

Parts List				
	Parts	Qty.	Schematic	Tape
<b>MCU</b>	ATMEGA128RFA1	1	U1	On Package
	Cap. 0.1uF	1	C9	
	Cap. 1uF	4	C5 C6 C7 C8	
	Cap. 0.75pF	1	C2	
	Cap. 12pF	2	C3 C4	
	Cap. 22pF	1	C1	
	Antenna	1	A	
	Balun	1	B1	On Package
	Crystal	1	Y1	
	Switch	1	SW1	On Package
	R 10k ohm	1	R1	
	FTDI 6 Pin Jumper	1	JP1	On Package
	AVR 6 pin	1	J1	On Package
<b>IMU</b>	LSM9DS1	1	U2	On Package
	Cap. 0.01uF	1	C13	
	Cap. 0.1uF	3	C10 C12 C14	
	Cap. 10uF	1	C11	
	R 10k ohm	2	R2 R3	
<b>Power Supply</b>	Regulator	1	REG	On Package
	Cap. 1uF	2	C15 C16	
	2 pin Jumper	1	J2	On Package
<b>Motors</b>	MOSFET	4	Q1 Q2 Q3 Q4	
	Cap. 0.1uF	4	C21 C22 C23 C24	
	Cap. 220uF	4	C17 C18 C19 C20	
	Diode	4	D1 D2 D3 D4	
	R 100 ohm	4	R4 R6 R8 R10	
	R 10k ohm	4	R5 R7 R9 R11	
<b>Debugger</b>	10 pin Jumper	1	J3	On Package
<b>LEDs</b>	LED	2	D5 D6 D7	On Package
	R 100 ohm	3	R12 R13 R14	