Part Description	Part Number	Price per part	Build Quantity	Order Quanity	Part Subtotal	Supplier	Notes	Data Sheet URL	URL
Arduino Uno	A000073	$21.40	1	1	$21.40	Amazon		http://ww1.microchip.com/downloads/en/DeviceDoc/Atmel-7810-	https://www.amazon.com/ARDU
Raspberry Pi Model 3B+		$38.30	1	1	$38.30	Amazon		https://static.raspberrypi.org/files/product-briefs/Raspberry-Pi-Mo	https://www.amazon.com/ELEM
Samsung 32GB 95MB/s (U1) MicroSD EVO Select Memory Card with Adapter	MB-ME32GA/AM	$7.99	1	1	$7.99	Amazon			https://www.amazon.com/gp/pr
STMICROELECTRONICS STM32F3DISCOVERY EVAL KIT, STM32 F3 SERIES DISCOVERY	STM32F3DISCO	$31.50	1	1	$31.50	Amazon		https://www.st.com/content/ccc/resource/technical/document/us	https://www.amazon.com/STMI
ST-LINK/V2(CN Version) ST MCU Microcontroller STM8 STM32 JTAG SWD SWIM In-circuit Debugger Programmer Emulator @XYGStudy	-	$36.99	1	1	$36.99	Amazon	in-circuit debugger/programmer for STM8 and STM32	https://www.st.com/resource/en/data_brief/st-link-slsh-v2.pdf	https://www.amazon.com/Micro
Pololu 9.7:1 Metal Gearmotor 25Dx48L mm LP 12V with 48 CPR Encoder	3262	$34.95	2	4	$139.80	Polulu	has an integrated 48 CPR quadrature encoder	https://www.pololu.com/product/3262/specs	https://www.pololu.com/produc
Pololu 25D mm Metal Gearmotor Bracket Pair	2676	$7.45	1	1	$7.45	Polulu	Comes in a 2 pack	https://www.pololu.com/product/2676	https://www.pololu.com/produc
Blomiky 2 Pack 11.1V 3S 2200mAh 25C Lipo Battery Pack with T Deans Plug and Balance Charger for RC Airplane Helicopter Car RC Truck Boat Quadcopter T 11.1V 2200mAH 2	-	$36.99	1	1	$36.99	Amazon	Includes Charger. Used Dean T plug	Could not locate datasheet	https://www.amazon.com/Blom
Buck Boost Converter Display, DROK Buck-Boost Board DC 5.5-30V 12v to DC 0.5-30V 5v 24v Adjustable Constant Current Voltage Step UP Down Voltage Regulator 3A 35W Power Supply Module	-	$13.98	1	3	$41.94	Amazon	3 A version, buck/boost converter	https://images-na.ssl-images-amazon.com/images/I/C128U5Z2hGS	https://www.amazon.com/Conv
Adafruit Motor/Stepper/Servo Shield for Arduino v2.3 Kit	1438	$18.90	1	2	$37.80	Amazon		Datasheet for motor driver	https://www.amazon.com/Adafr
GY-521 MPU-6050 MPU6050 3 Axis Accelerometer Gyroscope Module 6 DOF 6-axis Accelerometer Gyroscope Sensor Module 16 Bit AD Converter Data Output IIC I2C	MPU6050	$5.79	1	3	$17.37	Amazon		http://www.haoyuelectronics.com/Attachment/GY-521/mpu6050.	https://www.amazon.com/MPU-
Pololu 1083 Universal Aluminum MOUNTING HUB for 6mm Shaft Pair, 4-40 Holes	43220-262879	$13.89	1	1	$13.89	Amazon	Adapter for motors to wheels	https://www.pololu.com/product/1083/specs	https://www.amazon.com/Polol
80 x 10mm Black Robot Wheels	595660	$11.99	1	1	$11.99	Amazon		https://www.pololu.com/product/1430/specs	https://www.amazon.com/80-10
Atomic Market HC-06 Bluetooth Serial Pass-Through Module Wireless Serial Communication Compatible with Arduino	HC-06	$8.99	1	1	$8.99	Amazon	MIGHT BE UNNECESSARY	https://www.olimex.com/Products/Components/RF/BLUETOOTH-S	https://www.amazon.com/Pass-
VETOMILE 6-way Fuse Box Blade Fuse Block Holder Screw Nut Terminal 5A 10A 15A 20A Free Fuses LED Indicator Waterpoof Cover for Automotive Car Marine Boat	-	$9.99	1	1	$9.99	Amazon	Uses ATC fuses	N/A	https://www.amazon.com/VETO
MICTUNING 100PCS ATC/ATO Assorted Standard Blade Fuse Set - (2A 3A 5A 7.5A 10A 15A 20A 25A 30A 35A) - Car Truck SUV Boat Automotive Replacement Fuses	MIC-ABF-146	$7.99	1	1	$7.99	Amazon	Includes lower current values such as 2A, 3A, 5A, 7.5A	https://www.littelfuse.com/~/media/automotive/datasheets/fuses	https://www.amazon.com/MICT
HVAZI 200pcs Metric M2.5 M3 304 Stainless Steel Hex Socket Head Cap Screws Assortment Kit	BTM25M3200P	$11.99	1	1	$11.99	Amazon	M2.5, M3 Hex socket screw assortment	N/A	https://www.amazon.com/HVAZ
Hilitchi 180pcs M4 Stainless Steel Hex Socket Head Cap Screws Nuts Assortment Kit with Box (M4)	HSH180	$12.99	1	1	$12.99	Amazon	M4 Socket screw and m4 nut assortment	N/A	https://www.amazon.com/Hilitc
HVAZI 205pcs Metric M2.5 M3 M4 M5 M6 M8 M10 M12 Stainless Steel Nylon Hex Lock Nut Assortment Kit	FSLM205P	$14.90	1	1	$14.90	Amazon	Locknut assortment	N/A	https://www.amazon.com/HVAZ
	TOTAL FOR ONE UNIT			$360.52					
	TOTAL INCLUDING SPARE PARTS			**$510.26**					