Power

MCU

Devices

WORK

ALTIUM

Comment	Description	Designator	Footprint	LibRef	Quantity
2.2nF (222) 10% 50V	贴片电容	C1, C7, C8, C16, C22	0402_C	0402 2.2nF (222) 10% 50V	5
0.1uF (105) 10% 25V	贴片电容	C2, C17	0402_C	0402 1.0uF (105) 10% 25V	2
10uF (106) 20% 6.3V	贴片电容	C3, C5, C9, C10, C14	0402_C	0402 10uF (106) 20% 6.3V	5
100nF (104) 10% 16V	贴片电容	C4, C6, C11, C13, C15	0402_C	0402 100nF (104) 10% 16V	5
4.7uF (475) 20% 10V	贴片电容	C12	0402_C	0402 4.7uF (475) 20% 10V	1
22pF (220) 5% 50V	贴片电容	C18, C19, C20, C21	0402_C	0402 22pF (220) 5% 50V	4
白灯 0603	发光二极管	D1, D2, D3, D6	0603_LED_S1	0603 白灯	4
1N4148WS T4	二极管	D4, D5	SOD-323_L1.8-W1.3-LS2.5-RD	SOD-323 1N4148WS T4	2
ASMD0805-050		F1	F0805	ASMD0805-050	1
10uH		L1	IND-SMD_L3.0-W3.0_SWPA3010S	10uH	1
ESP-12E&F Module	ESP-12E&F Module	M1	ESP-12E&F Module	ESP-12E&F Module	1
Header 2	接插件	P1	HDR2X1_A	Header 2	1
Header 8X2A	接插件	P2, P4	HDR8X2_A1	Header 8X2A	2
Header 3X2	Header, 3-Pin, Dual row	P3	HDR2X3	Header 3X2	1
SS8050 Y1	三极管	Q1, Q2	SOT-23(SOT-23-3)	SOT-23 SS8050 Y1	2
SS8550 Y2	三极管	Q3	SOT-23(SOT-23-3)	SOT-23 SS8550 Y2	1
SI2302		Q4	SOT-23-3_L2.9-W1.3-P1.90-LS2.4-BR	SI2302	1
1.2KΩ (1201) ±1%	贴片电阻	R1	0402_R	0402 1.2KΩ (1201) 1%	1
10KΩ (1002) ±1%	贴片电阻	R2, R4, R5, R7, R19	0402_R	0402 10KΩ (1002) 1%	5
5.1KΩ (5101) ±1%	贴片电阻	R3, R8	0402_R	0402 5.1KΩ (5101) 1%	2
1KΩ (1001) ±1%	贴片电阻	R6, R9, R17, R20, R21, R22	0402_R	0402 1KΩ (1001) 1%	6
0Ω (0R0) ±1%	贴片电阻	R10, R12, R14, R16, R18, R24, R25, R26, R27, R28, R29, R30, R32, R37, R38	0402_R	0402 0Ω (0R0) 1%	15
3.9KΩ(3901) ±1%	贴片电阻	R11	0402_R	0402 3.9KΩ(3901) 1%	1
4.7KΩ (4701) ±1%	贴片电阻	R13, R15, R23	0402_R	0402 4.7KΩ (4701) 1%	3
22Ω (22R0) ±1%	贴片电阻	R31, R33	0402_R	0402 22Ω (22R0) 1%	2
1.5KΩ (1501) ±1%	贴片电阻	R34	0402_R	0402 1.5KΩ (1501) 1%	1
33KΩ (3302) ±1%	贴片电阻	R36, R39, R40	0402_R	0402 33KΩ (3302) 1%	3
100KΩ (1003) ±1%	贴片电阻	R41	0805_R	0805 100KΩ (1003) 1%	1
SW-SPDT	开关	S1	SWITCH_A1	SW-SPDT	1
TP4056	电池电源管理	U1	SOP-8_EP_150mil	TP4056_[C16581]	1
M24C64-RMN6TP	EEPROM	U2	SOIC-8_150mil	M24C64-RMN6TP	1
MS5611		U3	MS5611 - duplicate	MS5611	1
HWC5883L		U4	LPCC-16_L3.0-W3.0-P0.50-BL	HMC5883L	1
STM32F103CBT6	ARM	U5	LQFP-48_7x7x05P	STM32F103CBT6	1
HT7750SA		U6	SOT-23-5	HT7750SA	1
MPU-6050	传感器	U7	QFN-24_4x4x05P	MPU-6050	1
AMS1117-3.3_C369933		U8	SOT-223-3_L6.5-W3.4-P2.30-LS7.0-BR	AMS1117-3.3_C369933	1
MIC5205-3.3YM5		U9	SOT-23-5	MIC5205-3.3YM5	1
CH340G	USB	U10	SOIC-16_L9.9-W3.9-P1.27-LS6.0-BR	CH340G	1
TYPEC-304-BCP16		USB1	USB-C-SMD_TYPEC-304-BCP16	TYPEC-304-BCP16	1
XTAL	Crystal Oscillator	Y1	XTAL_socket	XTAL	1
8M	Crystal Oscillator	Y2	XTAL_socket	XTAL	1