BOM_Robian Main Board_20191012105248

ID	Name	Designator	Quantity	Unit Cost	Total Cost	
1	Diodes 1N4448	D4,D3,D2,D1,D5,D6,D7,D8	8	0	0	
2	640 Ohm	R18	1	0	0	
3	Regulator LM7805	U3,U16	2	20	40	
4	Bluetooth Module HC-05	U1	1	450	450	Optional
5	Header-Male-2.54_1x3	P2,P3	2	20	40	
6	Color Sensor	H1	1	350	350	
7	L298N Motor Driver IC	U4	1	150	150	
8	0.1u Capacitor	C1,C2	2	0	0	
9	Switch On/Off 6 Pin	SW1	1	10	10	
10	Arduino Nano	U2	1	500	500	Optional
11	Opto Couplers CYPC817C	U5,U6,U7,U8,U9,U10	6	10	60	
12	Headers	R_MOTOR,L_MOTOR,CHARGER,L_BATTERY,S_BATTERY	5	10	50	
13	Transistor 2N3904/2N222	Q1	1	0	0	
14	IR Sesnors	P1	1	40	40	
15	100 Ohm	R1	1	0	0	
16	4.7 kOhm	R2,R3,R16	3	0	0	
17	220 Ohm	R4,R5,R6,R7,R8,R9	6	0	0	
18	1.8 kOhm	R10,R11,R12,R13,R14,R15	6	0	0	
19	BUZZER 5V	BUZZER	1	40	40	
20	10 kOhm	R17	1	0	0	
21	Power	LED3	1	5	5	
				Total →	1735	