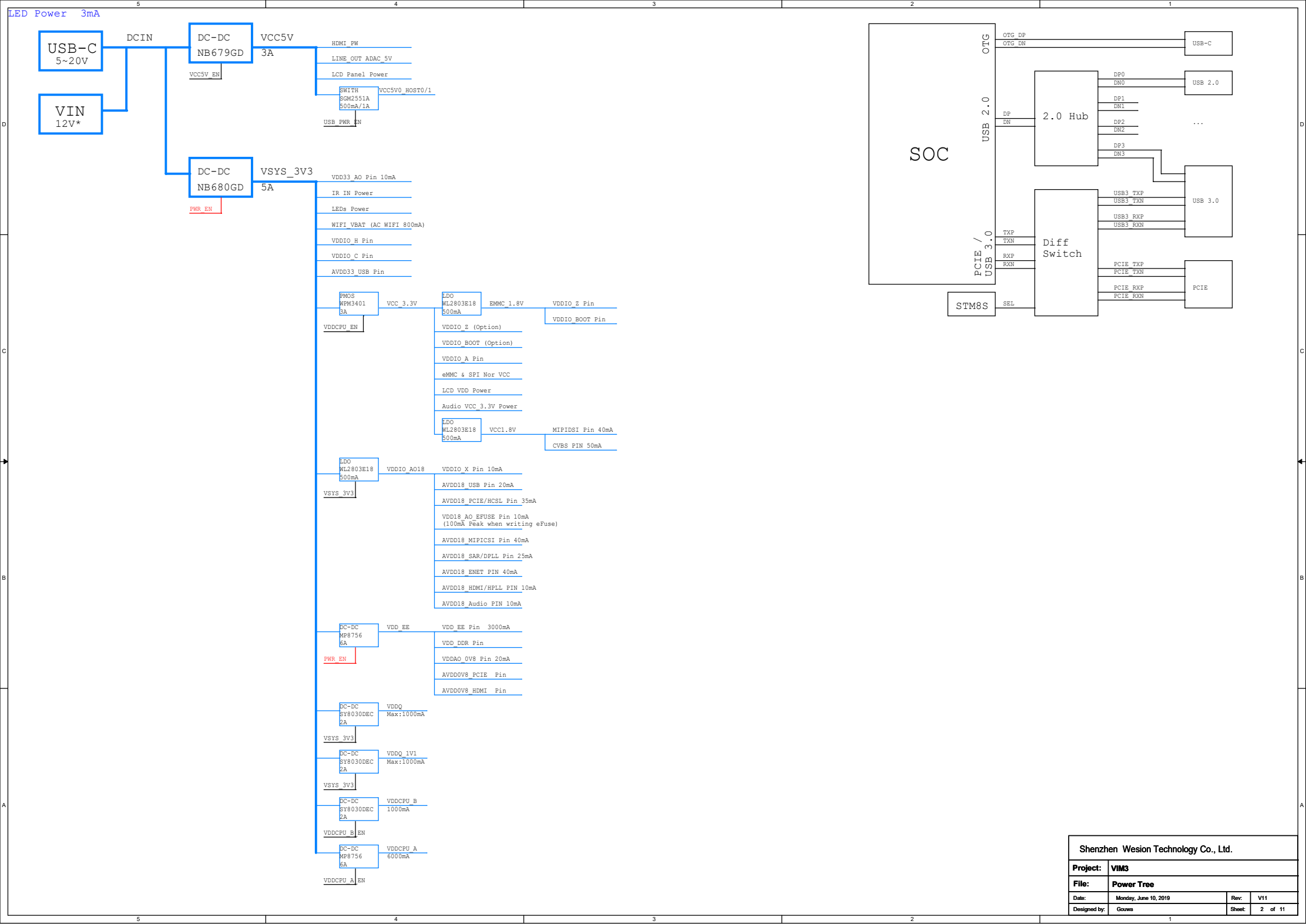


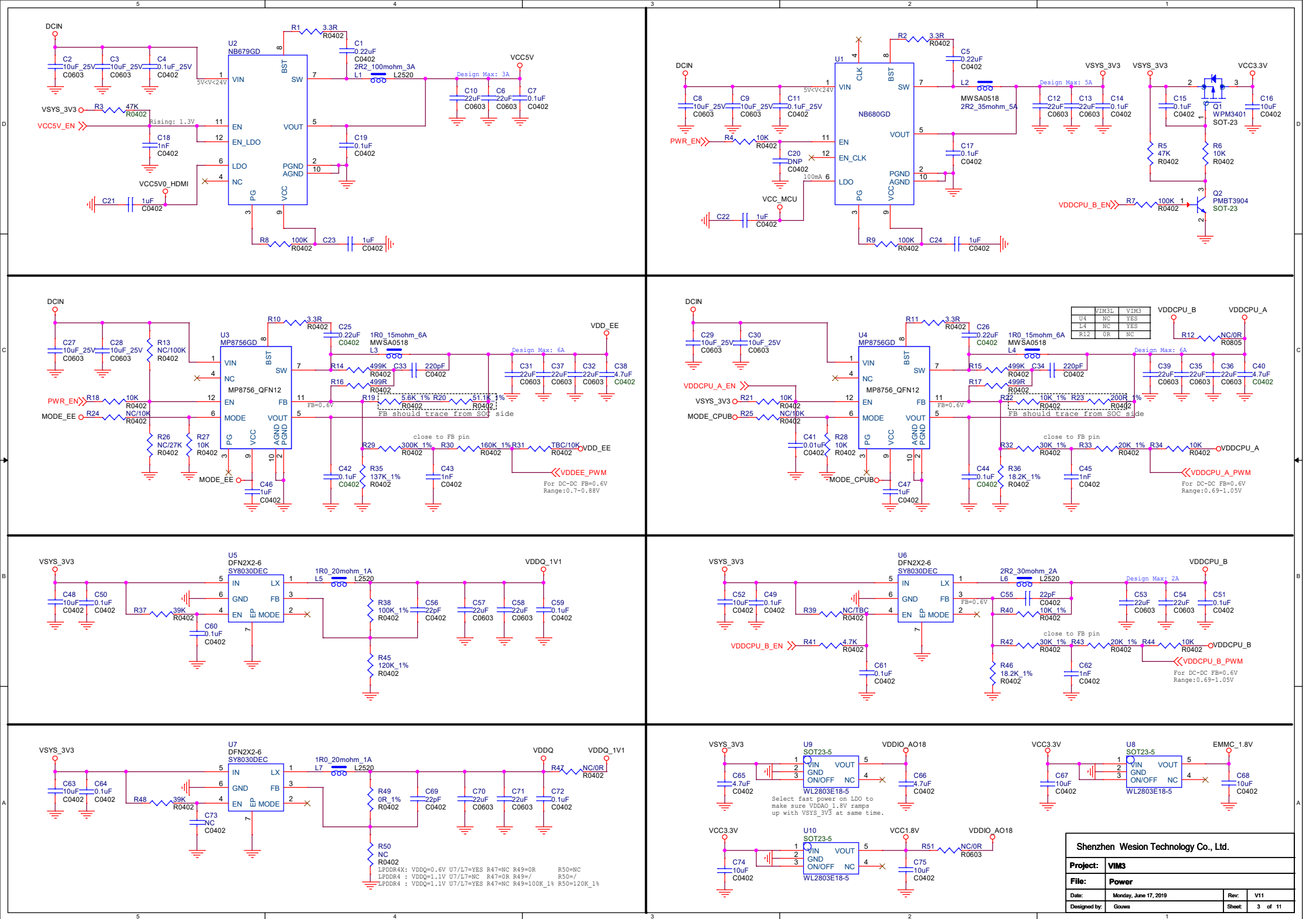


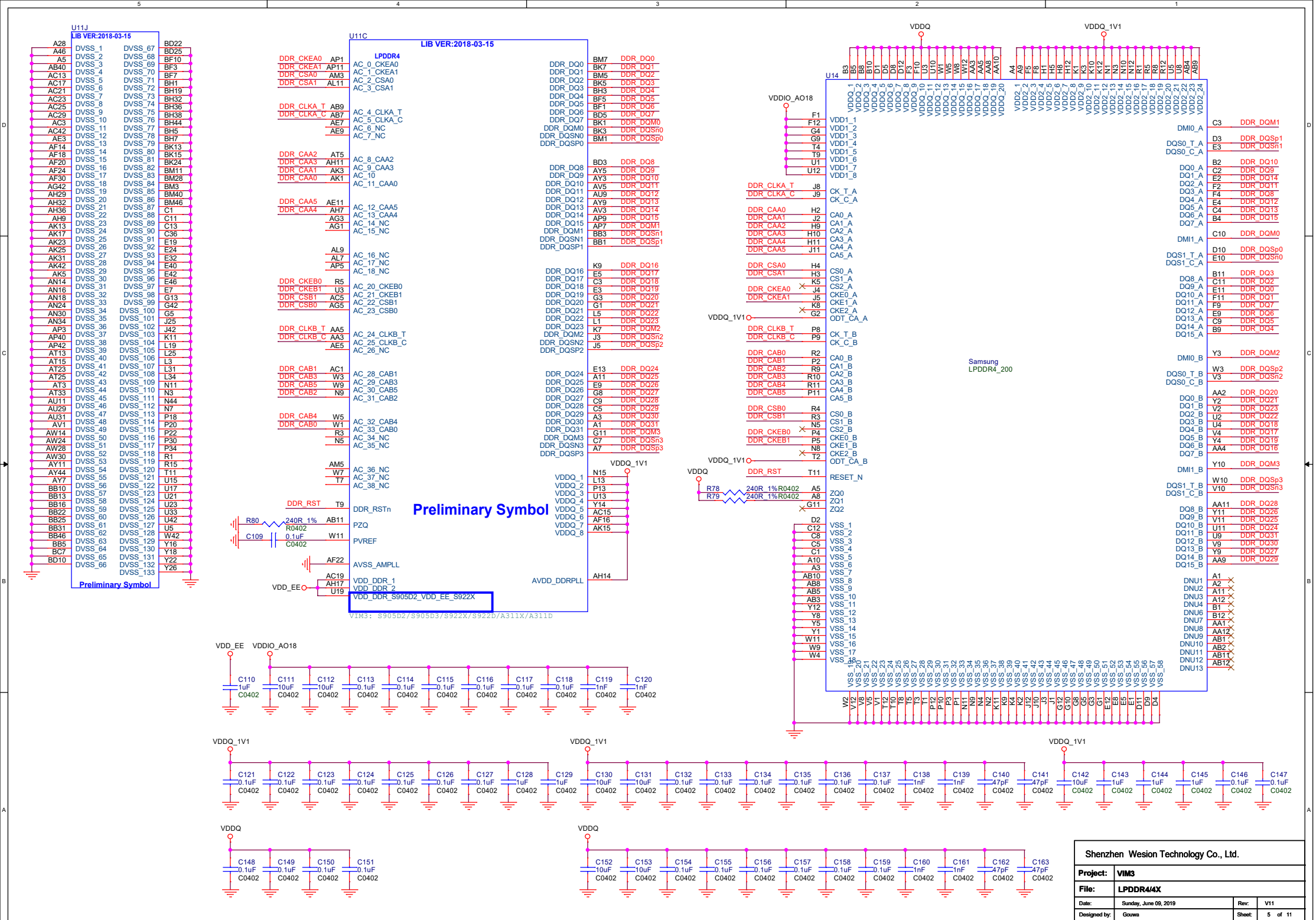
KHADAS

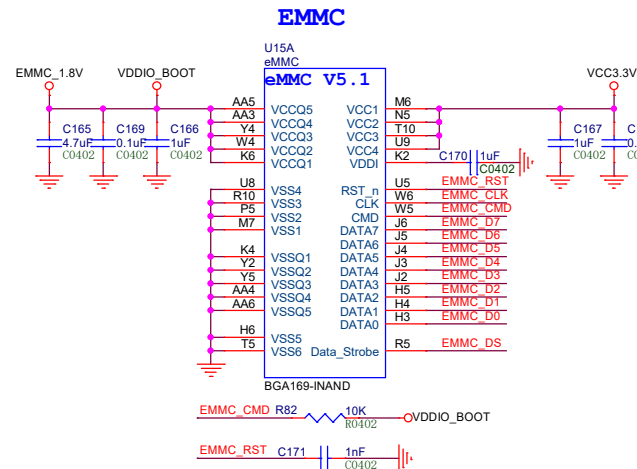
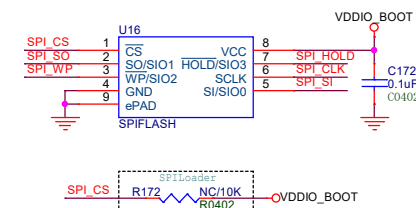
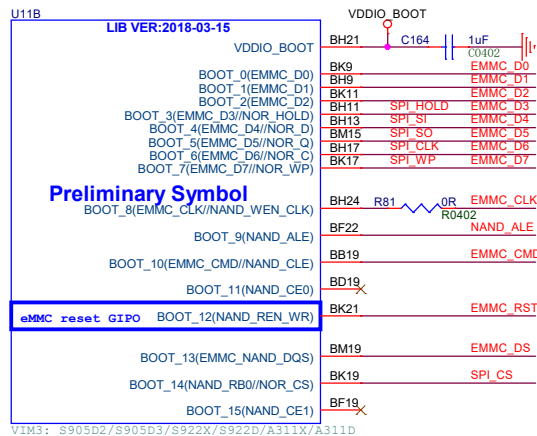
Something a little different.

Shenzhen Wesion Technology Co., Ltd.			
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File:	Khadas		
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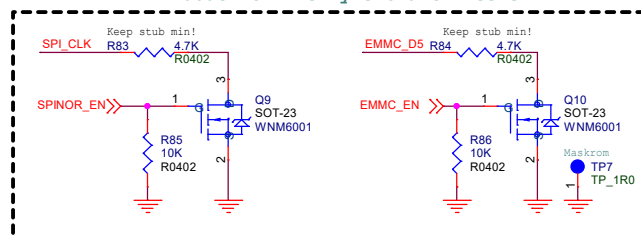






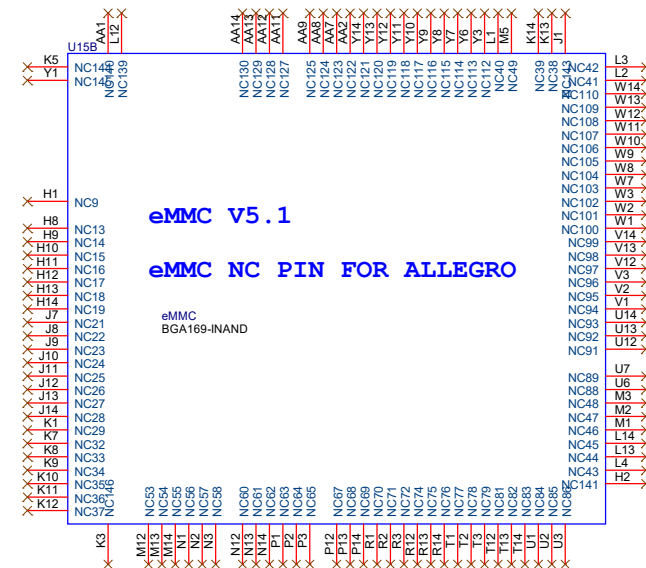


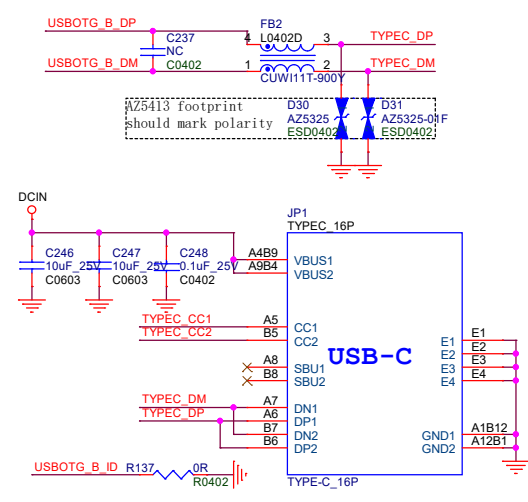
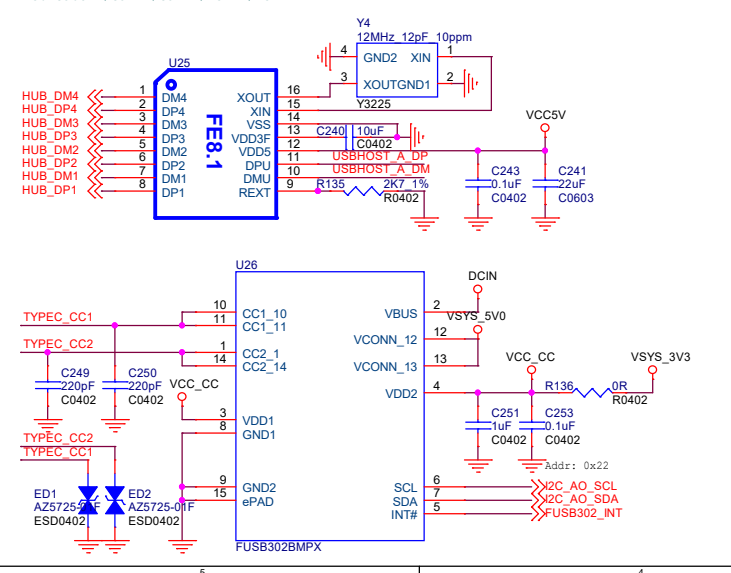
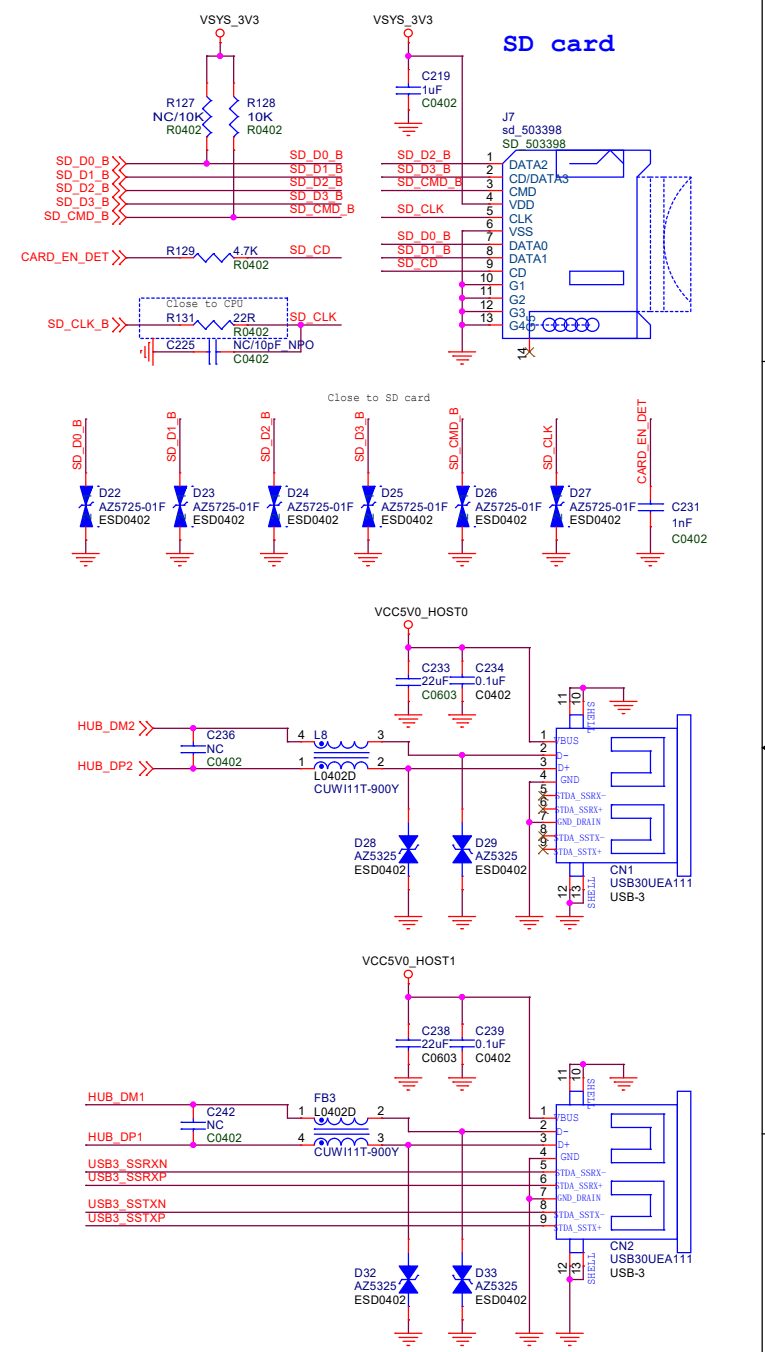
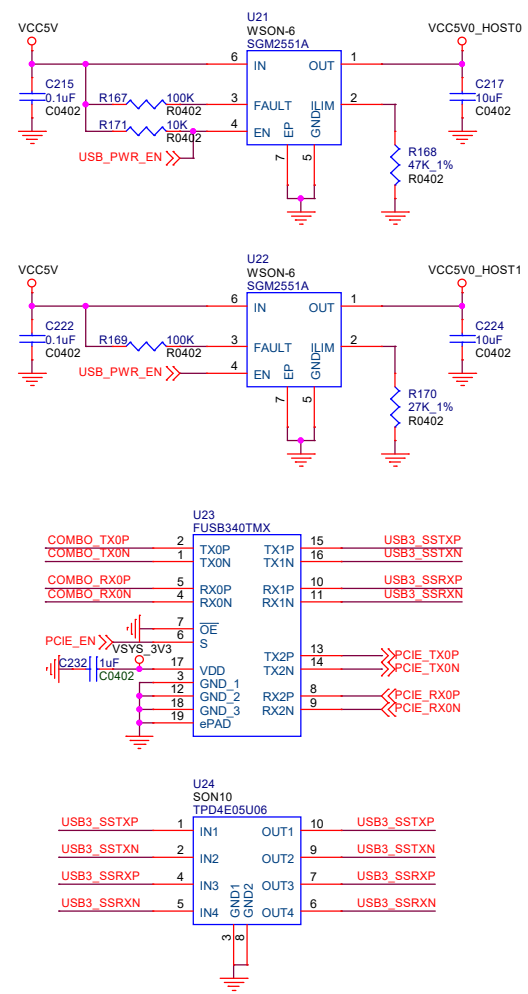
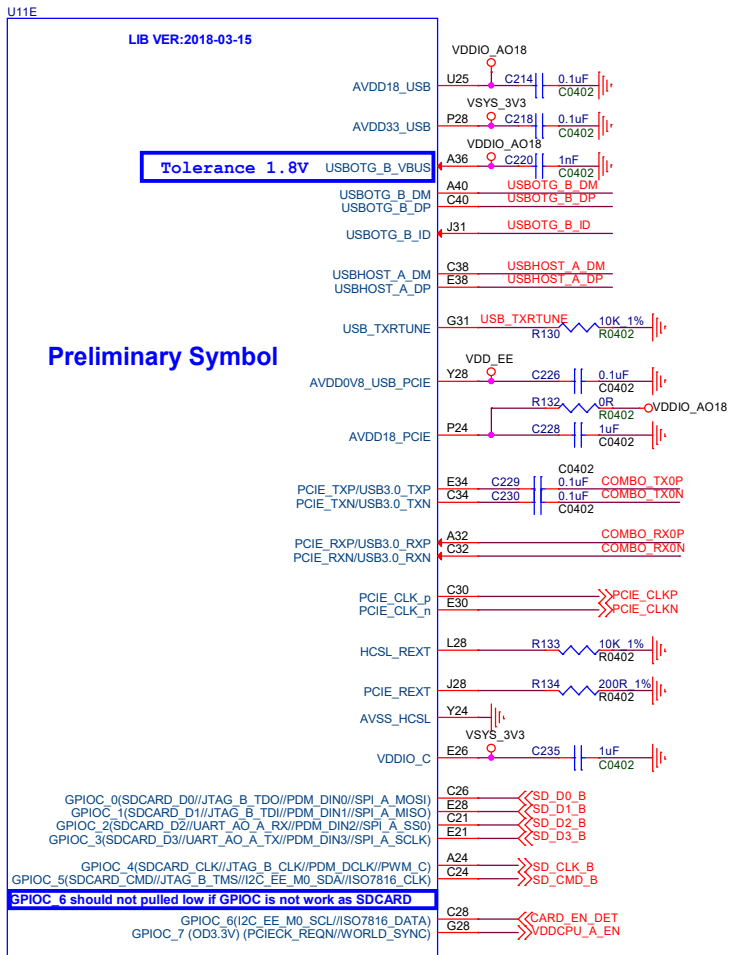
Khadas TST: Terry's Smart Tweezer



Bootling Sequence Diagram

EMMC EN	SPINOR EN	1st Boot	2nd Boot	3rd Boot	4th Boot
0	0	eMMC	SD Card	USB	-
0	1	SPI Flash	eMMC	SD Card	USB
1	0	USB	eMMC	SD Card	-
1	1	USB	SPI Flash	eMMC	SD Card





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Preliminary Symbol

GPIO_0(SDIO_D0//PDM_DIN0//TSIN_A_DIN0)
GPIO_1(SDIO_D1//PDM_DIN1//TSIN_A_SOP)
GPIO_2(SDIO_D2//PDM_DIN2//TSIN_A_VALID)
GPIO_3(SDIO_D3//PDM_DIN3//TSIN_A_CLK//PWM_D)
GPIO_4(SDIO_CLK//PDM_DCLK)
GPIO_5(SDIO_CMD//MCLK_1//PWM_C)
GPIO_6(PWM_A//UART_EE_B_TX//PWM_D)
GPIO_7(PWM_F//UART_EE_B_RX//PWM_B)
GPIO_8(TDMA_D1//TDMA_DIN1//TSIN_B_SOP//SPI_A_MISO//ISO7816_CLK//PWM_C)
GPIO_9(TDMA_D0//TDMA_DIN0//TSIN_B_VALID//SPI_A_MISO//ISO7816_DATA)
GPIO_10(TDMA_FS//TDMA_SLV_FS//TSIN_B_DIN0//SPI_A_SS0//I2C_EE_M1_SDA)
GPIO_11(TDMA_SCLK//TDMA_SLV_SCLK//TSIN_B_CLK//SPI_A_SCLK//I2C_EE_M1_SCL)
GPIO_12(UART_EE_A_TX)
GPIO_13(UART_EE_A_RX)
GPIO_14(UART_EE_A_CTS)
GPIO_15(UART_EE_A_RTS)
GPIO_16(PWM_E)
GPIO_17(I2C_EE_M2_SDA)
GPIO_18(I2C_EE_M2_SCL)
GPIO_19(PWM_B//WORLD_SYNC//GEN_CLK_EE)

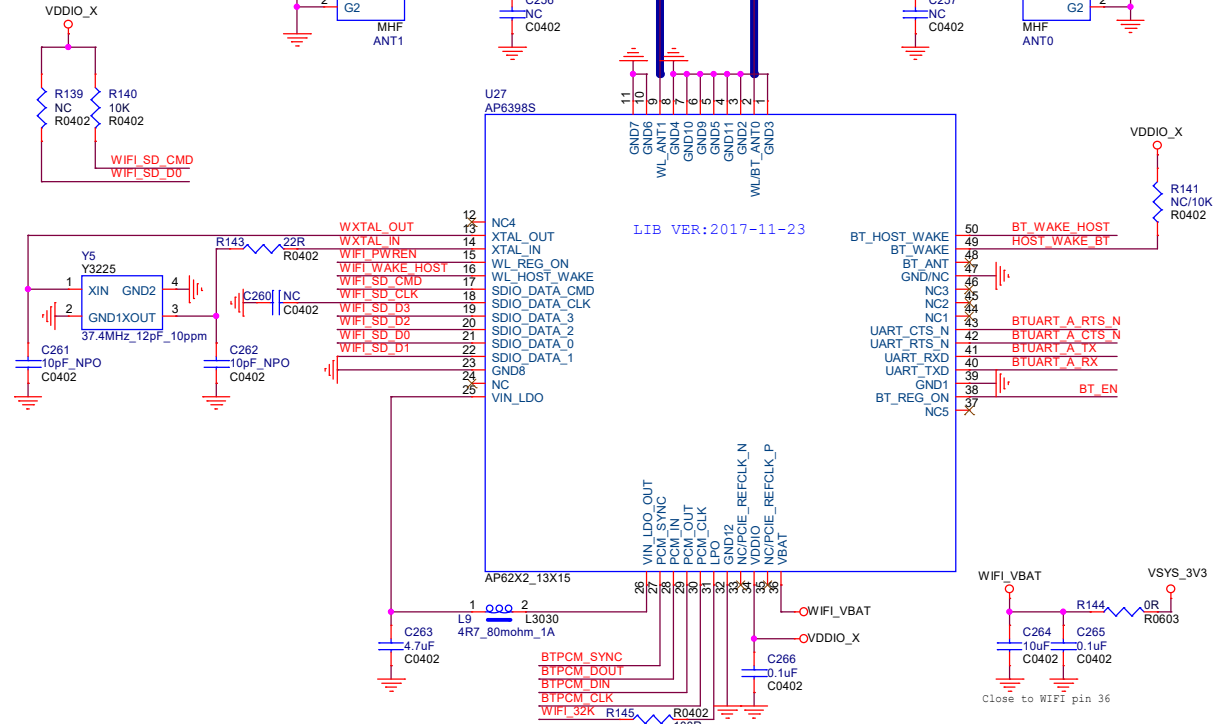
BM32 WIFI_SD_D0
BK32 WIFI_SD_D1
BK34 WIFI_SD_D2
BH34 WIFI_SD_D3
BM36 R142 0R WIFI_SD_CLK
BK38 R0402 WIFI_SD_CMD
BK40 WIFI_PWREN
BH40 WIFI_WAKE_HOST
BB34 BTPCM_DIN
BD34 BTPCM_DOUT
BD31 BTPCM_SYNC
BF34 BTPCM_CLK
BK28 BTUART_A_TX
BH30 BTUART_A_RX
BH28 BTUART_A_CTS_N
BK26 BTUART_A_RTS_N
BK30 WIFI_32K
BF31 BT_EN
BM24 BT_WAKE_HOST
BH26 HOST_WAKE_BT

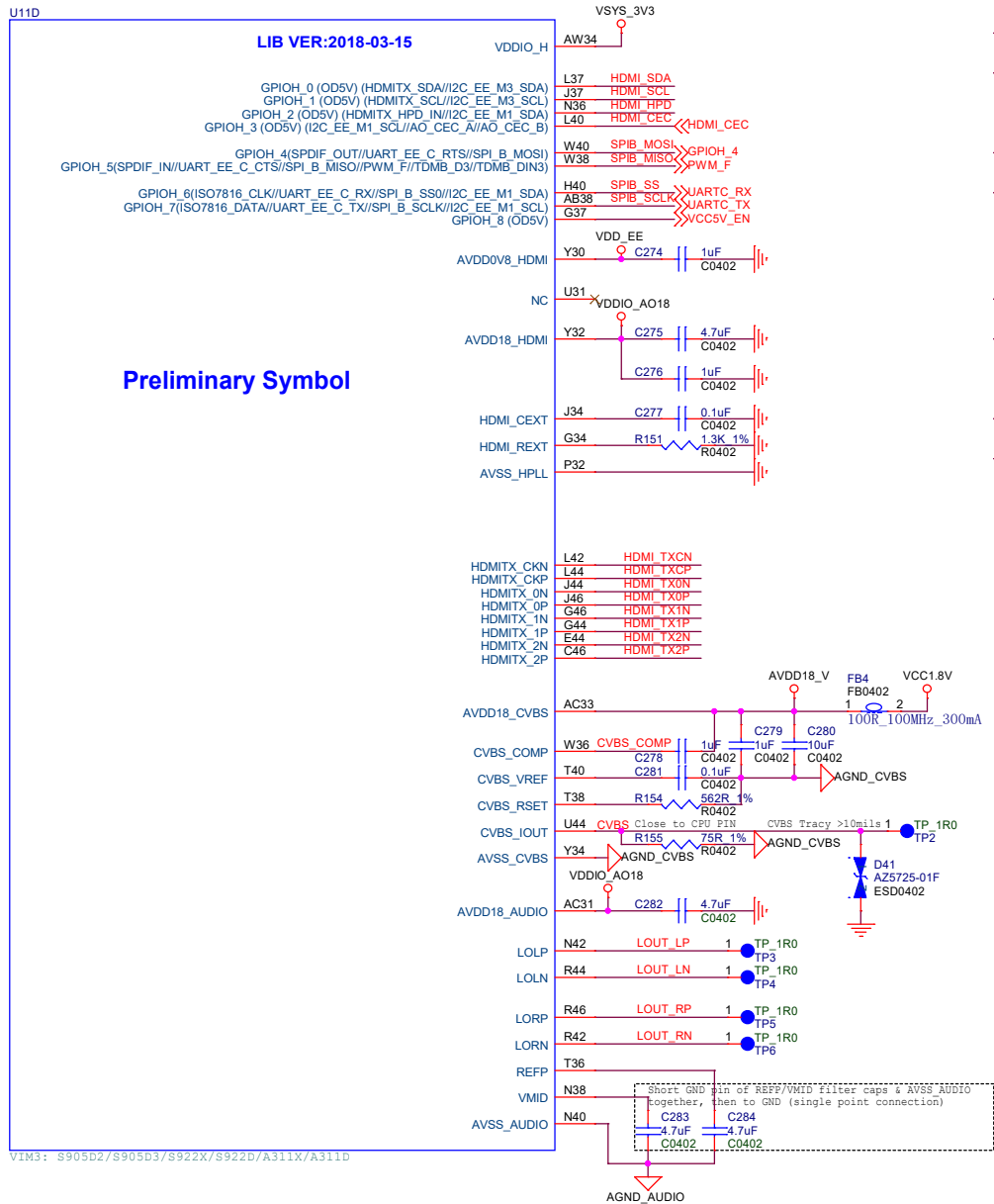
VIM3: S905D2/S905D3/S922X/S922D/A311X/A311D

WiFi & BT ANT

50 ohm impedance RF trace

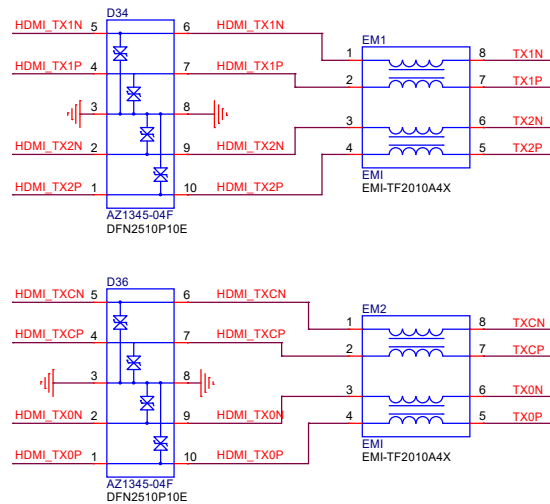
WiFi & BT ANT



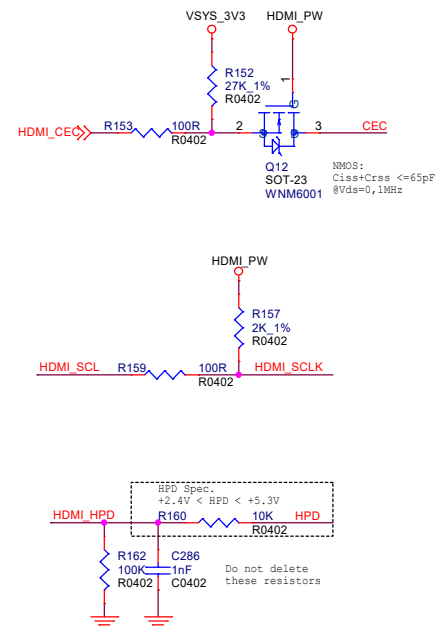
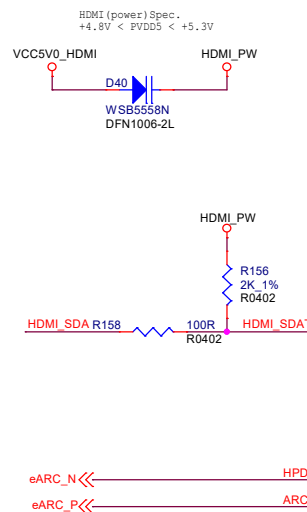
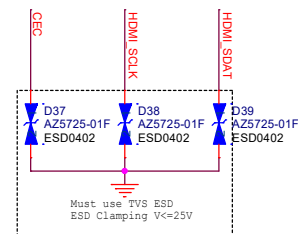
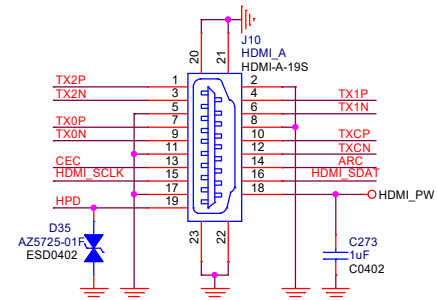


Preliminary Symbol

HDMI output



Type A



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Preliminary Symbol

AVDD18_MIPIDSI

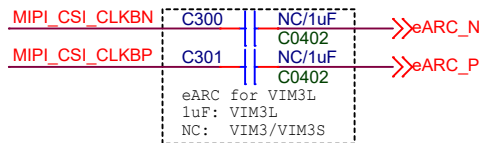
DSI_CLKN
DSI_CLKPDSI_D0N
DSI_D0PDSI_D1N
DSI_D1PDSI_D2N
DSI_D2PDSI_D3N
DSI_D3P

DSI_CEXT

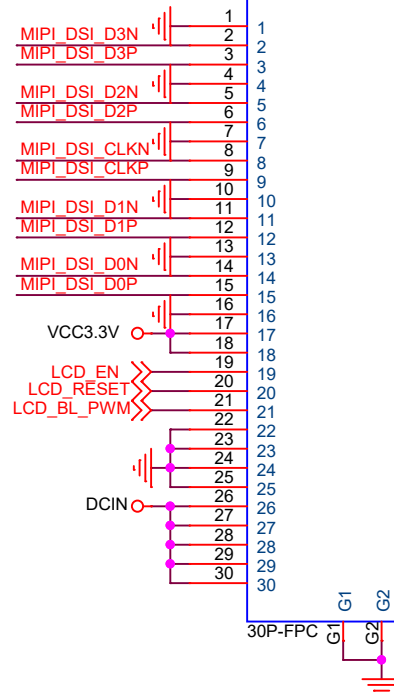
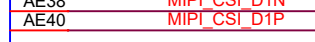
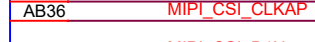
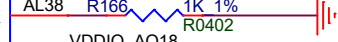
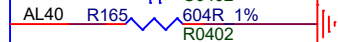
DSI_R600

DSI_R1K

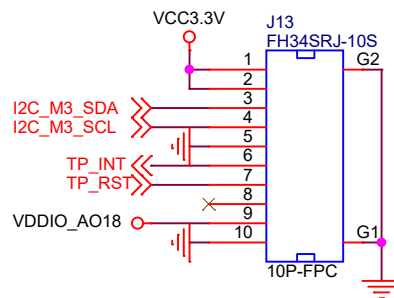
NC(AVDD18_MIPICSI)

NC(CSI_CLKB_N)
NC(CSI_CLKB_P)NC(CSI_D3_N)
NC(CSI_D3_P)NC(CSI_D2_N)
NC(CSI_D2_P)NC(CSI_CLKA_N)
NC(CSI_CLKA_P)NC(CSI_D1_N)
NC(CSI_D1_P)NC(CSI_D0_N)
NC(CSI_D0_P)VIM3: S905D2/S905D3
S922X/S922D/
A311X/A311D

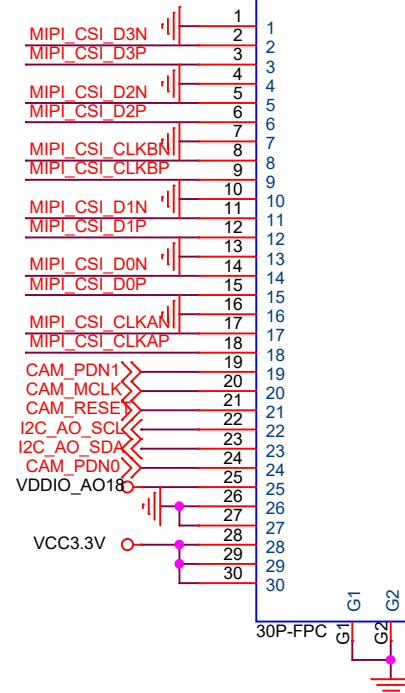
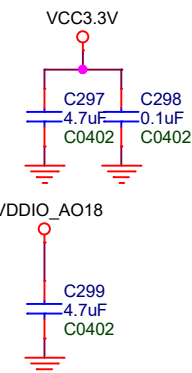
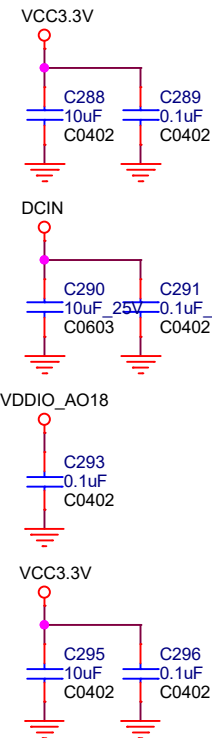
AVDD18_V



MIPI-DSI



TP



Camera0

Shenzhen Wesion Technology Co., Ltd.

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