

## Bill of Materials (BOM)

**Table 1: Bill of Materials**

S.No.	Part	PCB Name	Value	Package	Qty
1	Ceramic Capacitor	C1, C2	47pF	0603	2
2	Ceramic Capacitor	C3, C4	10pF	0603	2
3	Ceramic Capacitor	C5, C8, C9, C11, C14	100nF	0603	5
4	Ceramic Capacitor	C6, C7	220nF	0603	2
5	Ceramic Capacitor	C10	470nF	0603	1
6	Tantalum Capacitor	C12, C13	10uF	B/3528-2R	2
7	Resistor	R1, R7	1k $\Omega$	0805	2
8	Resistor	R2, R3	27 $\Omega$	0805	2
9	Resistor	R4, R8	10k $\Omega$	0805	2
10	Resistor	R5	1M $\Omega$	0805	1
11	Resistor	R6	1.4K $\Omega$	0805	1
12	Resistor	R9	100 $\Omega$	0805	1
13	Male pin headers	JP1-JP2		1X14	2
14	Red LED	LED1, LED2		0805	2
15	Schottky Diode	D1(1N5819-B)		DO41-7.6	1
16	Microcontroller	MSP430F5510		LQFP48	1
17	Voltage Regulator	REG 1117-3.3		SOT223	1
18	USB Mini SMD	USB		USB-MINI B	1
19	Crystal	X1	8MHz	QS	1
20	Switch	RESET, BSL, USER		Omron 10-XX	3
21	MSP430 Puppy PCB				1