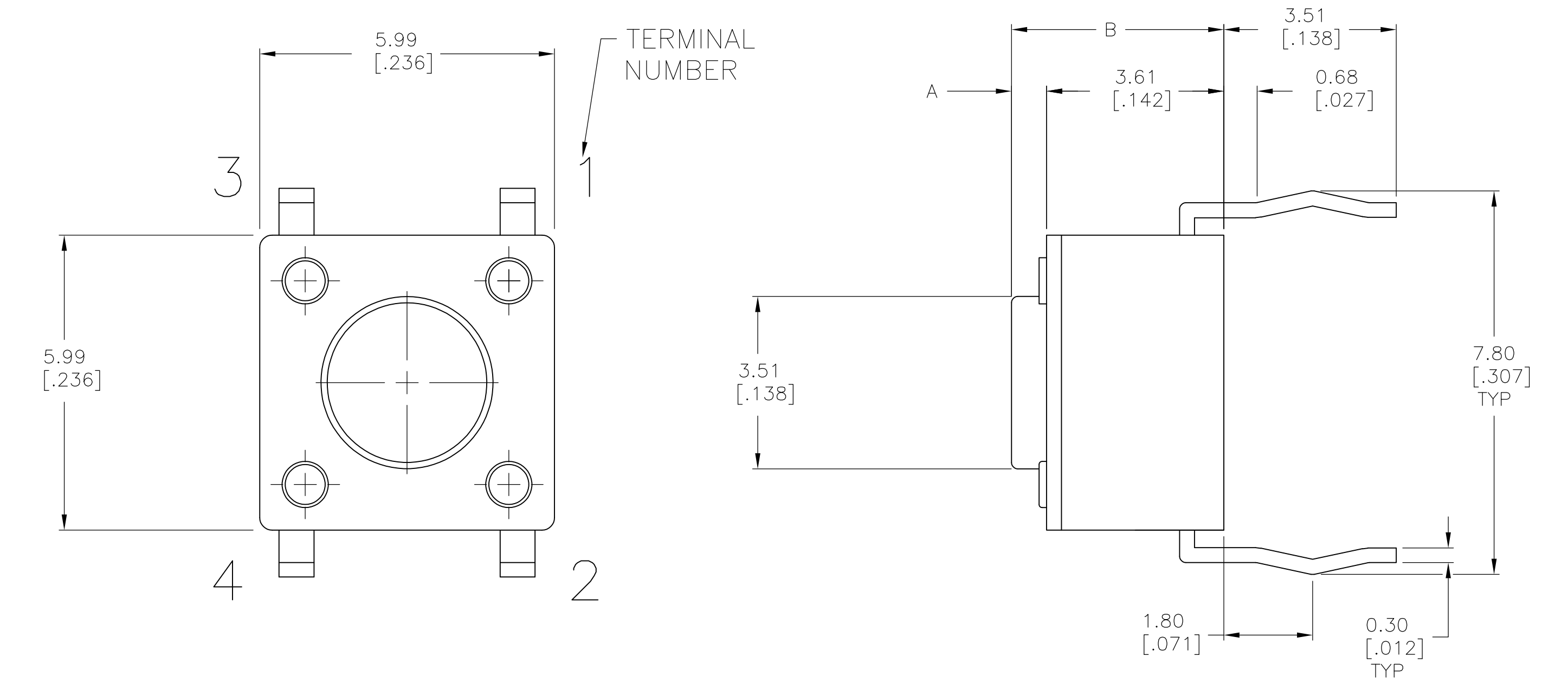
ENVIRONMENTAL:  
OPERATING TEMPERATURE, -35 TO +85 DEGREES C  
STORAGE TEMPERATURE, -35 TO +85 DEGREES C  
THERMAL SHOCK, PER EIA-364-32C, -35 TO +85 DEGREES C  
SOLDERABILITY, PER EIA-364-52, CLASS 2, CATEGORY 1, CATEGORY 2, 95%  
MINIMUM COVERAGE  
RESISTANCE TO SOLDER HEAT, PER 109-202, CONDITION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

Notes

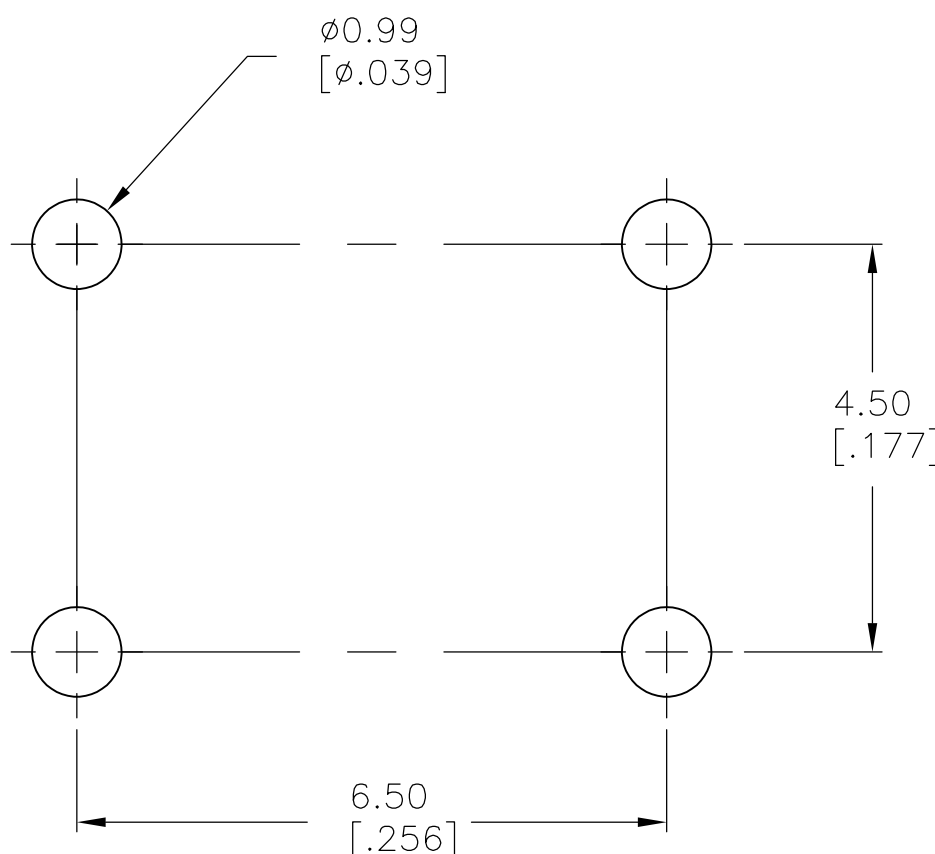
1 ALL MATERIALS AND FINISHES SHALL COMPLY WITH EU DIRECTIVE 2002/95/EC OF 27JAN2003 (ROHS).

|          |           |         |               |             |              |              |           |             |
|----------|-----------|---------|---------------|-------------|--------------|--------------|-----------|-------------|
|          | NYLON 6/6 | BROWN   | 100 +/-50 GF  | 3.30 (.130) | 7.00 (.276)  | 3.40 (.134)  | FSM6JLHTB | 3-1825910-9 |
| OBSOLETE | PBT       | BROWN   | 100 +/-50 GF  | N/A         | 5.00 (.196)  | 1.40 (.055)  | FSM4JLHTB | 3-1825910-8 |
| OBSOLETE | NYLON 6/6 | YELLOW  | 520 +/-100 GF | 3.09 (.122) | 8.50 (.335)  | 4.90 (.193)  | FSM18JAAH | 3-1825910-7 |
| OBSOLETE | NYLON 6/6 | RED     | 260 +/-50 GF  | 3.09 (.122) | 8.50 (.335)  | 4.90 (.193)  | FSM18JAH  | 3-1825910-6 |
|          | NYLON 6/6 | BLACK   | 160 +/-50 GF  | 3.09 (.122) | 8.50 (.335)  | 4.90 (.193)  | FSM18JH   | 3-1825910-5 |
| OBSOLETE | NYLON 6/6 | BROWN   | 100 +/-50 GF  | 3.09 (.122) | 8.50 (.335)  | 4.90 (.193)  | FSM18JLH  | 3-1825910-4 |
|          | NYLON 6/6 | YELLOW  | 520 +/-100 GF | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM16JAAH | 3-1825910-3 |
|          | NYLON 6/6 | RED     | 260 +/-50 GF  | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM16JAH  | 3-1825910-2 |
|          | NYLON 6/6 | BLACK   | 160 +/-50 GF  | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM16JH   | 3-1825910-1 |
| OBSOLETE | NYLON 6/6 | BROWN   | 100 +/-50 GF  | 2.80 (.110) | 17.00 (.669) | 13.40 (.527) | FSM16JLH  | 3-1825910-0 |
|          | NYLON 6/6 | YELLOW  | 520 +/-100 GF | 2.87 (.113) | 13.00 (.512) | 9.40 (.370)  | FSM14JAAH | 2-1825910-9 |
|          | NYLON 6/6 | RED     | 260 +/-50 GF  | 2.87 (.113) | 13.00 (.512) | 9.40 (.370)  | FSM14JAH  | 2-1825910-8 |
|          | NYLON 6/6 | BLACK   | 160 +/-50 GF  | 2.87 (.113) | 13.00 (.512) | 9.40 (.370)  | FSM14JH   | 2-1825910-7 |
|          | NYLON 6/6 | BROWN   | 100 +/-50 GF  | 2.87 (.113) | 13.00 (.512) | 9.40 (.370)  | FSM14JLH  | 2-1825910-6 |
| OBSOLETE | NYLON 6/6 | YELLOW  | 520 +/-100 GF | 3.20 (.126) | 8.00 (.315)  | 4.40 (.173)  | FSM12JAAH | 2-1825910-5 |
| OBSOLETE | NYLON 6/6 | BLACK   | 260 +/-50 GF  | 3.20 (.126) | 8.00 (.315)  | 4.40 (.173)  | FSM12JABH | 2-1825910-4 |
| OBSOLETE | NYLON 6/6 | RED     | 260 +/-50 GF  | 3.20 (.126) | 8.00 (.315)  | 4.40 (.173)  | FSM12JAH  | 2-1825910-3 |
|          | NYLON 6/6 | WHITE   | 160 +/-50 GF  | 3.20 (.126) | 8.00 (.315)  | 4.40 (.173)  | FSM12JH   | 2-1825910-2 |
| OBSOLETE | NYLON 6/6 | BROWN   | 100 +/-50 GF  | 3.20 (.126) | 8.00 (.315)  | 4.40 (.173)  | FSM12JLH  | 2-1825910-1 |
| OBSOLETE | NYLON 6/6 | YELLOW  | 520 +/-100 GF | 3.25 (.128) | 7.30 (.287)  | 3.70 (.146)  | FSM10JAAH | 2-1825910-0 |
|          | NYLON 6/6 | RED     | 260 +/-50 GF  | 3.25 (.128) | 7.30 (.287)  | 3.70 (.146)  | FSM10JAH  | 1-1825910-9 |
|          | NYLON 6/6 | IVORY   | 160 +/-50 GF  | 3.25 (.128) | 7.30 (.287)  | 3.70 (.146)  | FSM10JH   | 1-1825910-8 |
| OBSOLETE | NYLON 6/6 | BROWN   | 100 +/-50 GF  | 3.25 (.128) | 7.30 (.287)  | 3.70 (.146)  | FSM10JLH  | 1-1825910-7 |
| OBSOLETE | PBT       | YELLOW  | 520 +/-100 GF | 3.10 (.122) | 9.50 (.374)  | 5.90 (.232)  | FSM8JAAH  | 1-1825910-6 |
|          | PBT       | RED     | 260 +/-50 GF  | 3.10 (.122) | 9.50 (.374)  | 5.90 (.232)  | FSM8JAH   | 1-1825910-5 |
|          | PBT       | BLACK   | 160 +/-50 GF  | 3.10 (.122) | 9.50 (.374)  | 5.90 (.232)  | FSM8JH    | 1-1825910-4 |
|          | PBT       | BROWN   | 100 +/-50 GF  | 3.10 (.122) | 9.50 (.374)  | 5.90 (.232)  | FSM8JLH   | 1-1825910-3 |
|          | NYLON 6/6 | YELLOW  | 520 +/-100 GF | 3.30 (.130) | 7.00 (.276)  | 3.40 (.134)  | FSM6JAAH  | 1-1825910-2 |
|          | NYLON %   | RED     | 260 +/-50 GF  | 3.30 (.130) | 7.00 (.276)  | 3.40 (.134)  | FSM6JAH   | 1-1825910-1 |
|          | NYLON 6/6 | BLUE    | 160 +/-50 GF  | 3.30 (.130) | 7.00 (.276)  | 3.40 (.134)  | FSM6JH    | 1-1825910-0 |
|          | NYLON 6/6 | BROWN   | 100 +/-50 GF  | 3.30 (.130) | 7.00 (.276)  | 3.40 (.134)  | FSM6JLH   | 1825910-9   |
|          | PBT       | YELLOW  | 520 +/-100 GF | N/A         | 5.00 (.196)  | 1.40 (.055)  | FSM4JAAH  | 1825910-8   |
|          | PBT       | RED     | 260 +/-50 GF  | N/A         | 5.00 (.196)  | 1.40 (.055)  | FSM4JAH   | 1825910-7   |
|          | PBT       | BLACK   | 160 +/-50 GF  | N/A         | 5.00 (.196)  | 1.40 (.055)  | FSM4JH    | 1825910-6   |
| OBSOLETE | PBT       | BROWN   | 100 +/-50 GF  | N/A         | 5.00 (.196)  | 1.40 (.055)  | FSM4JLH   | 1825910-5   |
| OBSOLETE | PBT       | YELLOW  | 520 +/-100 GF | N/A         | 4.30 (.169)  | 0.70 (.028)  | FSM2JAAH  | 1825910-4   |
|          | PBT       | RED     | 260 +/-50 GF  | N/A         | 4.30 (.169)  | 0.70 (.028)  | FSM2JAH   | 1825910-3   |
|          | PBT       | NATURAL | 160 +/-50 GF  | N/A         | 4.30 (.169)  | 0.70 (.028)  | FSM2JH    | 1825910-2   |
|          | PBT       | BROWN   | 100 +/-50 GF  | N/A         | 4.30 (.169)  | 0.70 (.028)  | FSM2JLH   | 1825910-1   |

| ACTUATOR MAT'L                                                                        | ACTUATOR COLOR | ACTUATION FORCE                                                                       | DIM C             | DIM B                 | DIM A                                                                                                                                                                            | ALCO P/N           | P/N                     |                    |
|---------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|-------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                |                                                                                       | DWN<br>M.BINNER   | 07NOV06               | <div>TE Connectivity</div> <div>6MM TACT SWITCH,<br/>THRU-HOLE HIGH TEMP</div> <div>-</div> |                    |                         |                    |
| DIMENSIONS:<br>mm [INCHES]                                                            |                | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:                                             | CHK<br>M.SARVER   | 07NOV06               |                                                                                                                                                                                  |                    |                         | NAME               |
|  |                | 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.30 [.012]<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± - | APVD<br>M.SARVER  | 07NOV06               |                                                                                                                                                                                  |                    |                         |                    |
|                                                                                       |                |                                                                                       | PRODUCT SPEC<br>- | APPLICATION SPEC<br>- |                                                                                                                                                                                  |                    |                         |                    |
| MATERIAL<br>SEE SPECIFICATIONS                                                        |                | FINISH<br>-                                                                           | WEIGHT            |                       | SIZE<br>A1                                                                                                                                                                       | CAGE CODE<br>00779 | DRAWING NO<br>C-1825910 | RESTRICTED TO<br>- |
|                                                                                       |                |                                                                                       | CUSTOMER DRAWING  |                       |                                                                                                                                                                                  | SCALE<br>12:1      | SHEET<br>1 OF 1         | REV<br>C1          |



VIEW A-A  
FSM6J THRU FSM18J



RECOMMENDED HOLE LAYOUT  
TOLERANCE  $\pm 0.05[.002]$  UNLESS  
OTHERWISE NOTED

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

## Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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