

Transmitter	Part Number	Item Name	Item Description	Datasheet	Implemented
	296-28429-5-ND	MSP430	MCU	https://www.ti.com/lit/ds/symlink/msp430g2153.pdf?HQS=dis-dk-null-digikymode-dsf-pl-null-ww&ts=1682277417484&ref_url=https%3A%252F%252Fwww.ti.com%252Fgeneral%252Fdocs%252Fsupproductinfo.tsp%253Fdistid%253D10%2526gotoUrl%253Dhttps%3A%252F%252Fwww.ti.com%252Fti%252Fgpn%252Fmsp430g2153	YES
	XB24CZ7SIT-00	XBEE	Radio Module	https://www.digi.com/resources/documentation/digidocs/pdfs/90001500.pdf	YES
	672-MAX-8C-0C	UBLOX MAX-8	GPS Module	https://content.u-blox.com/sites/default/files/MAX-8_DataSheet_%28UBX-16000093%29.pdf	NO
	6 AA-6-AA-9V-Ba	Battery Holder	Power Supply		YES
	LM2574N-3.3/N	LM2574N-3.3/N	Buck Converter	https://rocelec.widen.net/view/pdf/vicoa9ibvg/NATL505789-1.pdf	YES
Receiver	Part Number	Item Name	Item Description	Datasheet	Implemented
	ESP32-WROOM	ESP-32	MCU	https://www.espressif.com/sites/default/files/documentation/esp32-wroom-32d_esp32-wroom-32u_datasheet_en.pdf	YES
	XB24CZ7SIT-00	XBEE	Radio Module	https://www.digi.com/resources/documentation/digidocs/pdfs/90001500.pdf	YES
	672-MAX-8C-0C	UBLOX MAX-8	GPS Module	https://content.u-blox.com/sites/default/files/MAX-8_DataSheet_%28UBX-16000093%29.pdf	NO
	1528-1062-ND	Stepper Motor	Motor	https://cdn-shop.adafruit.com/product-files/324/C140-A+datasheet.jpg	YES
	497-13892-1-ND	LIS3MDLTR	Magnetometer	https://www.st.com/content/ccc/resource/technical/document/datasheet/54/2a/85/76/e3/97/42/18/DM00075867.pdf/files/DM00075867.pdf/jcr:content/translations/en_DM00075867.pdf	NO
	DRV8811PWPR	Stepper Driver IC	Stepper Driver IC	https://www.ti.com/lit/ds/symlink/drv8811.pdf?HQS=dis-dk-null-digikymode-dsf-pl-null-ww&ts=1682278305945&ref_url=https%3A%252F%252Fwww.ti.com%252Fgeneral%252Fdocs%252Fsupproductinfo.tsp%253Fdistid%253D10%2526gotoUrl%253Dhttps%3A%252F%252Fwww.ti.com%252Fti%252Fgpn%252Fdrv8811	YES
	1470-Z239-5-ND	DC DC CONVERTER	Buck, 12V to 5V	https://www.ti.com/general/docs/supproductinfo.tsp?distid=268&gotoUrl=https://www.ti.com/lit/gpn/lm2594	YES
	LM2575T-3.3/NOPB	DC DC CONVERTER	Buck, 12V to 3.3V	https://www.ti.com/lit/ds/symlink/lm2575-n.pdf?HQS=dis-mous-null-mousermode-dsf-pl-null-ww&ts=1682278341561&ref_url=https%3A%252F%252Fwww.mouser.com%252F	YES
	MIC29150-12W	12V voltage regulator	Buck, 12V to 12V	https://www.mouser.com/datasheet/2/268/MIC2915x_30x_50x_75x_High_Current_Low_Dropout_Regu-1889172.pdf	YES
	GPY1.0	Pycom	WiFi Module	https://pycom.io/wp-content/uploads/2018/08/gpy-specsheet.pdf	YES
		12 V battery	Power Supply		YES
		Antenna v1	Antenna v1		
		Yagi Antenna	Antenna v2	https://www.amazon.com/Tupavco-TP512-Wi-Fi-Antenna-2-4GHz/dp/B008Z4DNFC?ref=psds_172504_i2_B008Z4I7WQ	