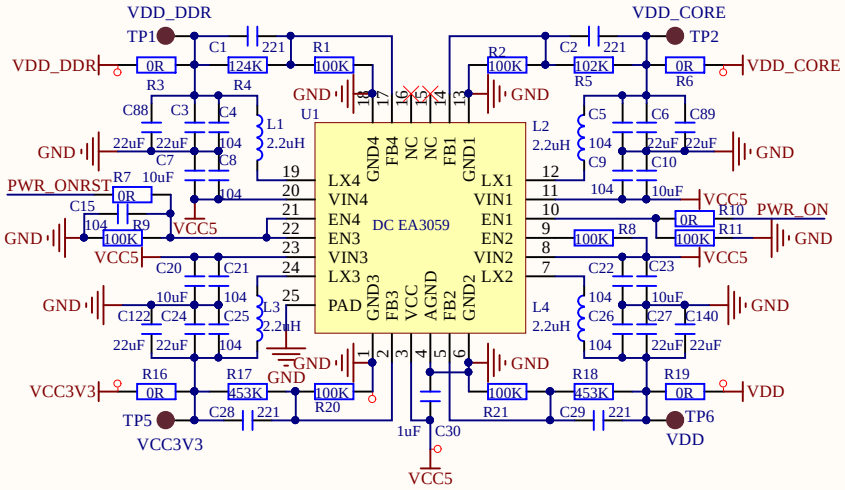
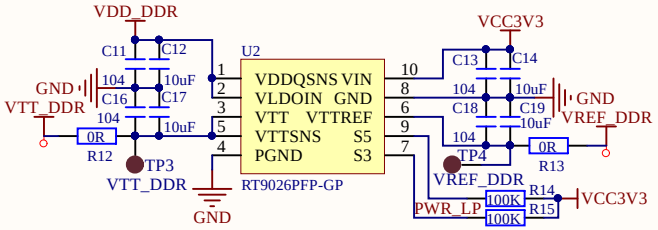
VDD_DDR=1.345V VDD_CORE=1.212V
VCC3V3=3.31V VDD=3.31V



VTT_DDR=1.35/2=0.67V
VREF_DDR=1.35/2=0.67V



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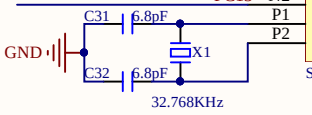
Project: STM32MP157_Core_V1.2.PrjPcb		
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2021-06-09	Version: V1.0	Sheet: 1 of 10

PA0_WKUP	PA0	AA3	PA0/TIM2_TIM5_CH1/TIM2_TIM8_ETR/TIM15_BKIN/USART2_CTS_NSS/UART4_TX/SDMMC2_CMD/SAI2_SD_B/ETH1_GMII_MII_CRS/ADC1_INP16/WKUP1
ETH_RX_CLK	PA1	V4	PA1/ETH_CLK/TIM2_TIM5_CH2/LPTIM3_OUT/TIM15_CH1N/USART2_RTS_DE/UART4_RX/QUADSPI_BK1_IO3/SAI2_MCLK_B/ETH1_GMII_MII_RGMII_RX_CLK/ETH1_RMII_REF_CLK/LCD_R2/ADC1_INP17_INN16
ETH_MDIO	PA2	AB2	PA2/TIM2_TIM5_CH3/LPTIM4_OUT/TIM15_CH1/USART2_TX/SAI2_SCK_B/SDMMC2_D0DIR/ETH1_MDIO/MDIOS_MDIO/LCD_R1/ADC1_INP14/WKUP2
	PA3	T4	PA3/TIM2_TIM5_CH4/LPTIM5_OUT/TIM15_CH2/USART2_RX/LCD_B2/ETH1_GMII_MII_COL/LCD_B5/ADC1_INP15/PVD_IN
ADC118_DAC1	PA4	V6	PA4/HDP0/TIM5_ETR/SAI4_D2/SPI1_SPI3_SPI6_NSS/I2S1_I2S3_WS/USART2_CK/SAI4_FS_A/DCMI_HSYNC/LCD_VSYNC/ADC1_ADC2_INP18/DAC_OUT1
ADC119_DAC2	PA5	U5	PA5/TIM2_CH1/TIM2_ETR/TIM8_CH1N/SAI4_CK1/SPI1_SPI6_SCK/I2S1_CK/SAI4_MCLK_A/LCD_R2/ADC1_ADC2_INP19_INN18/DAC_OUT
DCMI_PIXCLK	PA6	W9	PA6/TIM1_TIN8_BKIN/TIM3_CH1/SAI4_CK2/SPI1_SPI6_MISO/I2S1_SDI/TIM13_CH1/MDIOS_MDC/SAI4_SCK_A/DCMI_PIXCLK/LCD_G2/ADC1_ADC2_INP3
ETH_RX_DV	PA7	Y9	PA7/TIM1_TIM8_CH1N/TIM3_CH2/SAI4_D1/SPI1_SPI6_MOSI/I2S1_SDO/TIM14_CH1/QUADSPI_CLK/ETH1_GMII_MII_RMII_RX_DV/ETH1_RGMII_RX_CTL/SAI4_SD_A/ADC1_ADC2_INP7_INN3
SDMMC2_D4	PA8	B13	PA8/MCO1/TIM1_CH1/TIM8_BKIN2/I2C3_SCL/SPI3_MOSI/I2S3_SDO/USART1_CK/SDMMC2_CKIN/SDMMC2_D4/OTG_FS_SOF/OTG_HS_SOF/SAI4_SD_B/UART7_RX/LCD_R6
SDMMC2_D5	PA9	A11	PA9/TIM1_CH2/I2C3_SMBA/SPI2_SCK/I2S2_CK/USART1_TX/SDMMC2_CDIR/SDMMC2_D5/DCMI_D0/LCD_R5
OTG_ID	PA10	Y17	PA10/TIM1_CH3/SPI3_NSS/I2S3_WS/USART1_RX/MDIOS_MDIO/SAI4_FS_B/DCMI_D1/LCD_B1/OTG_FS_HS_ID
I2C5_SCL	PA11	Y16	PA11/TIM1_CH4/I2C6_I2C5_SCL/SPI2_NSS/I2S2_WS/UART4_RX/USART1_USART1_NSS/FDCAN1_RX/LCD_R4/OTG_FS_DM
I2C5_SDA	PA12	W16	PA12/TIM1_ETR/I2C6_SDA/I2C5_SDA/UART4_TX/USART1_RTS_DE/SAI2_FS_B/FDCAN1_TX/LCD_R5/OTG_FS_DP
	PA13	W3	PA13/DBTRGO/DBTRGI/MCO1/UART4_TX/BOOTFAILN
	PA14	R3	PA14/DBTRGO/DBTRGI/MCO2
DSI_RESET	PA15	E11	PA15/DBTRGI/TIM2_CH1_ETR/SAI4_D2/SDMMC1_CDIR/CEC/SPI1_SPI3_SPI6_NSS/I2S1_I2S3_WS/UART4_RTS_DE/SDMMC1_SDMMC2_D5/SDMMC2_CDIR/SAI4_FS_A/UART7_TX/LCD_R1
ETH_RXD2	PB0	AB5	PB0/TIM1_TIM8_CH2N/TIM3_CH3/DFSDM1_CKOUT/UART4_CTS/LCD_R3/ETH1_GMII_MII_RGMII_RXD2/MDIOS_MDIO/LCD_G1/ADC1_INP9_INN5/ADC2_INP9_INN5
ETH_RXD3	PB1	AA5	PB1/TIM1_TIM8_CH3N/TIM3_CH4/DFSDM1_DATIN1/LCD_R6/ETH1_GMII_MII_RGMII_RXD3/MDIOS_MDC/LCD_G0/ADC1_ADC2_INP5
UART4_RX	PB2	V13	PB2/RTC_OUT2/SAI1_D1/DFSDM1_CKIN1/USART1_RX/I2S_CKIN/SAI1_SD_A/SPI3_MOSI/I2S3_SDO/UART4_RX/QUADSPI_CLK
SDMMC2_D2	PB3	A12	PB3/TIM2_CH2/SAI4_CK1/SPI1_SPI3_SPI6_SCK/I2S1_I2S3_CK/SDMMC2_D2/SAI4_MCLK_A/UART7_RX
SDMMC2_D3	PB4	C13	PB4/TIM16_BKIN/TIM3_CH1/SAI4_CK2/SPI1_SPI3_SPI6_MISO/I2S1_I2S3_SDI/I2S2_WS/SDMMC2_D3/SAI4_SCK_A/UART7_TX
SPDIF_TX	PB5	AA8	PB5/ETH_CLK/TIM17_BKIN/TIM3_CH2/SAI4_D1/I2C1_I2C4_SMBA/SPI1_SPI3_SPI6_MOSI/I2S1_I2S3_SDO/FDCAN2_RX/SAI4_SD_A/ETH1_PPS_OUT/UART5_RX/DCMI_D10/LCD_G7
HDMI_CEC	PB6	W13	PB6/TIM16_CH1N/TIM4_CH1/I2C1_I2C4_SCL/CEC/USART1_TX/FDCAN2_TX/QUADSPI_BK1_NCS/DFSDM1_DATIN5_UART5_TX/DCMI_D5
DCMI_VSYNC	PB7	F11	PB7/TIM17_CH1N/TIM4_CH2/I2C1_I2C4_SDA/USART1_RX/SDMMC2_D1/DFSDM1_CKIN5_FMC_NL/DCMI_VSYNC
DCMI_D6	PB8	AB8	PB8/HDP6/TIM16_CH1/TIM4_CH3/DFSDM1_CKIN7/SDMMC1_SDMMC2_CKIN/I2C1_I2C4_SCL/UART4_RX/FDCAN1_RX/SDMMC1_SDMMC2_D4/ETH1_GMII_MII_RGMII_TXD3/DCMI_D6/LCD_B6
SDMMC1_CDIR	PB9	F12	PB9/HDP7/TIM17_CH1/TIM4_CH4/DFSDM1_DATIN7/I2C1_I2C4_SDA/SPI2_NSS/I2S2_WS/SDMMC1_SDMMC2_CDIR/UART4_TX/FDCAN1_TX/SDMMC1_SDMMC2_D5/DCMI_D7/LCD_B7
	PB10	V9	PB10/TIM2_CH3/LPTIM2_IN1/I2C2_SCL/SPI2_SCK/I2S2_CK/DFSDM1_DATIN7/USART3_TX/QUADSPI_BK1_NCS/ETH1_GMII_MII_RX_ER/LCD_G4
ETH_TX_EN	PB11	Y5	PB11/TIM2_CH4/LPTIM2_ETR/I2C2_SDA/DFSDM1_CKIN7/USART3_RX/ETH1_GMII_MII_RMII_TX_EN/ETH1_RGMII_EX_CTL/DSI_DE/LCD_G5
USART5_RX	PB12	AA7	PB12/TIM1_BKIN/I2C6_I2C2_SMBA/SPI2_NSS/I2S2_WS/DFSDM1_DATIN1/USART3_CK_RX/FDCAN2_RX/ETH1_GMII_MII_RGMII_RMII_TXD0/UART5_RX
USART5_TX	PB13	V10	PB13/TIM1_CH1N/DFSDM1_CKOUT/LPTIM2_OUT/SPI2_SCK/I2S2_CK/DFSDM1_CKIN1/USART3_CTS_NSS/FDCAN2_TX/ETH1_GMII_MII_RGMII_RMII_TXD1/UART5_TX
SDMMC2_D0	PB14	A13	PB14/TIM1_TIM8_CH2N/TIM12_CH1/USART1_TX/SPI2_MISO/I2S2_SDI/DFSDM1_DATIN2/USART3_RTS_DE/SDMMC2_D0
SDMMC2_D1	PB15	B12	PB15/RTC_REFIN/TIM1_TIM8_CH3N/TIM12_CH2/USART1_RX/SPI2_MOSI/I2S2_SDO/DFSDM1_CKIN2/SDMMC2_D1
QSPI_BK2_NCS	PC0	U10	PC0/DFSDM1_CKIN0_DATIN4/LPTIM2_IN2/SAI2_FS_B/QUADSPI_BK2_NCS/LCD_R5/ADC1_ADC2_INP10
ETH_MDC	PC1	AB3	PC1/SAI1_D1/DFSDM1_DATIN0_CKIN4/SPI2_MOSI/I2S2_SDO/SAI1_SD_A/SDMMC2_CK/ETH1_MDC/MDIOS_MDC/ADC1_INP11_INN10/ADC2_INP11_INN10/TAMP_IN3/WKUP6
ETH_TXD2	PC2	Y1	PC2/DFSDM1_CKIN1_CKOUT/SPI2_MISO/I2S2_SDI/ETH1_GMII_MII_RGMII_TXD2/DCMI_PIXCLK/ADC1_INP12_INN11
	PC3	U3	PC3/DFSDM1_DATAIN1/SPI2_MOSI/I2S2_SDO/ETH1_GMII_MII_TX_CLK/ADC1_INP13_INN12
ETH_RXD0	PC4	AB6	PC4/DFSDM1_CKIN2/I2S1_MCK/SPDIFRX_IN2/ETH1_GMII_MII_RGMII_RMII_RXD0/ADC1_ADC2_INP4
ETH_RXD1	PC5	AA6	PC5/SAI_D3/DFSDM1_DATIN2/SAI1_SAI4_D4/SPDIFRX_IN3/ETH1_GMII_MII_RGMII_RMII_RXD1/SAI4_D3/ADC1_INP8_INN4/ADC2_INP8_INN4
DSI_TE	PC6	E13	PC6/HDP1/TIM3_TIM8_CH1/DFSDM1_CKIN3/I2S2_MCK/USART6_TX/SDMMC1_D0DIR/SDMMC1_SDMMC2_D6/DSI_TE/DCMI_D0/LCD_HSYNC
SDMMC1_D123DIR	PC7	D13	PC7/HDP4/TIM3_TIM8_CH2/DFSDM1_DATIN3/I2S3_MCK/USART6_RX/SDMMC1_SDMMC2_D123DIR/SDMMC1_SDMMC2_D7/DCMI_D1/LCD_G6
SDMMC1_D0	PC8	E14	PC8/TIM3_TIM8_CH3/UART4_TX/USART6_CK/UART5_RTS_DE/SDMMC1_D0/DCMI_D2
SDMMC1_D1	PC9	D14	PC9/TIM3_TIM8_CH4/I2C3_SDA/I2S_CKIN/UART5_CTS/QUADSPI_BK1_IO0/SDMMC1_D1/DCMI_D3/LCD_B2
SDMMC1_D2	PC10	F14	PC10/DFSDM1_CKIN5/SPI3_SCK/I2S3_CK/USART3_RX/UART4_TX/QUADSPI_BK1_IO1/SAI4_MCLK_B/SDMMC1_D2/DCMI_D8/LCD_R2
SDMMC1_D3	PC11	D15	PC11/DFSDM1_DATIN5/SPI3_MISO/I2S3_SDI/USART3_RX/UART4_RX/QUADSPI_BK2_NCS/SAI4_SCK_B/SDMMC1_D3/DCMI_D4
SDMMC1_CK	PC12	E12	PC12/MCO2/SAI4_D3/SPI3_MOSI/I2S3_SDO/USART3_CK/UART5_TX/SAI4_SD_B/SDMMC1_CK/DCMI_D9
	PC13	N2	PC13/RTC_OUT1_TS_LSCO/TAMP_IN1_OUT2_OUT3/WKUP3
		P1	PC14-OSC32_IN
		P2	PC15-OSC32_OUT

U3A

STM32MP175DAA1



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Project: STM32MP157_Core_V1.2.PrjPcb		
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2021-06-09	Version: V1.0	Sheet: 2 of 10

U3B

NAND_D2	PD0	C10
NAND_D3	PD1	B10
SDMMC1_CMD	PD2	D12
SDMMC2_D7	PD3	B11
NAND_NOE	PD4	C9
NAND_NWE	PD5	A9
NAND_NWAIT	PD6	L3
SDMMC3_D3	PD7	F10
USART3_TX	PD8	M1
USART3_RX	PD9	M2
uSD_DETECT	PD10	A8
NAND_CLE	PD11	AB9
NAND_ALE	PD12	W12
LCD_BL	PD13	V14
NAND_D0	PD14	M3
NAND_D1	PD15	L1
SAI2_MCLKA	PE0	C5
DCMI_RESET	PE1	D7
ETH_TXD3	PE2	Y2
SDMMC2_CK	PE3	A10
SDMMC1_CKIN	PE4	F15
SDMMC2_D6	PE5	C12
DCMI_D7	PE6	E9
NAND_D4	PE7	W10
NAND_D5	PE8	Y12
NAND_D6	PE9	W11
NAND_D7	PE10	W14
DCMI_PWDN	PE11	D5
SAI2_SCKB	PE12	E4
SAI2_FSB	PE13	A4
SAI2_MCLKB	PE14	B4
T_MISO	PE15	C4
SDMMC3_D0	PF0	E10
SDMMC3_CMD	PF1	B9
SDMMC1_D0DIR	PF2	F13
	PF3	V3
SDMMC3_D1	PF4	F9
SDMMC3_D2	PF5	D9
QSPI_BK1_IO3	PF6	AA11
QSPI_BK1_IO2	PF7	AA10
QSPI_BK1_IO0	PF8	AB10
QSPI_BK1_IO1	PF9	AB11
QSPI_CLK	PF10	V12
SAI2_SDB	PF11	W8
	PF12	V8
	PF13	W7
	PF14	V7
	PF15	W6

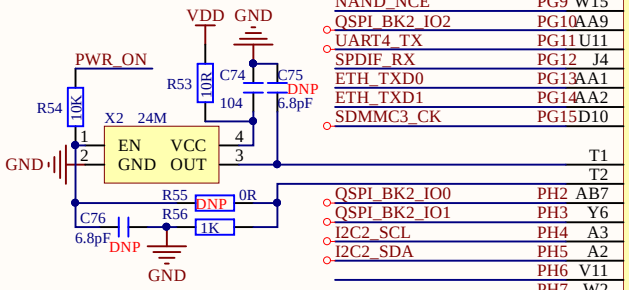
PD0/I2C6_I2C5_SDA/DFSDM1_CKIN6/SAI3_SCK_A/UART4_RX/FDCAN1_RX/SDMMC3_CMD/DFSDM1_DATIN7/FMC_D2/FMC_DA2
PD1/I2C6_I2C5_SCL/DFSDM1_DATIN6/SAI3_SD_A/UART4_TX/FDCAN1_TX/SDMMC3_D0/DFSDM1_CKIN7/FMC_D3/FMC_DA3
PD2/TIM3_ETR/I2C5_SMBA/UART4_RX/UART5_RX/SDMMC1_CMD/DCMI_D11
PD3/HDP5/DFSDM1_CKOUT/SPI2_SCK/I2S2_CK/DFSDM1_DATIN0/UART2_CTS_NSS/SDMMC1_SDMMC2_D123DIR/SDMMC1_SDMMC2_D7/FMC_CLK/DCMI_D5/LCD_G7
PD4/SAI3_FS_A/USART2_RTS_DE/SDMMC3_D1/DFSDM1_CKIN0/FMC_NOE
PD5/USART2_TX/SDMMC3_D2/FMC_NWE
PD6/TIM16_CH1N/SAI1_D1/DFSDM1_CKIN4_DATIN1/SPI3_MOSI/I2S3_SDO/SAI1_SD_A/USART2_RX/FMC_NWAIT/DCMI_D10/LCD_B2
PD7/DFSDM1_DATIN4_CKIN1/I2C2_SCL/USART2_CK/SPDIFRX_IN0/SDMMC3_D3/FMC_NE1
PD8/DFSDM1_CKIN3/SAI3_SCK_B/USART3_TX/SPDIFRX_IN1/FMC_D13/FMC_DA13/LCD_B7
PD9/DFSDM1_DATIN3/SAI3_SD_B/USART3_RX/FMC_D14/FMC_DA14/DCMI_HSYNC/LCD_B0
PD10/RTC_REFIN/TIM16_BKIN/DFSDM1_CKOUT/I2C5_SMBA/SPI3_MISO/I2S3_SDI/SAI3_FS_B/USART3_CK/FMC_D15/FMC_DA15/LCD_B3
PD11/LPTIM2_IN2/I2C4_I2C1_SMBA/USART3_CTS_NSS/QUADSPI_BK1_IO0/SAI2_SD_A/FMC_CLE/FMC_A16
PD12/LPTIM1_LPTIM2_IN1/TIM4_CH1/I2C4_I2C1_SCL/USART3_RTS_DE/QUADSPI_BK1_IO1/SAI2_FS_A/FMC_ALE/FMC_A17
PD13/LPTIM1_OUT/TIM4_CH2/I2C4_I2C1_SDA/I2S3_MCK/QUADSPI_BK1_IO3/SAI2_SCK_A/FMC_A18
PD14/TIM4_CH3/SAI3_MCLK_B/UART8_CTS/FMC_D0/FMC_DA0
PD15/TIM4_CH4/SAI3_MCLK_A/UART8_CTS/FMC_D1/FMC_DA1/LCD_R1

PE0/LPTIM1_LPTIM2_ETR/TIM4_ETR/SPI3_SCK/I2S3_CK/SAI4_MCLK_B/UART8_RX/SAI2_MCLK_A/FMC_NBL0/DCMI_D2
PE1/LPTIM1_IN2/I2S2_MCK/SAI3_SD_B/UART8_TX/FMC_NBL1/DCMI_D3
PE2/SAI1_CK1/I2C4_SCL/SPI4_SCK/SAI1_MCLK_A/QUADSPI_BK1_IO2/ETH1_GMII_MII_RGMII_TXD3/FMC_A23
PE3/TIM15_BKIN/SAI1_SD_B/SDMMC2_CK/FMC_A19
PE4/SAI1_D2/DFSDM1_DATIN3/TIM15_CH1N/SPI4_NSS/SAI1_FS_A/SDMMC1_SDMMC2_CKIN/SDMMC1_SDMMC2_D4/FMC_A20/DCMI_D4/LCD_B0
PE5/SAI1_CK2/DFSDM1_CKIN3/TIM15_CH1/SPI4_MISO/SAI1_SCK_A/SDMMC1_SDMMC2_D0DIR/SDMMC1_SDMMC2_D6/FMC_A21/DMIC_D6/LCD_G0
PE6/TIM1_BKIN2/SAI1_D1/TIM15_CH2/SPI4_MOSI/SAI1_SD_A/SDMMC2_D0/SDMMC1_D2/SAI2_MCLK_B/FMC_A22/DCMI_D7/LCD_G1
PE7/TIM1_TIM3_ETR/DFSDM1_DATIN2/UART7_RX/QUADSPI_BK2_IO0/FMC_D4/FMC_DA4
PE8/TIM1_CH1N/DFSDM1_CKIN2/UART7_TX/QUADSPI_BK2_IO1/FMC_D5/FMC_DA5
PE9/TIM1_CH1/DFSDM1_CKOUT/UART7_RTS_DE/QUADSPI_BK2_IO2/FMC_D6/FMC_DA6
PE10/TIM1_CH2N/DFSDM1_DATIN4/UART7_CTS/QUADSPI_BK2_IO3/FMC_D7/FMC_DA7
PE11/TIM1_CH2/DFSDM1_CKIN4/SPI4_NSS/USART6_CK/SAI2_SD_B/FMC_D8/FMC_DA8/DCMI_D4/LCD_G3
PE12/TIM1_CH3N/DFSDM1_DATIN5/SPI4_SCK/SDMMC1_D0DIR/SAI2_SCK_B/FMC_D9/FMC_DA9/LCD_B4
PE13/HDP2/TIM1_CH3/DFSDM1_CKIN5/SPI4_MISO/SAI2_FS_B/FMC_D10/FMC_DA10/DCMI_D6/LCD_DE
PE14/TIM1_CH4/SPI4_MOSI/UART8_RTS_DE/SAI2_MCLK_B/SDMMC1_D123DIR/FMC_D11/FMC_DA11/LCD_G0/LCD_CLK
PE15/HDP3/TIM1_BKIN/TIM15_BKIN/USART2_CTS_NSS/UART8_CTS/FMC_NCE2/FMC_D12/FMC_DA12/LCD_R7

PF0/I2C2_SDA/SDMMC3_D0_CKIN/FMC_A0
PF1/I2C2_SCL/SDMMC3_CMD_CDIR/FMC_A1
PF2/I2C2_SMBA/SDMMC1_SDMMC2_SDMMC3_D0DIR/FMC_A2
PF3/ETH1_GMII_MII_TX_ER/FMC_A3
PF4/USART2_RX/SDMMC3_D1/SDMMC3_D123DIR/FMC_A4
PF5/USART2_TX/SDMMC3_D2/FMC_A5
PF6/TIM16_CH1/SPI5_NSS/SAI1_SD_B/UART7_RX/QUADSPI_BK1_IO3/SAI4_SCK_B
PF7/TIM17_CH1/SPI5_SCK/SAI1_MCLK_B/UART7_TX/QUADSPI_BK1_IO2
PF8/TIM16_CH1N/SPI5_MISO/SAI1_SCK_B/UART7_RTS_DE/TIM13_CH1/QUADSPI_BK1_IO0
PF9/TIM17_CH1N/SPI5_MOSI/SAI1_FS_B/UART7_CTS/TIM14_CH1/QUADSPI_BK1_IO1
PF10/TIM16_BKIN/SAI1_D3/SAI1_SAI4_D4/QUADSPI_CLK/SAI4_D3/DCMI_D11/LCD_DE
PF11/SPI5_MOSI/SAI2_SD_B/DCMI_D12/LCD_G5/ADC1_INP2
PF12/ETH1_GMII_RXD4/FMC_A6/ADC1_INP6_INN2
PF13/DFSDM1_DATIN6_DATIN3/I2C1_I2C4_SMBA/ETH1_GMII_RXD5/FMC_A7/ADC2_INP2
PF14/DFSDM1_CKIN6/I2C1_I2C4_SCL/ETH1_GMII_RXD6/FMC_A8/ADC2_INP6_INN2
PF15/I2C1_I2C4_SDA/ETH1_GMII_RXD7/FMC_A9

STM32MP175DAA1

Title: STM32MP157_DEF.SchDoc			Cannot open file D:\Program Files\Altium\My Templete\正点LOGO竖.png
Project: STM32MP157_Core_V1.2.PrjPcb			
Size: A4	Author: lycreturn@ALIENTEK		
Date: 2021-06-09	Version: V1.0	Sheet: 3 of 10	



U3C

ETH_MDINT	PG0	W5
	PG1	Y4
MCO2	PG2	W4
	PG3	U4
ETH_GTX_CLK	PG4	AB4
ETH_CLK125	PG5	U8
SDMMC2_CMD	PG6	D11
QSPI_BK2_IO3	PG7	Y11
ETH_CLK	PG8	Y8
NAND_NCE	PG9	W15
QSPI_BK2_IO2	PG10	AA9
UART4_TX	PG11	U11
SPDIF_RX	PG12	J4
ETH_TXD0	PG13	AA1
ETH_TXD1	PG14	AA2
SDMMC3_CK	PG15	D10
		T1
		T2
QSPI_BK2_IO0	PH2	AB7
QSPI_BK2_IO1	PH3	Y6
I2C2_SCL	PH4	A3
I2C2_SDA	PH5	A2
	PH6	V11
	PH7	W2
DCMI_HSYNC	PH8	D6
DCMI_D0	PH9	E6
DCMI_D1	PH10	B1
DCMI_D2	PH11	B3
DCMI_D3	PH12	F5
CAN1_TX	PH13	D3
DCMI_D4	PH14	C2
CT_RST	PH15	C1
	PI0	D1
CT_INT	PI1	E2
	PI2	E1
	PI3	E3
DCMI_D5	PI4	J6
SAI2_SCKA	PI5	F2
SAI2_SDA	PI6	G5
SAI2_FSA	PI7	F1
	PI8	N1
CAN1_RX	PI9	J5
ETH_NRST	PI10	W1
MCO1	PI11	T3
LCD_HSYNC	PI12	H2
LCD_VSYNC	PI13	H1
LCD_CLK	PI14	D2
LCD_R0	PI15	F3

PG0/DFSDM1_DATIN0/ETH1_GMII_TXD4/FMC_A10
PG1/ETH1_GMII_TXD5/FMC_A11
PG2/MCO2/TIM8_BKIN/ETH1_GMII_TXD6/FMC_A12
PG3/TIM8_BKIN2/DFSDM1_CKIN1/ETH1_GMII_TXD7/FMC_A13
PG4/TIM1_BKIN2/ETH1_GMII_RGMII_GTX_CLK/FMC_A14
PG5/TIM1_ETR/ETH1_GMII_RGMII_CLK125/FMC_A15
PG6/TIM17_BKIN/SDMMC2_CMD/DCMI_D12/LCD_R7
PG7/SAI1_MCLK_A/USART6_CK/USART8_RTS_DE/QUADSPI_CLK/QUADSPI_BK2_IO3/DCMI_D13/LCD_CLK
PG8/TIM2_CH1/TIM2_TIM8_ETR/ETH_CLK/SPI6_NSS/SAI4_D2/USART6_RTS_DE/USART3_NSS_DE/SPDIFRX_IN2/SAI4_FS_A/ETH1_PPS_OUT/LCD_G7
PG9/DBTRGO/USART6_RX/SPDIFRX_IN3/QUADSPI_BK2_IO2/SAI2_FS_B/FMC_NCE/FMC_NE2/DCMI_VSYNC/LCD_R1
PG10/UART8_CTS/LCD_G3/SAI2_SD_B/QUADSPI_BK2_IO2/FMC_NE3/DCMI_D2/LCD_B2
PG11/USART1_UART4_TX/SPDIFRX_IN0/ETH1_GMII_MII_RMII_TX_EN/ETH1_RGMII_TX_CTL/DCMI_D3/LCD_B3
PG12/LPTIM1_IN1/SPI6_MISO/SAI4_CK2/USART6_RTS_DE/SPDIFRX_IN1/LCD_B4/SAI4_SCK_A/ETH1_PHY_INTN/FMC_NE4/LCD_B1
PG13/LPTIM1_OUT/SAI1_CK2/SAI4_CK1/SPI6_SCK/SAI1_SCK_A/USART6_CTS_NSS/SAI4_MCLK_A/ETH1_GMII_MII_RGMII_RMII_TXD0/FMC_A24/LCD_R0
PG14/LPTIM1_ETR/SPI6_MOSI/SAI4_D1/USART6_TX/QUADSPI_BK2_IO3/SAI4_SD_A/ETH1_GMII_MII_RGMII_RMII_TXD1/FMC_A25/LCD_B0
PG15/SAI1_D2/I2C2_SDA/SAI1_FS_A/USART6_CTS_NSS/SDMMC3_CK/DCMI_D13

PH0-OSC_IN
PH1-OSC_OUT
PH2/LPTIM1_IN2/QUADSPI_BK2_IO0/ETH1_GMII_MII_CRS/LCD_R0
PH3/DFSDM1_CKIN4/QUADSPI_BK2_IO1/SAI2_MCLK_B/ETH1_GMII_MII_COL/LCD_R1
PH4/I2C2_SCL/LCD_G5/LCD_G4
PH5/I2C2_SDA/SPI5_NSS/SAI4_SD_B
PH6/TIM12_CH1/I2C2_SMBA/SPI5_SCK/ETH1_MII_RGMII_RXD2/MDIOS_MDIO/DCMI_D8
PH7/I2C3_SCL/SPI5_MISO/ETH1_GMII_MII_RGMII_RXD3/MDIOS_MDC/DCMI_D9
PH8/TIM5_ETR/I2C3_SDA/DCMI_HSYNC/LCD_R2
PH9/TIM12_CH2/I2C3_SMBA/DCMI_D0/LCD_R3
PH10/TIM5_CH1/I2C4_SMBA/I2C1_SMBA/DCMI_D1/LCD_R4
PH11/TIM5_CH2/I2C4_SCL/I2C1_SCL/DCMI_D2/LCD_R5
PH12/HDP2/TIM5_CH3/I2C4_SDA/I2C1_SDA/DCMI_D3/LCD_R6
PH13/TIM8_CH1N/UART4_TX/FDCAN1_TX/LCD_G2
PH14/TIM8_CH2N/UART4_RX/FDCAN1_RX/DCMI_D4/LCD_G3
PH15/TIM8_CH3N/DCMI_D11/LCD_G4

PI0/TIM5_CH4/SPI2_NSS_WS/DCMI_D13/LCD_G5
PI1/TIM8_BKIN2/SPI2_SCK_CK/DCMI_D8/LCD_G6
PI2/TIM8_CH4/SPI2_MISO/I2S2_SDI/DCMI_D9/LCD_G7
PI3/TIM8_ETR/SPI2_MOSI/I2S2_SDO/DCMI_D10
PI4/TIM8_BKIN/SAI2_MCLK_A/DCMI_D5/LCD_B4
PI5/TIM8_CH1/SAI2_SCK_A/DCMI_VSYNC/LCD_B5
PI6/TIM8_CH2/SAI2_SD_A/DCMI_D6/LCD_B6
PI7/TIM8_CH3/SAI2_FS_A/DCMI_D7/LCD_B7
PI8/RTC_OUT2_LSCO/TAMP_IN2/TAMP_OUT3/WKUP4
PI9/HDP1/UART4_RX/FDCAN1_RX/LCD_VSYNC
PI10/HDP0/USART3_CTS_NSS/ETH1_GMII_MII_RX_ER/LCD_HSYNC
PI11/MCO1/I2S_CKIN/LCD_G6/WKUP5
PI12/HDP0/LCD_HSYNC
PI13/HDP1/LCD_VSYNC
PI14/LCD_CLK
PI15/LCD_G2/LCD_R0

STM32MP175DAA1

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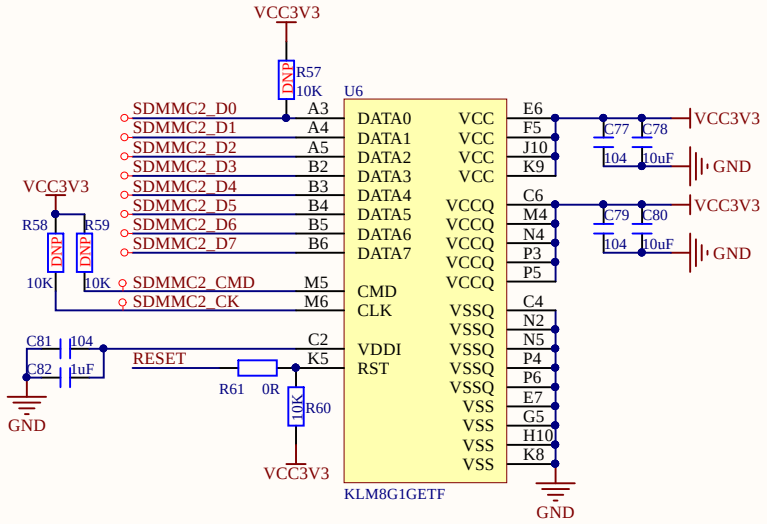
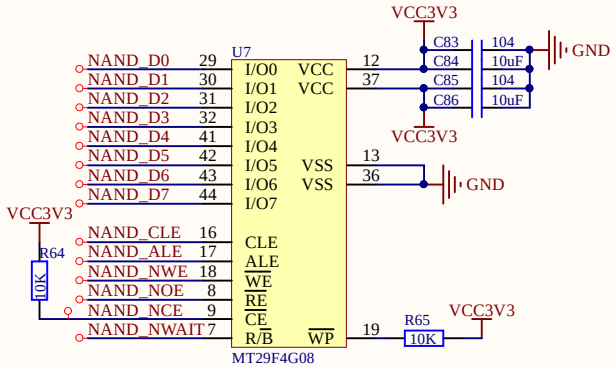
Project: STM32MP157_Core_V1.2.PrjPcb		
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2021-06-09	Version: V1.0	Sheet: 4 of 10

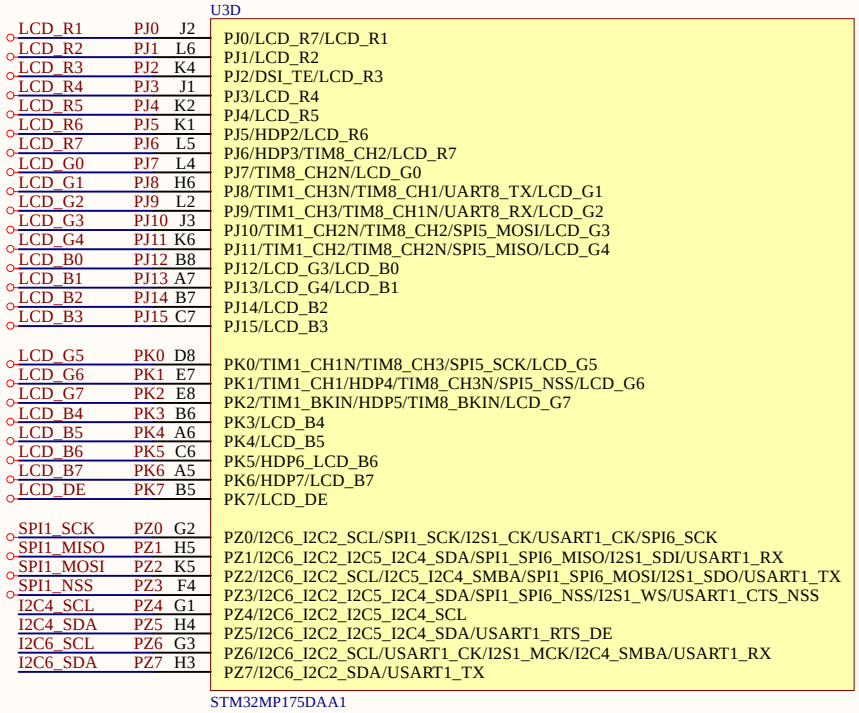
EMMC



NAND



STM32MP157_JKZ



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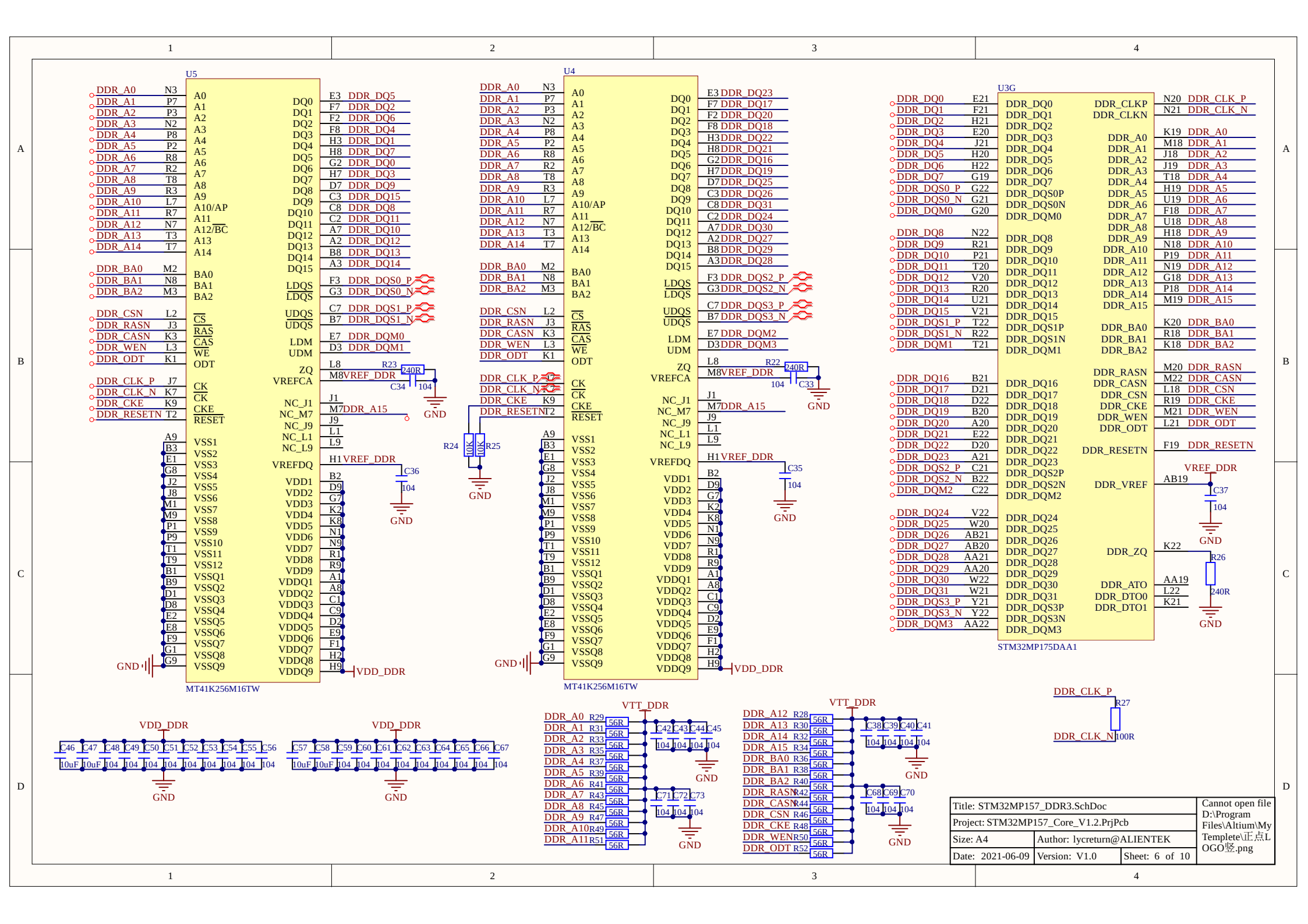
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2021-06-09	Version: V1.0	Sheet: 5 of 10


U5
MT41K256M16TW
U4
MT41K256M16TW
U3G
STM32MP175DAA1
VDD_DDR
VTT_DDR
GND
VREF_DDR
DDR_CLK_P
DDR_CLK_N
Title: STM32MP157_DDR3.SchDoc
Project: STM32MP157_Core_V1.2.PrjPcb
Size: A4
Author: lycreturn@ALIENTEK
Date: 2021-06-09
Version: V1.0
Sheet: 6 of 10
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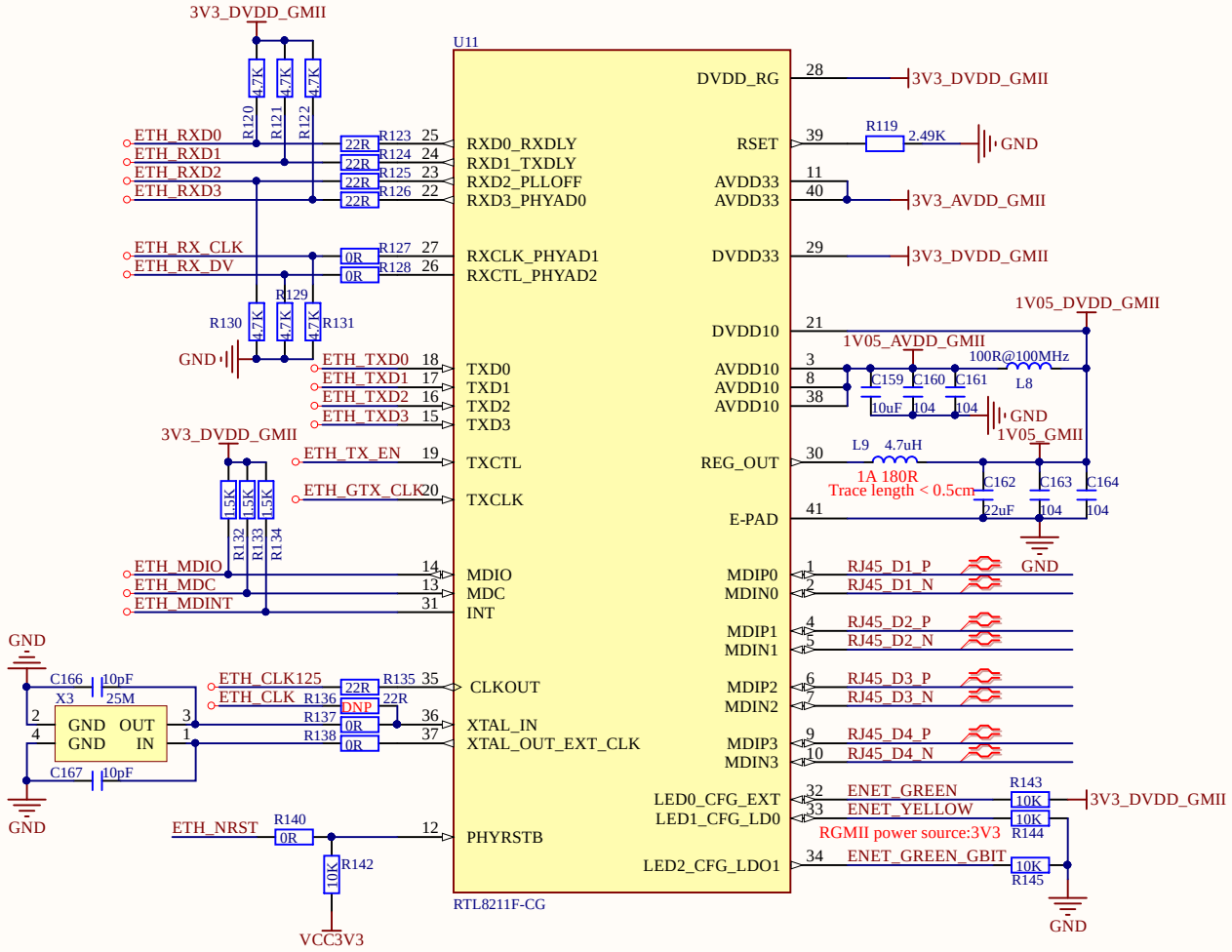
10/100/1000M NET

TXC/RXC：delay 2ns
PHY Address:0x01



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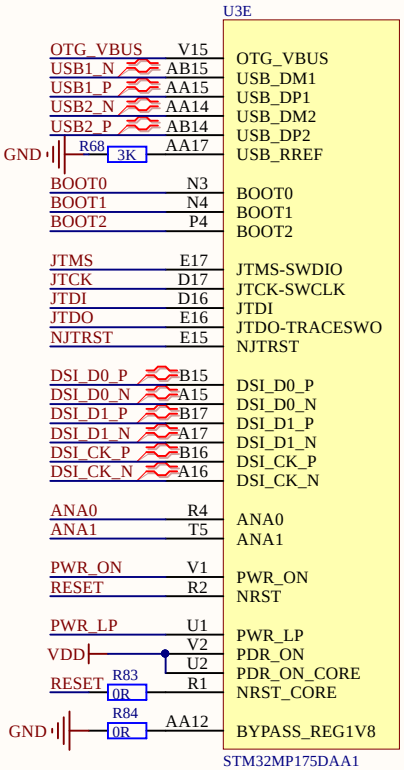
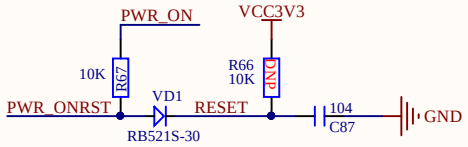
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2021-06-09	Version: V1.0	Sheet: 8 of 10

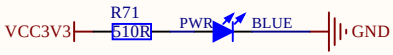
USB&DSI&JTAG



RESET



LED



ESD&FKT

ESD FKT
ESD FKT
ESD FKT

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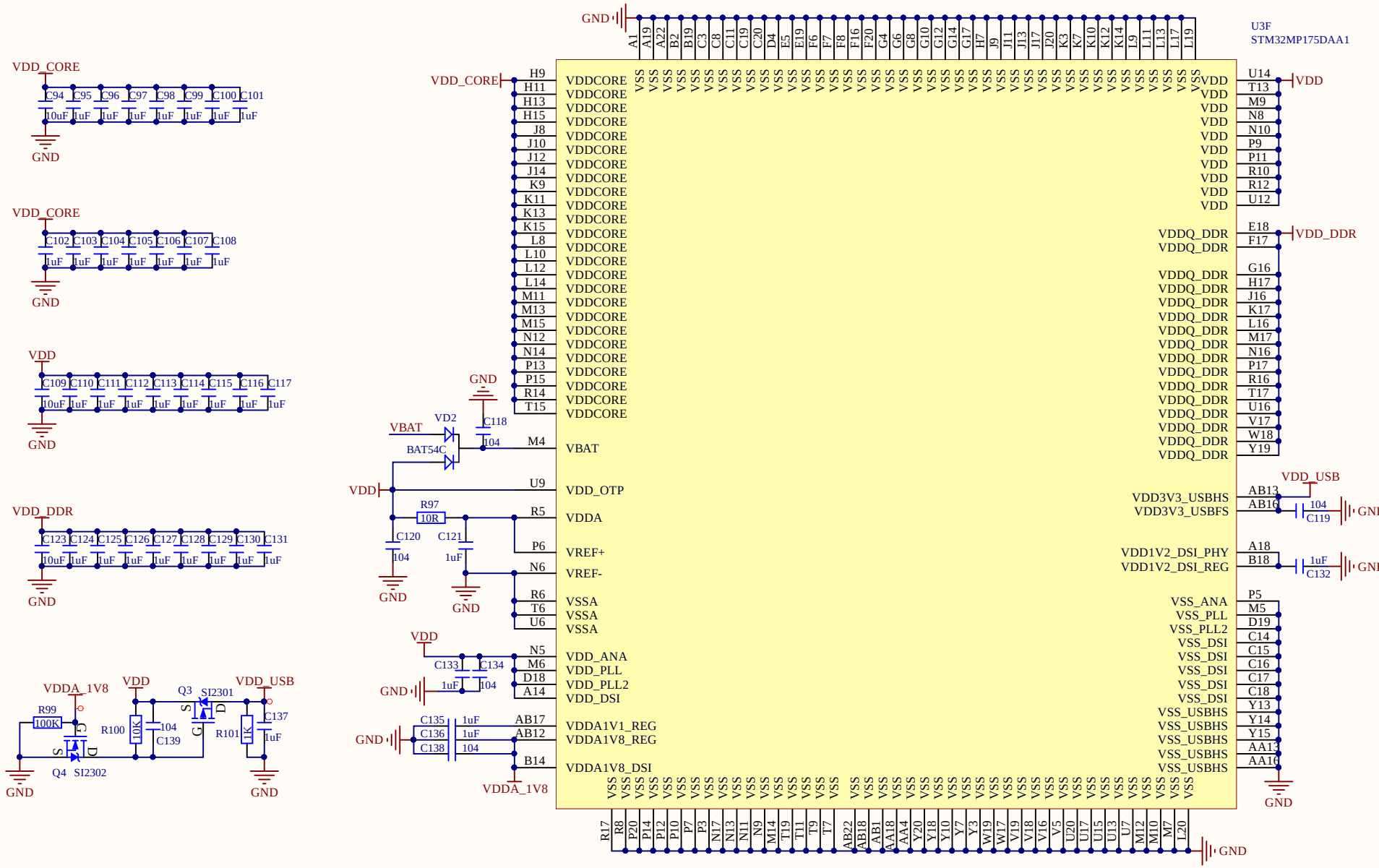
Project: STM32MP157_Core_V1.2.PrjPcb			
Size: A4	Author: lycreturn@ALIENTEK		
Date: 2021-06-09	Version: V1.0	Sheet: 9 of 10	


U3F
STM32MP175DAA1
VDD_CORE
VDD
VDD_DDR
VDD_USB
VBAT
VDDA_1V8
GND
VDDCORE
VSS
VDDQ_DDR
VDD3V3_USBHS
VDD3V3_USBFS
VDD1V2_DSI_PHY
VDD1V2_DSI_REG
VDD_OTP
VDDA
VREF+
VREF-
VSSA
VDD_ANA
VDD_PLL
VDD_PLL2
VDD_DSI
VDDA1V1_REG
VDDA1V8_REG
VDDA1V8_DSI
VSS_ANA
VSS_PLL
VSS_PLL2
VSS_DSI
VSS_USBHS
VD2
BAT54C
Q3 SI2301
Q4 SI2302
R97 10R
R99 100K
R100 10K
R101 1K
C118 104
C119 104
C120 104
C121 1uF
C132 1uF
C133 1uF
C134 104
C135 1uF
C136 1uF
C137 1uF
C138 104
C139 104
Title: STM32MP157_POWER.SchDoc
Project: STM32MP157_Core_V1.2.PrjPcb
Size: A4
Author: lycreturn@ALIENTEK
Date: 2021-06-09
Version: V1.0
Sheet: 10of 10
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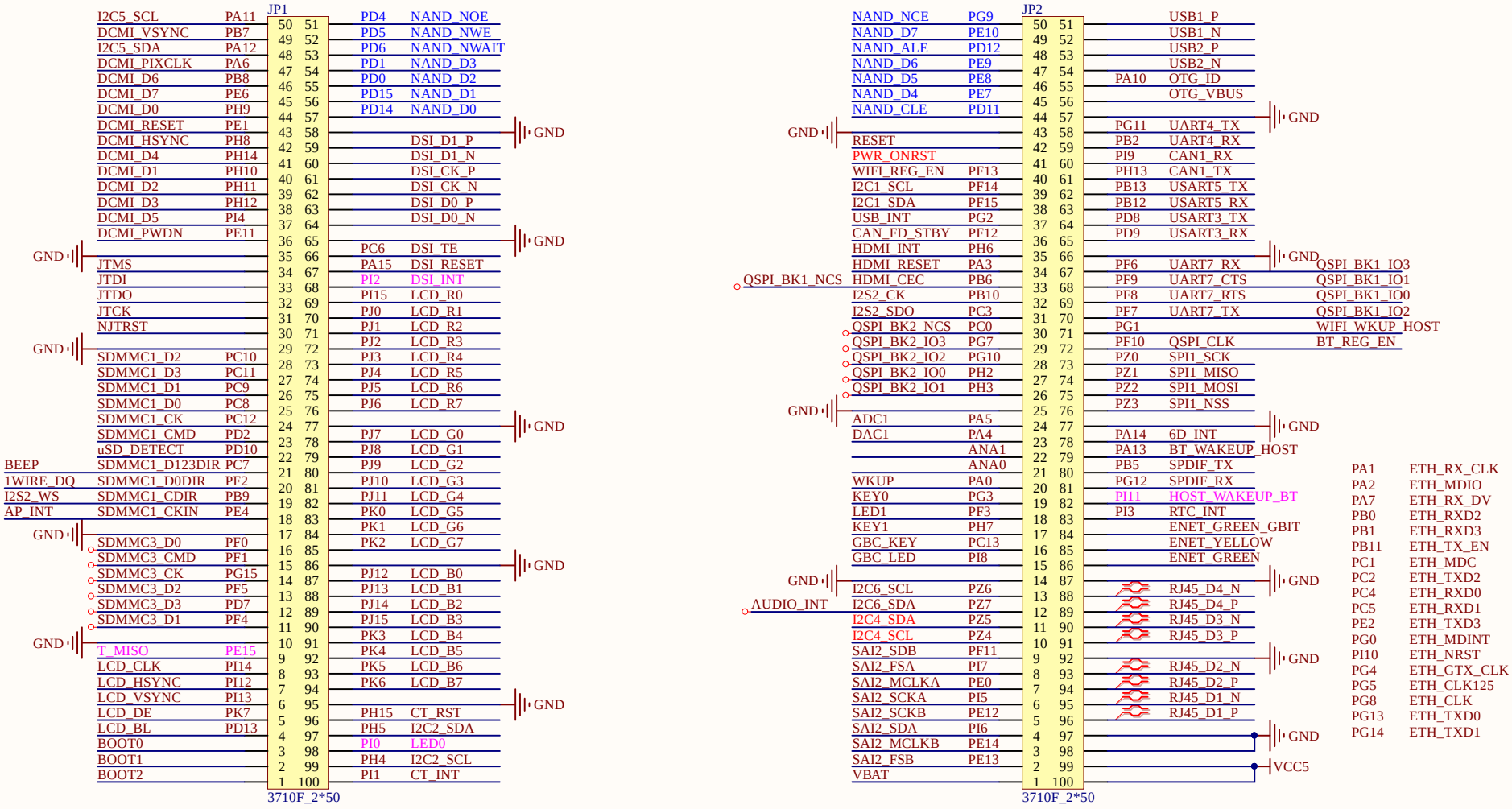

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Project: STM32MP157_Core_V1.2.PrjPcb		
Size: A4	Author: lycreturn@ALIENTEK	
Date: 2021-06-09	Version: V1.0	Sheet: * of *