



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF(104) 10% 50V	贴片电容	C1, C2, C5, C6, C7, C9, C11, C13, C15, C16, C17, C18, C26, C29, C31	LC-0805_C	0805 100nF(104) 10% 50V	15
22uF (226) 5% 50V	贴片电容	C3, C4	LC-0805_C	0805 22pF (220) 5% 50V	2
10uF (106) 10% 25V	贴片电容	C8	LC-0805_C	0805 10uF (106) 10% 25V	1
10uF(106) 10% 50V	贴片电容	C10, C12	LC-0805_C	0805 100nF(104) 10% 50V	2
2.2nF 10% 50V	贴片电容	C14	LC-0805_C	0805 100nF(104) 10% 50V	1
10P		C19, C20	LC-0805_C	CAP	2
0.1uF	Capacitor	C21, C22, C23, C24	LC-0805_C	CAP	4
10uF/16V	Electrolytic Capacitor	C25	LC-0805_C	ELECTRO1	1
22pF	Capacitor	C27, C28	LC-0805_C	CAP	2
22uF(226) 10% 50V	贴片电容	C30	CD B(3528)	0805 100nF(104) 10% 50V	1
SS34	肖特基二极管	D1, D4	SMA	SS34	2
LEDR		D2, D3, D5, D6	LED0805G	LED	4
ITR8307/S17/TR8(B)		D7, D8, D9, D10, D11	OPTO-SMD_ITR8307-S17-TR8-B-BL	ITR8307/S17/TR8(B)	5
BAT	jointbar	J1	XH2.54-LI-2P	SIP2	1
SIP3	jointbar	J2	HDR2.54-WI-3P	SIP3	1
Motor1	jointbar	J3	CONN-TH_1.25T-2A_1.25T-2A	SIP2	1
Motor2	jointbar	J4	CONN-TH_1.25T-2A_1.25T-2A	SIP2	1
HDR-1X7	7P接插件	JP1	HDR2.54-M-LI-7P	Header 7	1
3.3uH	小功率贴片电感	L1	IND-SMD_L4.6-W4.1	L	1
Bell	Electrical Bell	LS1	BELL	Bell	1
SI2301	P沟道场效应管	Q1	SOT23	SI2301	1
NPN_L		Q2	SOT-23_S8050	NPN_L	1
88K7Ω (88.7K) ±1%	贴片电阻	R1	LC-0805_R	0805 1KΩ (1001) 1%	1
10KΩ (103) ±1%	贴片电阻	R2, R10, R15, R19, R27, R28, R32, R33, R34, R38, R41, R44, R45	LC-0805_R	0805 1KΩ (1001) 1%	13
12KΩ (123) ±1%	贴片电阻	R3	LC-0805_R	0805 1KΩ (1001) 1%	1
1KΩ (1001) ±1%	贴片电阻	R4, R6, R12, R14, R20	LC-0805_R	0805 1KΩ (1001) 1%	5
20KΩ (223) ±1%	贴片电阻	R5	LC-0805_R	0805 1KΩ (1001) 1%	1
10KΩ (1002) ±1%	贴片电阻	R7	LC-0805_R	0805 10KΩ (1002) 1%	1
4K7Ω (472) ±1%	贴片电阻	R8, R9, R16	LC-0805_R	0805 1KΩ (1001) 1%	3
100R	贴片电阻	R11, R13, R17	LC-0805_R	0805 1KΩ (1001) 1%	3
0R		R18, R46	LC-0805_R	RES	2
330Ω (331) ±1%	贴片电阻	R21, R22, R23, R36, R37	LC-0805_R	0805 1KΩ (1001) 1%	5
75KΩ (753) ±1%	贴片电阻	R24, R25, R26, R39, R40	LC-0805_R	0805 1KΩ (1001) 1%	5
5.1KΩ (512) ±1%	贴片电阻	R29, R30, R31, R42, R43	LC-0805_R	0805 1KΩ (1001) 1%	5
1M		R35	LC-0805_R	RES2	1
SW_2		S1, S2, S3	TSW SMD-3*6*2.5	SW_2	3
SK12D07VG3		SW1	SW-TH_SK-12D07-VG3	SK12D07VG6	1
CH340N		U1	SOP8	CH340N	1
JDY-23A		U2	JDY-23A	JDY-23A	1
PW5300		U3	SOT23-6L	PW5300	1
MPU-6050_C24112		U4	QFN24	MPU-6050_C24112	1
XC6206		U5, U6	SOT-23_TL431	XC6206	2
WS2812B-B		U7, U9	LED-SMD_4P-L5.0-W5.0-TL_WS2812B-B	WS2812B-B	2
STM32F103C8T6		U8	STM32F103C8T6_IOP48	STM32F103C8T6	1
TB6612FNG,C,8,EL		U10	SSOP24	TB6612FNG,C,8,EL	1
TYPE-C 16PIN 2MD(073)		USB1	USB-C-SMD_TYPE-C-6PIN-2MD-073	TYPE-C 16PIN 2MD(073)	1
32.768K	晶振	Y1	OSC-3x10-WI-A	CRYSTAL	1
8MHz	Crystal	Y2	OSC HC-49S	XTAL	1