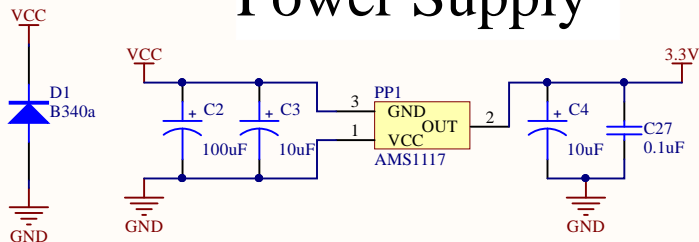
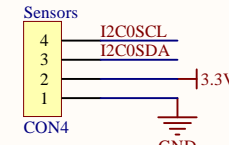


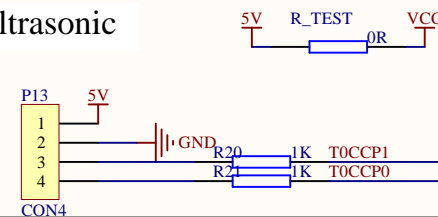
Power Supply



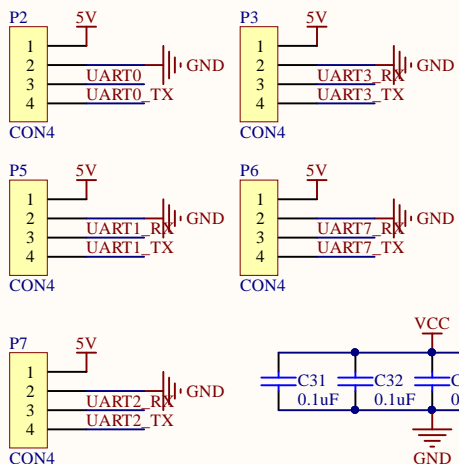
Internal Sensors



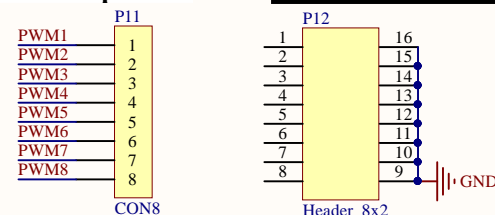
Ultrasonic



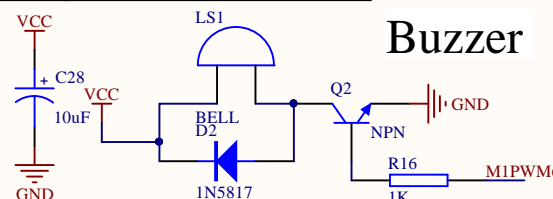
Uart Interface



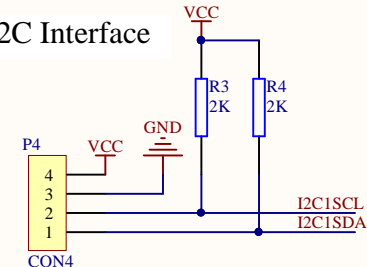
Motor Output



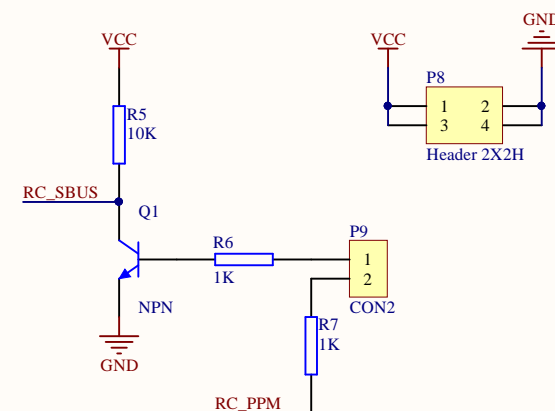
Buzzer



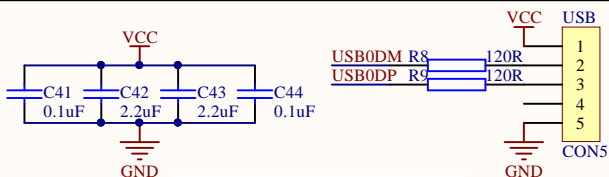
I2C Interface



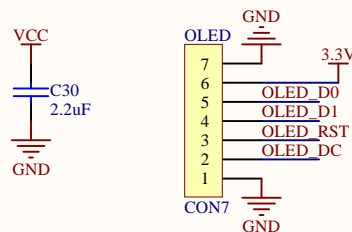
Receiver Signal Input



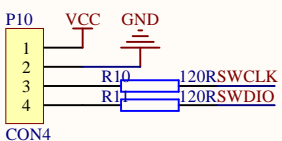
USB Interface



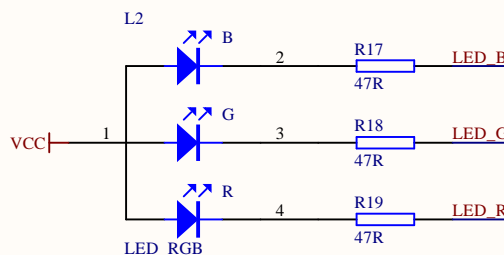
OLED



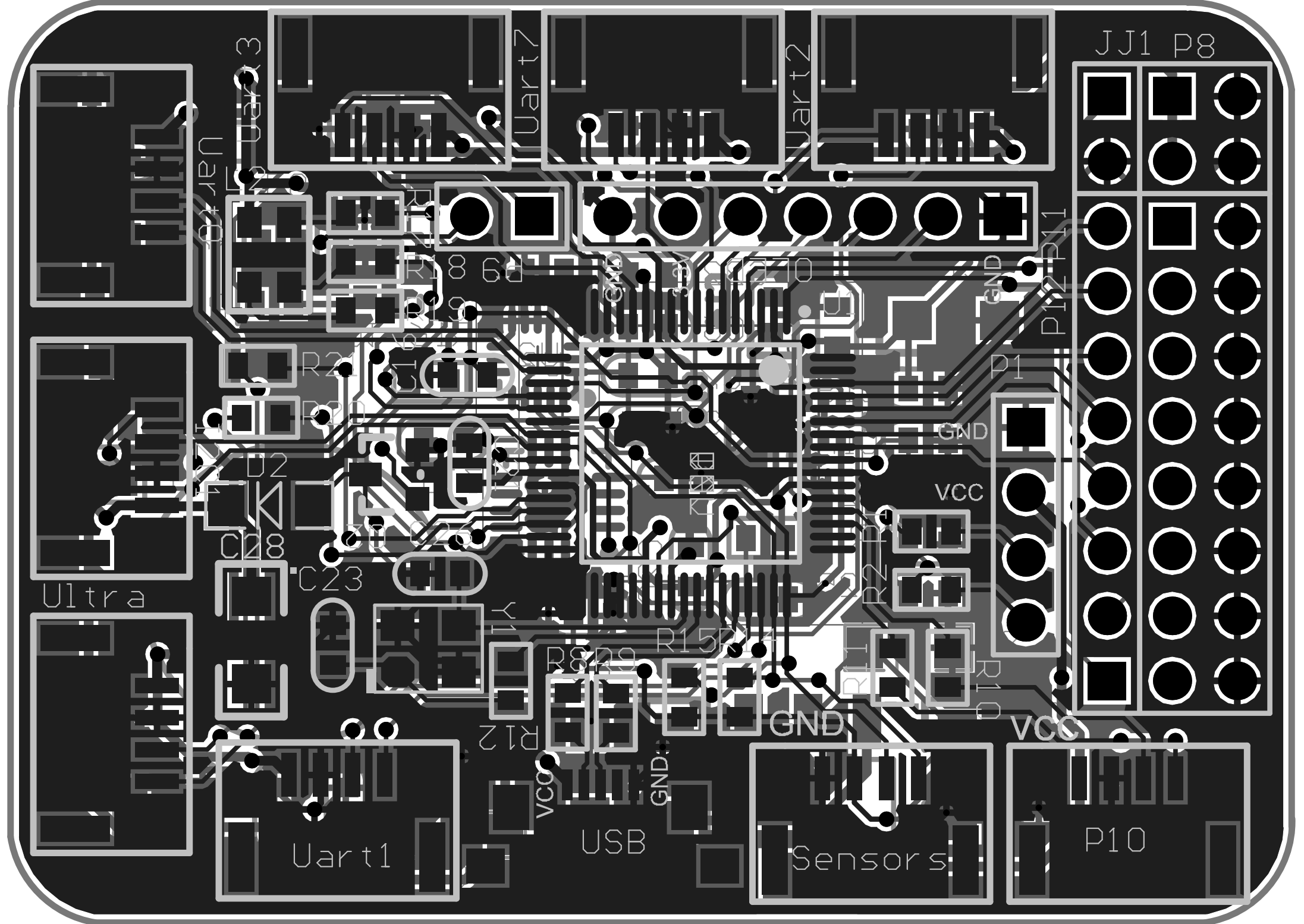
SWJ Interface



Status Led



Title		
207实验室飞控 V1.0		
Size	Number	Revision
A4		
Date:	2019/10/24	Sheet of
File:	F:\无人机相关资料\Sheet1.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	Capacitor	C1, C5	C0603	CAP	2
100uF	Capacitor	C2	1206	CAPACITOR POL	1
10uF	Capacitor	C3, C4, C13, C28, C29	1206	CAPACITOR POL	5
2.2uF	Capacitor	C6, C16, C30, C36, C37, C38, C39, C40, C42, C43	C0603	CAP	10
0.1uF	Capacitor	C7, C8, C10, C11, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C31, C32, C33, C34, C35, C41, C44	C0603	CAP	21
10nF	Capacitor	C9	C0603	CAP	1
4.7uF	Capacitor	C12	C0603	CAP	1
Cap	Capacitor	C14, C15	0603	Cap	2
1uF	Capacitor	C17	C0603	CAP	1
B340a	Diode	D1, D3	SOD123	DIODE	2
1N5817	Diode	D2	SOD123	DIODE	1
CON2	Connector	JJ1, P9	HDR1X2	CON2	2
LED_RGB		L2	RGB_LED	LED_RGB	1
BELL	Bell	LS1	BEEP_TIE	BELL	1
CON7	Connector	OLED	HDR1X7	CON7	1
CON4	Connector	P1	HDR1X4	CON4	1
CON4	Connector	P2, P3, P4, P5, P6, P7, P10, P13, Sensors	GH1.25	CON4	9
Header 2X2H	Header, 2-Pin, Dual row, Right Angle	P8	HDR2X2	Header 2X2H	1
CON8	Connector	P11	HDR1X8	CON8	1
Header_8x2		P12	H8x2	Header_8x2	1
AMS1117		PP1	SOT-223	12M	1
NPN	NPN General Purpose Amplifier	Q1, Q2	SOT-23	2N3904	2
1K		R1, R2, R6, R7, R16, R20, R21	R0603	RES2	7
2K		R3, R4, R14, R15	R0603	RES2	4
10K		R5, R13	R0603	RES2	2
120R		R8, R9, R10, R11	R0603	RES2	4
0R		R12, R_TEST, RTEST2	R0603	RES2	3
47R		R17, R18, R19	R0603	RES2	3
TM4C123GH6PMT7R	Imported	U1	PM0064A_N	TM4C123GH6PMT7R	1
VDDIO		U2	LSM303D	VDDIO	1
SCL_33		U3	L3GD20	SCL_33	1
SPL06		U5	SPL06	SPL06	1
CON5	Connector	USB	USB_MINI	CON5	1
16M		Y1	XT25	12M	1