

Description	Digikey Catalog #	Qty[Per Board]	Cost Per Item	Total Cost	Board Cost:
Logic Chip	ATMEGA32U4-MURCT-ND	1	\$4.29	\$4.29	18.61
Oscillator	535-13370-1-ND	1	\$0.78	\$0.78	
Ferrite Choke	MH2029-300YCT-ND	1	\$0.10	\$0.10	
Reset Button	CKN10291CT-ND	1	\$0.28	\$0.28	
IMU	497-16910-1-ND	1	\$3.01	\$3.01	
Brushed Motor Driver	TB6612FNGC8ELCT-ND	1	\$2.11	\$2.11	
Level Shifter 4 Channel	296-40404-1-ND	1	\$1.22	\$1.22	
Diode	641-1677-1-ND	1	\$0.41	\$0.41	
LED Green	160-1887-1-ND	1	\$0.00	\$0.00	
LED Red	160-1427-1-ND	2	\$0.00	\$0.00	
LED Blue	160-1579-1-ND	1	\$0.00	\$0.00	
Resistor 10K	311-10.0KHRCT-ND	7	\$0.00	\$0.00	
Resistor 499	311-499HRCT-ND	4	\$0.00	\$0.00	
Resistor 200k	311-200KHRCT-ND	1	\$0.00	\$0.00	
Capacitor 100nF (.1uF)	311-1779-1-ND	7	\$0.00	\$0.00	
Capacitor 10pF	490-9682-1-ND	2	\$0.00	\$0.00	
Capacitor 1uF	399-7376-1-ND	3	\$0.00	\$0.00	
Capacitor 10uF	1276-2872-1-ND	7	\$0.00	\$0.00	
5V Reg	NCP1117DT50RKGOSCT-ND	1	\$0.46	\$0.46	
3V3 Reg	296-39066-1-ND	1	\$0.57	\$0.57	
1V8 Reg	NCP1117DT18RKGOSCT-ND	1	\$0.42	\$0.42	
Header Pins	S7047-ND	3	\$1.18	\$3.54	
Female Header Socket	S5674-ND	1	\$1.42	\$1.42	
Comms Module	NRF24L01+	1	\$0.00	\$0.00	
NOTE: ITEMS WITH A COST OF \$0 ARE READILY AVAILABLE AT OLIN AND NEED NOT BE PURCHASED					