

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
 DEF. EMPLOYMENT: 100,000 CYCLES MIN. (2.5 MV)

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

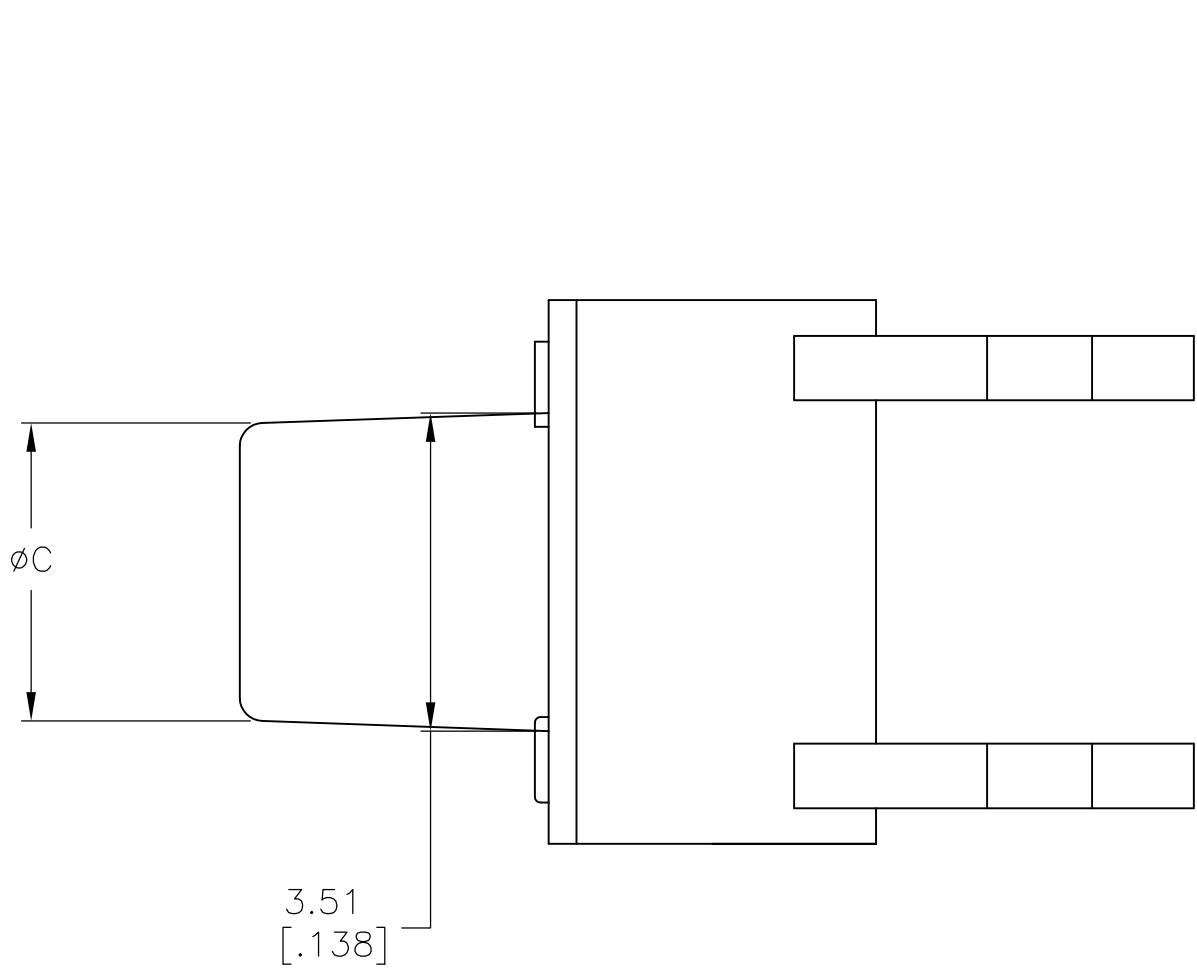
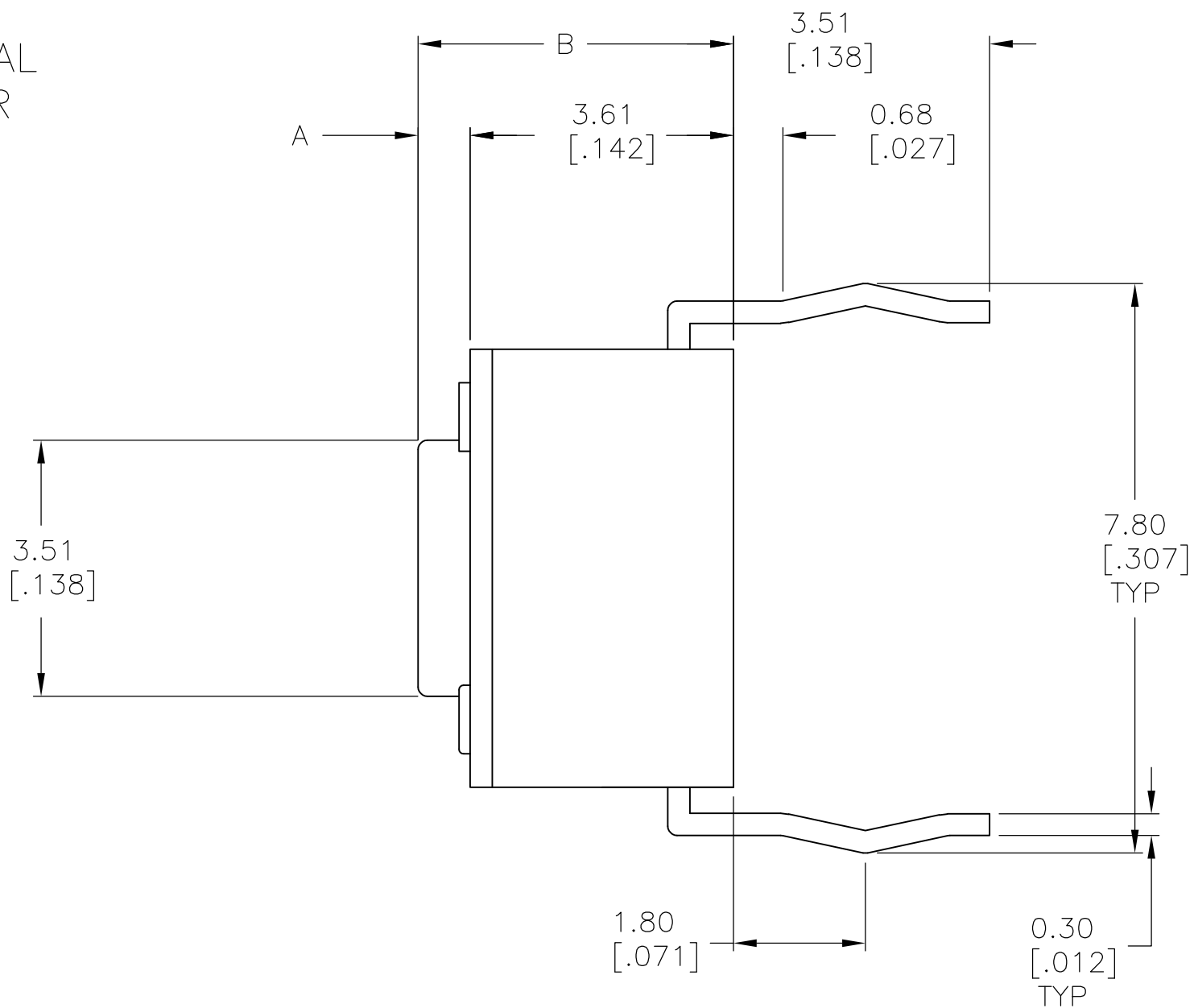
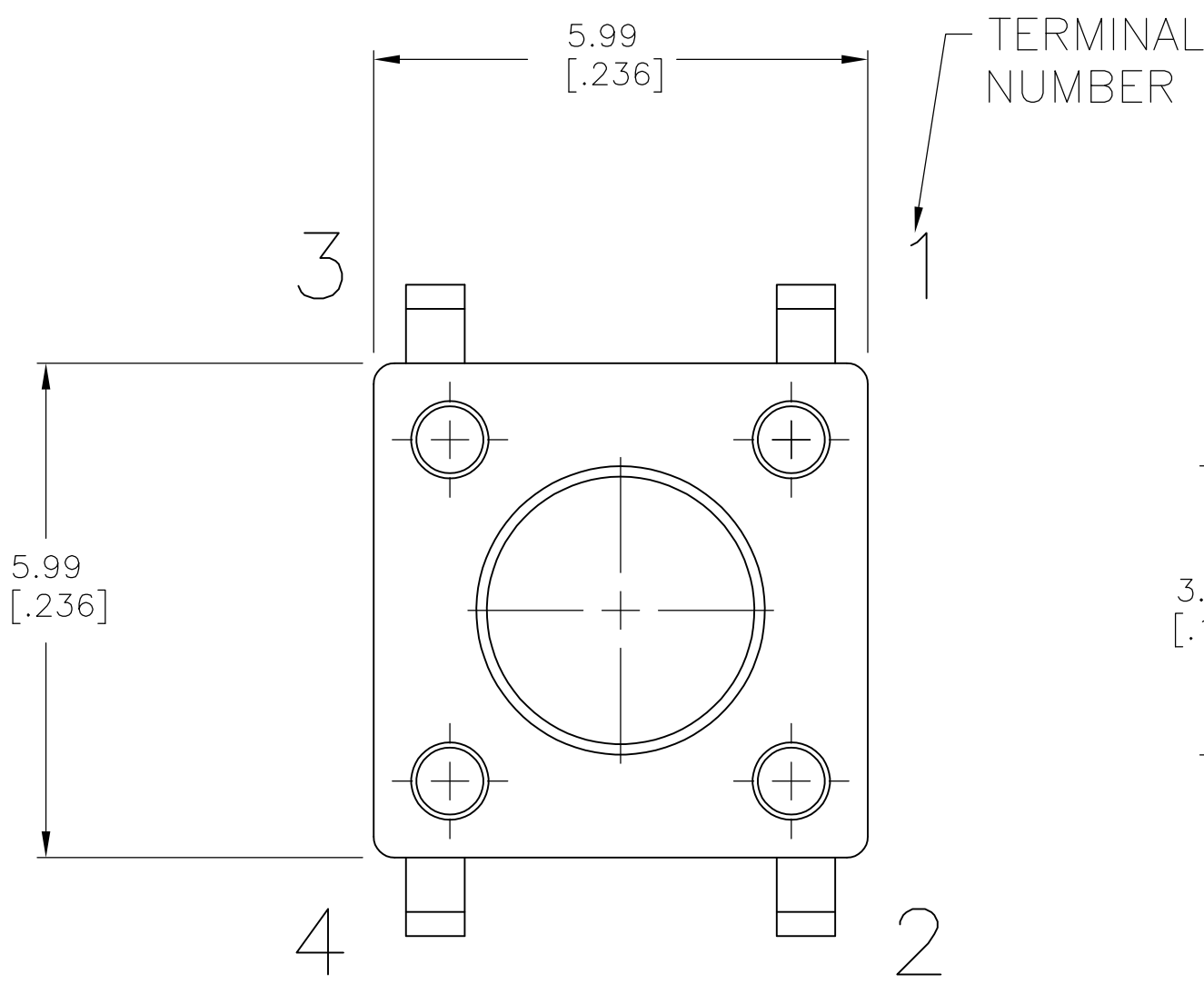
SOLDERABILITY, PER EIA-364-52, CLASS 2, CATEGORY 1, CATEGORY 2, 95%

MINIMUM COVERAGE

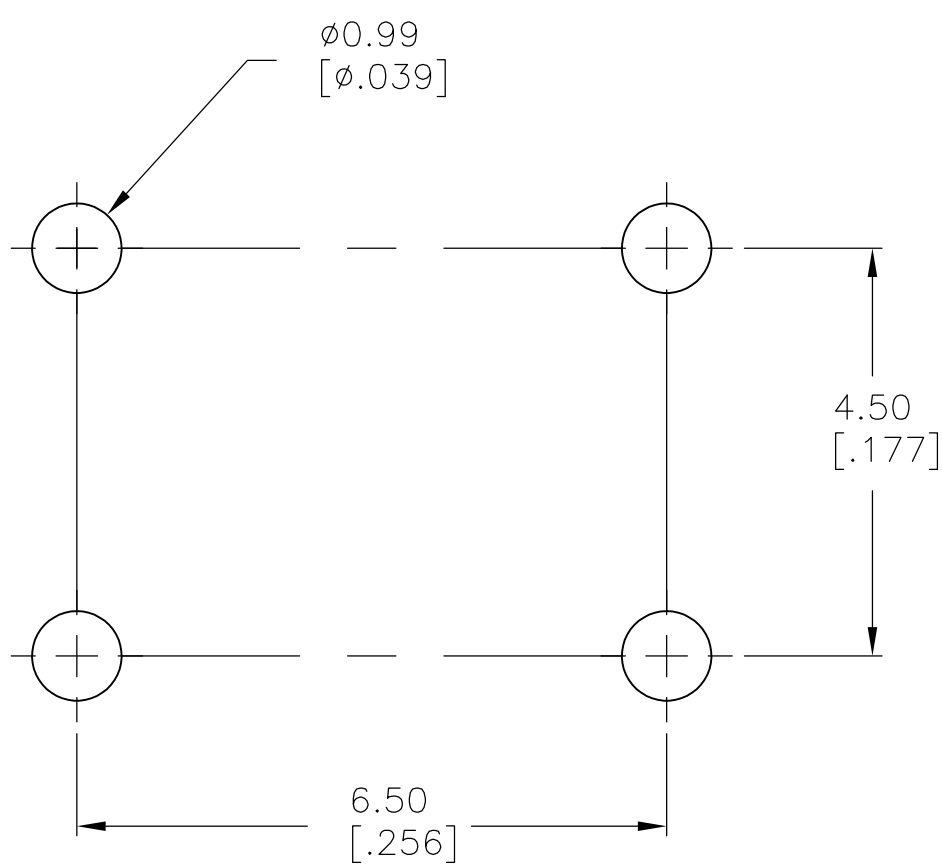
RESISTANCE TO SOLDER HEAT, PER 109-202, CONDITION E

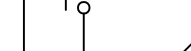
Notes:

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



VIEW A-A
FSM6J THRU FSM18J



()—INDICATES MOMENTARY POSITION			
CIRCUIT CHARACTERISTICS			
CONTACT POSITION		CIRCUIT DIAGRAM	
			
OFF	(ON) 1-3 2-4		

	NYLON 6/6	YELLOW	520 +/-100 GF	3.09 (.122)	8.50 (.335)	4.90 (.193)	FSM18JAAH	3-1825910-7
OBSELETE	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
OBSELETE	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
OBSELETE	NYLON 6/6	BROWN	100 +/-50 GF	3.25 (.128)	7.30 (.287)	3.70 (.146)	FSM10JLH	1-1825910-7
OBSELETE	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
OBSELETE	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
OBSELETE	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
OBSELETE	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

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