

LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A	ECO-07-022792	07NOV2007	MB	MS

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

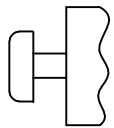
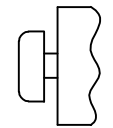
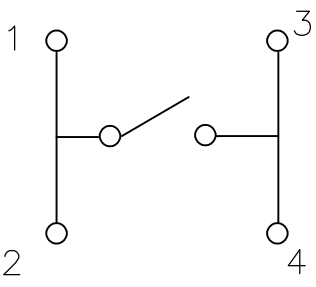
ELECTRICAL:
MAX CONTACT RATING, 50MILLIAMP@24V DC
MIN CONTACT RATING, 1MICROAMP@1V DC
CONTACT RESISTANCE, 100 MILLIOHMS MAX
INSULATION RESISTANCE, 100 MEGOHM MIN.
DIELECTRIC STRENGTH, 500 V AC FOR 1 MINUTE
LIFE EXPECTANCY, 1,000,000 CYCLES

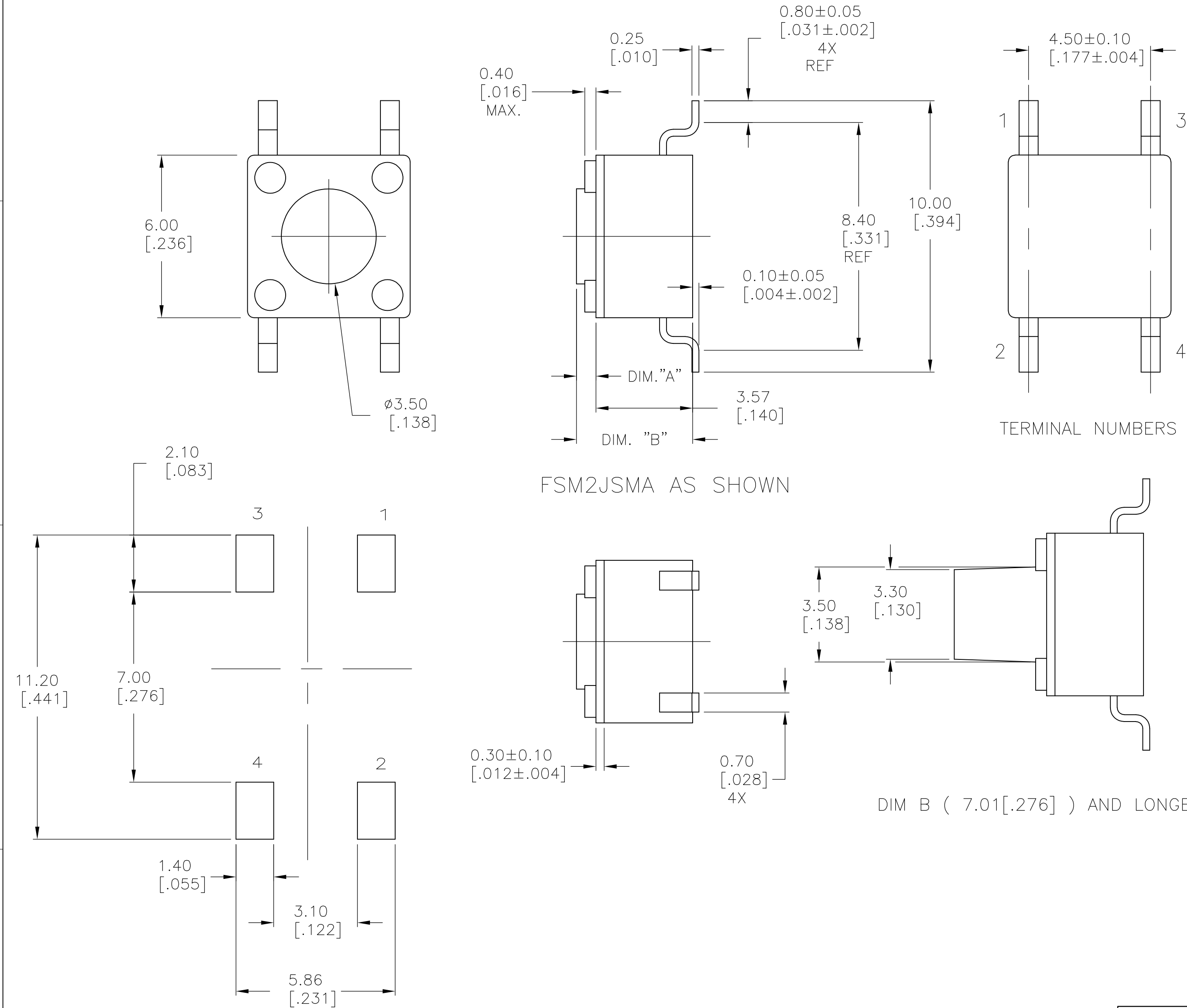
MECHANICAL:
ACTUATION FORCE, SEE P/N TABLE
ACTUATION TRAVEL, 0.25 +0.20/-0.10
LIFE EXPECTANCY, 1,000,000,
(2 CYCLES PER SECOND AND 150% ACTUATION FORCE)

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	(ON) 1 - 3 2 - 4	



FSM2JSMA AS SHOWN

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

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LOC		DIST		REVISIONS					
AD		00		P	LTR	DESCRIPTION	DATE	OWN	APVD
					—	SEE SHEET 1	—	—	—

1,000,000	DEEP PINK	Nylon	260±50g			13.00±0.10[.512±.010]	9.40±0.10[.370±.004]	FSM14JSMAAS	2-1977223-9
1,000,000	GREEN	Nylon	260±50g			13.00±0.10[.512±.010]	9.40±0.10[.370±.004]	FSM14JSMAS	2-1977223-8
1,000,000	BLUE	Nylon	100±30g			13.00±0.10[.512±.010]	9.40±0.10[.370±.004]	FSM14JSMLS	2-1977223-7
1,000,000	DEEP PINK	Nylon	260±50g	12 MM	24 MM	9.50±0.10[.374±.004]	5.89±0.10[.232±.004]	FSM8JSMAASTR	2-1977223-6
1,000,000	DEEP PINK	Nylon	260±50g			9.50±0.10[.374±.004]	5.89±0.10[.232±.004]	FSM8JSMAAS	2-1977223-5
1,000,000	GREEN	Nylon	160±50g	12 MM	24 MM	9.50±0.10[.374±.004]	5.89±0.10[.232±.004]	FSM8JSMATR	2-1977223-4
1,000,000	GREEN	Nylon	160±50g			9.50±0.10[.374±.004]	5.89±0.10[.232±.004]	FSM8JSMAS	2-1977223-3
1,000,000	BLUE	Nylon	100±30g	12 MM	24 MM	9.50±0.10[.374±.004]	5.89±0.10[.232±.004]	FSM8JSMLSTR	2-1977223-2
1,000,000	BLUE	Nylon	100±30g			9.50±0.10[.374±.004]	5.89±0.10[.232±.004]	FSM8JSMLS	2-1977223-1
1,000,000	DEEP PINK	Nylon	260±50g	12 MM	24 MM	7.01±0.10[.276±.004]	3.40±0.10[.134±.004]	FSM6JSMAASTR	2-1977223-0
1,000,000	DEEP PINK	Nylon	260±50g			7.01±0.10[.276±.004]	3.40±0.10[.134±.004]	FSM6JSMAAS	1-1977223-9
1,000,000	GREEN	Nylon	160±50g	12 MM	24 MM	7.01±0.10[.276±.004]	3.40±0.10[.134±.004]	FSM6JSMATR	1-1977223-8
1,000,000	GREEN	Nylon	160±50g			7.01±0.10[.276±.004]	3.40±0.10[.134±.004]	FSM6JSMAS	1-1977223-7
1,000,000	BLUE	Nylon	100±30g	12 MM	24 MM	7.01±0.10[.276±.004]	3.40±0.10[.134±.004]	FSM6JSMLSTR	1-1977223-6
1,000,000	BLUE	Nylon	100±30g			7.01±0.10[.276±.004]	3.40±0.10[.134±.004]	FSM6JSMLS	1-1977223-5
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
1,000,000	VIOLET	Nylon	70±30g			4.98±0.25[.196±.010]	1.40±0.10[.055±.004]	FSM4JSMXLS	1-1977223-3
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
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]	FSM4JSMATR	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
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
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±0.15[.169±.006]	0.71±0.10[.028±.004]	FSM2JSMAASTR	1977223-6
1,000,000	DEEP PINK	Nylon	260±50g			4.29±0.15[.169±.006]	0.71±0.10[.028±.004]	FSM2JSMAAS	1977223-5
1,000,000	GREEN	Nylon	160±50g	12 MM	16 MM	4.29±0.15[.169±.006]	0.71±0.10[.028±.004]	FSM2JSMATR	1977223-4
1,000,000	GREEN	Nylon	160±50g			4.29±0.15[.169±.006]	0.71±0.10[.028±.004]	FSM2JSMAS	1977223-3
1,000,000	BLUE	Nylon	100±30g	12 MM	16 MM	4.29±0.15[.169±.006]	0.71±0.10[.028±.004]	FSM2JSMLSTR	1977223-2
1,000,000	BLUE	Nylon	100±30g			4.29±0.15[.169±.006]	0.71±0.10[.028±.004]	FSM2JSMLS	1977223-1
Life Cycle	Actuator Color	Actuator Material	Actuation Force	PITCH	TAPE WIDTH	DIM B	DIM A	T&B P/N	Tyco P/N

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN <u>M. BINNER</u>		07NOV2007		 Tyco Electronics Corporation Harrisburg, Pa 17105-3608	
DIMENSIONS: mm [INCHES]		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		CHK <u>M. SARVER</u>		07NOV07	
		0 PLC ± - 1 PLC ± - 2 PLC ± 0.30[.012] 3 PLC ± - 4 PLC ± - ANGLES ± 1°		APVD <u>M. SARVER</u>		07NOV07	
		PRODUCT SPEC		NAME MICRO MINIATURE PUSHBUTTON SWITCH FSM JSM -			
		APPLICATION SPEC					
		-					
MATERIAL		FINISH		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
-		-		A2	00779	C=1977223	-
CUSTOMER DRAWING				SCALE	SHEET	REV	
				-	2 of 2	A	

D

C

1977223

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