









Comment	Description	Designator	Footprint	LibRef	Quantity
470uF/25V		C100	47UF/100V	CapSMT220u_16V 0805 22uF (226) 20%	
22uF (226) 20% 25V	贴片电容	C101 C102, C104, C109,	LC-0805_C	25V	
100nF (104) 10% 50V	贴片电容	C111, C112, C113, C114, C201, C202, C206, C305, C309	LC-0603_C	0603 100nF (104) 10% 50V	1
47pF (470) 5% 50V 47uF/100V	贴片电容	C103	LC-0603_C	0603 47pF (470) 5% 50V	
2.2uF (225) 10% 100V	贴片电容	C105 C106, C300, C302	47UF/100V LC-1206_C	CapSMT220u_16V 1206 2.2uF (225) 10% 50V	
100nF (104) 10% 100V	贴片电容	C107	LC-1206_C	1206 100nF (104) 10% 50V	
10uF (106) 10% 50V	贴片电容	C108	LC-1206_C	1206 10uF (106) 10% 50V	
10uF (106) ±10% 16V	钽电容	C110	LC-CASE-A_3216	3216 10uF (106) 10% 16V	
10uF (106) 10% 10V	贴片电容	C200, C203, C204, C205	LC-0603_C	0603 10uF (106) 10% 10V	
100pF (101) 5% 50V	贴片电容	C207, C208, C211	LC-0603_C	0603 100pF (101) 5% 50V	
1nF (102) 10% 50V	贴片电容	C209, C210, C212	LC-0603_C	0603 1nF (102) 10% 50V	
2.2uF (225) 10% 16V	贴片电容	C213, C403	LC-0603_C	0603 2.2uF (225) 10% 16V	
220uF/100V		C301, C303	220UF/100V	CapSMT220u_16V	
4.7uF (475) 10% 25V	贴片电容	C304, C306, C307	LC-0805_C	0805 4.7uF (475) 10% 25V	
4.7uF (475) 10% 25V	贴片电容	C308	LC-0603_C	0603 4.7uF (475) 10% 16V	
22pF (220) 5% 50V	贴片电容	C400, C401	LC-0603_C	0603 22pF (220) 5% 50V	
100nF (104) 10% 50V	贴片电容	C402, C404, C405, C406, C407, C408, C500	0603_C	0603 100nF (104) 10% 50V	
SS310	二极管	D100	LC-SMA(DO- 214AC) S1	SMA(DO-214AC) SS54	
SMF12A		D101	SMF12A - duplicate	SMF12A	
SS510		D102, D104	SS510 LC-SMB(DO-	SS510 SMB/DO-214AA	
SMAJ75CA	TVS	D103	214AA)_S1	P6SMB6.8CA	
绿灯 0603	发光二极管	D105, D106, D402	LC-0603_LED_S1	0603 绿灯	
1N4148WS T4	二极管	D200, D201, D202, D203, D300, D301, D302, D303, D304, D305	LC-SOD-323	SOD-323 1N4148WS T4	1
DSK110	二极管	D306, D307, D308	DSK110	SMA(DO-214AC) SS54	
SS54	二极管	D400	SMA(DO-214AC)_S1	SMA(DO-214AC) SS54	
红灯 0603	发光二极管	D401	LC-0603_LED_S1	0603 紅灯	
CON5 KF2510-5A		J302 J400	7.62-5P 端子 KF2510-5A	CON5 KF2510-5A	
USB MINI		J401	USB_MINI	USB MINI	
47uH/0650 8MHZ-5032		L100, L101 OSC400	0650_47uH 8MHZ-5032	Inductor 8MHZ-5032	
Header 4	Header, 4-Pin	P400	HDR1X4	Header 4	
Header 7 Header 12X2	Header, 7-Pin Header, 12-Pin, Dual	P500 P501	HDR1X7 HDR2X12	Header 7 Header 12X2	
IRFS3607TRLPBF	row	Q300, Q301, Q302,	TO-263-2	IRFS3607TRLPBF	
301KΩ ±1%	贴片电阻	Q303, Q304, Q305 R100	LC-0603_R	0603 330KΩ (3303)	
22Ω (22R0) ±1%	贴片电阻	R101, R300, R301, R302, R309, R310,	LC-0603_R	1% 0603 22Ω (22R0) 1%	
23.7KΩ (1502) ±1%	贴片电阻	R311 R102	LC-0603_R	0603 15KΩ (1502)	
30mΩ ±1%	贴片电阻	R103	LC-0603 R	1% 0603 100KΩ (1003)	
10KΩ (1002) ±1%	贴片电阻	R104, R105, R402,	LC-0603_R	1% 0603 10KΩ (1002)	
OΩ (0R0) ±1%	贴片电阻	R403, R404 R106	LC-0603_R	1% 0603 0Ω (0R0) 1%	
220Ω (2200) ±1%	贴片电阻	R200	LC-0603_R	0603 220Ω (2200) 1%	
12KΩ (1202) ±1%	贴片电阻	R201, R202, R213, R214, R216, R219, R220, R225	LC-0603_R	0603 12KΩ (1202) 1%	
1KΩ (1001) ±1%	贴片电阻	R220, R225 R203, R204, R205, R206, R209, R210, R211, R212, R215, R217, R218, R221, R223, R224, R226	LC-0603_R	0603 1KΩ (1001) 1%	1
100Ω (1000) ±1%	贴片电阻	R207, R208, R222	LC-0603_R	0603 100Ω (1000) 1%	
51KΩ (5102) ±1%	贴片电阻	R303, R304, R305, R312, R313, R314	LC-0603_R	0603 51KΩ (5102) 1%	
20KΩ (2002) ±1%	贴片电阻	R306, R307, R308	LC-0603_R	0603 20KΩ (2002) 1%	
R02 0.02Ohm 1% 2512		R315, R316, R317	R2512	Res10K	
10KΩ (1002) ±1%	贴片电阻	R400, R500, R501	0603_R	0603 10KΩ (1002) 1%	
1MΩ (1004) ±1%	贴片电阻	R401	LC-0603_R	0603 1MΩ (1004) 1%	
KEY	白色方块	S400, S401, S402, S403 T100, T101, T102,	KEY_WHITE	KEY	
Test		T200, T201, T202, T203, T204	Testpoint	TestPad	
TX4139		U100	ESOP8 LC-SOT-23(SOT-23-	TX4139	
ME432AXG	电压基准	U200	3)	CJ431 0.5%431	
LMV358 74HC74	通用运放	U201, U202 U300	TP2412-SR SOIC-14	LM358DR2G 74HC14	
EG2133		U301	TSSOP20	EG2133	
STM32F401RET6		U400 U401	STM32F401RET6 CH340N	STM32F401RET6 CH340N	
		IO401			
CH340N		U500	SOIC8	AT24C256	
CH340N AT24C256 AMS1117-5.0	低压差线性稳压 (LDO)	U500 VR100	LC-SOT-223	AT24C256 SOT-223 AMS1117- 5.0	