Comment	Description	Designator	Footprint	PN	Quantity	Value	备注
CAP	Capacitor	C4, C5, C7_P1, C7_P2, C7_P3, C7_P4, C9_P1, C9_P2, C9_P3, C9_P4, C19_P1, C19_P2, C19_P3, C19_P4, C21, C36, C37, C38, C40, C41, C42, C44, C45, C46, C56	C0402		25	0.1uF	
CAP	Capacitor	C8_P1, C8_P2, C8_P3, C8_P4, C15_P1, C15_P2, C15_P3, C15_P4	C0402		8	100pF	
CAP	Capacitor	C10_P1, C10_P2, C10_P3, C10_P4	C0402		4	5.6pF	
CAP	Capacitor	C11_P1, C11_P2, C11_P3, C11_P4	C0402		4	20pF	
CAP	Capacitor	C12_P1, C12_P2, C12_P3, C12_P4	C0402		4	12pF	
CAP	Capacitor	C13_P1, C13_P2, C13_P3, C13_P4	C0402		4	3.9pF	
CAP	Capacitor	C20	C0603		1	10uF	
CAP	Capacitor	C47, C55, C57, C126, C127, C128, C129	C0603		7	22uF	
CAP	Capacitor	C48	C0402		1	470pF	
CAP	Capacitor	C125	C0603		1	2.2uF	
LED	LED	D8	LED0603	XL-1608UGC-04	1		嘉立创
R		FB2_P1, FB2_P2, FB2_P3, FB2_P4, FB3	L0402		5	0R	
HEADER5	Header, 5-Pin	J1	HDR1X5	PM2.54-1*5	1		嘉立创
F.UL		J2_P1, J2_P2, J2_P3, J2_P4	20279-001E-03	20279-001E-03	4		淘宝
IND	BEAD 120 ohm,	L1_P1, L1_P2, L1_P3, L1_P4	L0402	LQW15AN24NG80D	4	24nH	
IND	BEAD 120 ohm,	L2_P1, L2_P2, L2_P3, L2_P4	L0402	LQW15AN4N7C00D	4	12nH	
IND	BEAD 120 ohm,	L3_P1, L3_P2, L3_P3, L3_P4, L6_P1, L6_P2, L6_P3, L6_P4	L0402	LQW15AN4N7C00D	8	6.8nH	
IND		L5_P1, L5_P2, L5_P3, L5_P4	L0402	x	4	5.1nH	
IND		L11	SPM6530	EHE06031R5MHB	1	1.5uH	嘉立创
Header 12	Header, 12-Pin	P1	HDR1X12	PM2.54-YP1D-12A	1		嘉立创
TRANSISTOR	NPN Bipolar Tra	Q1_P1, Q1_P2, Q1_P3, Q1_P4	SO-23	MMBT2369A	4	NPN	旧板子
R	Resistor	R1, R3, R6_P1, R6_P2, R6_P3, R6_P4, R9_P1, R9_P2, R9_P3, R9_P4, R11, R30	R0402	ERJ-2RKF000X	12	0R	
R	Resistor	R2, R8, R10_P1, R10_P2, R10_P3, R10_P4, R12, R15_P1, R15_P2, R15_P3, R15_P4, R19, R20, R22,R27	R0402		15	4.7K	
R	Resistor	R4_P1, R4_P2, R4_P3, R4_P4, R7_P1, R31_P2, R31_P3, R31_P4	R0402		12	3.3K	
R	Resistor	R5_P1, R5_P2, R5_P3, R5_P4	R0402		4	6.8K	
R	Resistor	R13_P1, R13_P2, R13_P3, R13_P4, R16_P1, R16_P2, R16_P3, R16_P4, R17_P1, R17_P2, R17_P3, R17_P4, R18_P1, R18_P2, R18_P3, R18_P4, R22_P1, R22_P2, R22_P3, R22_P4	R0402		20	16R	
R	Resistor	R14	R0402		1	100K	
R	Resistor	R23_P1, R23_P2, R23_P3, R23_P4	R0402		4	68	
R	Resistor	R23, R24	R0402	ERJ-2RKF102X	2	18.2K	
R	Resistor	R25	R0402	ERJ-2RKF102X	1	137K	
R	Resistor	R39	R0402	ERJ-2RKF102X	1	1K	
GRF5509	Mixer	U4_P1, U4_P2, U4_P3, U4_P4	CP-16-3	GRF5509	4		旧板子
AP7333-33SAG	LDO	U5	SOT23	AP7333-33SAG-7	1		旧板子
FSK	FSK Transmitter	U6_P1, U6_P2, U6_P3, U6_P4	10uMax	MAX41463GUB+	4		旧板子
clock	si5351A-B QFN	U7	QFN16_3x3	SI5351A-B-GM1	1		旧板子
SN74LV4052AD	5-V, 4:1, 2-chan	U8	SOIC127P600X		1		嘉立创
TPS51388	Power Switch 89	U9	VAB0013A-MFG	TPS51388VABR	1		嘉立创
USB-C_12	USB Connector	USBC	USB-C-12	HYCW566-USBC16-	1		嘉立创
XTAL3225P4	Crystal 27MHz	Y1	X3225	7M-27.000MEEQ-T	1	27MHz	旧板子

R25(K)	R24(K)	V	
137	18.2	5.12	
110	15	5	
137	20	4.71	