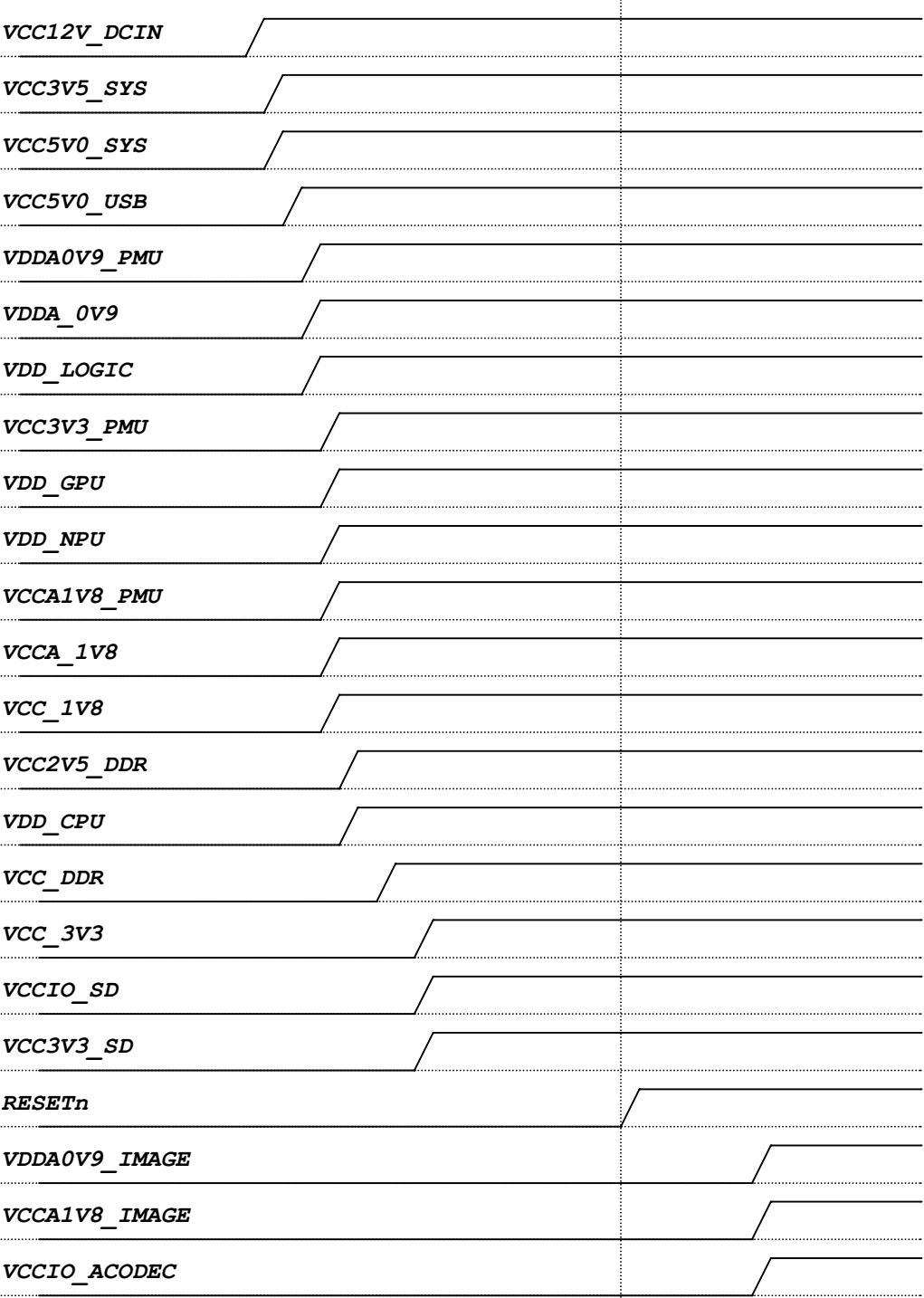
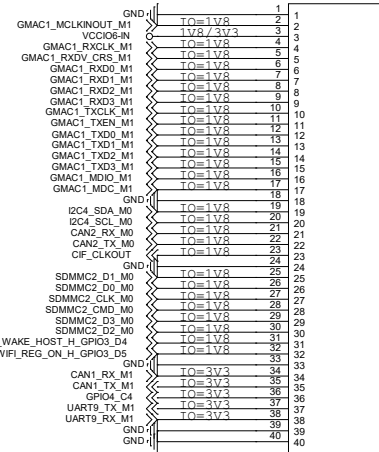


# Power Sequence

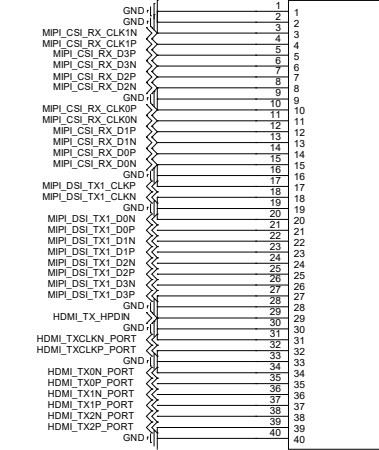


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		Rev 1.0	Page Name: <b>01.POWER MAP</b>
Date: Monday, May 05, 2025		Sheet 2 of 1	Size B

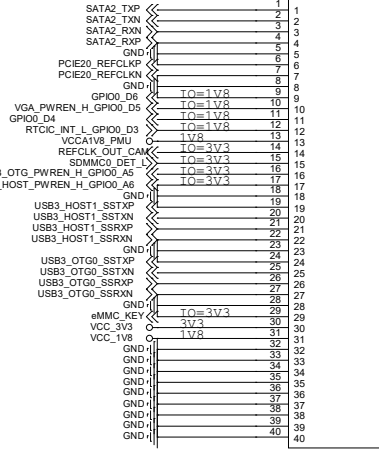
CIF\_CLKIN/EBC\_SDCLK/GMAC1\_MCLKINOUT\_M1/UART1\_CTSn\_M1/I2S2\_SCLK\_RX\_M1/GPIO4\_C1\_d  
电源输入 VCCIO6  
CIF\_D13/EBC\_SDD013/GMAC1\_RXCLK\_M1/UART1\_RX\_M2/PDM\_SDI3\_M1/GPIO4\_A3\_d  
ISP\_FLASHTRIGOUT/EBC\_SDCE0/GMAC1\_RXDV CRS\_M1/I2S1\_SDO2\_M1/GPIO4\_B1\_d  
CAM\_CLKOUT1/EBC\_SDC2/GMAC1\_RXD0\_M1/SPI3\_CS0\_M1/I2S1\_LRCK\_RX\_M1/GPIO4\_B3\_d  
CAM\_CLKOUT1/EBC\_SDC2/GMAC1\_RXD0\_M1/SPI3\_CS0\_M1/I2S1\_LRCK\_RX\_M1/GPIO4\_B3\_d  
CIF\_D11/EBC\_SDD011/GMAC1\_RXD2\_M1/PDM\_SDI1\_M1/GPIO4\_A1\_d  
CIF\_D12/EBC\_SDD012/GMAC1\_RXD3\_M1/UART7\_TX\_M2/PDM\_SDI2\_M1/GPIO4\_A2\_d  
CIF\_D10/EBC\_SDD010/GMAC1\_TXCLK\_M1/PDM\_CLK1\_M1/GPIO4\_A0\_d  
ISP\_FLASHTRIGOUT/EBC\_SDC0/GMAC1\_TXEN\_M1/SPI3\_CS0\_M1/I2S1\_LRCK\_RX\_M1/GPIO4\_B3\_d  
CIF\_D14/EBC\_SDD014/GMAC1\_TXD0\_M1/UART9\_TX\_M2/I2S2\_LRCK\_TX\_M1/GPIO4\_A4\_d  
CIF\_D15/EBC\_SDD015/GMAC1\_TXD1\_M1/UART9\_RX\_M2/I2S2\_LRCK\_RX\_M1/GPIO4\_A5\_d  
CIF\_D8/EBC\_SDD08/GMAC1\_TXD2\_M1/UART1\_TX\_M1/PDM\_CLK0\_M1/GPIO2\_D6\_d  
CIF\_D9/EBC\_SDD09/GMAC1\_TXD3\_M1/UART1\_RX\_M1/PDM\_SDI0\_M1/GPIO2\_D7\_d  
CIF\_VSYNC/EBC\_SDO6/GMAC1\_MDIO\_M1/GPIO4\_C2\_d  
CIF\_HREF/EBC\_SDL6/GMAC1\_MDC\_M1/UART1\_RTSn\_M1/I2S2\_MCLK\_M1/GPIO4\_B6\_d  
I2C4\_SDA\_M0/EBC\_VCOM/GMAC1\_RXER\_M1/SPI3\_MOSI\_M0/I2S2\_SDI1\_M1/GPIO4\_B2\_d  
I2C4\_SCL\_M0/EBC\_VCOM/GMAC1\_RXER\_M1/SPI3\_MOSI\_M0/I2S2\_SDI1\_M1/GPIO4\_B2\_d  
I2C2\_SDA\_M1/EBC\_GDSP/CAN2\_RX\_M0/ISP\_FLASH\_TRIGIN/VOP\_BT656\_CLK\_M1/GPIO4\_B4\_d  
I2C2\_SCL\_M1/EBC\_GDSP/CAN2\_TX\_M0/I2S1\_SDO2\_M1/GPIO4\_B5\_d  
CIF\_CLKOUT/EBC\_SDL6/GMAC1\_MDC\_M1/UART1\_RTSn\_M1/I2S2\_MCLK\_M1/GPIO4\_B6\_d  
CIF\_D1/EBC\_SDD01/SDMMC2\_D1\_M0/I2S1\_SCLK\_TX\_M1/VOP\_BT656\_D1\_M1/GPIO3\_C7\_d  
CIF\_D0/EBC\_SDD00/SDMMC2\_D0\_M0/I2S1\_MCLK\_M1/VOP\_BT656\_D0\_M1/GPIO3\_C6\_d  
CIF\_D3/EBC\_SDD03/SDMMC2\_CLK\_M0/I2S1\_SDI1\_M1/VOP\_BT656\_D3\_M1/GPIO3\_D3\_d  
CIF\_D4/EBC\_SDD04/SDMMC2\_CMD\_M0/I2S1\_SDO2\_M1/VOP\_BT656\_D4\_M1/GPIO3\_D4\_d  
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CIF\_D7/EBC\_SDD07/SDMMC2\_D7\_M0/I2S1\_LRCK\_TX\_M1/VOP\_BT656\_D7\_M1/GPIO3\_D0\_d  
CIF\_D6/EBC\_SDD06/SDMMC2\_DET\_M0/I2S1\_SDI2\_M1/VOP\_BT656\_D6\_M1/GPIO3\_D5\_d  
CIF\_D7/EBC\_SDD07/SDMMC2\_PWREN\_M0/I2S1\_SDI3\_M1/VOP\_BT656\_D7\_M1/GPIO3\_D5\_d  
PWM14\_M1/SPI3\_CLK\_M1/CAN1\_RX\_M1/PCIE30X2\_CLKREQn\_M2/I2S3\_MCLK\_M1/GPIO4\_C3\_d  
PWM15\_IR\_M1/SPI3\_MOSI\_M1/CAN1\_TX\_M1/PCIE30X2\_WAKEN\_M2/I2S3\_LRCK\_M1/GPIO4\_C4\_d  
EDP\_HPDIN\_M0/SPDIF\_TX\_M2/SATA2\_ACT\_LED/PCIE30X2\_PERSTn\_M2/I2S3\_LRCK\_M1/GPIO4\_C4\_d  
PWM12\_M1/SPI3\_MISO\_M1/SATA1\_ACT\_LED/UART9\_TX\_M1/I2S3\_SDI0\_M1/GPIO4\_C5\_d  
PWM13\_M1/SPI3\_CS0\_M1/SATA0\_ACT\_LED/UART9\_RX\_M1/I2S3\_SDI1\_M1/GPIO4\_C6\_d  
GND  
GND



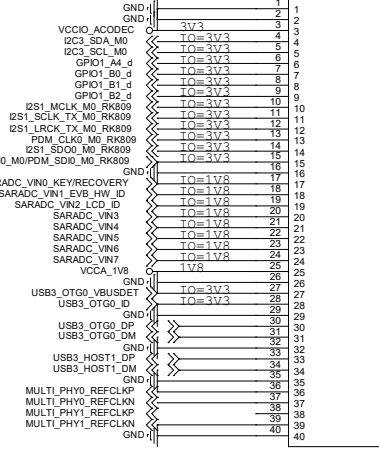
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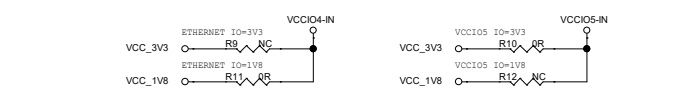
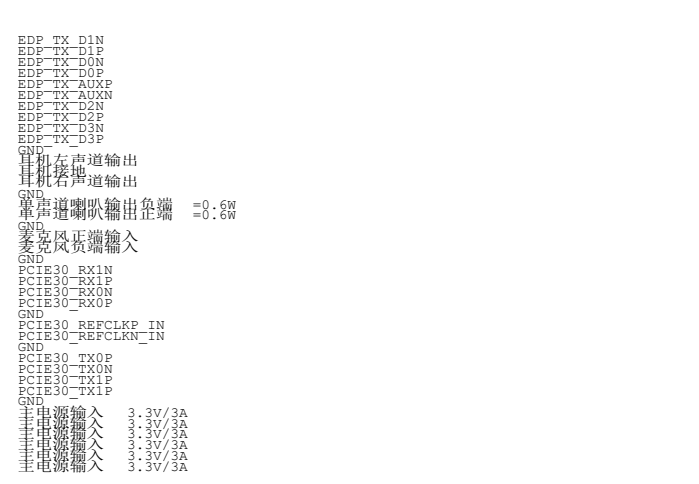
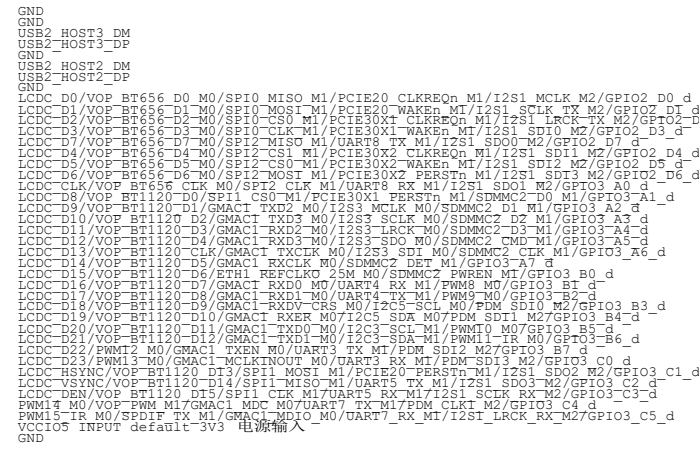
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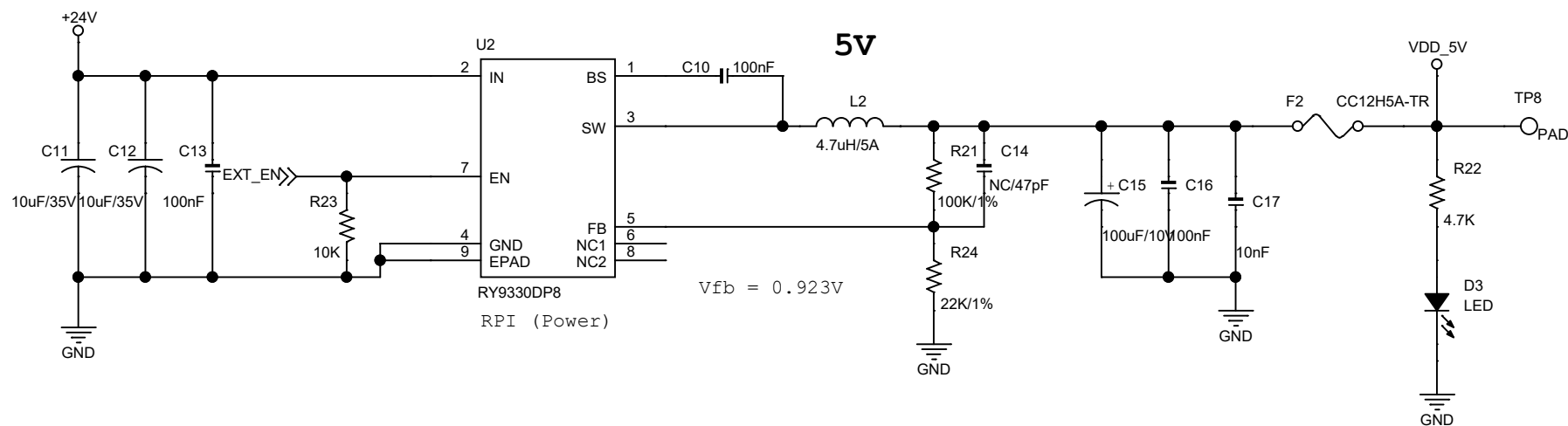
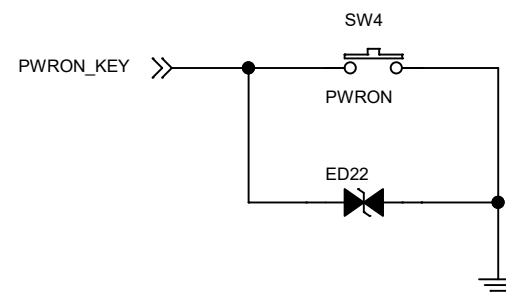
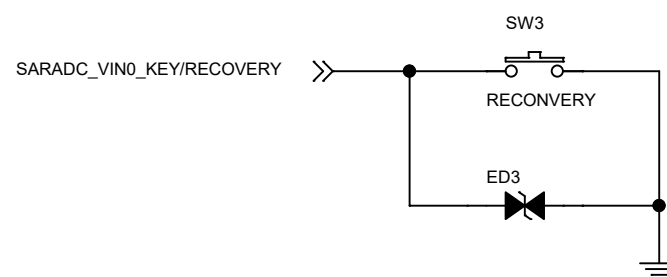
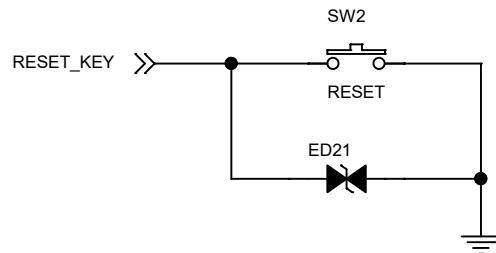
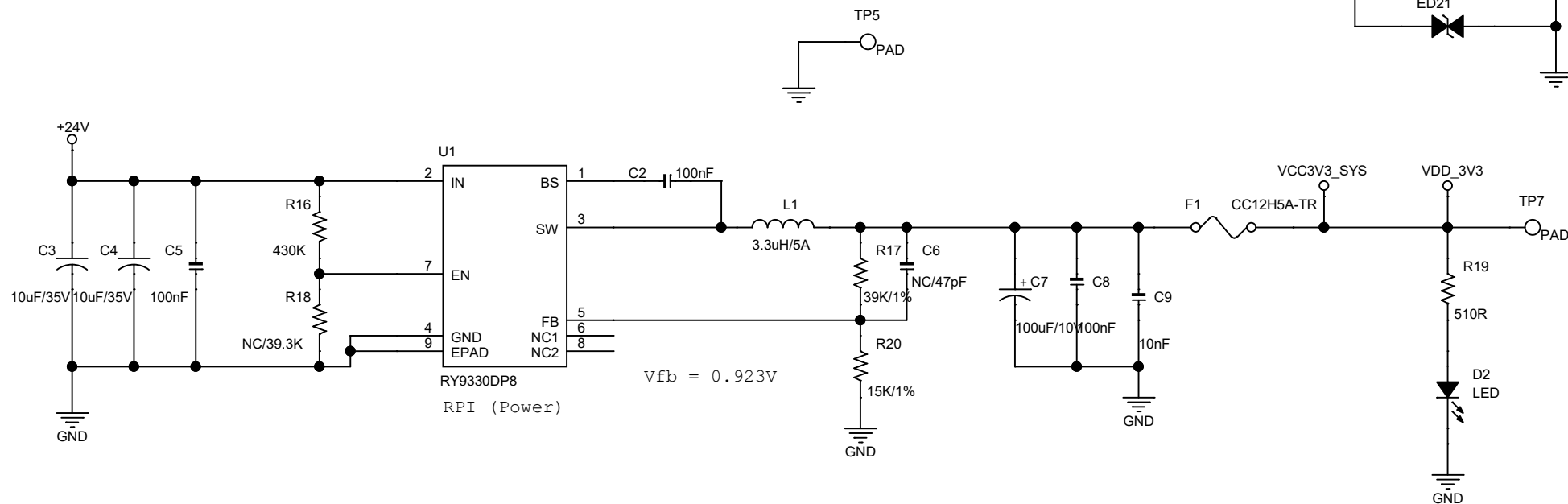
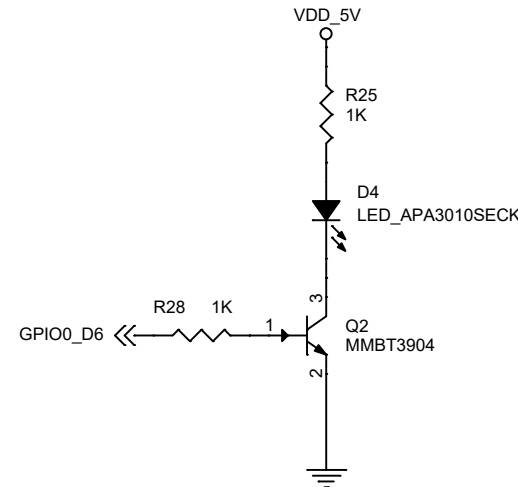
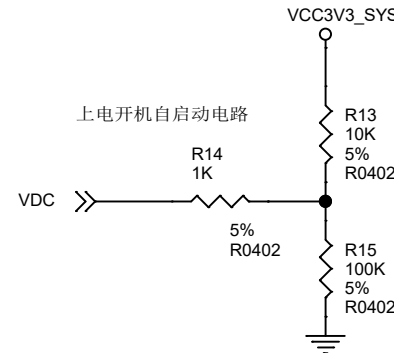
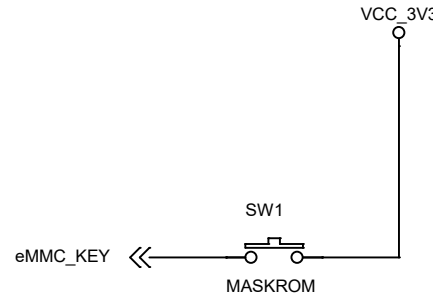
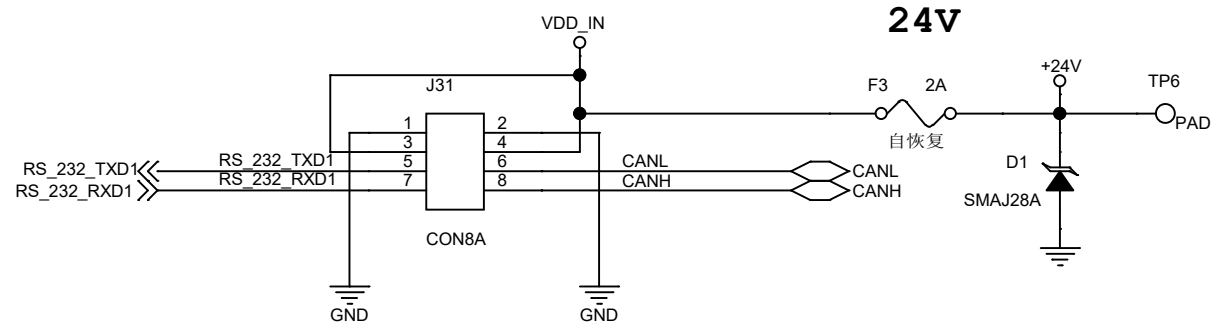


J4 AXKSF80337YG

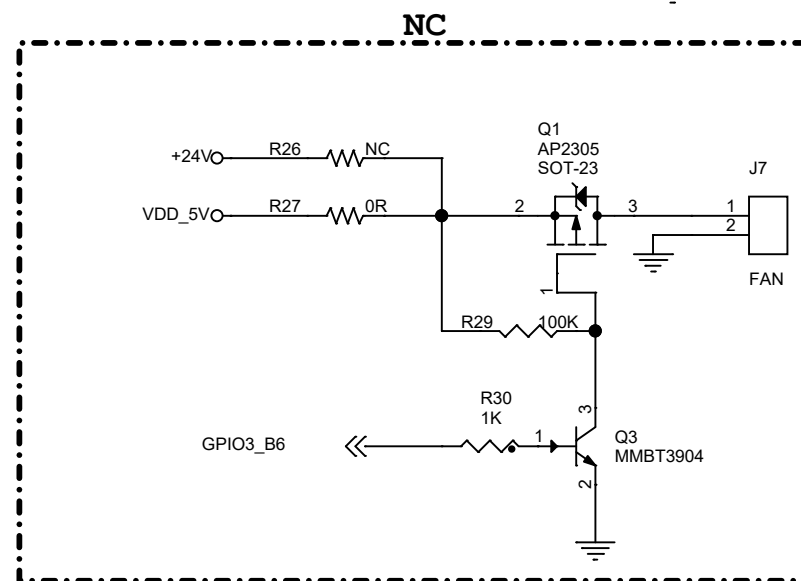


J5 CON10

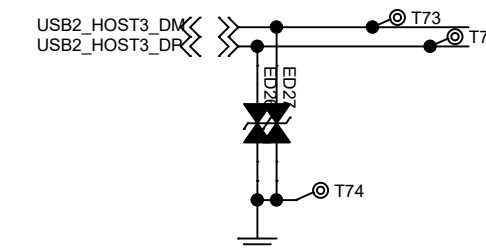
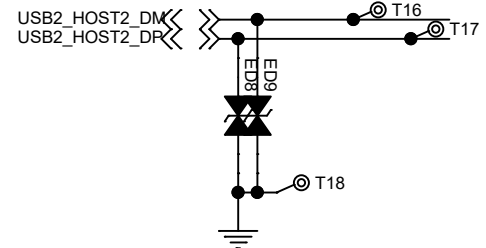
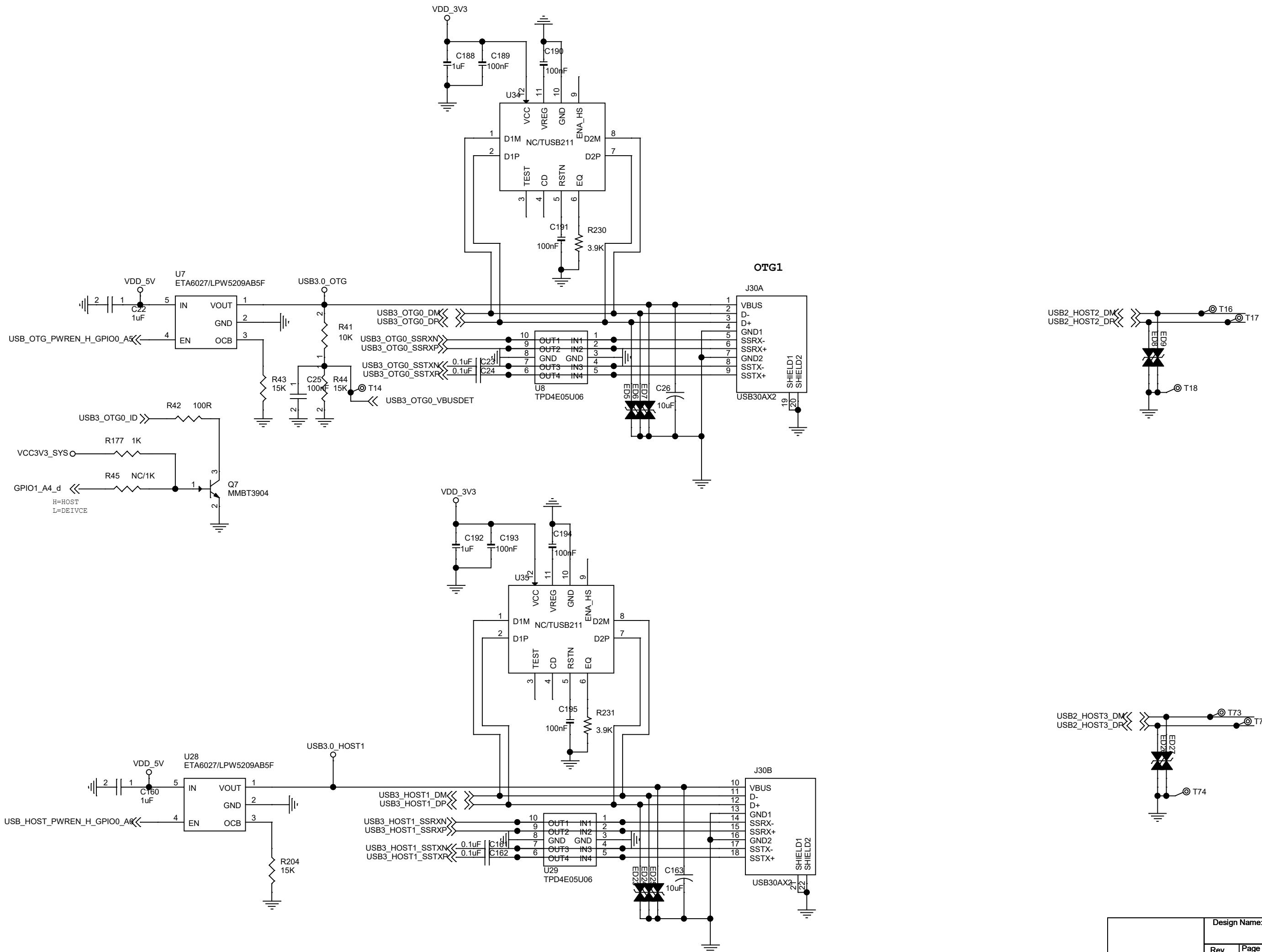


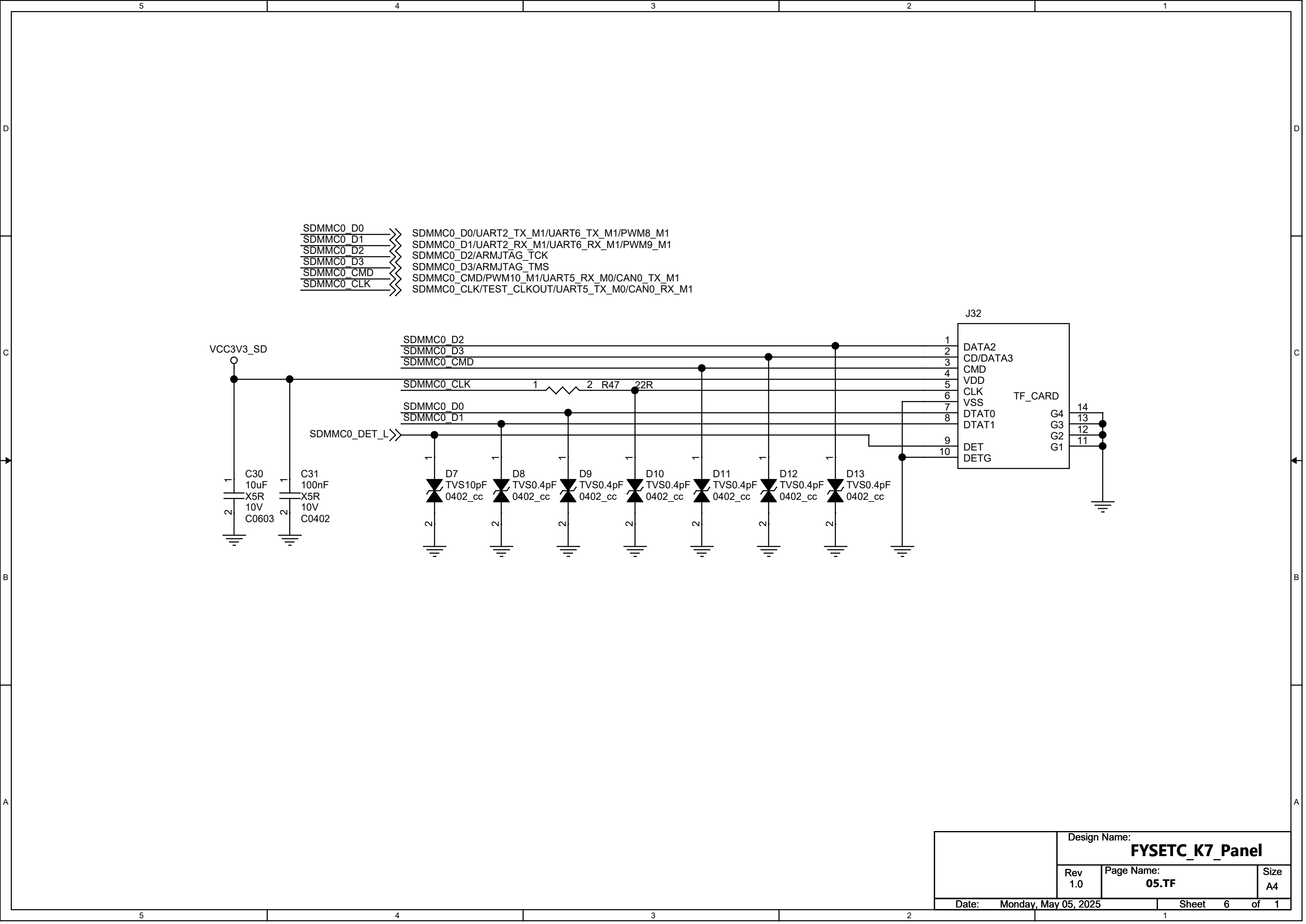


MARK



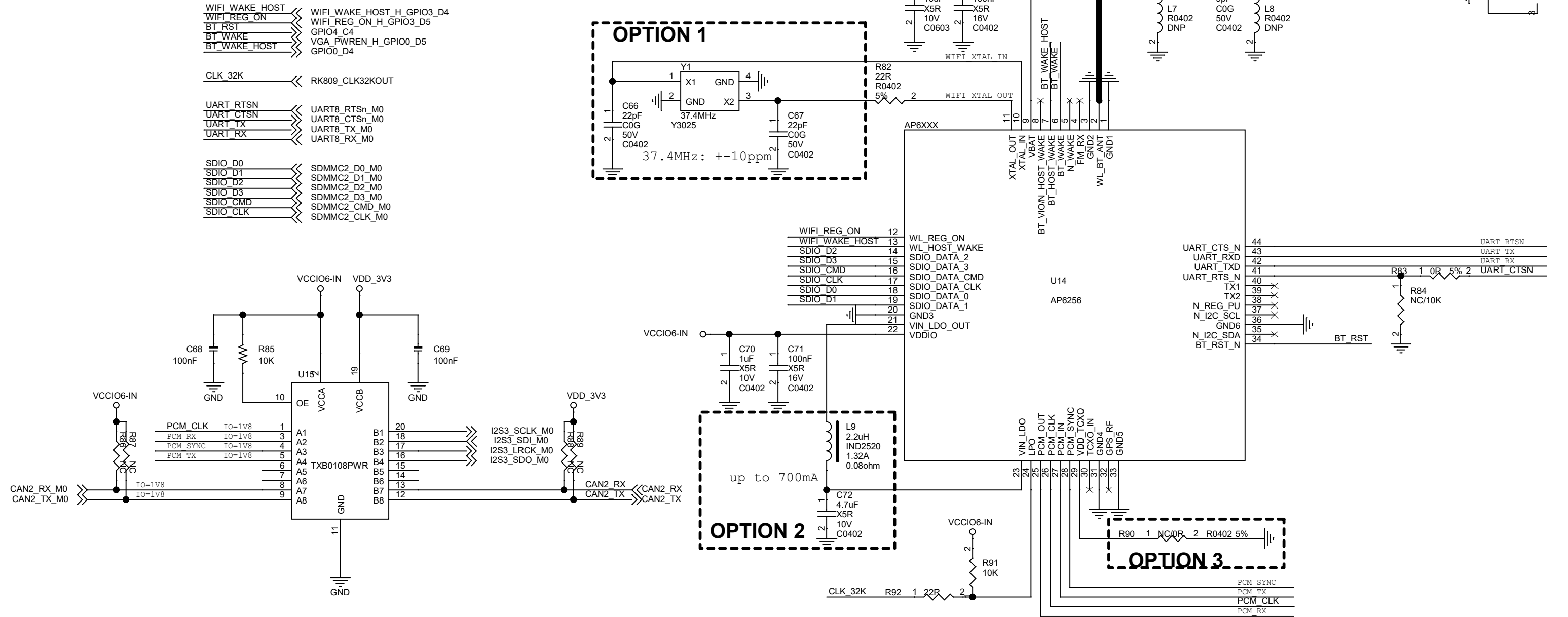
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	Rev 1.0	Page Name: <b>03.POWER</b>	Size A3
	Date: Monday, May 05, 2025		
		Sheet 4 of 1	







WIFI/BT Module

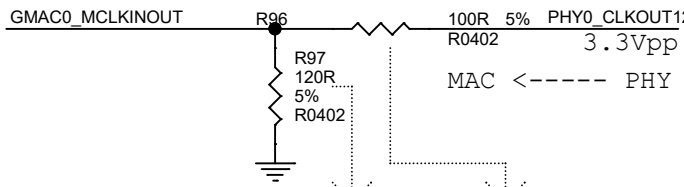
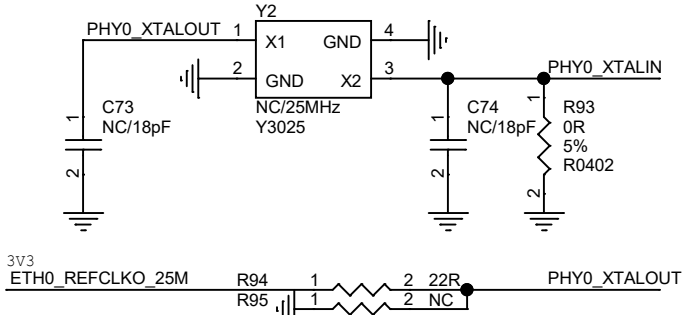


WIFI module		
Pin	AP6255	UWE5622
6	BT_WAKE	CHIP_EN
7	BT_HOST_WAKE	AP_INT
12	WL_REG_ON	RST_N
13	WL_HOST_WAKE	SD_INT

OPTION	WIFI				BT	Crystals	VCCIO_SDIO	OPTION1	OPTION2	OPTION3
	a	b/g/n	ac	5GHz						
AW-CM256SM	Yes	Yes	Yes	Yes	4.2	37.4MHz	1.71-3.63V	Yes	Yes	Yes@SDIO2.0 No@SDIO3.0
AP6236/AP6212	No	Yes	No	No	4.2/4.0	26MHz	1.71-3.63V	Yes	Yes	No
AP6256/AP6255	Yes	Yes	Yes	Yes	5.0/4.2	37.4MHz	1.62-3.63V	Yes	Yes	Yes@SDIO2.0 No@SDIO3.0
RTL8189FTV Module F89FTSM12-W3	No	Yes	No	No	No	Module Integrated	1.8-3.3V	No	No	No
RTL8723DS Module 6223A-SRD	No	Yes	No	No	4.2	Module Integrated	1.62-3.63V	No	No	No
QCA9377 Module 8223A-SR	Yes	Yes	Yes	Yes	4.2	Module Integrated	1.7-3.45V	No	No	No
RTL8821CS Module 6221A-SRC	Yes	Yes	Yes	Yes	4.2	Module Integrated	1.7-3.45V	No	No	No
UWE5622	Yes	Yes	Yes	Yes	5.0	Module Integrated	1.62-1.98V	No	No	No

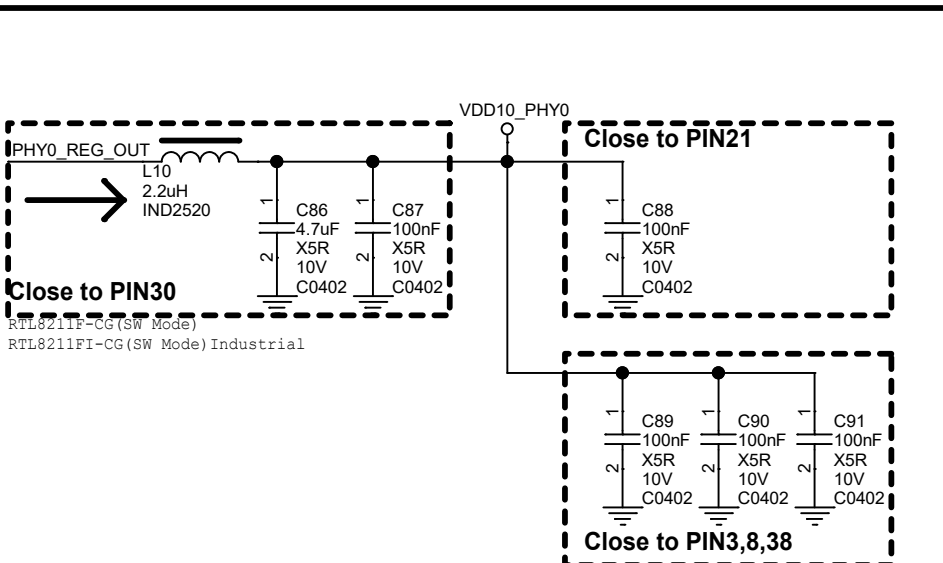
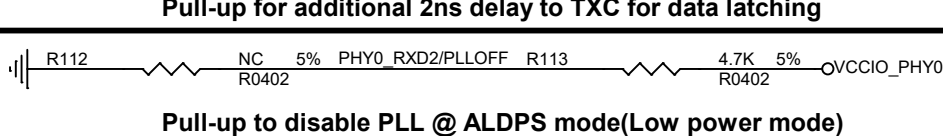
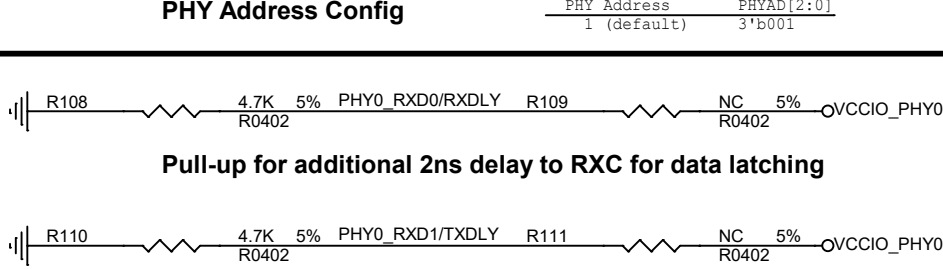
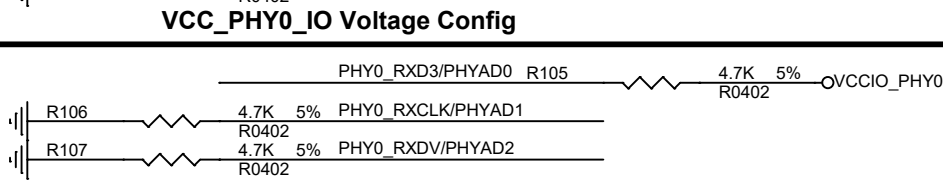
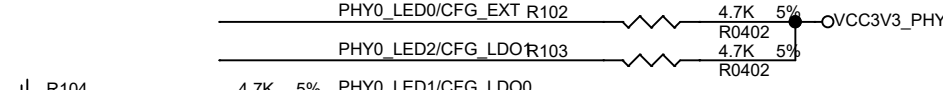
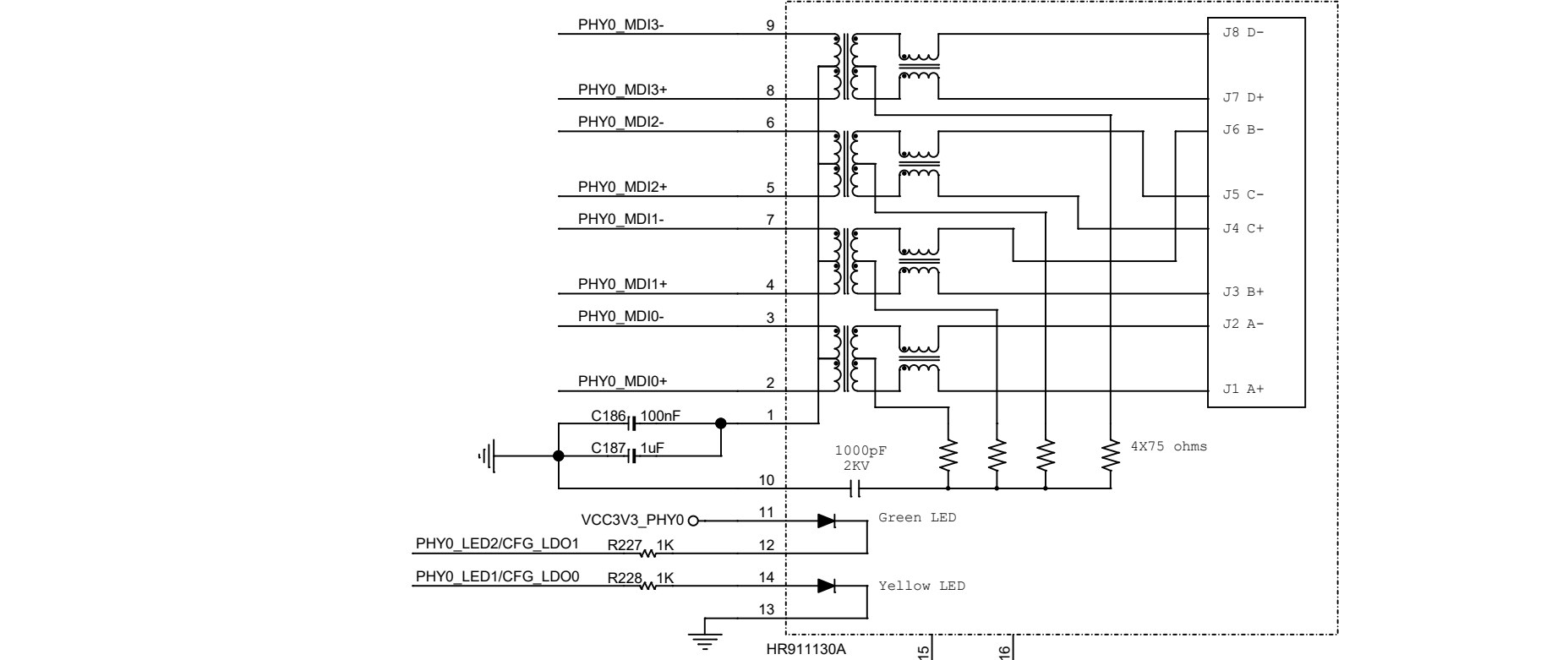
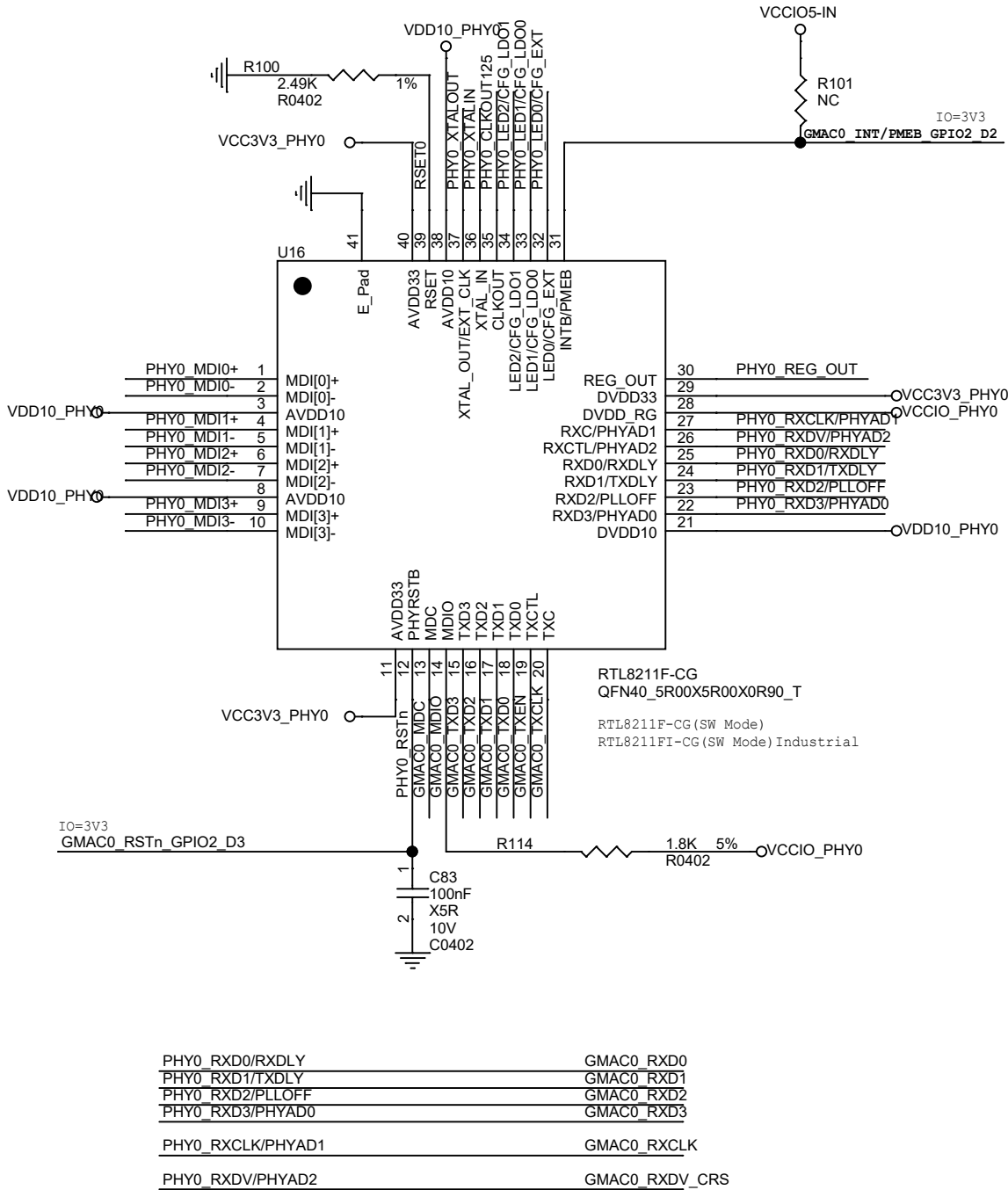


GMAC0\_TXD0  
GMAC0\_TXD1  
GMAC0\_TXD2  
GMAC0\_TXD3  
GMAC0\_TXEN  
GMAC0\_TXCLK  
GMAC0\_RXD0  
GMAC0\_RXD1  
GMAC0\_RXD2  
GMAC0\_RXD3  
GMAC0\_RXDV\_CRS  
GMAC0\_RXCLK  
ETH0\_REFCLKO\_25M  
GMAC0\_MCLKINOUT  
GMAC0\_MDC  
GMAC0\_MDIO  
GMAC0\_RSTn\_GPIO2\_D3  
GMAC0\_INT/PMEB\_GPIO2\_D2



VCCIO_PHY0=3.3V	DNP	22R
VCCIO_PHY0=1.8V	120R	100R

Default



RGMI Power Source	CFG EXT	CFG LDO[1:0]	
External 3.3V	1'b1	2'b00	
External 1.8V (default)	1'b1	2'b10	
Internal 1.8V	1'b0	2'b10	

