

Component	Value	Type	Price	Supplier Name	Delivery Date
Resistors					
R1	47 Ω	1206	€ 6.01 (kit)	Shop910333112 Store	17/04/2021
R2-R5	330 Ω	1206			
R6	3.3 kΩ	1206			
R7-R11	4.7 kΩ	1206			
R12	5.6 kΩ	1206			
R13-R16	10 kΩ	1206			
R17-R19	27 kΩ	1206			
R20	100 kΩ	1206			
R21	470 kΩ	1206			
R22, R23	1 MΩ 1.5 kV	through-hole	€ 0.98	Sinuss	10/03/2021
R24, R25	4.7 MΩ 1.5 kV	through-hole	€ 3	Sinuss	10/03/2021
VR1, VR2	10 kΩ potentiometer	RM065 WH06-2	€ 0.20	ModuleFans	4/03/2021
Capacitors					
C1-C2	330 pF	0805	€ 0.64	Fei te Store	13/04/2021
C3-C13	22 nF	X2 10mm pitch	€ 1.50	Fantasy Electronics CO., Ltd	26/03/2021
C14-C17	100 nF 50 V	0805 X7R	€ 0.80	Fantasy Electronics CO., Ltd	26/03/2021
C18, C19	100 nF 630 V	1812	€ 1.28	Mau RON components company	26/03/2021
C20, C21	100 µF 16 V	2.4 mm pitch	€ 3.96	Channy Professional Tools	4/04/2021
Coil					
L1	47 µH	8 x 10 mm	€ 1.34	Ele-micro Store	26/03/2021
Semiconductors					
D1	100 V 450 mA	1N4148	€ 1.53 (kit)	Eiechip Official Store	16/04/2021
D2-D4	VBR = 6.4 V	SA5.0A	€ 0.82	Shop4998259 Store	26/03/2021
D5, D6	40 V 1 A	1N5819	€ 1.53 (kit)	Eiechip Official Store	16/04/2021
D7-D17	250 V 0.2 A	BAV21	€ 0.87	Chinese Super Electronic market	26/03/2021
LED1	2V 20 mA	Red LED 3 mm	€ 0.71	KY WIN ROBOT Store	4/04/2021
T1-T3	NPN transistor	BC547B	€ 0.62	IC chip Store	26/03/2021
T4, T5	60 V 200 mA NMOS	2N7000	€ 0.62	Fantasy Electronics CO., Ltd	26/03/2021
T6	100 V 1A NMOS	IRLD110PBF	€ 1.65	SzMzxy Audio Store	26/03/2021
IC1	NAND Schmitt Trigger	CD4093	€ 0.82	Fantasy Electronics CO., Ltd	26/03/2021
IC2	5 V out buck converter	173 010 578	€ 9.22	Sinuss	10/03/2021
IC3	I ² C Bus Extender	P82B715P	€ 0.68	YUXINYUAN-Technology Store	26/03/2021

IC4	8-Bit I/O Expander	PCF8574	€ 2.02	Si Tai&SH Circuit IC Store	26/03/2021
IC5	CMOS timer	ICM7555	€ 1.07	Fantasy Electronics CO., Ltd	26/03/2021
Diverse					
BZ1	Active Buzzer	7.62 mm pitch	€ 0.99	RoarKit Store	26/03/2021
K1	PCB terminal	2-pin 5 mm pitch	€ 0.55	Funny Room Decor Store	19/03/2021
K2, K3	Fuse holder	6 x 30	€ 0.98	Welcome to luke Store	26/03/2021
F1	500 mA	200 mil pitch	€ 2.60	House Grocery Store	28/04/2021
SW1-SW3	Dip switch	6 x 6 x 10	€ 1.17	WEIDILY STORE	26/03/2021
J1-J4	External Sensor	RJ45 socket	€ 1.55	xin cheng electronic	26/03/2021
ESP32	microcontroller	ESP32-DEVKITC	€ 3.27	SAMIORE Store	
G-M tube	380 V	GM M4011	€ 17.41	Jinan Huajin Machinery Parts Store	26/03/2021