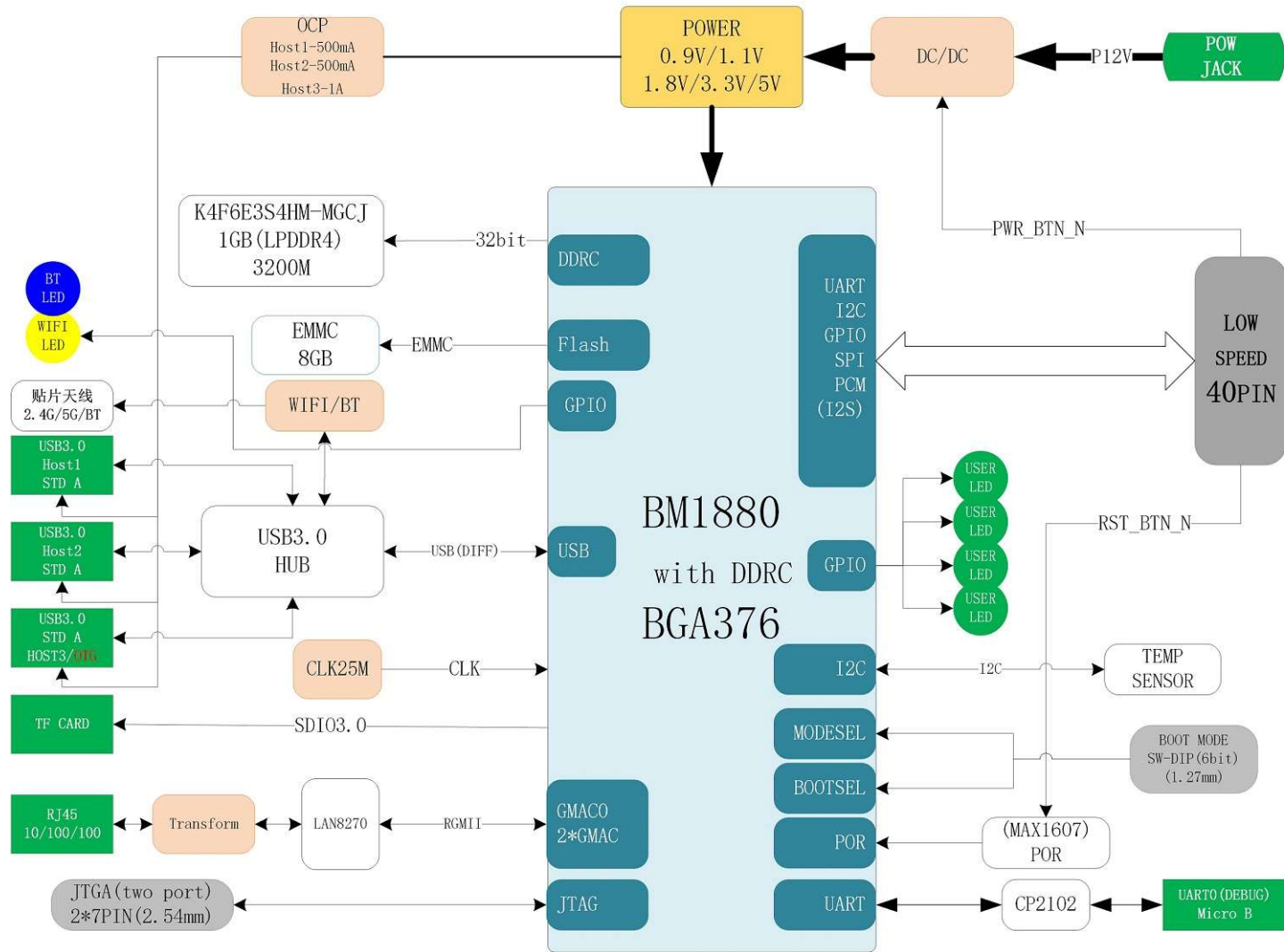


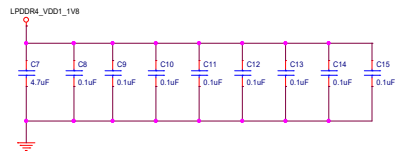
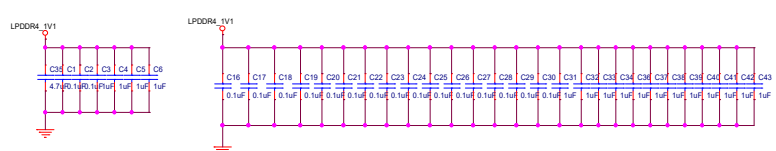
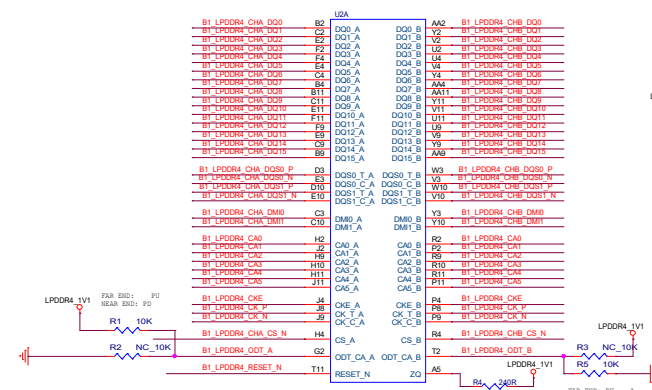
### Version List

Version	Change List	Date	Author
1.0010	First Release	2018-09-12	Jun Zhang
1.0110	RESPIN	2018-09-30	Jun Zhang
1.0210	RESPIN          USB_ID is fixed "0"	2018-10-22	Jun Zhang

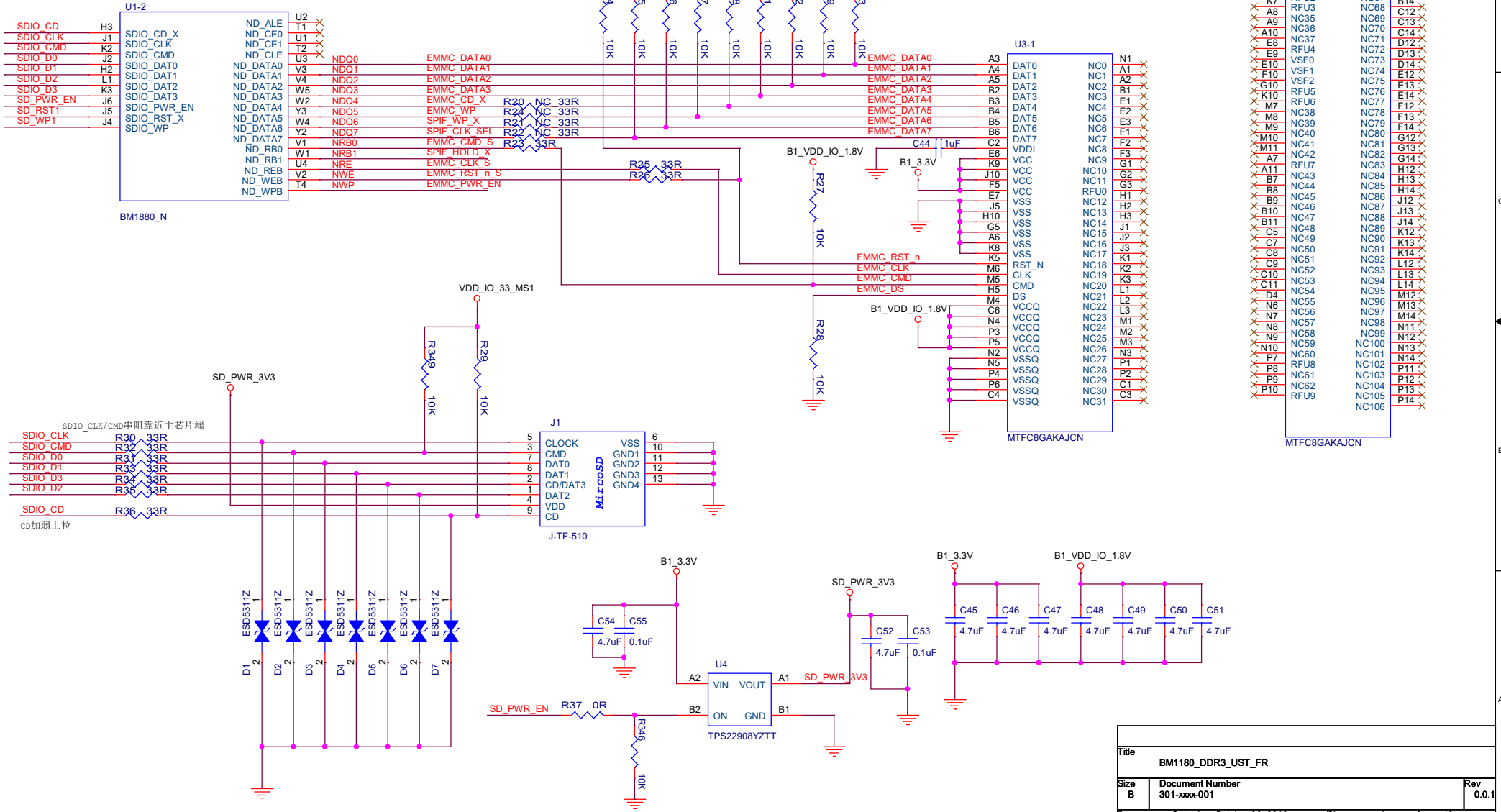
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# BM1880 EDB (Edge Development Board) BD





此处单端网络需要扇出，增加测试点



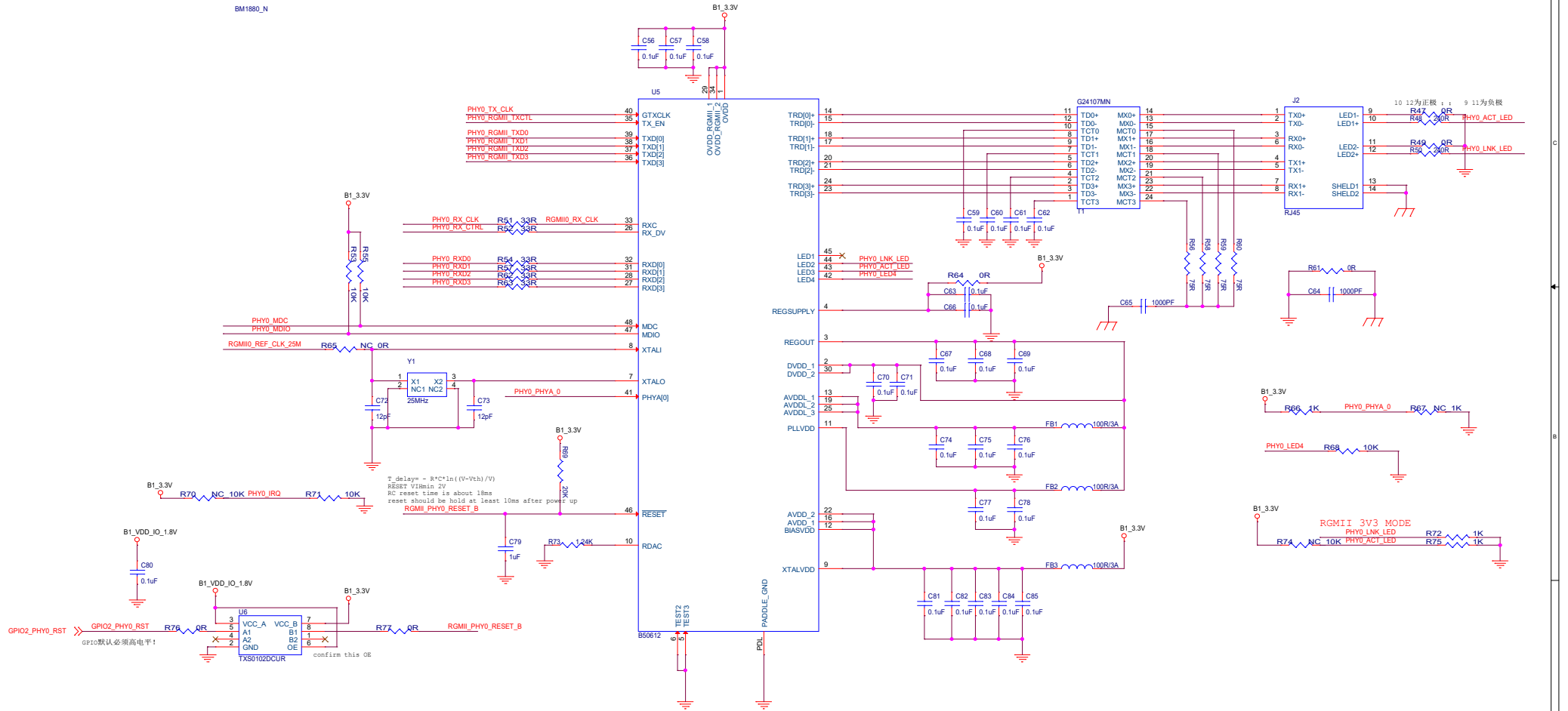
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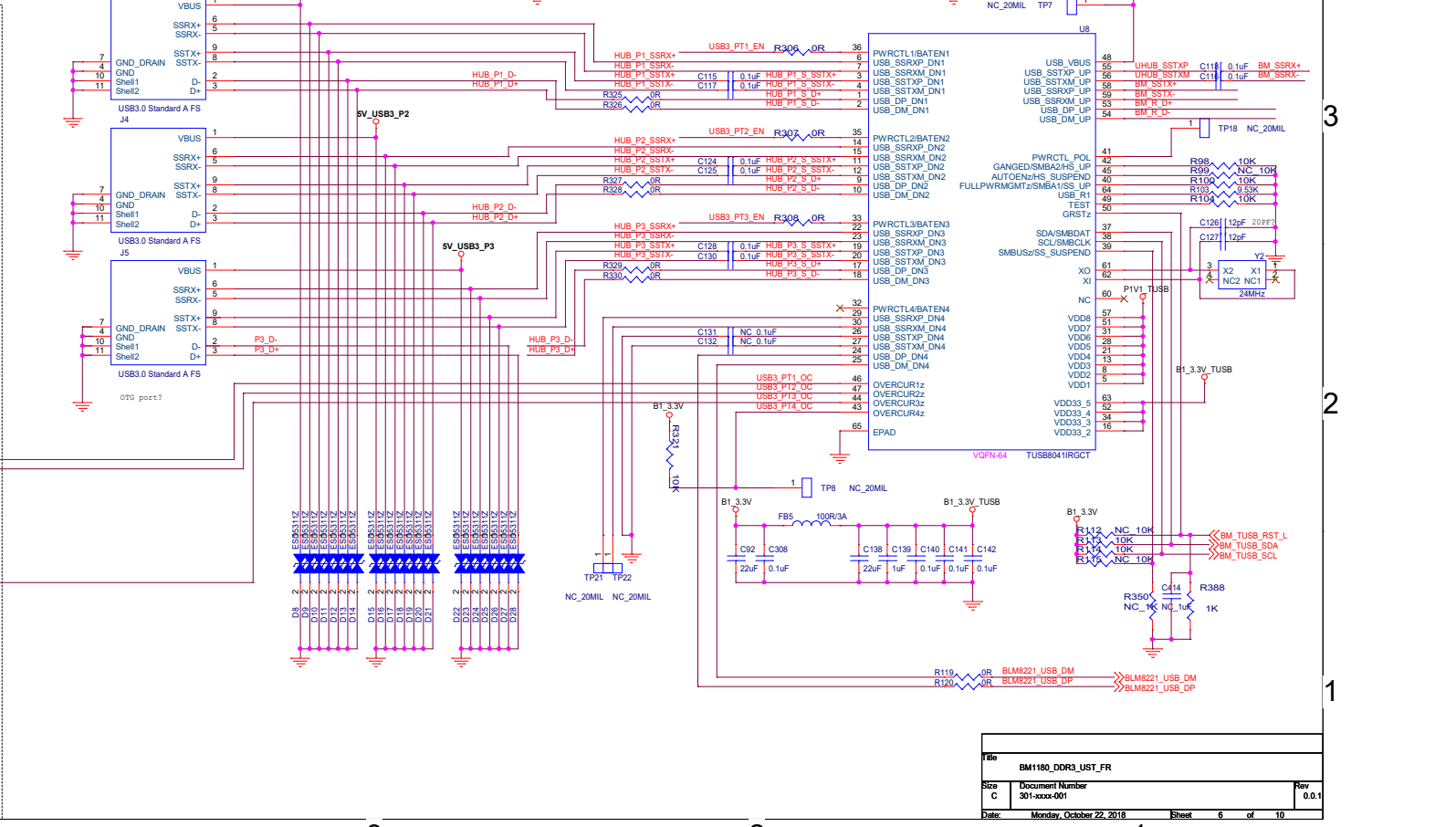
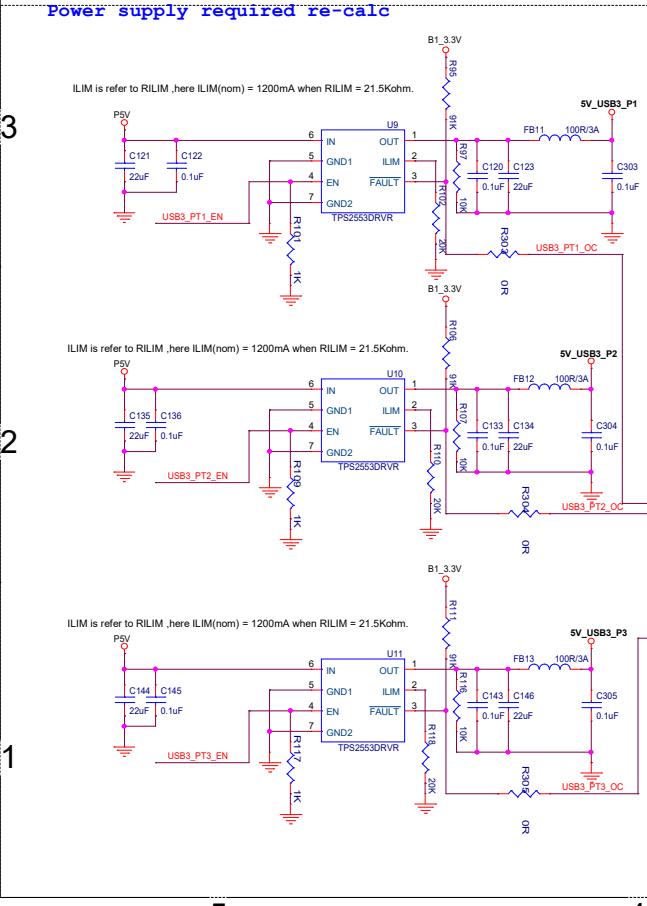
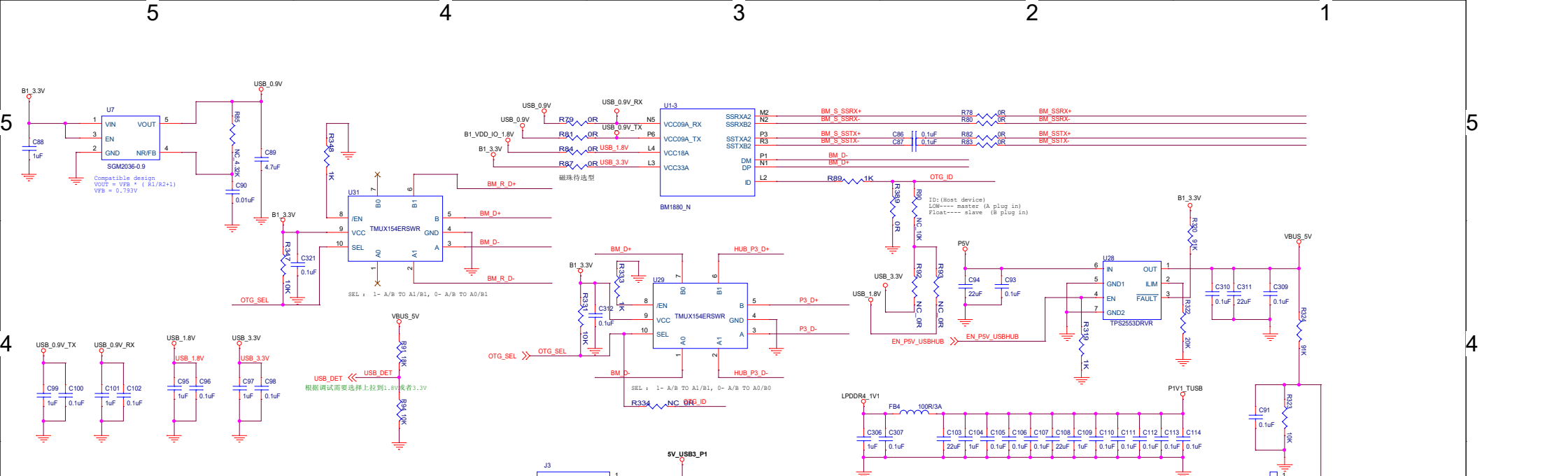
### 带单网络的管脚需要扇出

U1-6			
PHY0_MDC	PHY0_IRQ	U12	RGMII0_IRQ
		Y10	RGMII0_MDC
PHY0_MDIO		W10	RGMII0_MDIO
RGMII0_REF_CLK_25M		W11	RGMII0_REFCLK0
			RGMII0_REFCLK0
PHY0_RX_CLK		V12	RGMII0_RXC
PHY0_RX_CTRL		R10	RGMII0_RXC
PHY0_RXD0		U11	RGMII0_RXCTRL
PHY0_RXD1		W12	RGMII0_RXD0
PHY0_RXD2		Y11	RGMII0_RXD1
PHY0_RXD3		AA11	RGMII0_RXD2
			RGMII0_RXD3
PHY0_TX_CLK		RA1	RGMII0_TXC
PHY0_RGMII_TXCTL		Y14	RGMII0_TXC
PHY0_RGMII_TXD0		RA4	RGMII0_TXCTRL
PHY0_RGMII_TXD1		Y13	RGMII0_TXD0
PHY0_RGMII_TXD2		W14	RGMII0_TXD1
PHY0_RGMII_TXD3		RA4	RGMII0_TXD2
			RGMII0_TXD3

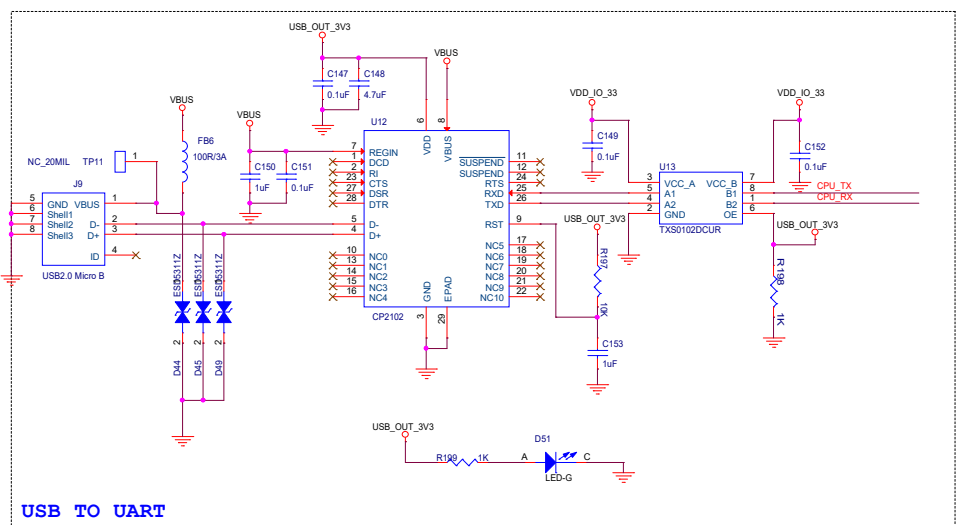
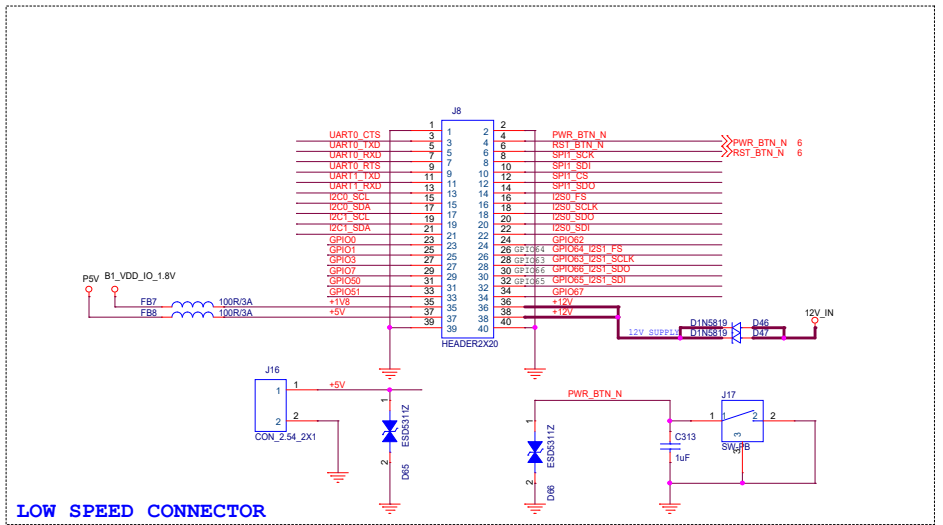
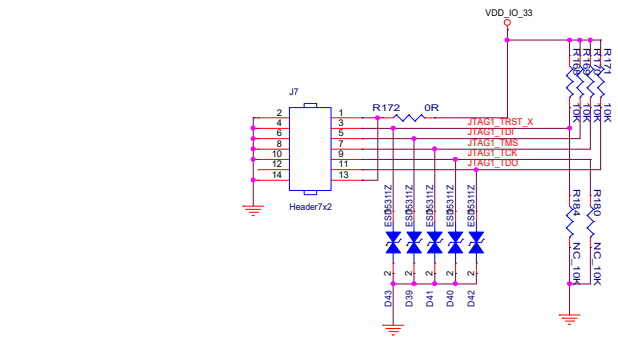
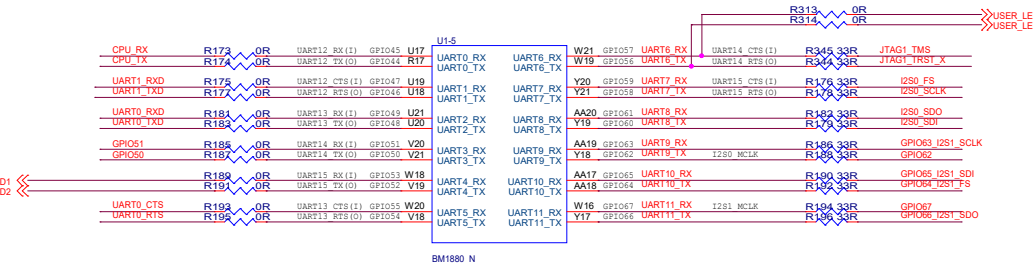
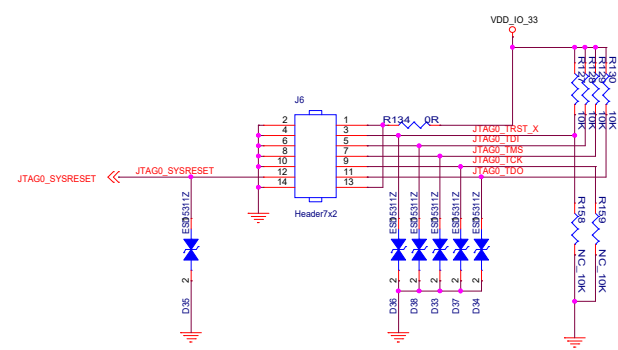
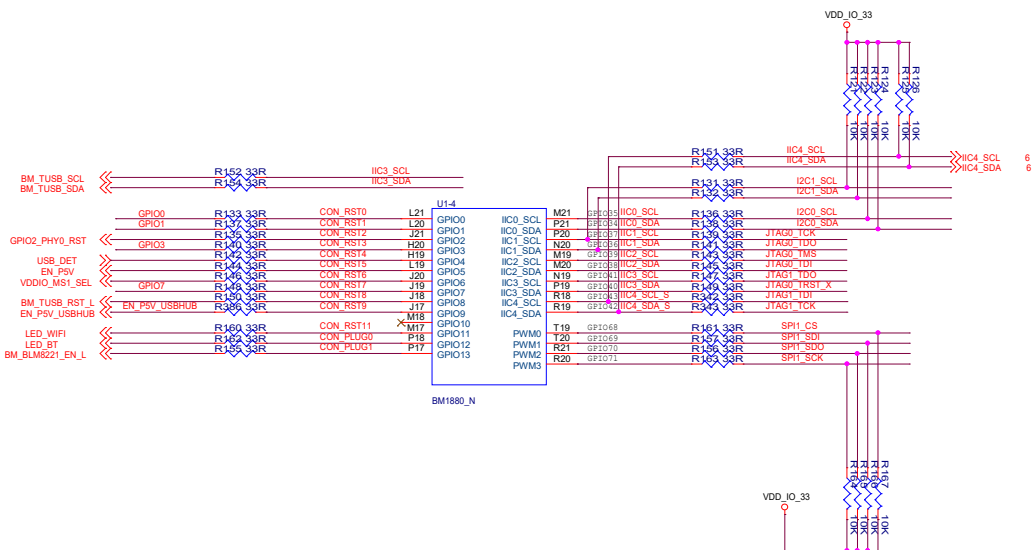
LED3 (ACT) / LED2 (LINK)	MAC RGMII MODE	
00	RGMII 3V3	first choice
01	RGMII 2V5	not use
10	RGMII HSTL 1V8	not use
11	RGMII 3V3	not use

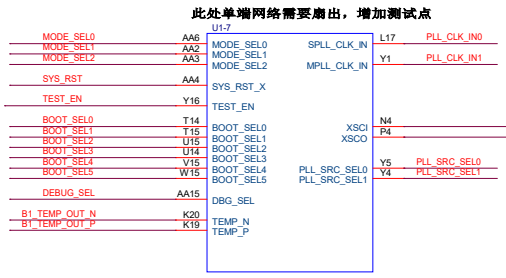
PHYA0	PHY ADDRESS
0	00000
1	00001





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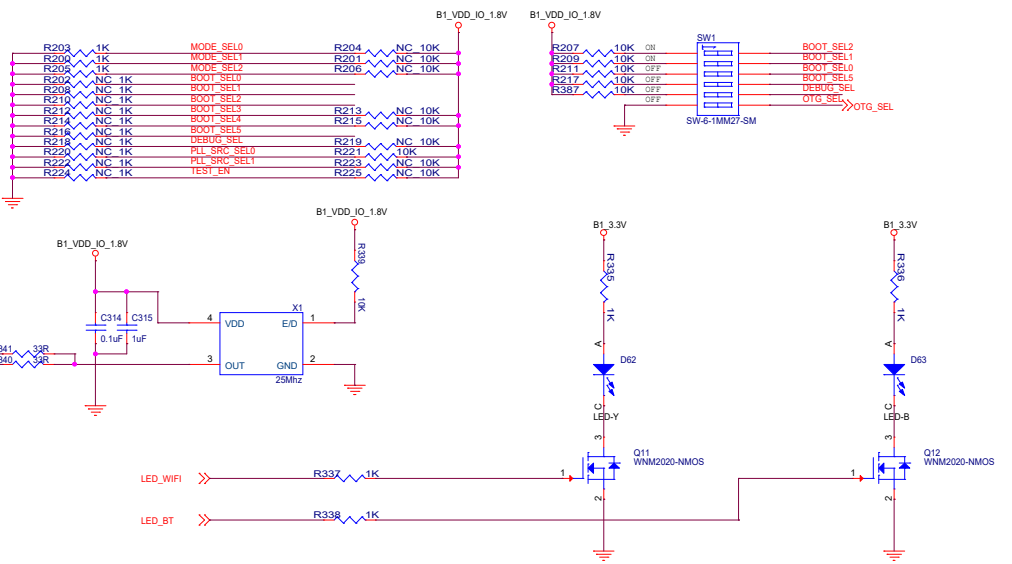


```

SYS_RST_X(I)PU
MPLL_CLK_IN(I)NA
SPLL_CLK_IN(I)NA
MODE_SEL0(I)PD
MODE_SEL1(I)PD
MODE_SEL2(I)PD
BOOT_SEL0(I)PD
BOOT_SEL1(I)PD
BOOT_SEL2(I)PD
BOOT_SEL3(I)PD
BOOT_SEL4(I)PD
BOOT_SEL5(I)PD
DBG_SEL(I)PD
PLL_SRC_SEL0(I)PD
PLL_SRC_SEL1(I)PD
PLL_SRC_SEL2(I)PD
TEST_EN(I)PD
  
```

```

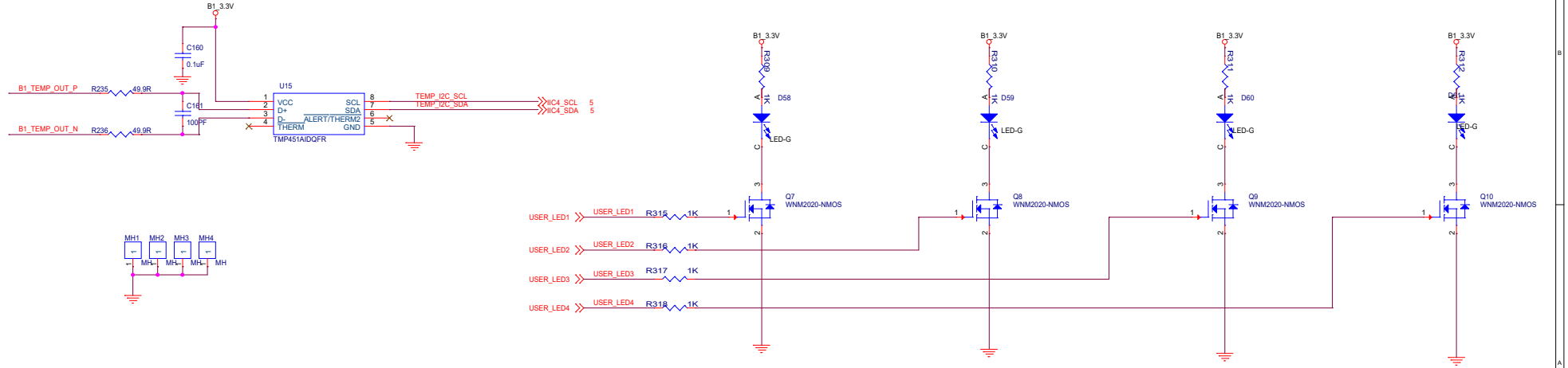
MODE(2:0)=3'b00: Normal
BOOT_SEL(2:0) = 3'b110: loading linux kernel from USB.
BOOT_SEL(3) = 1'b0: boot from internal ROM.
BOOT_SEL(3) = 1'b1: Boot from external GPMI NAND Flash; 1'b0: Boot from external SPI Flash
BOOT_SEL(5) = 1'b0: A53 boot as main AP. 1'b1: RISCv boot as main AP
PLL_SRC_SEL(1:0)=2'b11: REFCLK
DEBUG_SEL(1-DEBUG, 0-NORMAL TEST_EN: 1- TEST, 0-NORMAL
  
```



MAX16074 RESET为Open Drain输出，上拉到1.8V

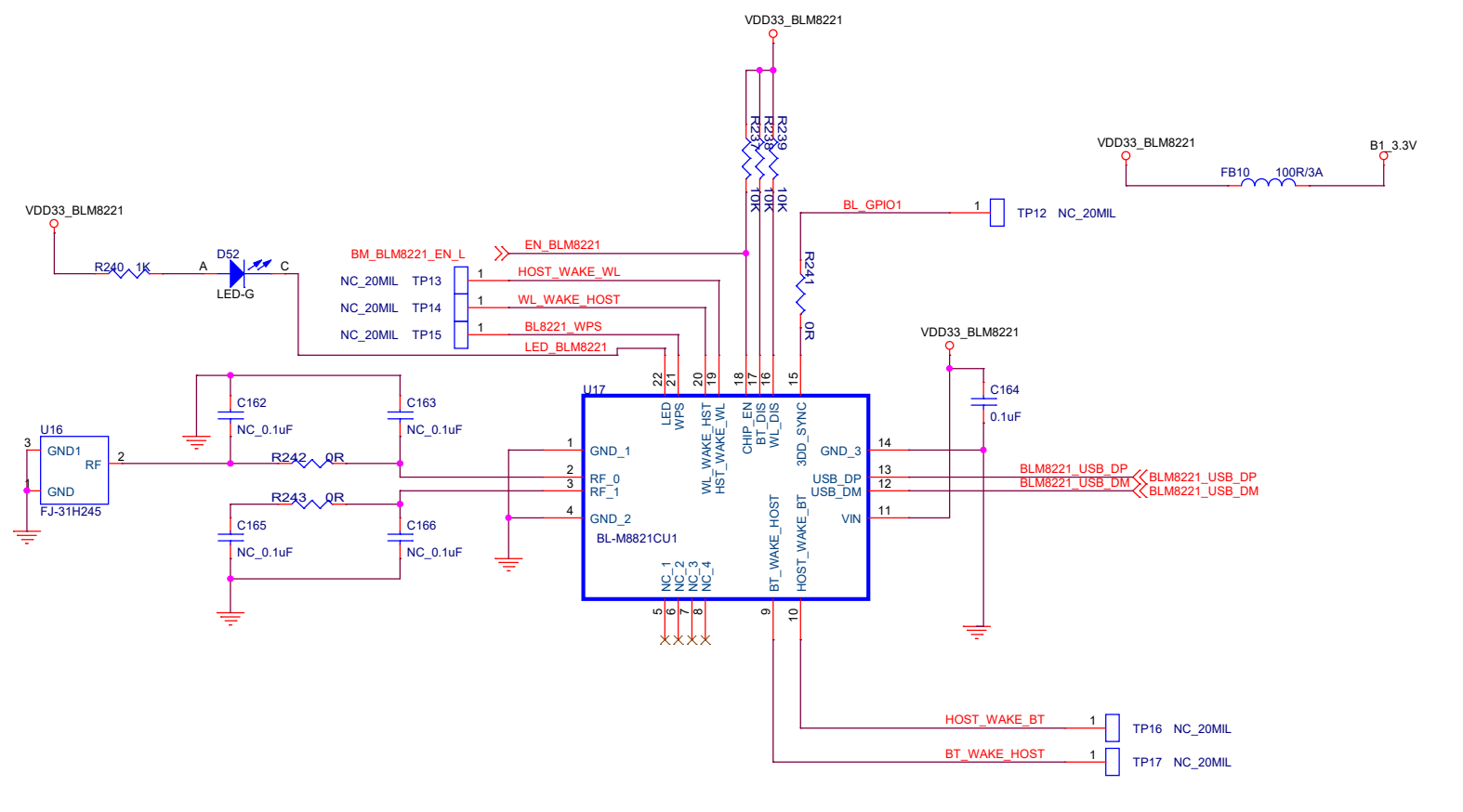
上电复位/手动按钮复位  
JTAG软复位

I2C Address: 4Ch (1001 100b)



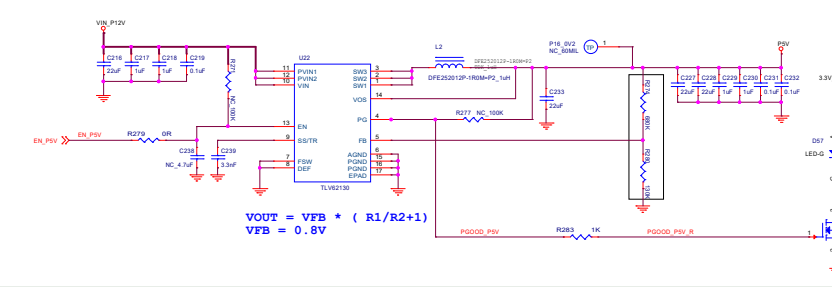
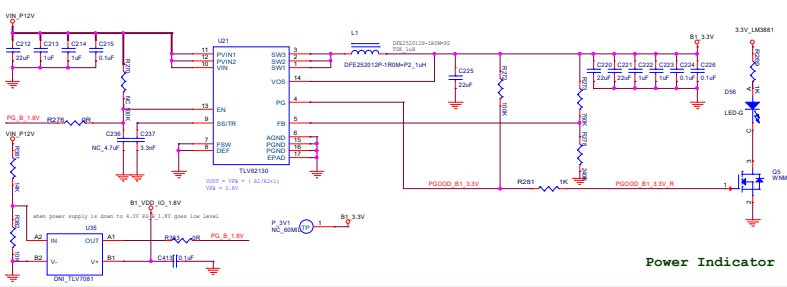
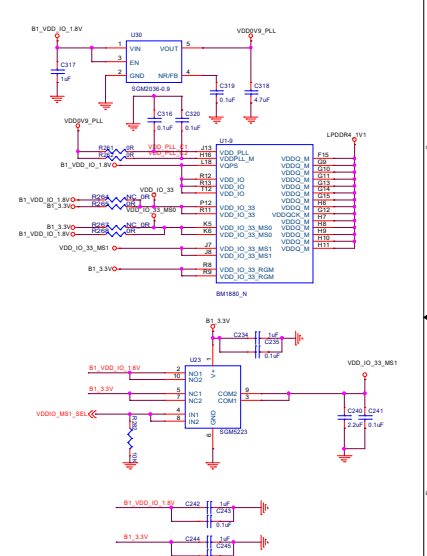
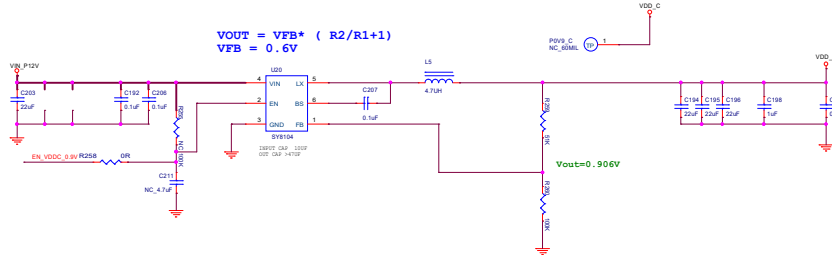
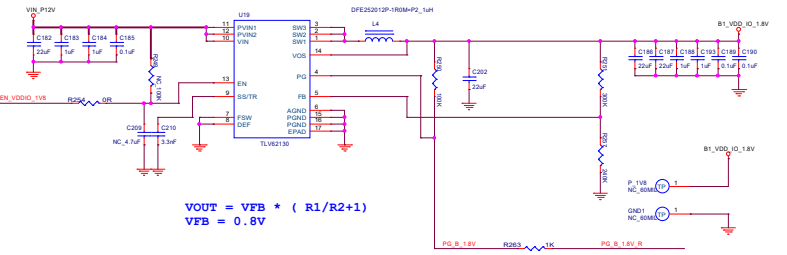
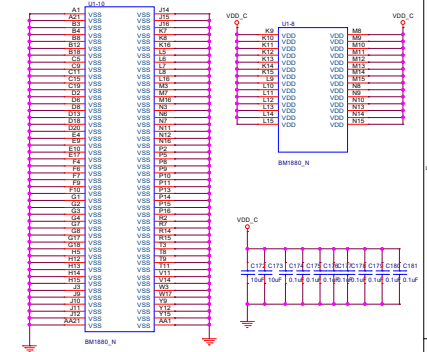
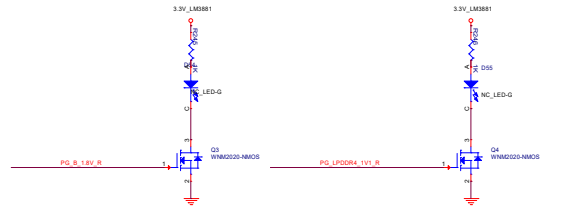
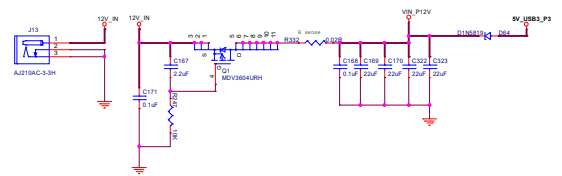
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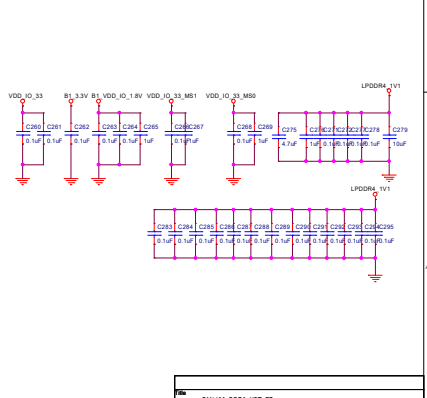
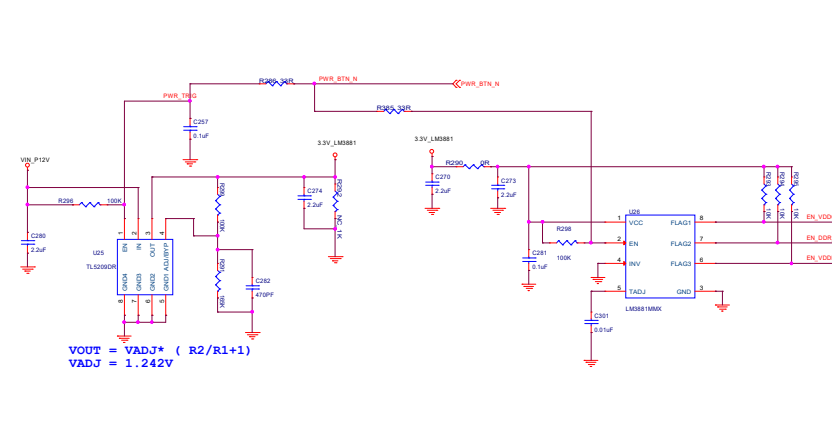
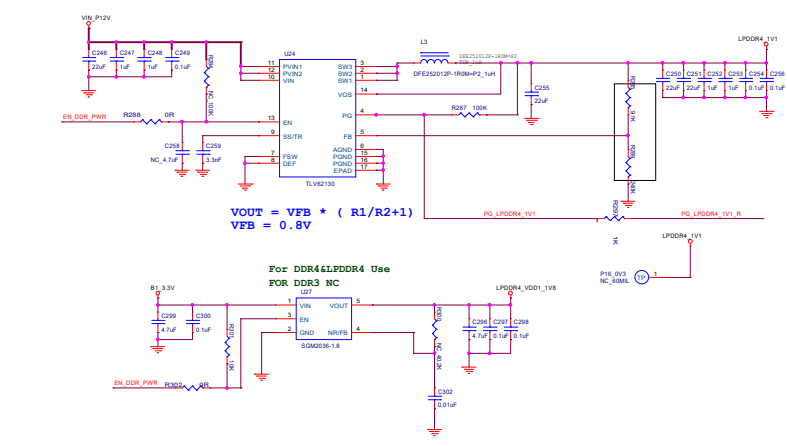


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rx_bt_15		
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**Power In**



**Power Indicator**



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