

| REVISIONS |     |                           |           |     |      |
|-----------|-----|---------------------------|-----------|-----|------|
| P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|           | B2  | REVISED PER ECR-21-122946 | 07JAN2022 | GSK | JB   |

SPECIFICATIONS:

MATERIALS:  
CASE, PPS, UL94 V-0, BROWN  
ACTUATOR, NYLON, UL94V-0, SEE P/N TABLE FOR FINISH  
COVER, STEEL, TIN FINISH  
TERMINAL/FIXED CONTACT, COPPER ALLOY-SILVER FINISH  
MOVING CONTACT, STAINLESS STEEL-SILVER FINISH

ELECTRICAL:  
MAX CONTACT RATING, 50MILLIAMP@24V DC  
MIN CONTACT RATING, 1MICROAMP@1V DC  
CONTACT RESISTANCE, 100 MILLIOHMS MAX  
INSULATION RESISTANCE, 100 MEGOHM MIN.  
DIELECTRIC STRENGTH, 500 V AC FOR 1 MINUTE  
LIFE EXPECTANCY, 1,000,000 CYCLES

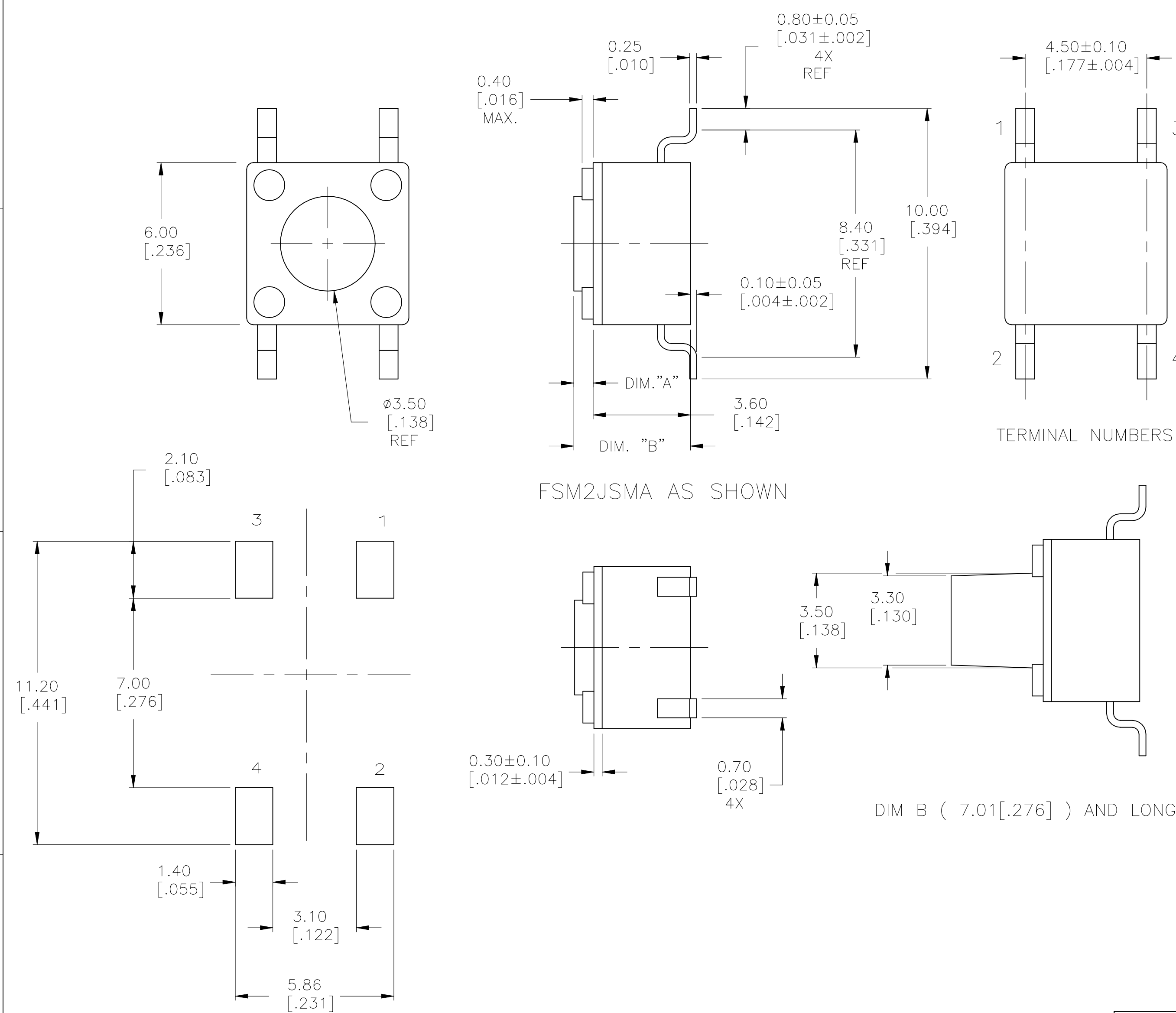
MECHANICAL:  
ACTUATION FORCE, SEE P/N TABLE  
ACTUATION TRAVEL, 0.25 +0.20/-0.10  
LIFE EXPECTANCY, 1,000,000,  
(2 CYCLES PER SECOND AND 150% ACTUATION FORCE)

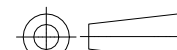
ENVIRONMENTAL:  
OPERATING TEMPERATURE, -40 TO +105° C  
STORAGE TEMPERATURE, -40 TO +105° C  
SOLDERABILITY, EIA-RS-186-9E, OR MIL-STD-202F  
RESISTANCE TO SOLDER HEAT, 260° C FOR 10SEC-PER 109-201, COND B  
1. NO CHANGE IN INITIAL ELECTRICAL AND MECHANICAL CHARACTERISTICS

NOTES:

- 1
- TAPE AND REEL PACKAGING PER EIA 481.
- 2
- 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                              |                 |  |



|                                                                                       |                                                                                       |                              |                             |                                                                                                            |                         |                    |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------|-------------------------|--------------------|
| THIS DRAWING IS A CONTROLLED DOCUMENT.                                                |                                                                                       | DWN<br>M.BINNER<br>07NOV2007 |                             |  TE Connectivity Ltd. |                         |                    |
| DIMENSIONS:<br>mm [INCHES]                                                            |                                                                                       | CHK<br>M.SARVER<br>07NOV07   |                             |                                                                                                            |                         |                    |
|  | TOLERANCES, UNLESS OTHERWISE SPECIFIED:                                               |                              | APVD<br>M.SARVER<br>07NOV07 | NAME<br><br>MICRO MINIATURE PUSHBUTTON SWITCH FSM JSM                                                      |                         |                    |
|                                                                                       | 0 PLC ± -<br>1 PLC ± -<br>2 PLC ± 0.30[.012]<br>3 PLC ± -<br>4 PLC ± -<br>ANGLES ± 1° |                              | PRODUCT SPEC<br>—           |                                                                                                            |                         |                    |
|                                                                                       | MATERIAL<br>—                                                                         |                              | APPLICATION SPEC<br>—       |                                                                                                            |                         |                    |
|                                                                                       | FINISH<br>—                                                                           |                              | WEIGHT<br>A2                |                                                                                                            |                         |                    |
| CUSTOMER DRAWING                                                                      |                                                                                       |                              | SIZE<br>A2                  | CAGE CODE<br>00779                                                                                         | DRAWING NO<br>C=1977223 | RESTRICTED TO<br>— |
|                                                                                       |                                                                                       |                              | SCALE<br>8:1                | SHEET<br>1 of 3                                                                                            | REV<br>B2               |                    |

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| P                                                   |  | LTR |  | DESCRIPTION |  |   |  | DATE |  | DWN       |  | APVD |  |
|                                                     |  | -   |  | SEE SHEET 1 |  |   |  | -    |  | -         |  | -    |  |
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REVISIONS

| P | LTR | DESCRIPTION | DATE | DWN | APVD |
|---|-----|-------------|------|-----|------|
|   | -   | SEE SHEET 1 | -    | -   | -    |

PRODUCT KEY

TYPICAL PRODUCT KEY

FSM

2

JSM

L

S

TR

TYPE

FSM

TACTILE SWITCH 6X6mm

ACTUATION LENGTH

|   |             |    |              |
|---|-------------|----|--------------|
| 2 | 4.3mm(.169) | 8  | 9.5mm(.374)  |
| 4 | 5.0mm(.196) | 14 | 13.0mm(5.12) |
| 6 | 7.0mm(.276) |    |              |

VERSION

JSM

SURFACE MOUNT VERSION

ACTUATION FORCE

|    |                    |    |                     |
|----|--------------------|----|---------------------|
| XL | 0.7±0.3N (70±3gf)  | A  | 1.6±0.5N (160±50gf) |
| L  | 1.0±0.3N (100±3gf) | AA | 2.6±0.5N (520±50gf) |

SWITCHING DOME

S

STEEL DOME

PACKAGING

BLANK

BULK

TR

TAPE & REEL

1977223

B

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm [INCHES]

TOLERANCES, UNLESS OTHERWISE SPECIFIED:

|        |     |   |            |
|--------|-----|---|------------|
| 0      | PLC | ± | -          |
| 1      | PLC | ± | -          |
| 2      | PLC | ± | 0.30[.012] |
| 3      | PLC | ± | -          |
| 4      | PLC | ± | -          |
| ANGLES |     | ± | 1°         |

MATERIAL

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FINISH

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DWN  
M.BINNER  
07NOV2007

CHK  
M.SARVER  
07NOV07

APVD  
M.SARVER  
07NOV07

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

TE Connectivity Ltd.

MICRO MINIATURE PUSHBUTTON SWITCH FSM JSM

SIZE  
A2

CAGE CODE  
00779

DRAWING NO  
C=1977223

RESTRICTED TO  
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SCALE  
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SHEET  
3 OF 3

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B2

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