

LOC	DIST	REVISIONS					
AD	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			C2	ECO-08-002663	30JAN08	MB	MS

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

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
CYCLES MIN

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 DEGREE

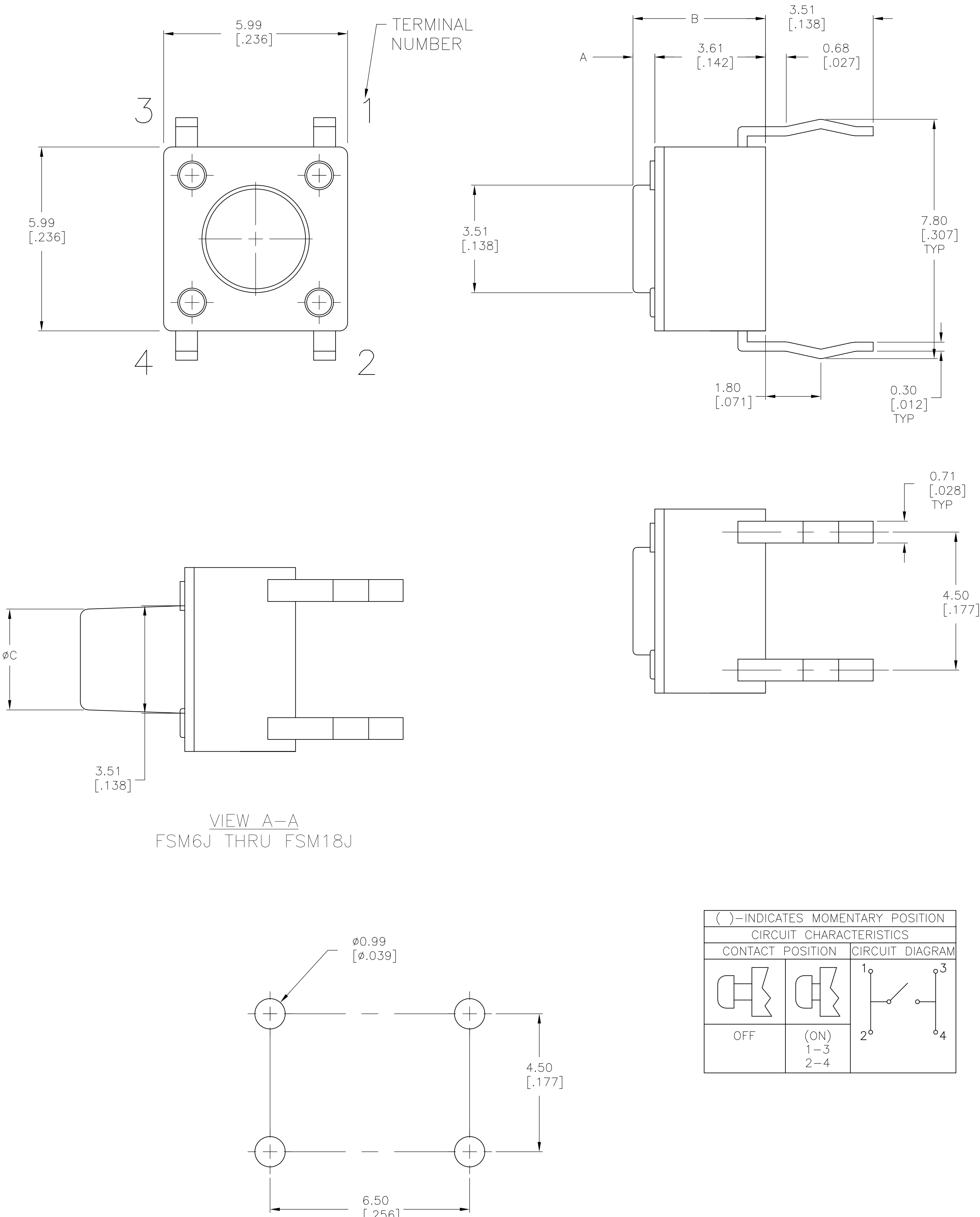
MINIMUM COVERAGE

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	YELLOW	520	+/-100	GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM18JAAH	3-1825910-7
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
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
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 (.118)	13.00 (.512)	9.40 (.370)	FSM14JAAH	2-1825910-9
NYLON 6/6	RED	260	+/-50	GF	2.87 (.118)	13.00 (.512)	9.40 (.370)	FSM14JAH	2-1825910-8
NYLON 6/6	BLACK	160	+/-50	GF	2.87 (.118)	13.00 (.512)	9.40 (.370)	FSM14JH	2-1825910-7
NYLON 6/6	BROWN	100	+/-50	GF	2.87 (.118)	13.00 (.512)	9.40 (.370)	FSM14JLH	2-1825910-6
NYLON 6/6	YELLOW	520	+/-100	GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM12JAAH	2-1825910-5
NYLON 6/6	BLACK	260	+/-50	GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM12JABH	2-1825910-4
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
NYLON 6/6	BROWN	100	+/-50	GF	3.20 (.126)	8.00 (.315)	4.40 (.173)	FSM12JLH	2-1825910-1
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
NYLON 6/6	BROWN	100	+/-50	GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM10JLH	1-1825910-7
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 6/6	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
PBT	BROWN	100	+/-50	GF	N/A	5.00 (.196)	1.40 (.055)	FSM4JLH	1825910-5
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	BLACK	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



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