

RM_IO List of optional function ID0~98							
ID	function	ID	function	ID	function	ID	function
0	NC	26	CAN1_TX	51	SAI0_MCLK	77	TSADC_CTRL
1	UART1_TX	27	CAN1_RX	52	SAI0_SCLK	78	PWR_CTRL0(PMU_SLEEP)
2	UART1_RX	28	CAN0_TX	53	SAI0_LRCK	79	PWR_CTRL1(CORE_POWER_OFF)
3	UART2_TX	29	CAN0_RX	54	SAI0_SDI0	80	SPDIF_TX
4	UART2_RX	30	PWM0_CH0	55	SAI0_SDI1	81	SPDIF_RX
5	UART3_TX	31	PWM0_CH1	56	SAI0_SDI2	82	BIPCNTN_A0
6	UART3_RX	32	PWM0_CH2	57	SAI0_SDI3	83	BIPCNTN_A1
7	UART3_CTSN	33	PWM0_CH3	58	SAI0_SDO	84	BIPCNTN_A2
8	UART3_RTSN	34	PWM1_CH0	59	SAI1_MCLK	85	BIPCNTN_A3
9	UART4_TX	35	PWM1_CH1	60	SAI1_SCLK	86	BIPCNTN_A4
10	UART4_RX	36	PWM1_CH2	61	SAI1_LRCK	87	BIPCNTN_A5
11	UART4_CTSN	37	PWM1_CH3	62	SAI1_SDI	88	BIPCNTN_B0
12	UART4_RTSN	38	PWM1_CH4	63	SAI1_SDO0	89	BIPCNTN_B1
13	MIPI_DPHY_DSI_TX_TE	39	PWM1_CH5	64	SAI1_SDO1	90	BIPCNTN_B2
14	CLK_32K	40	PWM1_CH6	65	SAI1_SDO2	91	BIPCNTN_B3
15	I2C0_SCL	41	PWM1_CH7	66	SAI1_SDO3	92	BIPCNTN_B4
16	I2C0_SDA	42	TOUCH_KEYDRIVE	67	SPI0_CLK	93	BIPCNTN_B5
17	I2C1_SCL	43	TOUCH_KEY0	68	SPI0_MOSI	94	PDM_CLK1
18	I2C1_SDA	44	TOUCH_KEY1	69	SPI0_MISO	95	ETH_RMII0_PPSCCLK
19	I2C2_SCL	45	TOUCH_KEY2	70	SPI0_CSN0	96	ETH_RMII0_PPSTRIG
20	I2C2_SDA	46	TOUCH_KEY3	71	SPI0_CSN1	97	ETH_RMII1_PPSCCLK
21	PDM_CLK0	47	TOUCH_KEY4	72	SPI1_CLK	98	ETH_RMII1_PPSTRIG
22	PDM_SDI0	48	TOUCH_KEY5	73	SPI1_MOSI		
23	PDM_SDI1	49	TOUCH_KEY6	74	SPI1_MISO		
24	PDM_SDI2	50	TOUCH_KEY7	75	SPI1_CSN0		
25	PDM_SDI3			76	SPI1_CSN1		

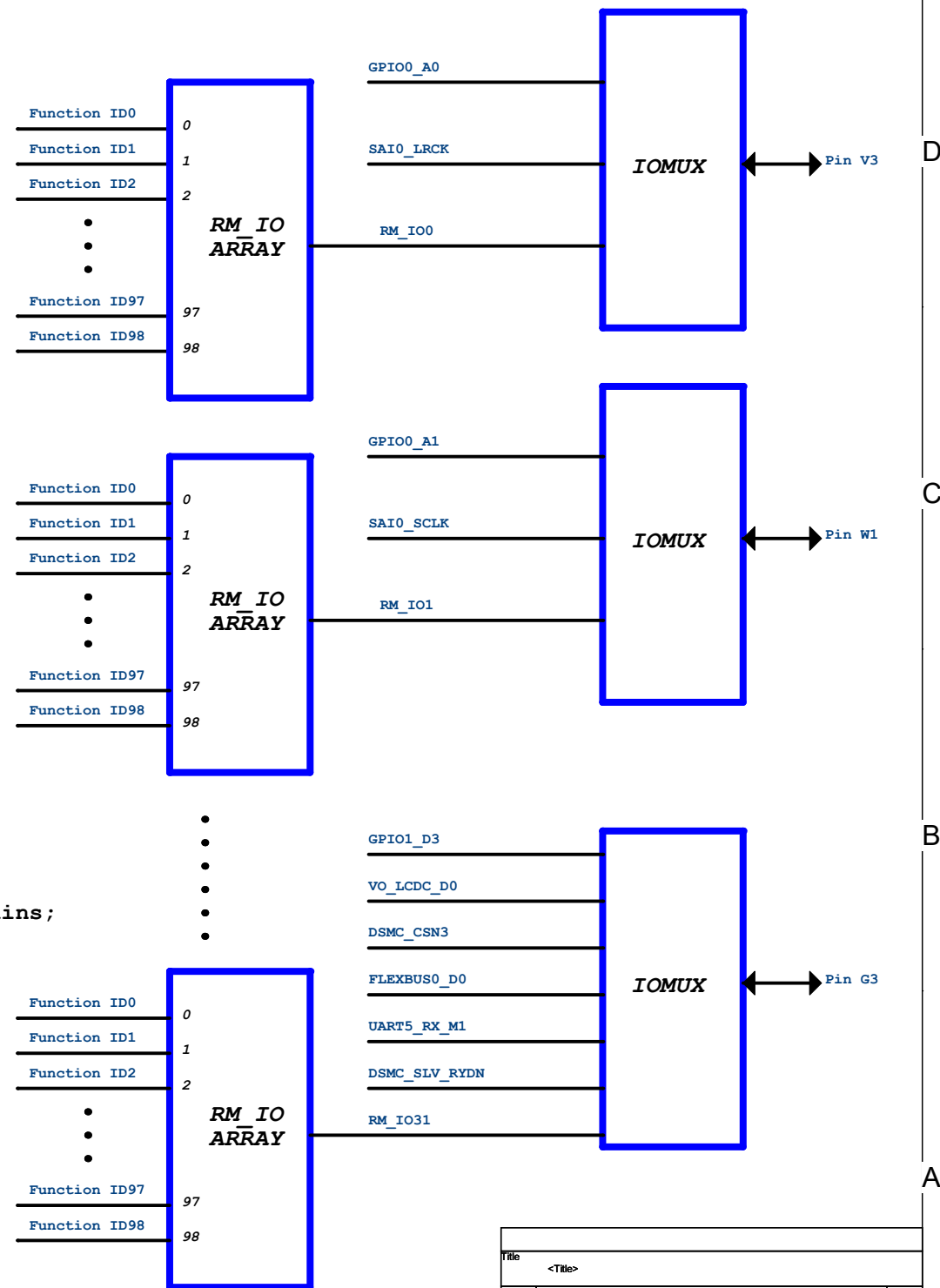
NOTE:

(1)RM_IOX(X=0~31) can select functions from function ID0~ID98;

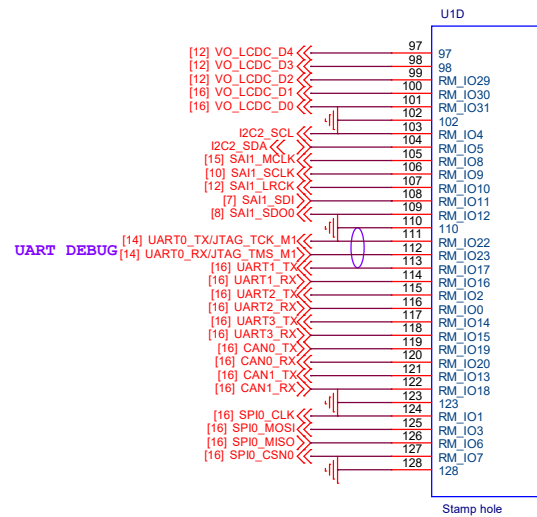
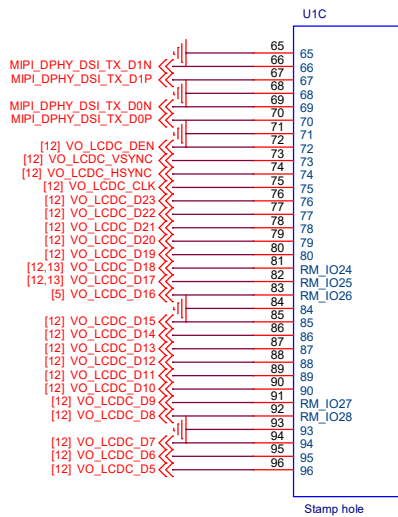
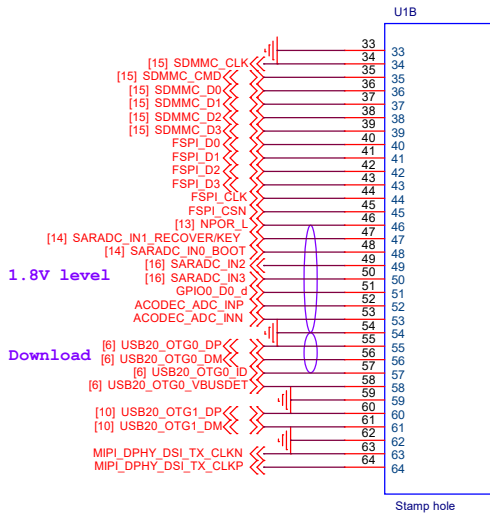
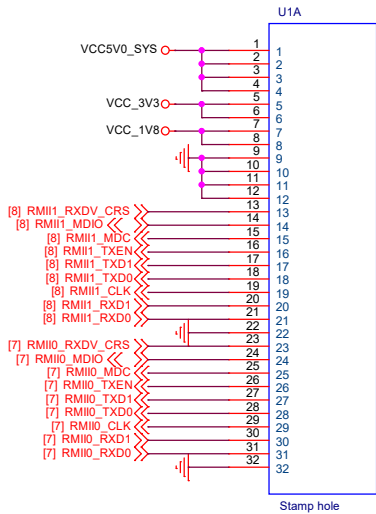
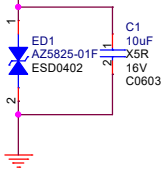
(2)RM_IOX(X=0~31) cannot repeatedly select the function ID0~ID98;

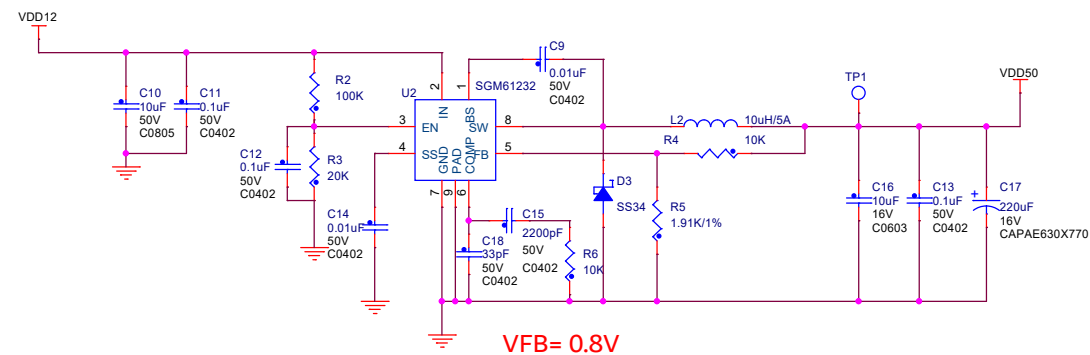
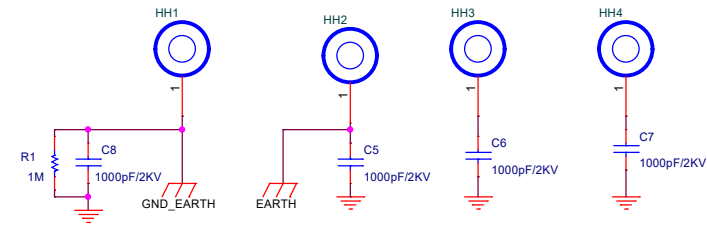
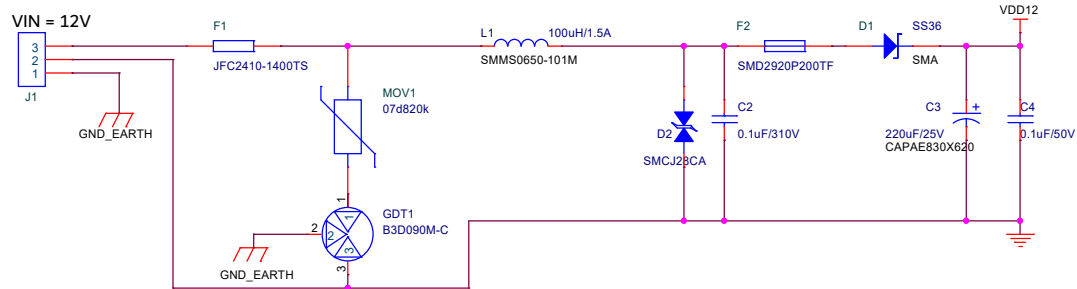
(3)SAI、PDM、SPI signals should not cross the PMUIO and VCCIO domains;

(4)The signal of the same function in RM_IO is used across PMUIO and VCCIO domains, and the operating level needs to be consistent

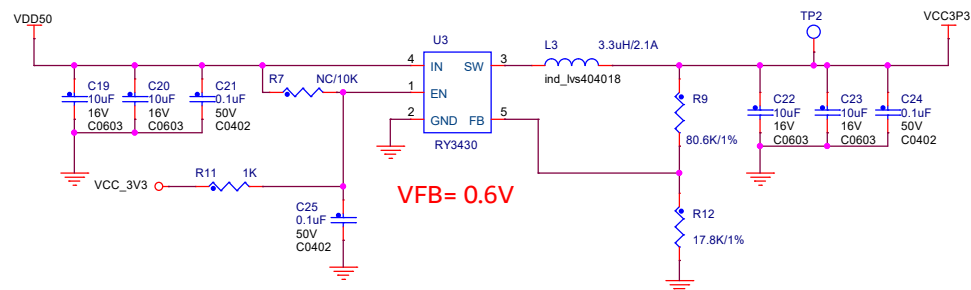
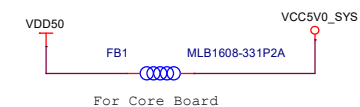


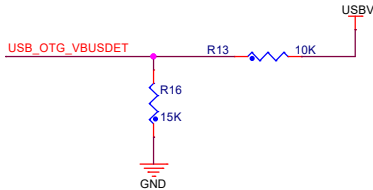
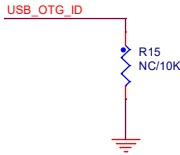
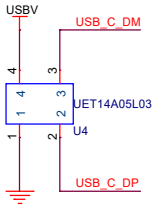
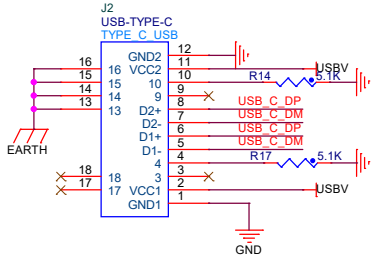
VCC5V0_SYS



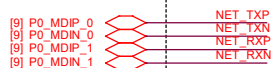


说明:
 1) VIN = 3.5 ~ 28V
 2) IOUT = 3A
 3) VOUT = 5V
 4) EN=1.25V



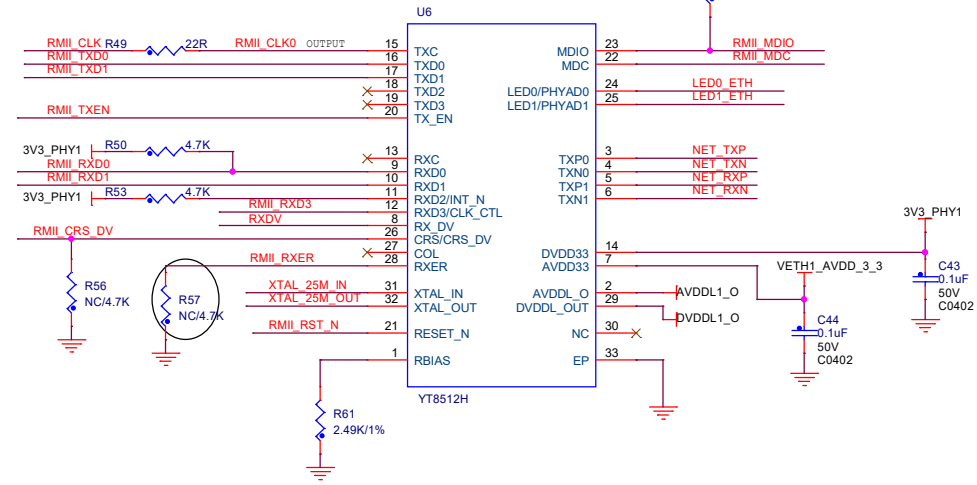
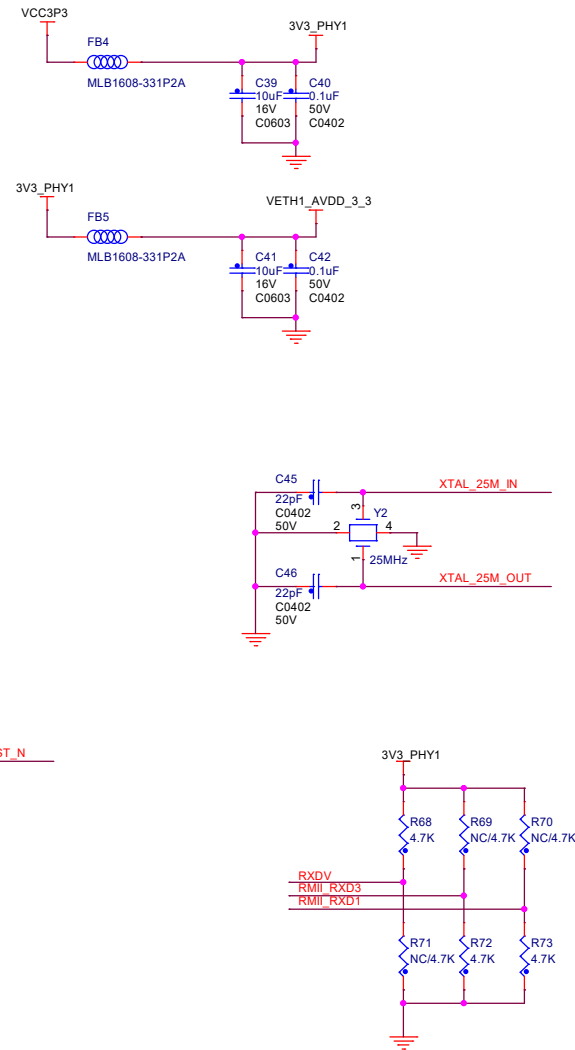
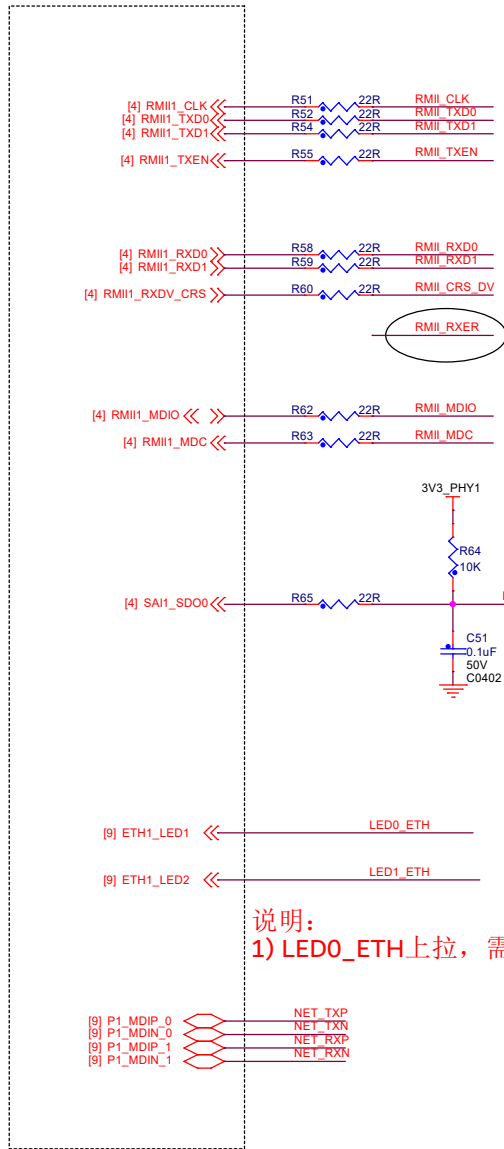


USB烧录口
强烈建议不要用作其他用途

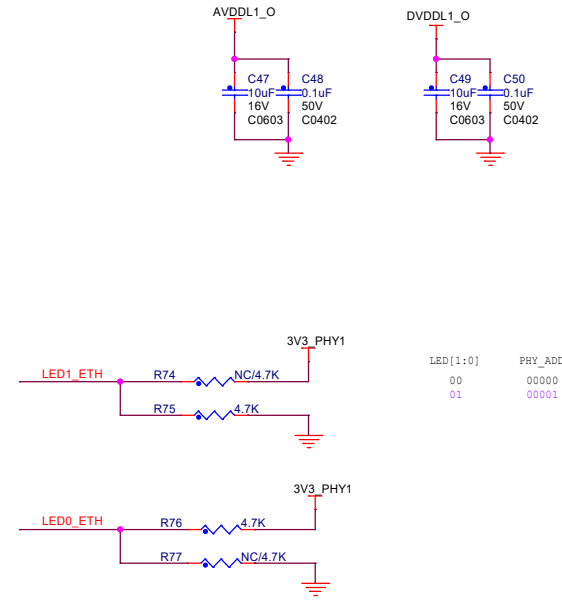


1) LED0_ETH上拉，需注意RJ45的LED的接法。

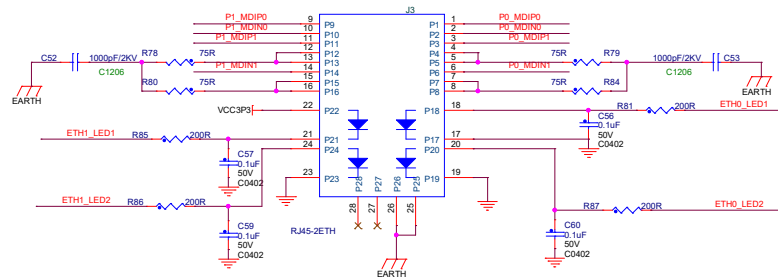
RXDV	0	MII MODE
	1	RMII MODE
RMII_RXD3	0	TXC OUTPUT MODE
	1	TXC INPUT MODE
RMII_RXD1	0	LED MODE
	1	WOL MODE



RXDV	0 MII MODE 1 RMIi MODE
RMIi_RXD3	0 TXC OUTPUT MODE 1 TXC INPUT MODE
RMIi_RXD1	0 LED MODE 1 WOL MODE

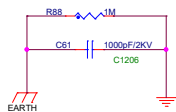


D



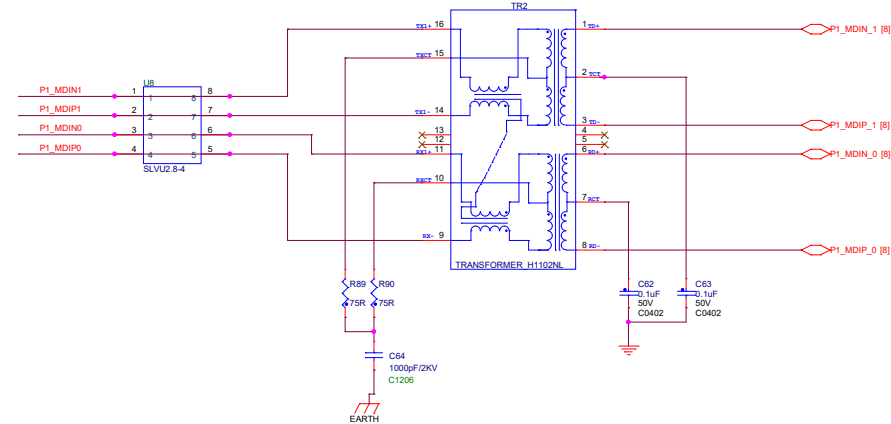
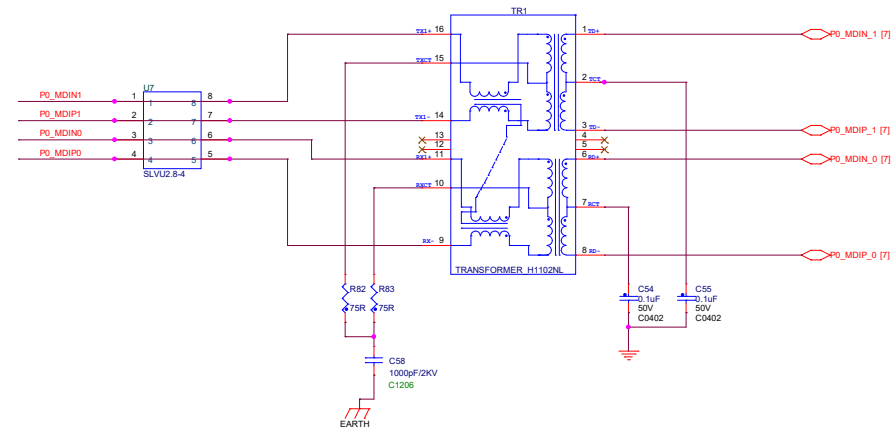
[8] ETH1_LED1 << ETH1_LED1
[8] ETH1_LED2 << ETH1_LED2

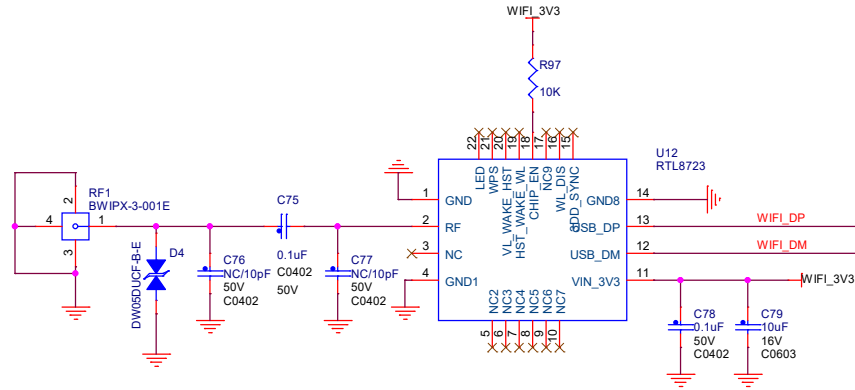
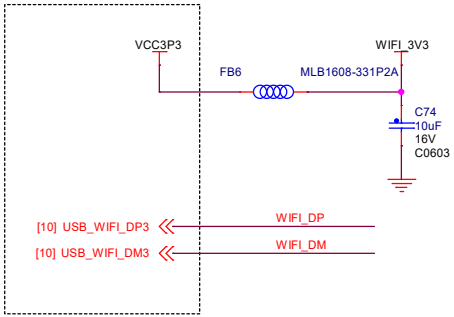
[7] ETH0_LED1 << ETH0_LED1
[7] ETH0_LED2 << ETH0_LED2



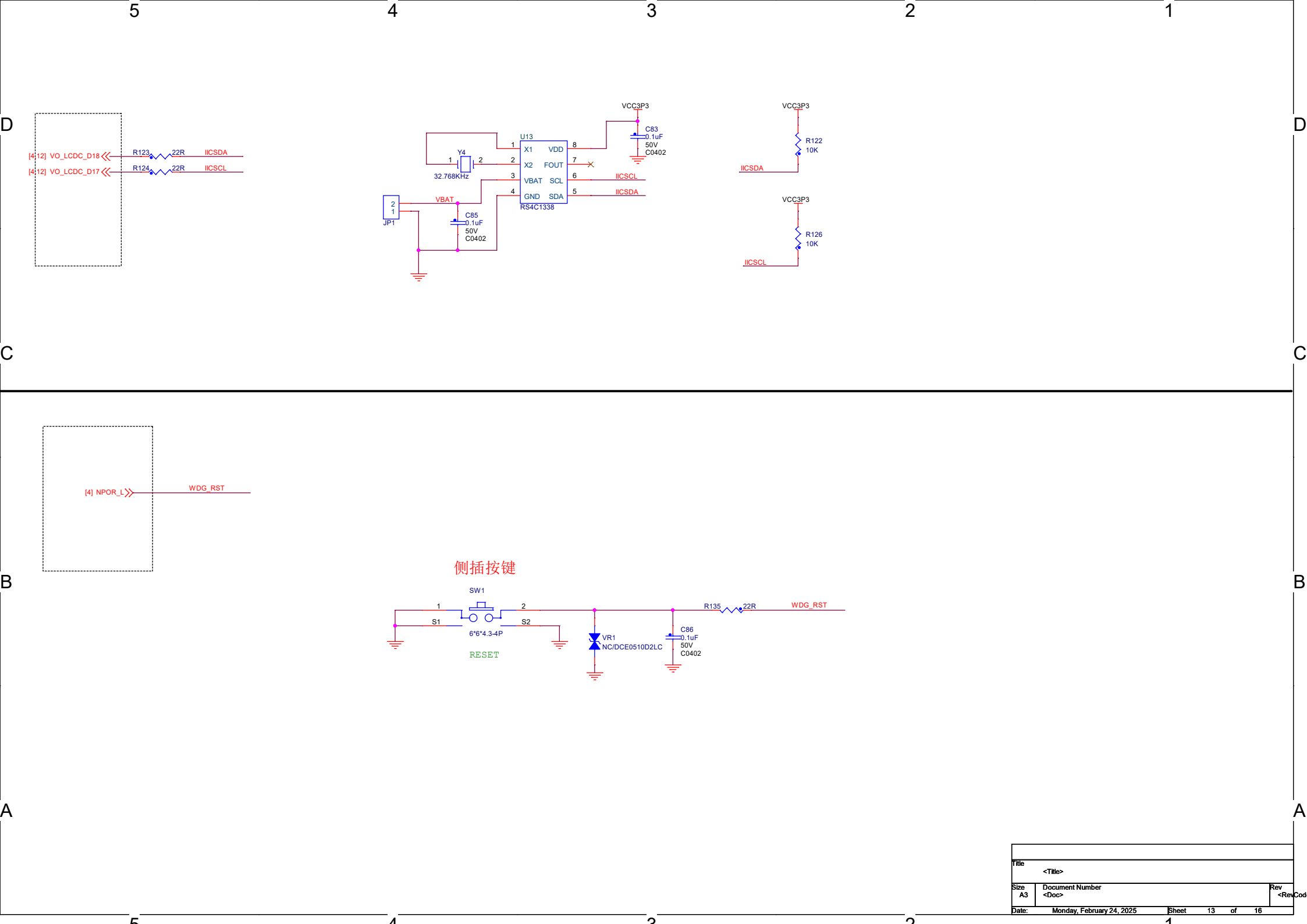
B

A





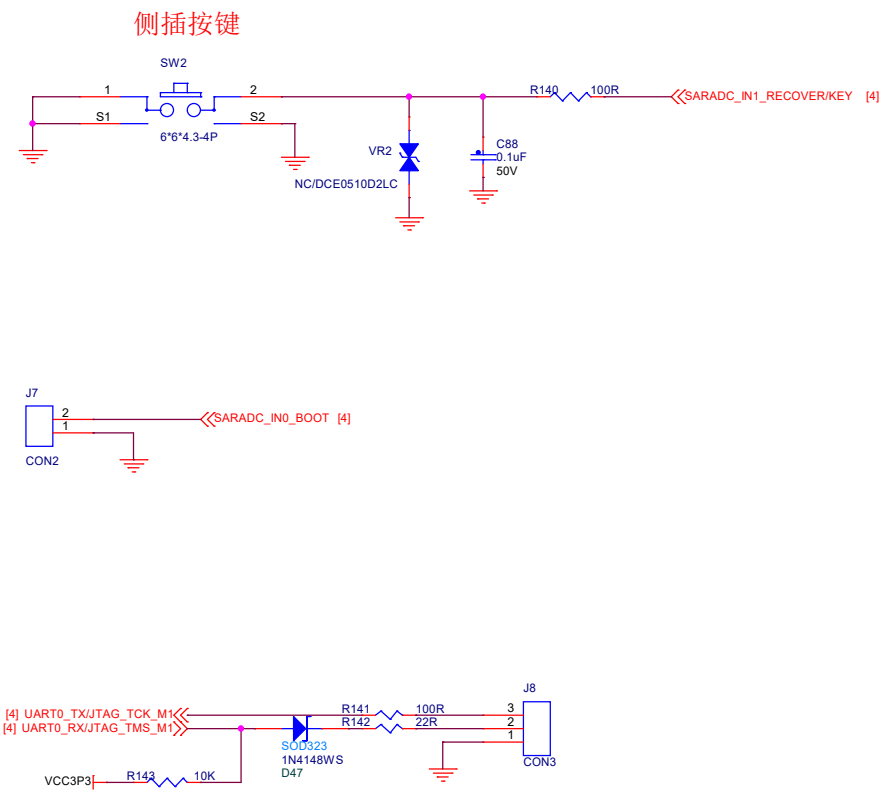
RTL8723 : 2.4G



RECOVERY

MASKROM

UART DEBUG



EMMC and TF Cards are optional

