

No.	Quantity	Comment	Designator
1		1 3kHz	BUZZER1
2		3 10uF	C1,C5,C6
3		2 100uF	C3,C4
4		1 SMAJ5.0A	D1
5		1 1N4148W	D2
6		1 LED-0603_B	D3
7		1 LED-0603_G	D4
8		1 MF-R050	F1
9		2 HC-PM200-4.3H-1X4PZ	J3,J4
10		2 Header-Female-2.54_1x1	J5,J6
11		1 HDR-M-2.54_2x5	J7
12		1 2.54mm 1x7 Pin Header	J8
13		1 AOM12864A0-1.3WW-A	OLED2
14		1 FS8205A	Q1
15		1 S8050_SOT_NPN	Q3
16		1 1k $\Omega$	R2
17		2 5.1k $\Omega$	R3,R4
18		2 330 $\Omega$	R5,R13
19		1 120 $\Omega$	R12
20		2 100 $\Omega$	R14,R15
21		1 KEY-2PINRESET	U1
22		1 TP4056X-42-ESOP8	U18
23		1 DW01	U19
24		1 AMS1117-3.3	U21
25		4 0.1uF/100V	U23,U25,U26,U27
26		1 BH-AA-B5BA034	U24
27		1 TYPE-C-31-M-12	USBC1
28		1 ESP32-WROOM	external module
29		1 W5500	external module
30		1 MAX-485	external module

Footprint	Value	Manufacturer Part	Manufacturer
BUZ-SMD_L9.6-W9.6-LS1	3kHz	FUET-9650B-5V	FUET(福声科技)
C0805	10uF	GRM21BR61H106KE43L	muRata(村田)
CAP-TH_BD8.0-P3.50-D0		100uF	
SMA_L4.3-W2.6-LS5.2-R1		SMAJ5.0A	
SOD-123F_L2.7-W1.6-LS3		1N4148W	ST(先科)
LED0603_BLUE		19-217/BHC-ZL1M2RY/3	EVERLIGHT(台湾亿光)
LED0603_GREEN		19-217/GHC-YR1S2/3T	EVERLIGHT(台湾亿光)
FUSE-TH_L9.0-W3.0-P5.1		MF-R050	BOURNS
HDR-TH_4P-P2.00-V-F		HC-PM200-4.3H-1x4PZ	HC(虹成电子)
HDR-TH_15P-P2.54-V-F-1		B-2200S15P-A120	Ckmtw(灿科盟)
HDR-F-2.54_2X5			
HDR-TH_7P_FH			
OLED-TH_7P-L35.4-W33.		AOM12864A0-1.3WW-A	Orient Display
TSSOP-8_L4.4-W3.0-P0.6		FS8205A	
S8050_SOT-23			
R0805	1kΩ	0805W8F1001T5E	UNI-ROYAL(厚声)
R0805	5.1kΩ	CR0805-FX-5101ELF	BOURNS
R0603		SC0805F3300F4ANRH	Sunway(信维通信)
R0603	120Ω	AC0805FR-7W120RL	YAGEO(国巨)
R1206	100Ω	CR1206-FX-1000ELF	BOURNS
KEY-SMD_L6.1-W3.7-P7.3		key-2pinRESET	null
SOP-8_L4.9-W3.9-P1.27-		TP4056X-42-ESOP8	TOPPOWER(南京拓微)
SOT-23-6_L2.9-W1.6-P0.8		DW01	Slkor(萨科微)
SOT-223-3_L6.5-W3.4-P2		AMS1117-3.3	AMS
C0805		0.1uF/100V	
BAT-SMD_BH-AA-B5BA03		BH-AA-B5BA034	MYOUNG(美阳)
USB-C_SMD-TYPE-C-31-M		TYPE-C-31-M-12	韩国韩荣
Dual-core Xtensa 32-bit	Wi-Fi + Bluetooth MCU	ESP32-WROOM-32	Espressif Systems
LQFP-48 (7x7)	3.3V or 5V	W5500_MODULE	Wiznet
SOIC-8	RS-485 Transceiver	MAX485ESA+	Maxim Integrated

Supplier Part	Supplier	JLPCB Price	
C391033	LCSC	0.075	
C440198	LCSC	0.0089	
C9900016884	LCSC	0.0053	
C132575	LCSC	0.0104	
C81598	LCSC	0.0015	
C72041	LCSC	0.0029	
C72043	LCSC	0.0027	
C208476	LCSC	0.0182	
C22436138	LCSC	0.0124	
C124408	LCSC	0.0351	
C178292	LCSC	0.0727	
		4.0362	
C5553722	LCSC	15	
C14212	LCSC	0.0236	
		4.0362	
C17513	LCSC	0.0003	
C204548	LCSC	0.0015	
C3152199	LCSC	0.0003	
C727984	LCSC	0.001	
C2077040	LCSC	0.0022	
C9900007721	LCSC	0.0001	
C2763448	LCSC	0.0274	
C359989	LCSC	0.0036	
C6186	LCSC	0.0232	
C9900010259	LCSC	0.0001	
C20606806	LCSC	0.2184	
C165948	LCSC	0.0242	
C205329	JLPCB	3.5	
C9900227168	LCSC	1.8	
C1656	LCSC	0.6	

[illegible]