

Value	Comment	Description	Designator	Footprint	LibRef	Quantity
470u	470u/35V	Polarized Capacitor (Surface Mount)	C1, C6	C1007	Cap Pol3	2
470uF	470u/10V	Polarized Capacitor (Surface Mount)	C2, C3, C5, C7, C8	SMC	Cap Pol3	5
	0.01uf	Capacitor	C4, C13, C15	0805	CAP	3
470uF	470u/10V	Polarized Capacitor (Surface Mount)	C9	CC6.56.5	Cap Pol3	1
	220uf	Capacitor	C12, C14	SMC	CAPACITOR	2
22pF	22pF	Capacitor	C16, C17, C18, C19	0805	Cap	4
10uF	10uF	Capacitor	C20, C26	0805	Cap, Cap2	2
0.1uF	0.1uF	Capacitor	C21, C22, C23, C24, C25, C31, C32, C34, C35, C36, C37	0805	Cap	11
18pF	18pF	Capacitor	C27, C28	0805	Cap	2
10pF	10pF	Capacitor	C29, C30	0805	Cap	2
	B360A	Default Diode	D1, D2, D13	B360A	Diode	3
	LED		D3, D4	LED_side	LED	2
	P6SMBJ6.8CA	Schottky Diode	D7, D8, D9	DO-2144AA	D Schottky	3
	保险丝	Fuse	F1	1812	Fuse 1	1
	D Connector 9	Receptacle Assembly, 9 Position, Right Angle	J1, J3	DB9P	D Connector 9	2
	boot	Header, 3-Pin	J2	HDR1X3	Header 3	1
33uH	33uH	Inductor,3A	L1, L3	L0630	Inductor	2
10uH	10uH	Inductor	L5	0805	Inductor	1
	UART	Header, 3-Pin	P1, P5, POWER	HDR1X3	Header 3	3
	BD-TEST	Header, 3-Pin	P2, P4	HDR1X3	MHDR1X3	2
			P3	H2_5.08_side	PWR	1
	STLINK	Header, 3-Pin	P6	HDR1X3	Header 3	1
	RS485	Header, 4-Pin	P485	H4_3.81	Header 4	1
	Header 9	Header, 9-Pin	Psd	HDR1X9	Header 9	1
	2.2k		R0	0805	RES2	1
	1k	[NoValue], Resistor, Resistor, Resistor	R1, R2, R4, R8, R13	0805	RES2	5
1M	1M	Resistor	R3	0805	Res2	1
10	10	Resistor	R6, R14	0805	Res2	2
2.7k	2.7k	Resistor	R7	0805	Res2	1
50	50	Resistor	R9, R10, R11, R12	0805	Res2	4
47K	47k	Resistor	R15, R16, R17, R18, R22, R23	0805	Res2	6
	120	Resistor	R24	0805	Res2	1
	KEY_M		RET	KEY_90	KEY_M	1
	LM2596S-5.0	5V稳压芯片	U1, U2	936A-02	LM2596S-5.0	2
	AMS1084		U3	TO-252	AMS117	1
	STM32F103RCT6		U4	LQFP64_N	STM32F103RDT6	1
	EN28J60		U5	SSOP28	EN28J60	1
	MAX3232ESE	3.0V TO 5.5V, Low-Power, up to 1Mbps, True RS-232 Transceiver Using Four 0.1μ External Capacitor	U6	NSO16_N	MAX3232ESE	1
	SIM800C		U7	PCBComponent_1	Component_1	1
	sd card		U8	MICRO-SD	sd card	1
	MAX3485		U9	NSO8_M	MAX1487E	1
	WH-LTE-7S4		U10	WH-LTE-7S4	WH-LTE-7S4	1
	HR911105A		WAN1	HR911105A	HR911105A	1
	32.768kHz	Crystal Oscillator	Y0	XTAL-B	XTAL	1
	8MHz	Crystal Oscillator	Y1	贴片晶振	XTAL	1
	25MHz	Crystal Oscillator	Y3	4P-Crystal	XTAL	1