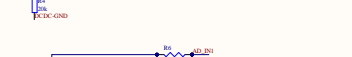
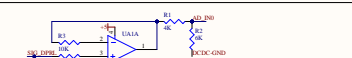
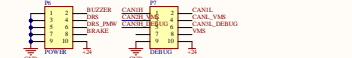
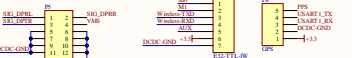
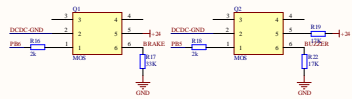


POWER



CAN2

CAN1

24V-5V

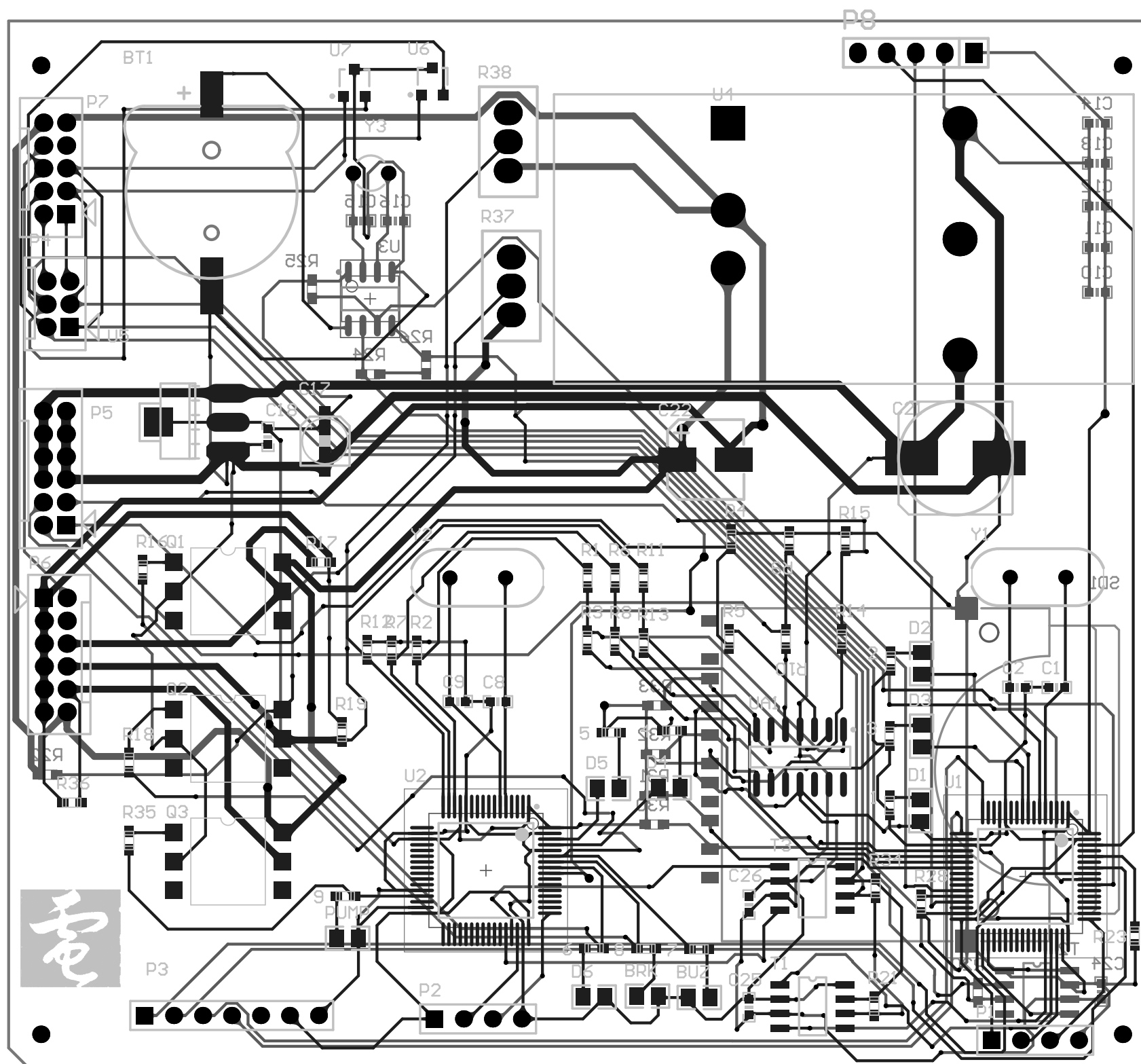
5V-3.3V

DTU

RTC

CCR

Ver	Number	Revision
A1	1	1
File	2024-03-01	2024-03-01
Drawn	2024-03-01	2024-03-01



Comment	Description	Designator	Footprint	LibRef	Quantity
1K		1, 2, 3, 4, 5, 6, 7, 8	0603P	R	8
BRAKE	Typical RED GaAs LED	BRK	0805-1	LED1	1
3V	Multicell Battery	BT1	AG13	Battery	1
BUZZER	Typical RED GaAs LED	BUZ	0805-1	LED1	1
22pF	Capacitor	C1, C8	0603C	Cap	2
22pF	Capacitor	C2, C9	0603P	Cap	2
0.1μF		C3, C4, C5, C6, C7, C10, C11, C12, C13, C14, C18	0603C	C	11
30pF		C15, C16	0603C	C	2
Cap Pol3	Polarized Capacitor (Surface Mount)	C17	SMD-EC-F4	Cap Pol3	1
Cap Pol3	Polarized Capacitor (Surface Mount)	C21	电解电容470uF	Cap Pol3	1
100uF		C22	电解电容100uF	C	1
104		C24, C25	0603C	C	2
POW	Typical RED GaAs LED	D1	0805-1	LED1	1
SD	Typical RED GaAs LED	D2	0805-1	LED1	1
Data	Typical RED GaAs LED	D3	0805-1	LED1	1
CANH	Typical RED GaAs LED	D4	0805-1	LED1	1
CANL	Typical RED GaAs LED	D5	0805-1	LED1	1
PMW	Typical RED GaAs LED	D6	0805-1	LED1	1
SWD	Header, 4-Pin	P1, P2	HDR1X4	Header 4	2
E32-TTL-1W	Header, 7-Pin	P3	HDR1X7	Header 7	1
CAN	Header, 3-Pin, Dual row	P4	PH2.0-6P	Header 3X2	1
SENSOR	Header, 6-Pin, Dual row	P5	phb-12	Header 6X2	1
POWER	Header, 5-Pin, Dual row	P6	phb 10	Header 5X2	1
DEBUG	Header, 5-Pin, Dual row	P7	phb 10	Header 5X2	1
GPS	Header, 5-Pin	P8	HDR1X5	Header 5	1
MOS		Q1, Q2	VO14642A 光耦	MOS	2
4K	Resistor	R1, R6, R11	0603P	Res3	3
6K	Resistor	R2, R7, R12	0603P	Res3	3
10K	Resistor, [NoValue]	R3, R5, R8, R10, R13, R14, R23, R28, R30, R31, R32, R33	0603P	Res3, R, Res2	12
20k		R4, R9, R15	0603P	R	3
2k		R16, R18	0603P	R	2
33K		R17	0603P	R	1
17K		R19, R22	0603P	R	2
120		R20, R21	0603P	R	2
5.1K		R24, R25, R26	0603P	R	3
SDCard		SD1	SDCARD_B	SDCard_自弹	1
TJA1050		T1, T2	SOP-8	SN65HVD230D	2
STM32F105RBT6	STM32 ARM-based 32-bit MCU with 128 Kbytes Flash, 64-pin LQFP, Industrial Temperature	U1	LQFP64_M	STM32F103RBT6	1
STM32F103RBT6	STM32 ARM-based 32-bit MCU with 128 Kbytes Flash, 64-pin LQFP, Industrial Temperature	U2	LQFP64_M	STM32F103RBT6	1
DS1302		U3	SO8_L	DS1302	1
VRB2405LD-20WR3		U4	2405 15W	VRB2405LD-20WR3	1
AMS1117-3.3		U5	AMS1117	AMS1117	1
LT1496CS	linear运放	UA1	LT1496	LT1496CS	1
8M	Crystal Oscillator	Y1, Y2	XTAL_US	XTAL	2
32KHZ	Crystal Oscillator	Y3	R38	XTAL	1