Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	贴片电容	C1, C4, C10, C11, C13, C14	0603-C	C	6
100nF	贴片电容	C2, C6, C7, C8, C12, C15, C16, C17, C18	0603-C	C	9
4.7uF	贴片电容	C3	0603-C	C	1
1uF	贴片电容	C5	0603-C	C	1
Type-c	U262-161N-4BVC11	CN1	Type-c 16pin	Type-c	1
SS34		D1, D3, D4	SS34-SMA	SS34	3
ESD-USB-2P	RClamp0522PATCT	D2	SLP2510P8-2P	ESD-USB-2P	1
1N4148	整流二极管	D5	1N4148W	1N4148W	1
JQC-3FF/005-1ZS(551)		K1	RELAY-TH_HF3FF-XX-1ZXX-XXX	JQC-3FF/005-1ZS(551)	1
KEY	KEY	key1	轻触开关侧按3*6*3.5	轻触开关3*6*3.6	1
2.2uH		L	L1	电感 4.2X4.4	L	1
LED	LED	LED1, LED2, LED3, LED4	LED-0603	LED	4
OV5640		OV1	FPC-SMD_P0.50-24P_XJ-FGS	OV5640	1
NMOS	N沟道 30V/4.2A	Q1, Q2, Q3	AO3400	AO3400	3
4.7K	贴片电阻	R1, R4, R6, R7, R12, R20	0603-R	R	6
10K	贴片电阻	R2, R11, R18, R21, R27	0603-R	R	5
100K	贴片电阻	R3	0603-R	R	1
22K	贴片电阻	R5	0603-R	R	1
3.3uH	贴片电阻	R8, R9, R15	0603-R	R	3
1K	贴片电阻	R10, R17, R26	0603-R	R	3
470R	贴片电阻	R13, R14	0603-R	R	2
5.1K	贴片电阻	R16, R19	0603-R	R	2
NC	贴片电阻	R22, R23	0603-R	R	2
33R	贴片电阻	R24, R25	1206-R	R	2
ESDA5V3L	ESDA5V3L	TVS1, TVS2, TVS3	ESDA5V3L	ESDA5V3L	3
M3406-ADJ		U1	M3406-ADJ	M3406-ADJ	1
ESP32-S3-WROOM-1U-N8R8		U2	WIRELM-SMD_ESP32-S3-WROOM-1U	ESP32-S3-WROOM-1U-N8R8	1
GH1.25-6P	GH1.25-4PWBPZ	U3, U7, U8	CONN-SMD_A1257WR-S-6P	GH1.25-6P	3
XC6228D282VR-G	输出类型: 固定输出 极性: 正 输出通道数: 1 最大输入电压: 5.5V 输出电压: 2.8V 压差: 305mV@(300mA) 输出电流: 300mA 电源纹波抑制比(PSRR): 80dB@(1kHz) 3.3V 定输出, Iout=300mA, Vin=5.5V(Max)	U4	XC6228D332VR-G	XC6228D282VR-G	1
XC6228D152VR-G	输出类型: 固定输出 极性: 正 输出通道数: 1 最大输入电压: 5.5V 输出电压: 2.8V 压差: 305mV@(300mA) 输出电流: 300mA 电源纹波抑制比(PSRR): 80dB@(1kHz) 3.3V 定输出, Iout=300mA, Vin=5.5V(Max)	U5	XC6228D332VR-G	XC6228D282VR-G	1
Battery		U6	锂电池焊盘	Battery	1
GH1.25-4P	GH1.25-4PWBPZ	U9	CONN-SMD_GH1.25-4PWBPZ	GH1.25-4P	1
LED-2835		U10, U11	LED-SMD_L3.5-W2.8-FD-2835_WHITE	LED-2835	2