REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A5	REVISED PER ECO-16-018632	05APR2017	SK	PO

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
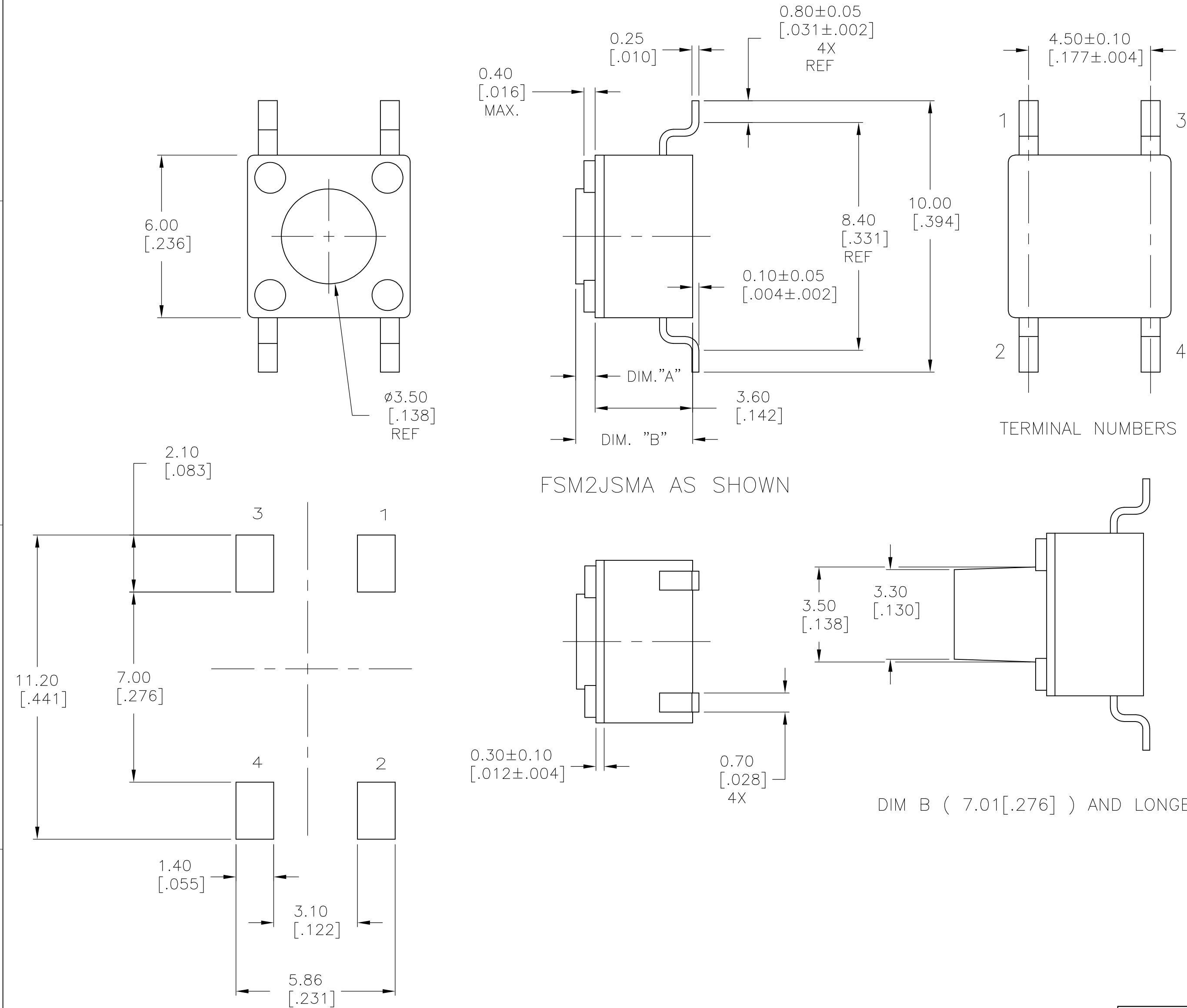LIFE EXPECTANCY, 1,000,000 CYCLES

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

0.80±0.05
[.031±.002]
4X
REF

0.25
[.010]

0.40
[.016]
MAX.

4.50±0.10
[.177±.004]

10.00
[.394]

8.40
[.331]
REF

0.10±0.05
[.004±.002]

6.00
[.236]

ø3.50
[.138]
REF

DIM."A"

3.60
[.142]

DIM. "B"

TERMINAL NUMBERS

FSM2JSMA AS SHOWN

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)

2.10
[.083]

11.20
[.441]

7.00
[.276]

0.30±0.10
[.012±.004]

0.70
[.028]
4X

3.50
[.138]

3.30
[.130]

1.40
[.055]

3.10
[.122]

5.86
[.231]

DIM B (7.01[.276]) AND LONGER MODELS

1977223

( )-INDICATES MOMENTARY POSITION

CIRCUIT CHARACTERISTICS

CONTACT POSITION		CIRCUIT DIAGRAM
OFF	(ON) 1 - 3 2 - 4	1 3 2 4

DWN	M.BINNER	07NOV2007
CHK	M.SARVER	07NOV07
APVD	M.SARVER	07NOV07

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

PRODUCT SPEC —
APPLICATION SPEC —

MATERIAL —
FINISH —

WEIGHT 0

≡TE   TE Connectivity

NAME
MICRO MINIATURE PUSHBUTTON
SWITCH FSM JSM

SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
A2	00779	C-1977223		—

CUSTOMER DRAWING

SCALE 8:1   SHEET 1 of 2   REV A5

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	−	SEE SHEET 1	−	−	−

Note	Life Cycle	Actuator Color	Actuator Material	Actuation Force	PITCH	TAPE WIDTH	DIM B	DIM A	T&B P/N	P/N
	1,000,000	DEEP PINK	Nylon	260±50g			13.00±0.20[.512±.008]	9.40±0.10[.370±.004]	FSM14JSMAAS	2-1977223-9
	1,000,000	GREEN	Nylon	260±50g			13.00±0.20[.512±.008]	9.40±0.10[.370±.004]	FSM14JSMAS	2-1977223-8
	1,000,000	BLUE	Nylon	100±30g			13.00±0.20[.512±.008]	9.40±0.10[.370±.004]	FSM14JSMLS	2-1977223-7
	1,000,000	DEEP PINK	Nylon	260±50g	12 MM	24 MM	9.50±0.20[.374±.008]	5.89±0.10[.232±.004]	FSM8JSMAASTR	2-1977223-6
OBSOLETE	1,000,000	DEEP PINK	Nylon	260±50g			9.50±0.20[.374±.008]	5.89±0.10[.232±.004]	FSM8JSMAAS	2-1977223-5
	1,000,000	GREEN	Nylon	160±50g	12 MM	24 MM	9.50±0.20[.374±.008]	5.89±0.10[.232±.004]	FSM8JSMASTR	2-1977223-4
OBSOLETE	1,000,000	GREEN	Nylon	160±50g			9.50±0.20[.374±.008]	5.89±0.10[.232±.004]	FSM8JSMAS	2-1977223-3
	1,000,000	BLUE	Nylon	100±30g	12 MM	24 MM	9.50±0.20[.374±.008]	5.89±0.10[.232±.004]	FSM8JSMLSTR	2-1977223-2
OBSOLETE	1,000,000	BLUE	Nylon	100±30g			9.50±0.20[.374±.008]	5.89±0.10[.232±.004]	FSM8JSMLS	2-1977223-1
	1,000,000	DEEP PINK	Nylon	260±50g	12 MM	24 MM	7.01±0.20[.276±.008]	3.40±0.10[.134±.004]	FSM6JSMAASTR	2-1977223-0
	1,000,000	DEEP PINK	Nylon	260±50g			7.01±0.20[.276±.008]	3.40±0.10[.134±.004]	FSM6JSMAAS	1-1977223-9
OBSOLETE	1,000,000	GREEN	Nylon	160±50g	12 MM	24 MM	7.01±0.20[.276±.008]	3.40±0.10[.134±.004]	FSM6JSMASTR	1-1977223-8
OBSOLETE	1,000,000	GREEN	Nylon	160±50g			7.01±0.20[.276±.008]	3.40±0.10[.134±.004]	FSM6JSMAS	1-1977223-7
	1,000,000	BLUE	Nylon	100±30g	12 MM	24 MM	7.01±0.20[.276±.008]	3.40±0.10[.134±.004]	FSM6JSMLSTR	1-1977223-6
	1,000,000	BLUE	Nylon	100±30g			7.01±0.20[.276±.008]	3.40±0.10[.134±.004]	FSM6JSMLS	1-1977223-5
OBSOLETE	1,000,000	VIOLET	Nylon	70±30g	12 MM	16 MM	4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMXLSTR	1-1977223-4
OBSOLETE	1,000,000	VIOLET	Nylon	70±30g			4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMXLS	1-1977223-3
OBSOLETE	1,000,000	DEEP PINK	Nylon	260±50g	12 MM	16 MM	4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMAASTR	1-1977223-2
OBSOLETE	1,000,000	DEEP PINK	Nylon	260±50g			4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMAAS	1-1977223-1
	1,000,000	GREEN	Nylon	160±50g	12 MM	16 MM	4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMASTR	1-1977223-0
	1,000,000	GREEN	Nylon	160±50g			4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMAS	1977223-9
SUPERCEDED BY 1571563-8	1,000,000	BLUE	Nylon	100±30g	12 MM	16 MM	4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMLSTR	1977223-8
SUPERCEDED BY 1571563-7	1,000,000	BLUE	Nylon	100±30g			4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMLS	1977223-7
	1,000,000	DEEP PINK	Nylon	260±50g	12 MM	16 MM	4.29±0.20[.169±.008]	0.71±0.10[.028±.004]	FSM2JSMAASTR	1977223-6
	1,000,000	DEEP PINK	Nylon	260±50g			4.29±0.20[.169±.008]	0.71±0.10[.028±.004]	FSM2JSMAAS	1977223-5
	1,000,000	GREEN	Nylon	160±50g	12 MM	16 MM	4.29±0.20[.169±.008]	0.71±0.10[.028±.004]	FSM2JSMASTR	1977223-4
	1,000,000	GREEN	Nylon	160±50g			4.29±0.20[.169±.008]	0.71±0.10[.028±.004]	FSM2JSMAS	1977223-3
	1,000,000	BLUE	Nylon	100±30g	12 MM	16 MM	4.29±0.20[.169±.008]	0.71±0.10[.028±.004]	FSM2JSMLSTR	1977223-2
	1,000,000	BLUE	Nylon	100±30g			4.29±0.20[.169±.008]	0.71±0.10[.028±.004]	FSM2JSMLS	1977223-1

1977223

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN	M.BINNER	07NOV2007
CHK	M.SARVER	07NOV07
APVD	M.SARVER	07NOV07

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC   ± −
1 PLC   ± −
2 PLC   ± 0.30[.012]
3 PLC   ± −
4 PLC   ± −
ANGLES   ± 1°

PRODUCT SPEC —
APPLICATION SPEC —
MATERIAL −
FINISH −
WEIGHT —

ΞTE   TE Connectivity

NAME
MICRO MINIATURE PUSHBUTTON SWITCH FSM JSM

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1977223	−

CUSTOMER DRAWING

| SCALE 8:1 | SHEET 2 of 2 | REV A5 |

Mouser Electronics

Authorized Distributor

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[TE Connectivity](#):
  [1-1977223-4](#)