

SL NO	Name of the Component	Specification	Quantity	Components Picture
1	Raspberry Pi Pico (with cable USB A to Micro B) with soldered Head			
2	Resistor	220ohm, 0.25W 330ohm, 0.25W 470ohm,0.25W 2.2K, 0.25W 4.7K, 0.25W 10K, 0.25W	5 10 5 5 5 10 2	
3	Trimmer Potentiometer	10k	1	
4	Potentiometer	10k	1	





5	LED	RED 3mm diameter, generic  BLUE 3mm diameter, generic  YELLOW 3mm	6	
6	RGB LED (4 terminal)	diameter, generic  Common Cathode	2	
7	PIR sensor	HC-SR501	1	TIT
8	Breadboard	840 tie points	1	
9	Jumper wires(different colours)	Male to Male	30	





		Male to Female	30	
10	Electromagnetic Buzzer (Active Buzzer, small)	5V		
11	Piezo Buzzer (Active, Big)			
12	LDR (Photoresistor)	5mm	2	
13	Push Button Tactile Switch	6x6x5 mm	10	





14	Micro Servo Motor	SG90		
15	Joystick Module			
16	0.96-inch I2C OLED display(ssd 1306)	128 x 64	1	ME DE CLEA
17	Dual shaft BO motor with wheel	200 rpm	1	
18	Diode	1N4148	1	
19	Temperature and Humidity Sensor Module	DHT11 module	1	
20	I2C 16×2 LCD Display for Arduino with Presoldered  Male Header Pins	16×2 (HD44780 LCD)	1	AARBAAAAAA





21	I2C Module for 16x2 (1602) Character LCD with  Presoldered Male Header Pins			
22	Ultrasonic Sensor (4pin)	HC-SR04		
23	20 Pins Male Berg Strip Connector Header Pin	40Pins	1	
24	KY-021 mini magnetic reed switch module		1	
25	KY-034 7-colour flashing LED module	3 pins	ı	O Little of the
26	Simple thin magnet	12 x 2 magnet	1	
27	Transistor (NPN)	BC 108 2N2222 BC 548	2 2 2	





28	7 Segment Display - Common Cathode - 0.56 inch - Standard Size			
29	2 digit 7 segment display module (Common Cathode)	DC56-11EWA	2	
30	Analog Temperature Sensor	TMP36	2	
31	5v relay module		1	
32	KY-013 Analog Temperature Sensor Module	KY-013	1	
33	Digital Multimeter		1	
34	L298 2A Dual Motor Driver Module with PWM Control	2A	1	





35	9V alkaline Battery with snap connector			
36	Infra-Red (IR) Sensor Module		1	
37	IRL540 type MOSFET switch.	N-Channel		
38	BMP280 Barometric Pressure and Altitude Sensor I2C/SPI Module		1	
39	ESP-01 ESP8266 Serial WIFI Transceiver Module		1	
40	3.3V Adapter Board for 24L01 Wireless Module	ESP-01 breadboard adapter		
41	HC-05 Bluetooth Module		1	





42	Photo resistor Module	1	
43	Infrared IR Wireless Remote Transmitter and receiver Control Module		
44	ws2812b 5v LED Strip Individually Addressable 60 Pixels/m Non Waterproof + Controller (1/2 Meter 30 LEDs)	1	+

