

BOM-revised-missing-items-18.03.25

#	Value	Reference	Qty	DNP	SHOP
1	Arduino_Mega2560_R3_Shield	A1	1		
2	MPU6050	ACC1	1		
3	Buzzer	BZ1	1		
4	10uf Capcaitor	C1,C2,C3,C4,C5,C6,C7,C8	8		
5	100nF	C9	1		
6	1N4001	D1,D3,D4,D6,D7,D8,D9,D10	8		
7	3mm Green LED	D2,D5	2		
8	3mm Red LED	D11,D12,D13	3		
9	Heat sink	HS1,HS2,HS3,HS4	4		https://www.pixelelectric.com/more-categories/other-accessories/fans-heater-coolers/heat-sink-black-anodized-to-220/
10	DC Barrel Jack THT PCB mount	J1	1		https://www.pixelelectric.com/more-categories/electronic-components/led-plugs-connectors/plugs-connectors/dc-power-jack-2-1mm-barrel-type-pcb-mount/
11	u-sonic-1	J2	1		
12	u-sonic-2	J3	1		
13	u-sonic-3	J4	3		https://bluepacknova.com/product/ultrasonic-sensor/
16	3PIN Terminal block	J7	2		https://www.pixelelectric.com/electronic-components/led-plugs-connectors/plugs-connectors/kf301-3p-5-08mm-3-pin-connector-terminal/
17	2PIN terminal block	J8,J11,J13	3		
18	2 pin Terminal block	J9	3		https://www.pixelelectric.com/more-categories/electronic-components/led-plugs-connectors/plugs-connectors/kf301-2pin-straight-pin-pcb-screw-block/
20	SugarCube relay	K1,K2,K3	1		https://bluepacknova.com/product/5v-relay-1-channel/
24	ROBOT_WHEEL	M2	4	DNP	
22	BC547 transistor	Q2,Q3,Q4	5		https://store.nerokas.co.ke/SKU-845?search=bc547&description=true
23	500R resistor	R1,R2,R3,R5,R6	5		
24	10K resistor	R4	1		
26	push button pin	SW2	1		
27	LM7909_TO220	U1	1		https://www.pixelelectric.com/more-categories/electronic-components/passive-components/transistor-mosfet/l7809cv-high-power-voltage-regulator/
28	LM7812_TO220	U2	1		https://www.pixelelectric.com/more-categories/electronic-components/passive-components/transistor-mosfet/l7912cv-high-power-voltage-regulator/
29	LM7805_TO220	U3	1		https://www.pixelelectric.com/more-categories/electronic-components/passive-components/transistor-mosfet/l7905cv-high-power-voltage-regulator/
30	LM7806_TO220	U4	1		https://www.pixelelectric.com/more-categories/electronic-components/passive-components/transistor-mosfet/l7806cv-high-power-voltage-regulator/
31	NE06M GPS Module	U5	1		https://bluepacknova.com/product/gy-neo-6m-gps-active-ceramic-antenna-module/
32	L293D Motor driver chip	U6	4		
33	Heat shrink tubing 5mm		3 meters		
34	M3 philips screws		8		Source locally
35	1cm standoffs		8		Source locally
36	PCB Copper clads single side 20x15 cm		2		
37	Hydrogen peroxide		2 cans		
38	Dilute HCL		1 liter		
39	Male header pins single row 2.54mm pitch		8 strips		
40	20AWG copper wire		4 meters		
41	Soldering wire		5 meters		
42	Soldering flux		1 bottle		
43	Female header pins single row 2.54mm pitch		4 strips		https://bluepacknova.com/product/female-header-pin-2-0-mm/