CPU GPIOA-F

STM32H750IB/TFBGA176+25

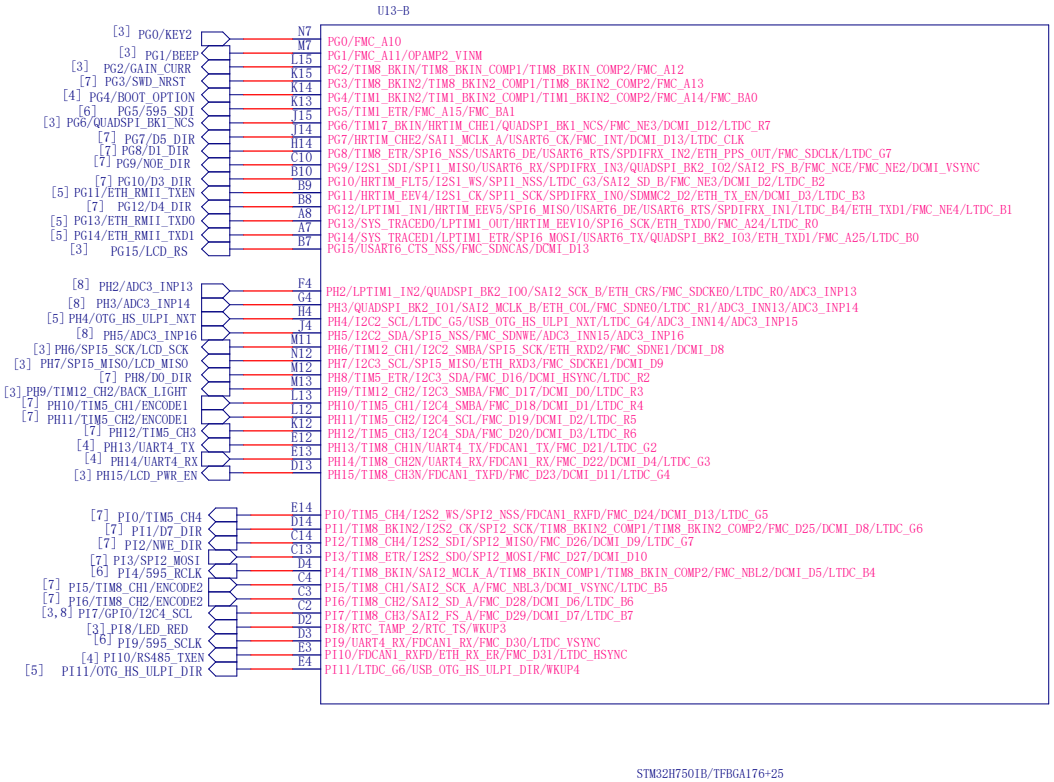
U13-A

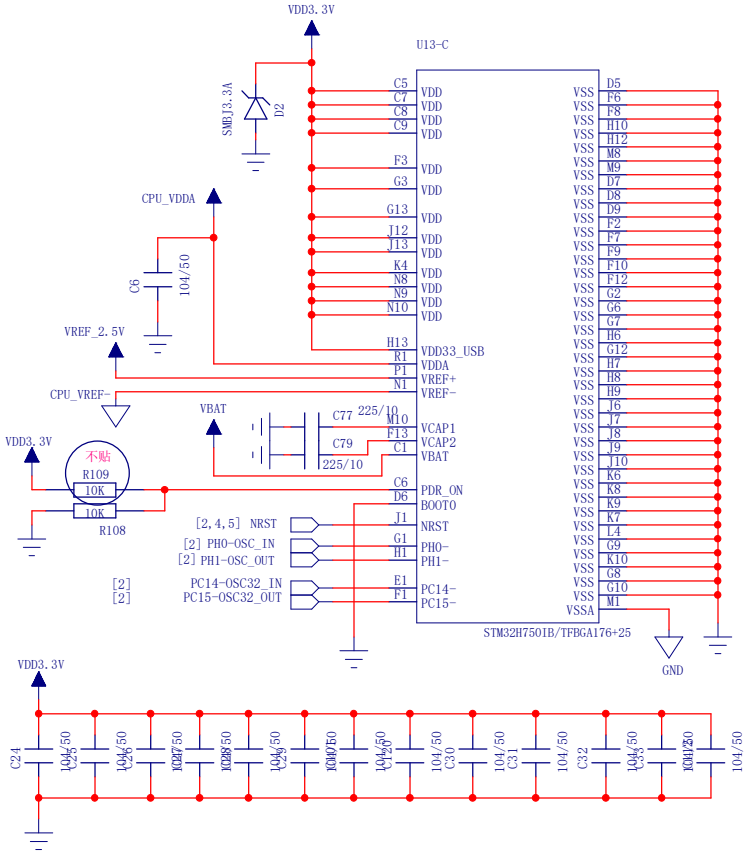
[7] PA0/TIM2_CH1	N3	PA0-WKUP(PA0)/TIM2_CH1/TIM2_ETR/TIM5_CH1/TIM8_ETR/TIM15_BKIN/UART4_TX/SDMMC2_CMD/SAI2_SD_B/ETH_CRS/ADC1_INP16/WKUP0	
[5] PA1/ETH_RMII_REF_CLK	N2	PA1/TIM2_CH2/TIM5_CH2/LPTIM3_OUT/TIM15_CH1N/USART2_DE/USART2_RTS/UART4_RX/QUADSPI_BK1_IO3/SAI2_MCLK_B/ETH_REF_CLK/ETH_RX_CLK/LTDC_R2/ADC1_INN16/ADC1_INP17	
[5] PA2/ETH_RMII_MDIO	P2	PA2/TIM2_CH3/TIM5_CH3/LPTIM4_OUT/TIM15_CH1/USART2_TX/SAI2_SCK_B/ETH_MDIO/MDIOS_MDIO/LTDC_R1/ADC12_INP14/WKUP1	
[5] PA3/USB_OTG_HS_ULPI_D0	R2	PA3/TIM2_CH4/TIM5_CH4/LPTIM5_OUT/TIM15_CH2/USART2_RX/LTDC_B2/USB_OTG_HS_ULPI_D0/ETH_COL/LTDC_B5/ADC12_INP15	
[6] PA4/DACOUT1	N4	PA4/TIM5_ETR/I2S1_WS/SPI1_NSS/I2S3_WS/SPI3_NSS/USART2_CK/SPI6_NSS/USB_OTG_HS_SOF/DCMI_HSYNC/LTDC_VSYNC/ADC12_INP18/DAC1_OUT1	
[5] PA5/USB_OTG_HS_ULPI_CK	P4	PA5/TIM2_CH1/TIM2_ETR/TIM8_CH1N/I2S1_CK/SPI1_SCK/SPI6_SCK/USB_OTG_HS_ULPI_CK/LTDC_R4/ADC12_INN18/ADC12_INP19/DAC1_OUT2	
[3]PA6/ADC12_INP3	P3	PA6/TIM1_BKIN/TIM3_CH1/TIM8_BKIN/I2S1_SDI/SPI1_MISO/SPI6_MISO/TIM13_CH1/TIM8_BKIN_COMP1/TIM8_BKIN_COMP2/MDIOS_MDC/TIM1_BKIN_COMP1/TIM1_BKIN_COMP2/DCMI_PIXCLK/LTDC_G2/ADC12_INP3	
[5] PA7/ETH_RMII_CRS_DV	R3	PA7/TIM1_CH1N/TIM3_CH2/TIM8_CH1N/I2S1_SDO/SPI1_MOSI/SPI6_MOSI/TIM14_CH1/ETH_CRS_DV/ETH_RX_DV/FMC_SDNWE/ADC12_INN3/ADC12_INP7/OPAMP1_VINM	
[7] PA8/UART7_RX	F15	PA8/RCC_MCO_1/TIM1_CH1/HRTIM_CHB2/TIM8_BKIN2/I2C3_SCL/USART1_CK/USB_OTG_FS_SOF/UART7_RX/TIM8_BKIN2_COMP1/TIM8_BKIN2_COMP2/LTDC_B3/LTDC_R6	
[1,4,7] PA9/USART1_TX/PE13/FMC_D10	E15	PA9/TIM1_CH2/HRTIM_CHC1/LPUART1_TX/I2C3_SMBA/I2S2_CK/SPI2_SCK/USART1_TX/FDCAN1_RXFD/ETH_TX_ER/DCMI_D0/LTDC_R5/OTG_FS_VBUS	
[1,7] PA10/USART1_RX/PE14/FMC_D11	D15	PA10/TIM1_CH3/HRTIM_CHC2/LPUART1_RX/USART1_RX/FDCAN1_TXFD/USB_OTG_FS_ID/MDIOS_MDIO/LTDC_B4/DCMI_D1/LTDC_B1	
[1,4] PA11/CAN1_RX/PD8/FMC_D13	C15	PA11/TIM1_CH4/HRTIM_CHD1/LPUART1_CTS/I2S2_WS/SPI2_NSS/UART4_RX/FDCAN1_RX/USB_OTG_FS_DM/LTDC_R4	
[1,4] PA12/CAN1_TX/PE15/FMC_D12	B15	PA12/TIM1_ETR/HRTIM_CHD2/LPUART1_DE/LPUART1_RTS/I2S2_CK/SPI2_SCK/UART4_TX/USART1_DE/USART1_RTS/SAI2_FS_B/FDCAN1_TX/USB_OTG_FS_DP/LTDC_R5	
[2] PA13/SWDIO	A15	PA13(SYS_JTMS-SWDIO)/SYS_JTMS-SWDIO	
[2] PA14/SWCLK	A14	PA14(SYS_JTCK-SWCLK)/SYS_JTCK-SWCLK	
[7] PA15/UART7_TX	A13	PA15(SYS_JTDI)/TIM2_CH1/TIM2_ETR/HRTIM_FLT1/CEC/I2S1_WS/SPI1_NSS/I2S3_WS/SPI3_NSS/SPI6_NSS/UART4_DE/UART4_RTS/UART7_TX	
[5] PB0/USB_OTG_HS_ULPI_D1	R5	PB0/TIM1_CH2N/TIM3_CH3/TIM8_CH2N/DFSDM1_CKOUT/UART4_CTS/LTDC_R3/USB_OTG_HS_ULPI_D1/ETH_RXD2/LTDC_G1/ADC12_INN5/ADC12_INP9/OPAMP1_VINP/COMP_1_INP	
[5] PB1/USB_OTG_HS_ULPI_D2	R4	PB1/TIM1_CH3N/TIM3_CH4/TIM8_CH3N/DFSDM1_DATIN1/LTDC_R6/USB_OTG_HS_ULPI_D2/ETH_RXD3/LTDC_G0/ADC12_INP5/COMP_1_INM	
[3] PB2/QUADSPI_CLK	M6	PB2/SAI1_D1/DFSDM1_CKIN1/SAI1_SD_A/I2S3_SDO/SPI3_MOSI/SAI4_SD_A/QUADSPI_CLK/SAI4_D1/ETH_TX_ER	
[4] PB3/SDMMC2_D2	A10	PB3/SYS_JTDO-SWO/TIM2_CH2/HRTIM_FLT4/I2S1_CK/SPI1_SCK/I2S3_CK/SPI3_SCK/SPI6_SCK/SDMMC2_D2/UART7_RX	
[4] PB4/SDMMC2_D3	A9	PB4/SYS_JTRST/TIM16_BKIN/TIM3_CH1/HRTIM_EEV6/I2S1_SDI/SPI1_MISO/I2S3_SDI/SPI3_MISO/I2S2_WS/SPI2_NSS/SPI6_MISO/SDMMC2_D3/UART7_TX	
[5] PB5/USB_OTG_HS_ULPI_D7	A6	PB5/TIM17_BKIN/TIM3_CH2/HRTIM_EEV7/I2C1_SMBA/I2S1_SDO/SPI1_MOSI/I2C4_SMBA/I2S3_SDO/SPI3_MOSI/SPI6_MOSI/FDCAN2_RX/USB_OTG_HS_ULPI_D7/ETH_PPS_OUT/FMC_SDCKE1/DCMI_D10/UART5_RX	
[3] PB6/LCD_RST	B6	PB6/TIM16_CH1N/TIM4_CH1/HRTIM_EEV8/I2C1_SCL/CEC/I2C4_SCL/USART1_TX/LPUART1_TX/FDCAN2_TX/QUADSPI_BK1_NCS/DFSDM1_DATIN5/FMC_SDNE1/DCMI_D5/UART5_TX	
[7] PB7/TIM4_CH2	B5	PB7/TIM17_CH1N/TIM4_CH2/HRTIM_EEV9/I2C1_SDA/I2C4_SDA/USART1_RX/LPUART1_RX/FDCAN2_TXFD/DFSDM1_CKIN5/FMC_NL/DCMI_VSYNC/PVD_IN	
[4] PB8/SDIO_D4	A5	PB8/TIM16_CH1/TIM4_CH3/DFSDM1_CKIN7/I2C1_SCL/I2C4_SCL/SDMMC1_CKIN/UART4_RX/FDCAN1_RX/SDMMC2_D4/ETH_TXD3/SDMMC1_D4/DCMI_D6/LTDC_B6	
[4] PB9/SDIO_D5	B4	PB9/TIM17_CH1/TIM4_CH4/DFSDM1_DATIN7/I2C1_SDA/I2S2_WS/SPI2_NSS/I2C4_SDA/SDMMC1_CDIR/UART4_TX/FDCAN1_TX/SDMMC2_D5/I2C4_SMBA/SDMMC1_D5/DCMI_D7/LTDC_B7	
[5] PB10/USB_OTG_HS_ULPI_D3	R12	PB10/TIM2_CH3/HRTIM_SCOUT/LPTIM2_IN1/I2C2_SCL/I2S2_CK/SPI2_SCK/DFSDM1_DATIN7/USART3_TX/QUADSPI_BK1_NCS/USB_OTG_HS_ULPI_D3/ETH_RX_ER/LTDC_G4	
[5] PB11/USB_OTG_HS_ULPI_D4	R13	PB11/TIM2_CH4/HRTIM_SCIN/LPTIM2_ETR/I2C2_SDA/DFSDM1_CKIN7/USART3_RX/USB_OTG_HS_ULPI_D4/ETH_TX_EN/LTDC_G5	
[5] PB12/USB_OTG_HS_ULPI_D5	P12	PB12/TIM1_BKIN/I2C2_SMBA/I2S2_WS/SPI2_NSS/DFSDM1_DATIN1/USART3_CK/FDCAN2_RX/USB_OTG_HS_ULPI_D5/ETH_TXD0/USB_OTG_HS_ID/TIM1_BKIN_COMP1/TIM1_BKIN_COMP2/UART5_RX	
[5] PB13/USB_OTG_HS_ULPI_D6	P13	PB13/TIM1_CH1N/LPTIM2_OUT/I2S2_CK/SPI2_SCK/DFSDM1_CKIN1/FDCAN2_TX/USB_OTG_HS_ULPI_D6/ETH_TXD1/UART5_TX/OTG_HS_	
[4] PB14/SDMMC2_D0	R14	PB14/TIM1_CH2N/TIM12_CH1/TIM8_CH2N/USART1_TX/I2S2_SDI/SPI2_MISO/DFSDM1_DATIN2/USART3_DE/USART3_RTS/UART4_DE/UART4_RTS/SDMMC2_D0/USB_OTG_HS_DM	
[4] PB15/SDMMC2_D1	R15	PB15/RTC_REFIN/TIM1_CH3N/TIM12_CH2/TIM8_CH3N/USART1_RX/I2S2_SDO/SPI2_MOSI/DFSDM1_CKIN2/UART4_CTS/SDMMC2_D1/USB_OTG_HS_DP	
[5] PC0/USB_OTG_HS_ULPI_STP	M2	PC0/DFSDM1_CKIN0/DFSDM1_DATIN4/SAI2_FS_B/USB_OTG_HS_ULPI_STP/FMC_SDNWE/LTDC_R5/ADC123_IP10	
[5] PC1/ETH_RMII_MDC	M3	PC1/SYS_TRACEDO/SAI1_D1/DFSDM1_DATIN0/DFSDM1_CKIN4/I2S2_SDO/SPI2_MOSI/SAI1_SD_A/SAI4_SD_A/SDMMC2_CK/SAI4_D1/ETH_MDC/MDIOS_MDC/ADC123_INN10/ADC123_INP11/RTC_TAMP_3/WKUP5	
[6] PC2_C/ADC3_INN1/ADC3_INP0/[ADC123_INN11/INP12]	M4	PC2/DFSDM1_CKIN1/I2S2_SDI/SPI2_MISO/DFSDM1_CKOUT/USB_OTG_HS_ULPI_DIR/ETH_TXD2/FMC_SDNE0/ADC123_INN11/ADC123_INP12	
[6] PC3_C/ADC3_INP1/[PC3/ADC12_INN12/ADC12_INP13]	M5	PC3/DFSDM1_DATIN1/I2S2_SDO/SPI2_MOSI/USB_OTG_HS_ULPI_NXT/ETH_TX_CLK/FMC_SDCKE0/ADC12_INN12/ADC12_INP13	
[5] PC4/ETH_RMII_RXD0	N5	PC4/DFSDM1_CKIN2/I2S1_MCK/SPDIFRX_IN2/ETH_RXD0/FMC_SDNE0/ADC12_INP4/OPAMP1_VOUT/COMP_1_INM	
[5] PC5/ETH_RMII_RXD1	P5	PC5/SAI1_D3/DFSDM1_DATIN2/SPDIFRX_IN3/SAI4_D3/ETH_RXD1/FMC_SDCKE0/COMP1_OUT/ADC12_INN4/ADC12_INP8/OPAMP1_VINM	
[4] PC6/SDIO_D6	H15	PC6/HRTIM_CHA1/TIM3_CH1/TIM8_CH1/DFSDM1_CKIN3/I2S2_MCK/USART6_TX/SDMMC1_DODIR/FMC_NWAIT/SDMMC2_D6/SDMMC1_D6/DCMI_D0/LTDC_HSYNC/SWPMI_IO	
[4] PC7/SDIO_D7	G15	PC7/SYS_TRGIO/HRTIM_CHA2/TIM3_CH2/TIM8_CH2/DFSDM1_DATIN3/I2S3_MCK/USART6_RX/SDMMC1_D123DIR/FMC_NE1/SDMMC2_D7/SWPMI1_TX/SDMMC1_D7/DCMI_D1/LTDC_G6	
[4] PC8/SDIO_D0	G14	PC8/SYS_TRACED1/HRTIM_CHB1/TIM3_CH3/TIM8_CH3/USART6_CK/UART5_DE/UART5_RTS/FMC_NCE/FMC_NE2/SWPMI1_RX/SDMMC1_D0/DCMI_D2	
[4] PC9/SDIO_D1	F14	PC9/RCC_MCO_2/TIM3_CH4/TIM8_CH4/I2C3_SDA/I2S_CKIN/UART5_CTS/QUADSPI_BK1_IO0/LTDC_G3/SWPMI1_SUSPEND/SDMMC1_D1/DCMI_D3/LTDC_B2	
[4] PC10/SDIO_D2	B14	PC10/HRTIM_EEV1/DFSDM1_CKIN5/I2S3_CK/SPI3_SCK/USART3_TX/UART4_TX/QUADSPI_BK1_IO1/SDMMC1_D2/DCMI_D8/LTDC_R2	
[4] PC11/SDIO_D3	B13	PC11/HRTIM_FLT2/DFSDM1_DATIN5/I2S3_SDI/SPI3_MISO/USART3_RX/UART4_RX/QUADSPI_BK2_NCS/SDMMC1_D3/DCMI_D4	
[4] PC12/SDIO_CK	A12	PC12/SYS_TRACED3/HRTIM_EEV2/I2S3_SDO/SPI3_MOSI/USART3_CK/UART5_TX/SDMMC1_CK/DCMI_D9	
[8] PC13/TVCC_ON/OFF	D1	PC13/RTC_TAMP_1/RTC_TS/WKUP2	
[7] PD0/FMC_D2	B12	PD0/DFSDM1_CKIN6/SAI3_SCK_A/UART4_RX/FDCAN1_RX/FMC_D2/FMC_DA2	
[7] PD1/FMC_D3	C12	PD1/DFSDM1_DATIN6/SAI3_SD_A/UART4_TX/FDCAN1_TX/FMC_D3/FMC_DA3	
[4]PD2/SDIO_CMD	D12	PD2/SYS_TRACED2/TIM3_ETR/UART5_RX/SDMMC1_CMD/DCMI_D11	
[7] PD3/SPI2_SCK	D11	PD3/DFSDM1_CKOUT/I2S2_CK/SPI2_SCK/USART2_CTS_NSS/FMC_CLK/DCMI_D5/LTDC_G7	
[7]PD4/FMC_NOE	D10	PD4/HRTIM_FLT3/SAI3_FS_A/USART2_DE/USART2_RTS/FDCAN1_RXFD/FMC_NOE	
[7] PD5/FMC_NWE	C11	PD5/HRTIM_EEV3/USART2_TX/FDCAN1_TXFD/FMC_NWE	
[4] PD6/SDMMC2_CK	B11	PD6/SAI1_D1/DFSDM1_CKIN4/DFSDM1_DATIN1/I2S3_SDO/SPI3_MOSI/SAI1_SD_A/USART2_RX/SAI4_SD_A/FDCAN2_RXFD/SAI4_D1/SDMMC2_CK/FMC_NWAIT/DCMI_D10/LTDC_B2	
[4] PD7/SDMMC2_CMD	A11	PD7/DFSDM1_DATIN4/I2S1_SDO/SPI1_MOSI/DFSDM1_CKIN1/USART2_CK/SPDIFRX_IN0/SDMMC2_CMD/FMC_NE1	
[1,4] PA11/CAN1_RX/PD8/FMC_D13	P15	PD8/DFSDM1_CKIN3/SAI3_SCK_B/USART3_TX/SPDIFRX_IN1/FMC_D13/FMC_DA13	
[7] PD9/D2_DIR	P14	PD9/DFSDM1_DATIN3/SAI3_SD_B/USART3_RX/FDCAN2_RXFD/FMC_D14/FMC_DA14	
[7] PD10/D6_DIR	N15	PD10/DFSDM1_CKOUT/SAI3_FS_B/USART3_CK/FDCAN2_TXFD/FMC_D15/FMC_DA15/LTDC_B3	
[3] PD11/QUADSPI_BK1_IO0	N14	PD11/LPTIM2_IN2/I2C4_SMBA/USART3_CTS_NSS/QUADSPI_BK1_IO0/SAI2_SD_A/FMC_A16	
[3] PD12/QUADSPI_BK1_IO1	N13	PD12/LPTIM1_IN1/TIM4_CH1/LPTIM2_IN1/I2C4_SCL/USART3_DE/USART3_RTS/QUADSPI_BK1_IO1/SAI2_FS_A/FMC_A17	
[3] PD13/QUADSPI_BK1_IO3	M15	PD13/LPTIM1_OUT/TIM4_CH2/I2C4_SDA/QUADSPI_BK1_IO3/SAI2_SCK_A/FMC_A18	
[7] PD14/FMC_D0	M14	PD14/TIM4_CH3/SAI3_MCLK_B/UART8_CTS/FMC_D0/FMC_DA0	
[7] PD15/FMC_D1	L14	PD15/TIM4_CH4/SAI3_MCLK_A/UART8_DE/UART8_RTS/FMC_D1/FMC_DA1	
[4] PE0/UART8_RX	A4	PE0/LPTIM1_ETR/TIM4_ETR/HRTIM_SCIN/LPTIM2_ETR/UART8_RX/FDCAN1_RXFD/SAI2_MCLK_A/FMC_NBL0/DCMI_D2	
[3] PE1/LCD_CS	A3	PE1/LPTIM1_IN2/HRTIM_SCOUT/UART8_TX/FDCAN1_TXFD/FMC_NBL1/DCMI_D3	
[7]PE2/SPI4_SCK	A2	PE2/SYS_TRACECLK/SAI1_CK1/SPI4_SCK/SAI1_MCLK_A/SAI4_MCLK_A/QUADSPI_BK1_IO2/SAI4_CK1/ETH_TXD3/FMC_A23	
[6]PE3/65130_SW	A1	PE3/SYS_TRACED0/TIM15_BKIN/SAI1_SD_B/SAI4_SD_B/FMC_A19	
[7] PE4/SPI4_NSS	B1	PE4/SYS_TRACED1/SAI1_D2/DFSDM1_DATIN3/TIM15_CH1N/SPI4_NSS/SAI1_FS_A/SAI4_FS_A/SAI4_D2/FMC_A20/DCMI_D4/LTDC_B0	
[7] PE5/SPI4_MISO	B2	PE5/SYS_TRACED2/SAI1_CK2/DFSDM1_CKIN3/TIM15_CH1/SPI4_MISO/SAI1_SCK_A/SAI4_SCK_A/SAI4_CK2/FMC_A21/DCMI_D6/LTDC_G0	
[7] PE6/SPI4_MOSI	B3	PE6/SYS_TRACED3/TIM1_BKIN2/SAI1_D1/TIM15_CH2/SPI4_MOSI/SAI1_SD_A/SAI4_SD_A/SAI4_D1/SAI2_MCLK_B/TIM1_BKIN2_COMP1/TIM1_BKIN2_COMP2/FMC_A22/DCMI_D7/LTDC_G1	
[7] PE7/FMC_D4	R8	PE7/TIM1_ETR/DFSDM1_DATIN2/UART7_RX/QUADSPI_BK2_IO0/FMC_D4/FMC_DA4/OPAMP2_VOUT/COMP_2_INM	
[7] PE8/FMC_D5	P8	PE8/TIM1_CH1N/DFSDM1_CKIN2/UART7_TX/QUADSPI_BK2_IO1/FMC_D5/FMC_DA5/COMP2_OUT/OPAMP2_VINM	
[7] PE9/FMC_D6	P9	PE9/TIM1_CH1/DFSDM1_CKOUT/UART7_DE/UART7_RTS/QUADSPI_BK2_IO2/FMC_D6/FMC_DA6/OPAMP2_VINP/COMP_2_INP	
[7] PE10/FMC_D7	R9	PE10/TIM1_CH2N/DFSDM1_DATIN4/UART7_CTS/QUADSPI_BK2_IO3/FMC_D7/FMC_DA7/COMP_2_INM	
[7] PE11/FMC_D8	P10	PE11/TIM1_CH2/DFSDM1_CKIN4/SPI4_NSS/SAI2_SD_B/FMC_D8/FMC_DA8/LTDC_G3/COMP_2_INP	
[7] PE12/FMC_D9	R10	PE12/TIM1_CH3N/DFSDM1_DATIN5/SPI4_SCK/SAI2_SCK_B/FMC_D9/FMC_DA9/COMP1_OUT/LTDC_B4	
[1,4,7] PA9/USART1_TX/PE13/FMC_D10	N11	PE13/TIM1_CH3/DFSDM1_CKIN5/SPI4_MISO/SAI2_FS_B/FMC_D10/FMC_DA10/COMP2_OUT/LTDC_DE	
[1,7] PA10/USART1_RX/PE14/FMC_D11	P11	PE14/TIM1_CH4/SPI4_MOSI/SAI2_MCLK_B/FMC_D11/FMC_DA11/LTDC_CLK	
[1,4] PA12/CAN1_TX/PE15/FMC_D12	R11	PE15/TIM1_BKIN/FMC_D12/FMC_DA12/TIM1_BKIN_COMP1/TIM1_BKIN_COMP2/LTDC_R7	
[7] PF0/I2C2_SDA	E2	PF0/I2C2_SDA/FMC_A0	
[7] PF1/I2C2_SCL	H3	PF1/I2C2_SCL/FMC_A1	
[3]PF2/KEY1	H2	PF2/I2C2_SMBA/FMC_A2	
[3] PF3/ADC3_INP5/THERMAL_RESISTOR_TEST	J2	PF3/FMC_A3/ADC3_INP5	
[2] PF4/GPIO/ADC3_INN5/ADC3_INP9	J3	PF4/FMC_A4/ADC3_INN5/ADC3_INP9	
[8] PF5/ADC3_INP4/CURRENT_TEST_SWD	K3	PF5/FMC_A5/ADC3_INP4	
[4] PF6/ESP32-S_RESET	K2	PF6/TIM16_CH1/SPI5_NSS/SAI1_SD_B/UART7_RX/SAI4_SD_B/QUADSPI_BK1_IO3/ADC3_INN4/ADC3_INP8	
[3] PF7/QUADSPI_BK1_IO2	K1	PF7/TIM17_CH1/SPI5_SCK/SAI1_MCLK_B/UART7_TX/SAI4_MCLK_B/QUADSPI_BK1_IO2/ADC3_INP3	
[3] PF8/ADC3_INN3/ADC3_INP7	L3	PF8/TIM16_CH1N/SPI5_MISO/SAI1_SCK_B/UART7_DE/UART7_RTS/SAI4_SCK_B/TIM13_CH1/QUADSPI_BK1_IO0/ADC3_INN3/ADC3_INP7	
[1,6] PF11/ADC1_INP2/PF9/ADC3_INP2/PF13/ADC2_INP2	R118 0 L2	PF9/TIM17_CH1N/SPI5_MOSI/SAI1_FS_B/UART7_CTS/SAI4_FS_B/TIM14_CH1/QUADSPI_BK1_IO1/ADC3_INP2	
[1,6] PF12/ADC1_INN2/PF10/ADC3_INN2/PF14/ADC2_INN2	R27 0 L1	PF10/TIM16_BKIN/SAI1_D3/QUADSPI_CLK/SAI4_D3/DCMI_D11/LTDC_DE/ADC3_INN2/ADC3_INP6	
[1,6] PF11/ADC1_INP2/PF9/ADC3_INP2/PF13/ADC2_INP2	R125 0 R6	PF11/SPI5_MOSI/SAI2_SD_B/FMC_SDNRAS/DCMI_D12/ADC1_INP2	
[1,6] PF12/ADC1_INN2/PF10/ADC3_INN2/PF14/ADC2_INN2	R133 0 P6	PF12/FMC_A6/ADC1_INN2/ADC1_INP6	
[1,6] PF11/ADC1_INP2/PF9/ADC3_INP2/PF13/ADC2_INP2	R126 0 N6	PF13/DFSDM1_DATIN6/I2C4_SMBA/FMC_A7/ADC2_INP2	
[1,6] PF12/ADC1_INN2/PF10/ADC3_INN2/PF14/ADC2_INN2	R134 0 R7	PF14/DFSDM1_CKIN6/I2C4_SCL/FMC_A8/ADC2_INN2/ADC2_INP6	
[3,8] PF15/I2C4_SDA	P7	PF15/I2C4_SDA/FMC_A9	

阅读提示： 网标旁边[]内的数字表示该网标存在的页码

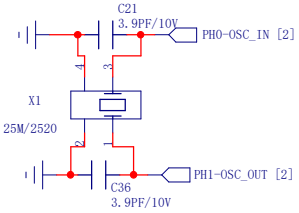
H7-TOOL开发工具	D2553-6	2019-09-30	SHEET NAME: [1]CPU_GPIOA_F
1 / 8	武汉安富莱电子有限公司	淘宝店: armfly.taobao.com	

CPU GPIO G-I

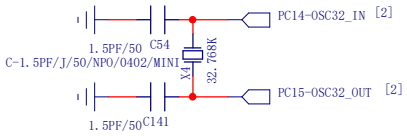




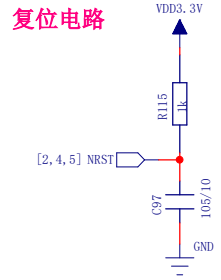
HSE晶振



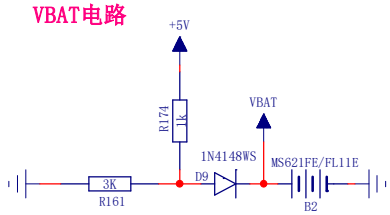
LSE晶振



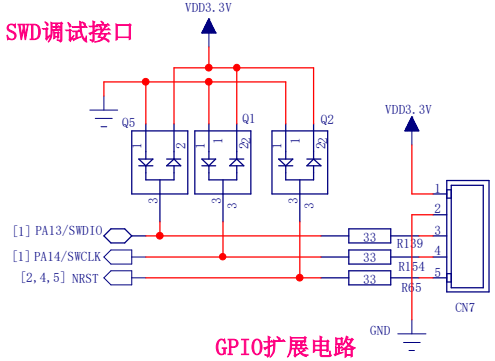
复位电路



VBAT电路



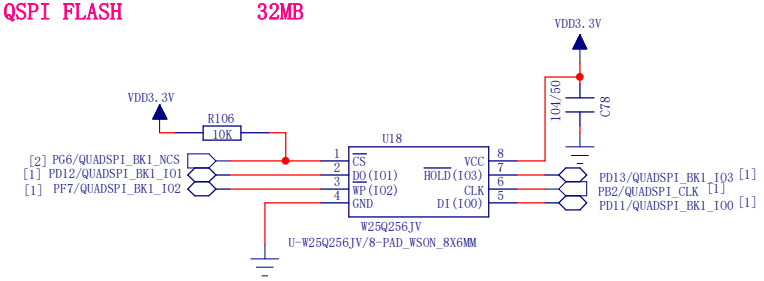
SWD调试接口



GPIO扩展电路

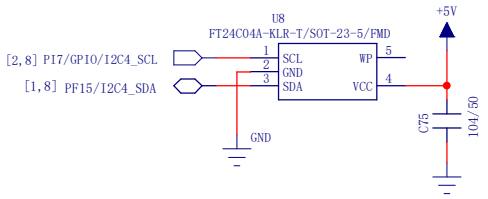
H7-TOOL开发工具	
D253-6	2019-09-30
SHEET NAME: [2]CPU_GPIOGHI_VDD	
武汉安富莱电子有限公司 淘宝店：armfly.taobao.com	2 / 8

QSPI FLASH 32MB

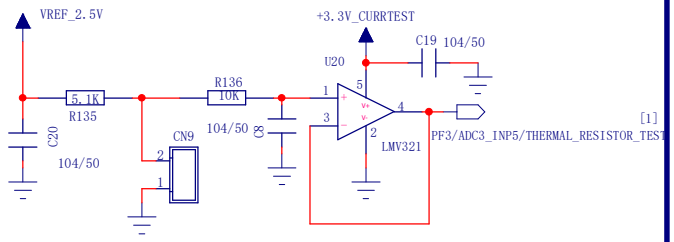


I2C EEPROM

实际贴装的是24C16 （2K字节）

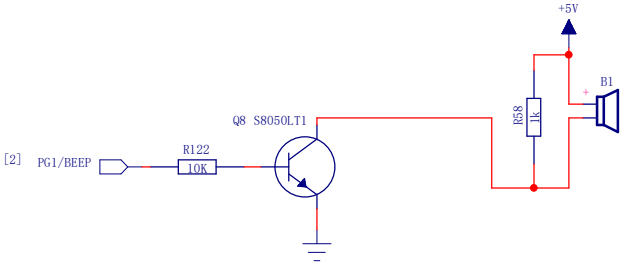


热敏电阻测温接口电路



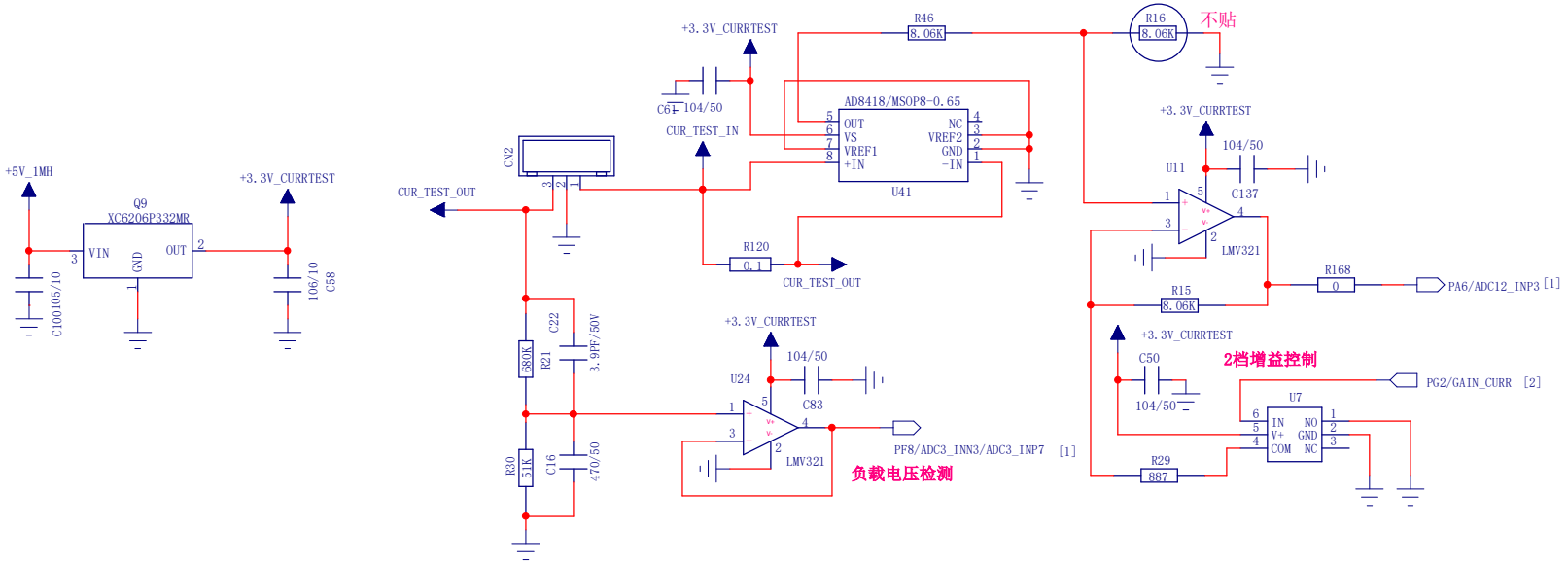
LCD屏_按键_LED

蜂鸣器电路



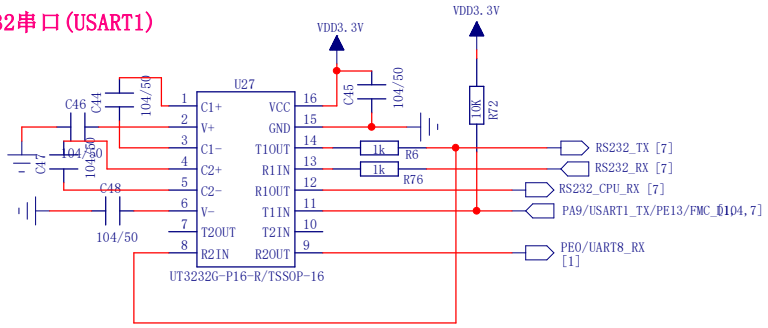
有源蜂鸣器

负载电流检测电路

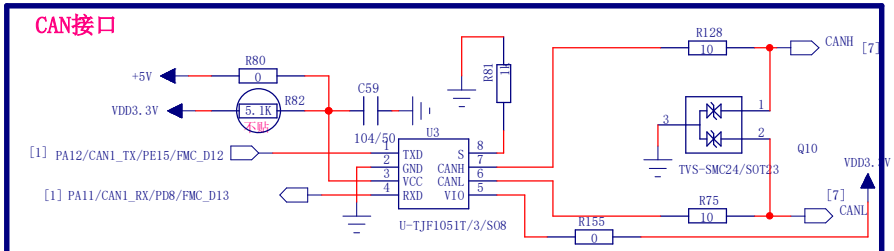


H7-TOOL开发工具	
D253-6	2019-09-30
SHEET NAME[B]24C04_QSPI_LCD_BEEP_CURRTEST	
武汉安富莱电子有限公司 淘宝店：armfly.taobao.com	3 / 8

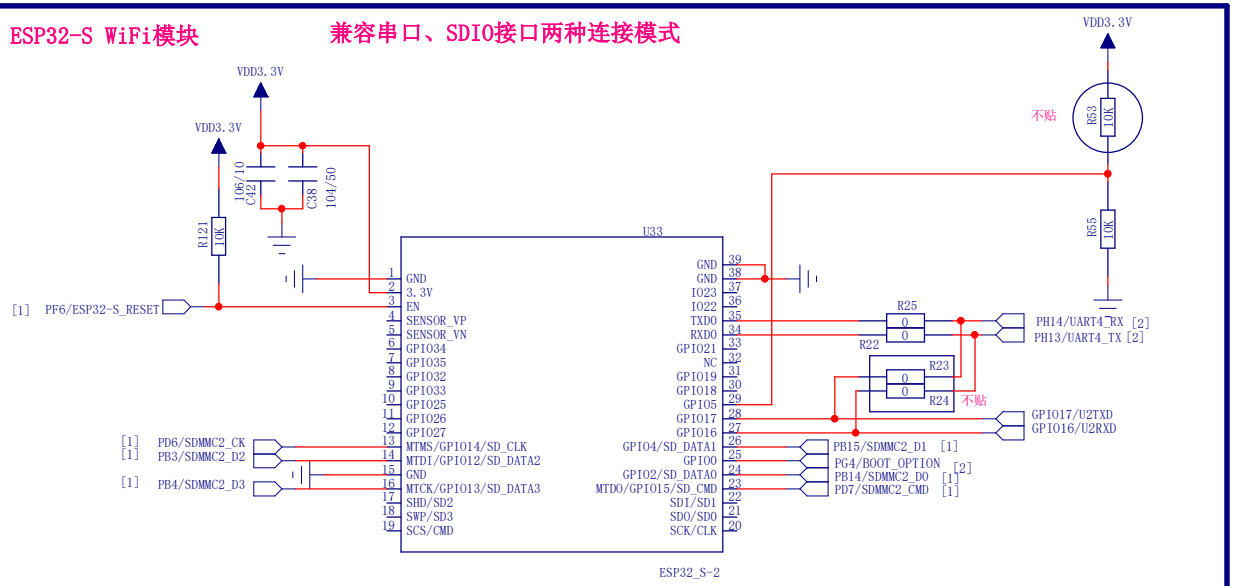
RS232串口(USART1)



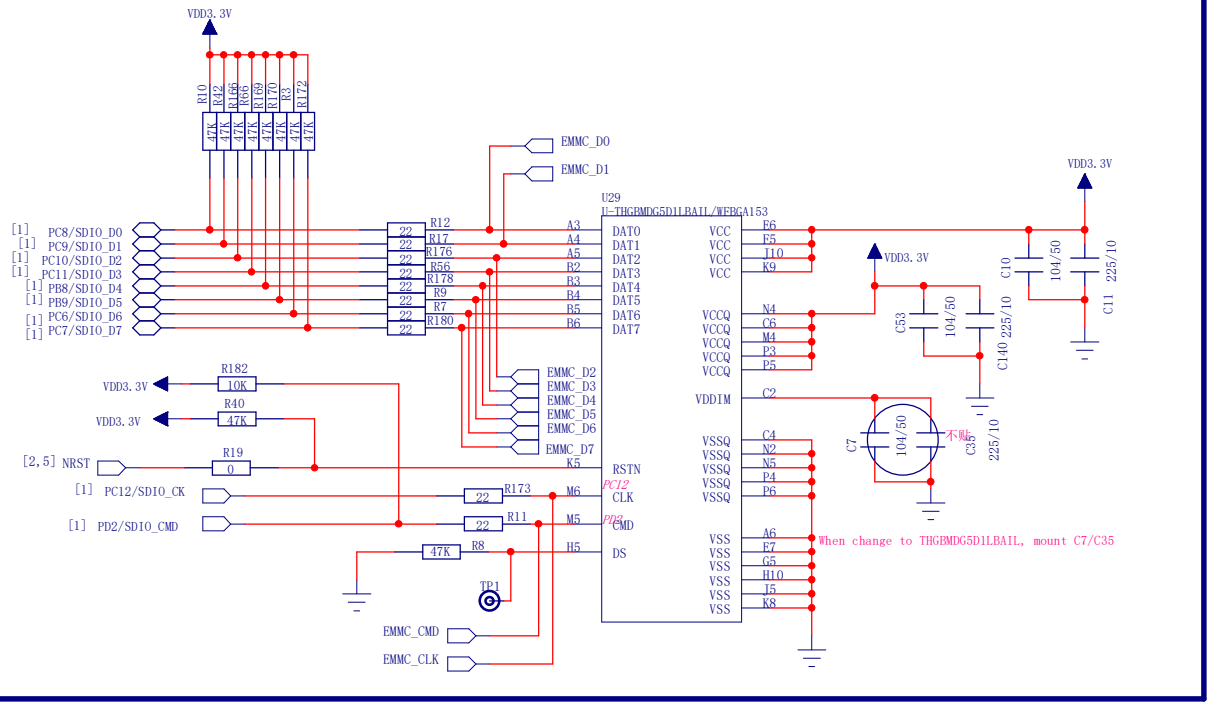
CAN接口



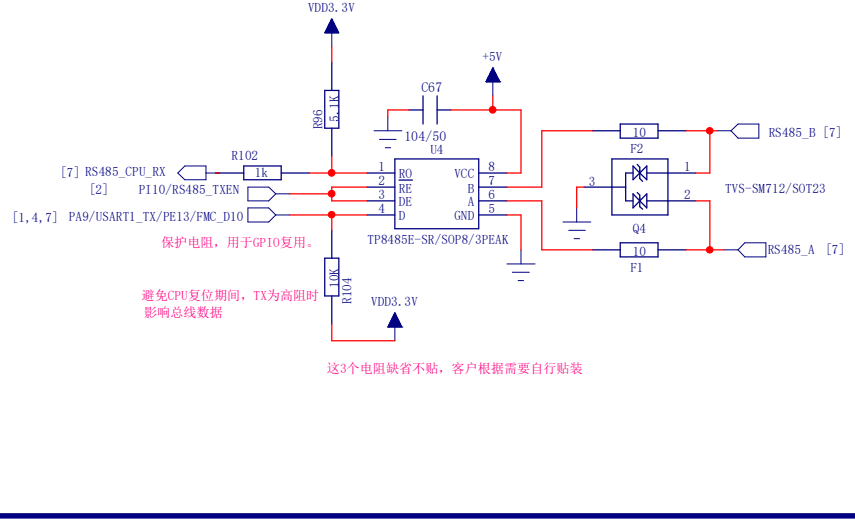
ESP32-S WiFi模块　兼容串口、SDIO接口两种连接模式



EMMC电路



RS485 (USART1)



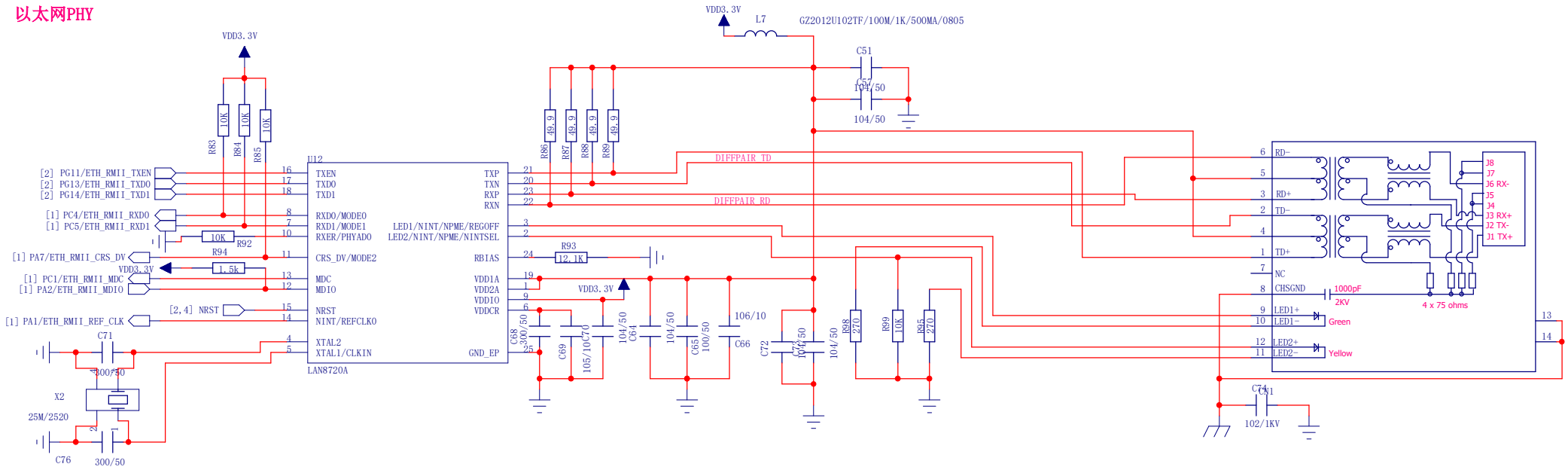
H7-TOOL开发工具

D253-6	2019-09-30

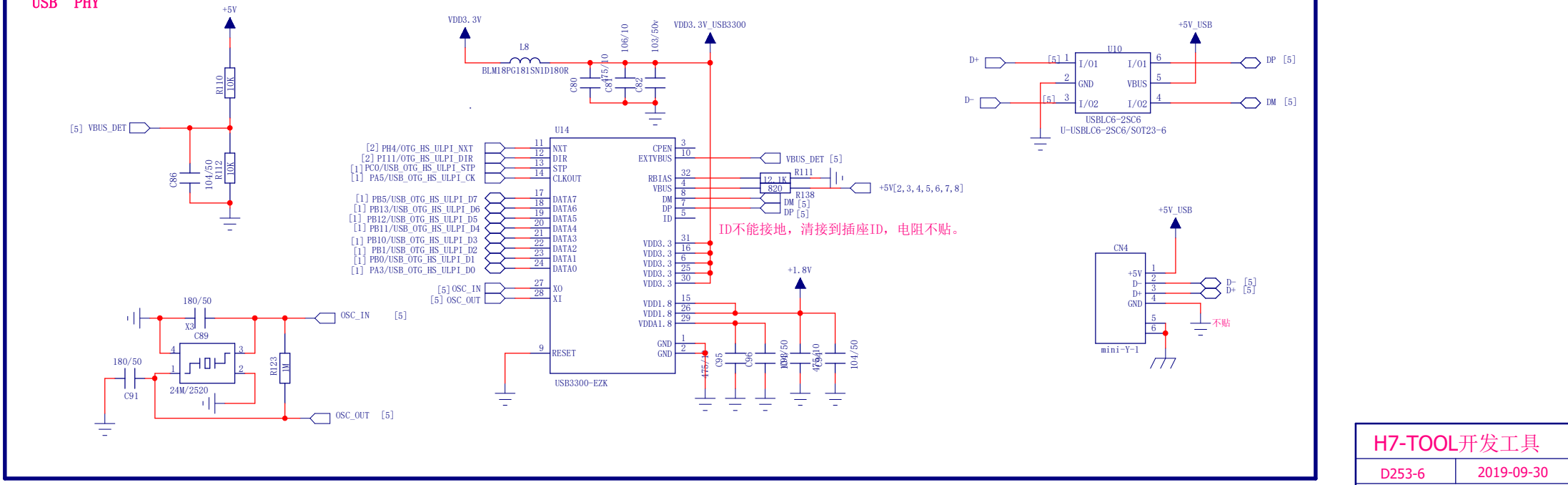
SHEET NAME:[5]RS485_232_CAN_WIFI_EMMC

武汉安富莱电子有限公司
淘宝店：armfly.taobao.com

以太网PHY



USB PHY

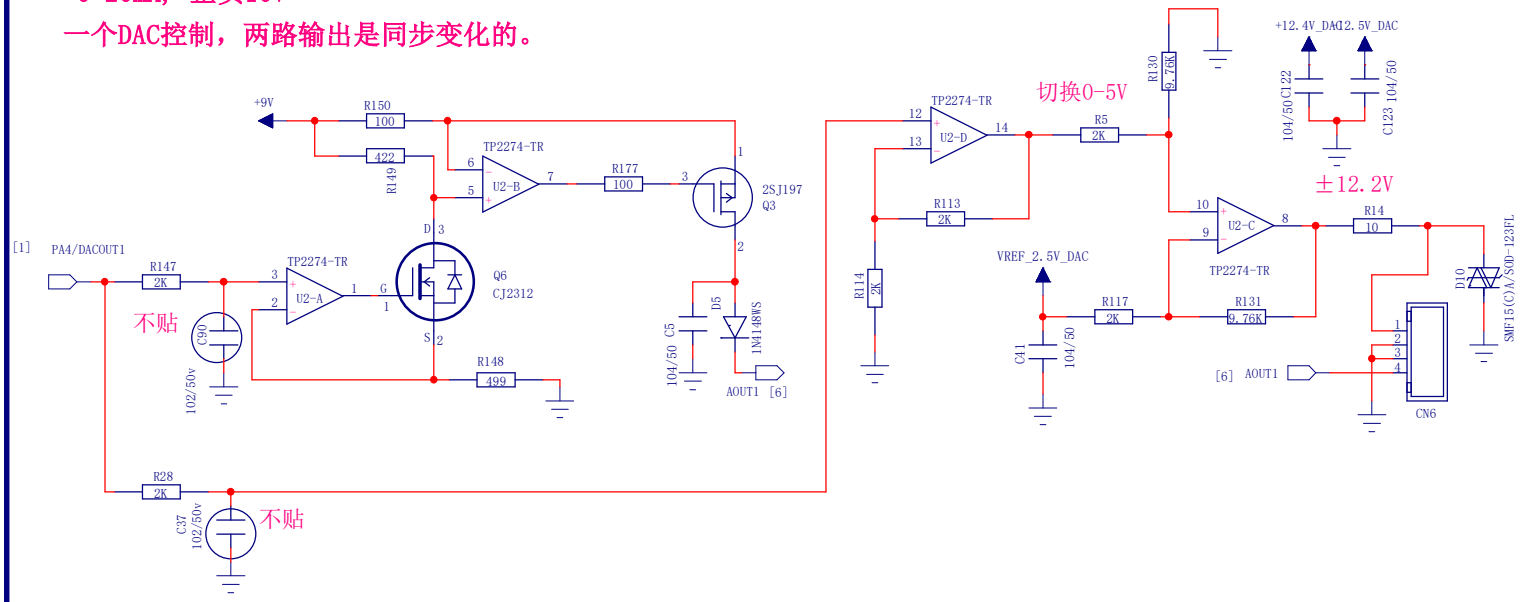


H7-TOOL开发工具	
D253-6	2019-09-30
SHEET NAME: [6]LAN_USB	
武汉安富莱电子有限公司	5 / 8
淘宝店：armfly.taobao.com	

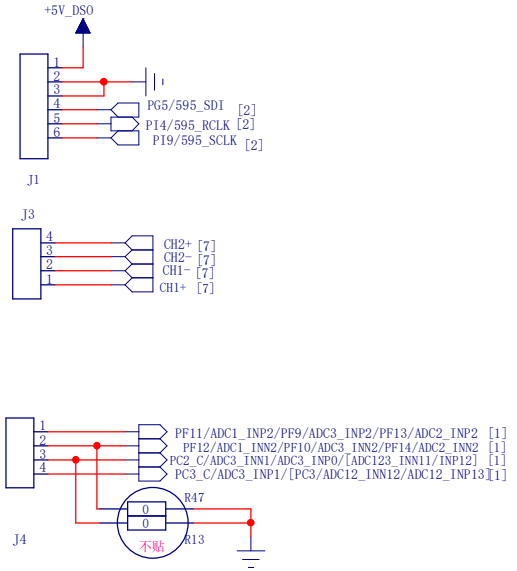
DAC模拟量输出

0-20mA，正负10V

一个DAC控制，两路输出是同步变化的。



ADC示波器接口



升压电路（DAC电路用）

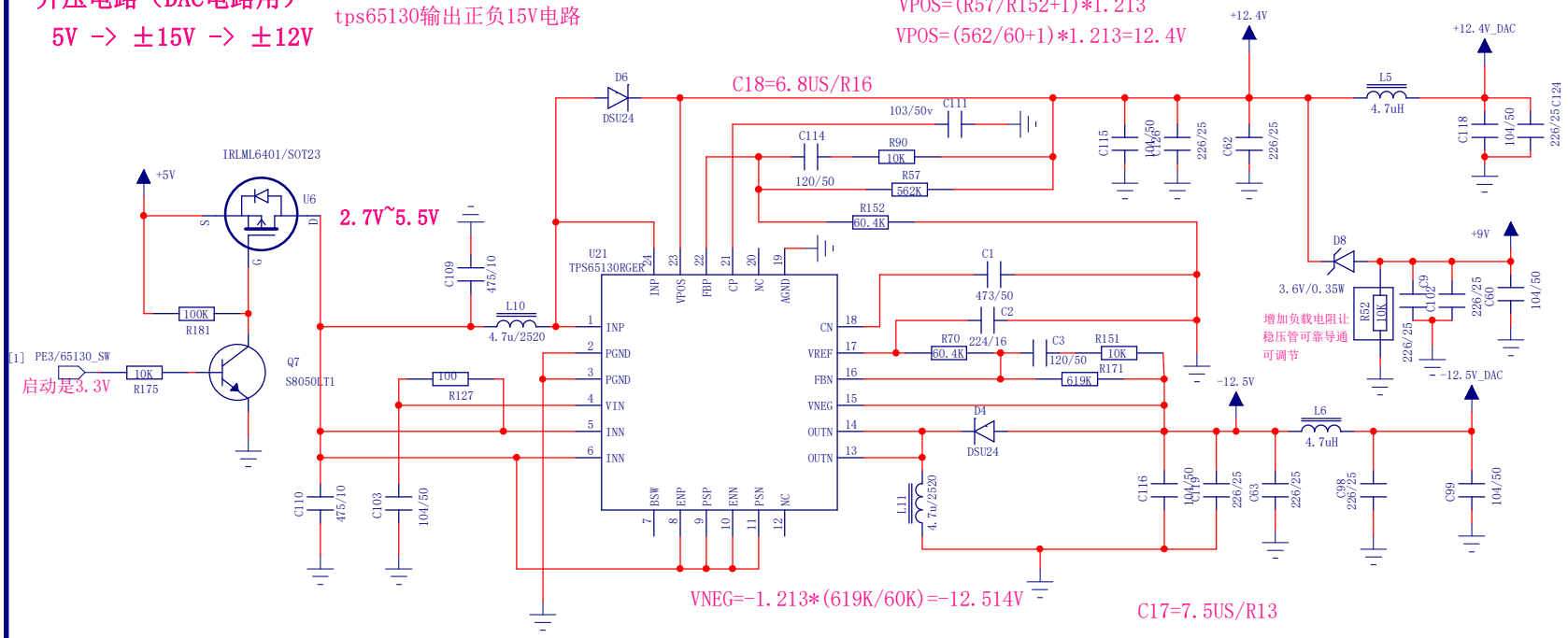
5V -> ±15V -> ±12V

tps65130输出正负15V电路

VPOS=(R57/R152+1)*1.213

VPOS=(562/60+1)*1.213=12.4V

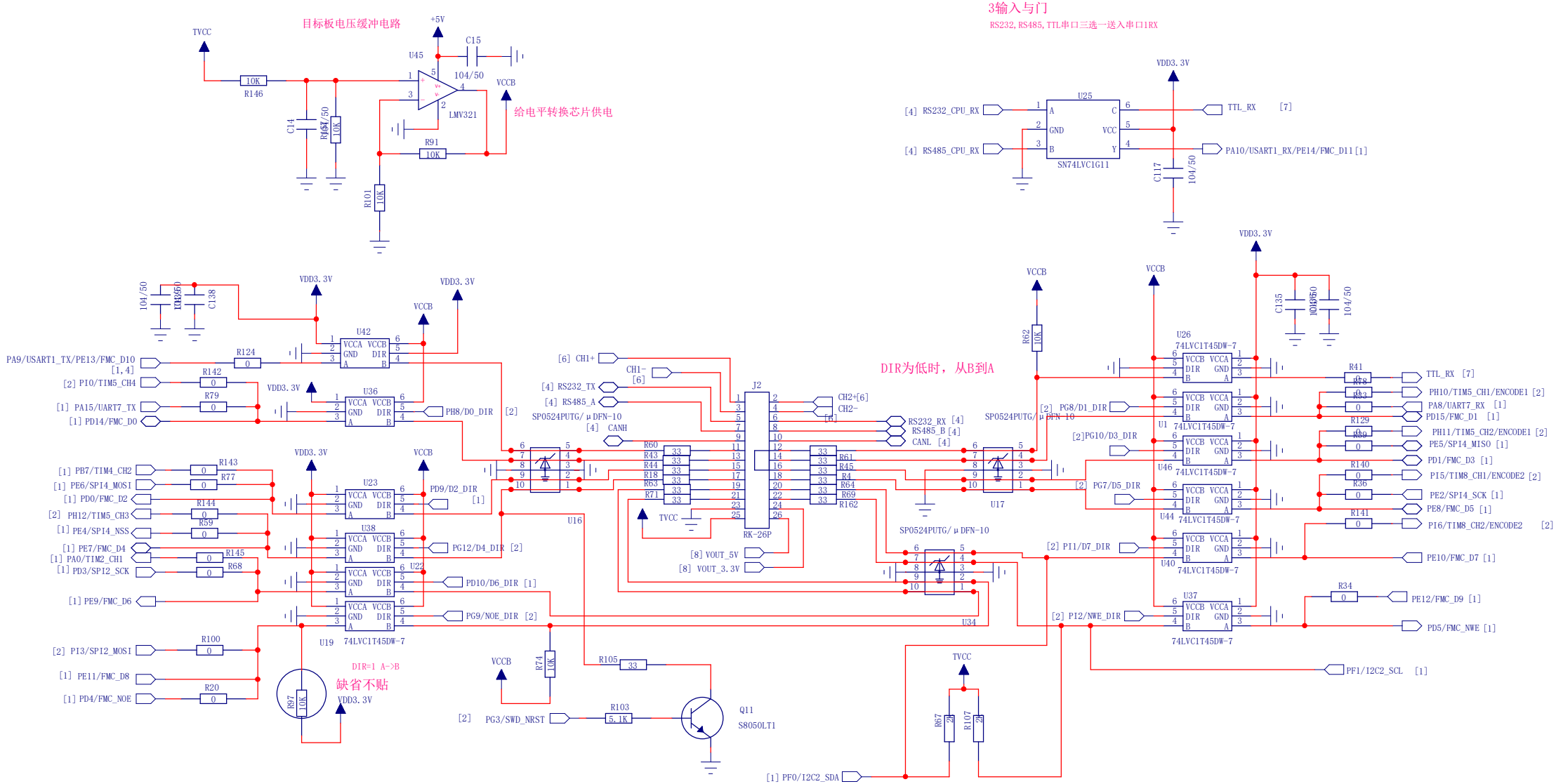
C18=6.8US/R16



VNEG=-1.213*(619K/60K)=-12.514V

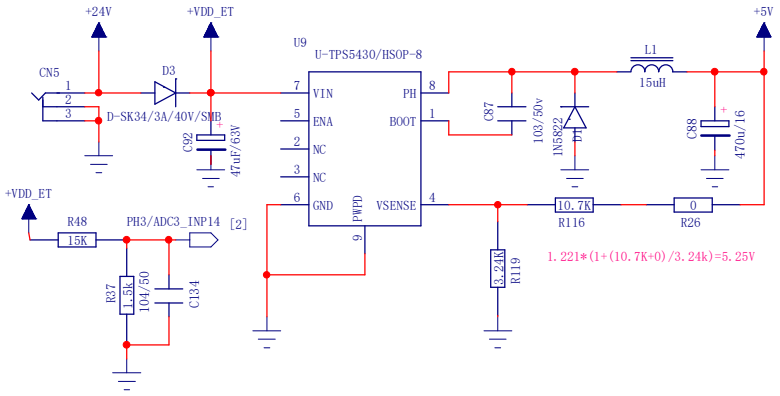
C17=7.5US/R13

H7-TOOL开发工具	
D253-6	2019-09-30
SHEET NAME: [8]DAC	
武汉安富莱电子有限公司 淘宝店：armfly.taobao.com	6 / 8

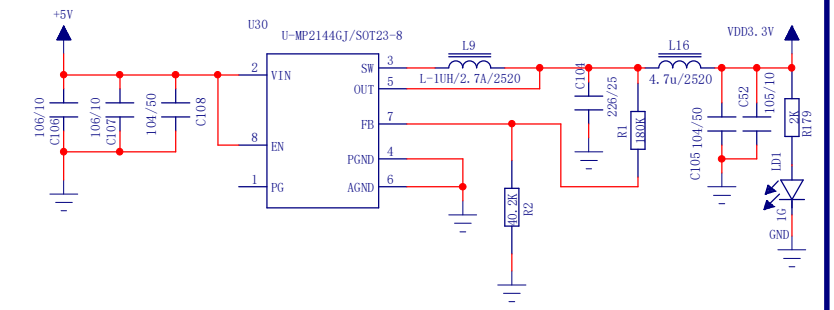


H7-TOOL开发工具	
D253-6	2019-09-30
SHEET NAME:	[9]PORT
武汉安富莱电子有限公司	7 / 8
淘宝店：armfly.taobao.com	

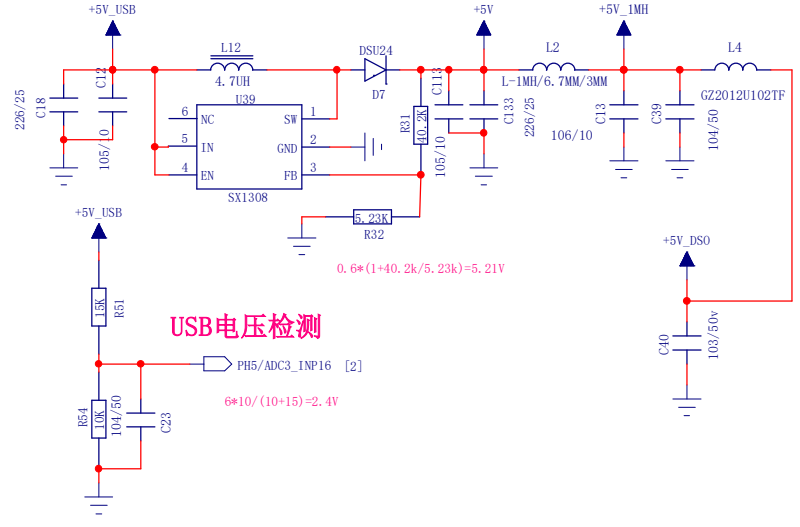
7-36V转5V



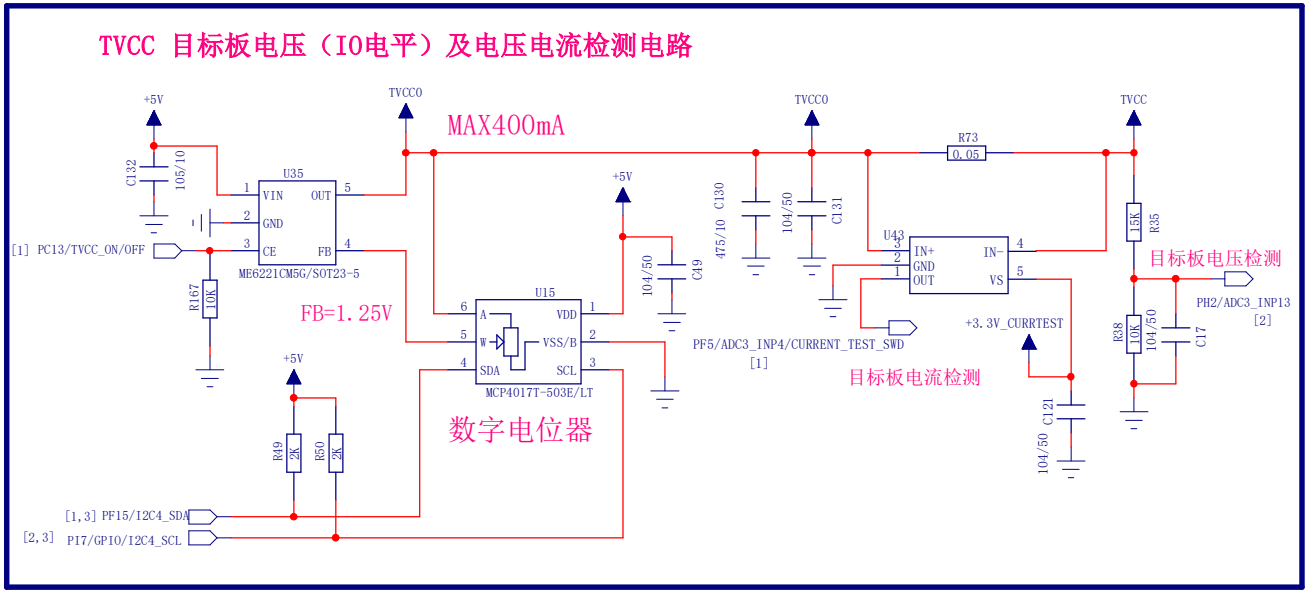
5V转3.3V 开关电源



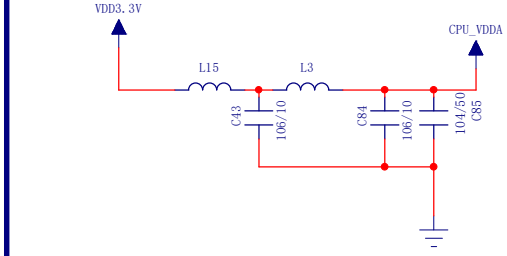
USB 5V升压电路



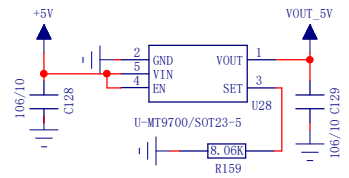
TVCC 目标板电压（IO电平）及电压电流检测电路



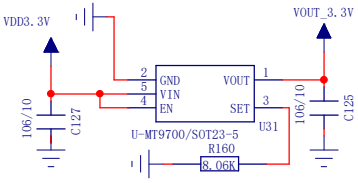
CPU内部模拟部分电源



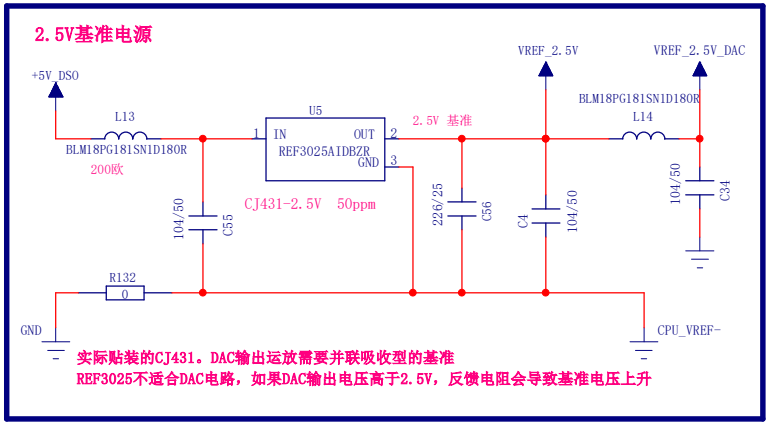
5V限流输出



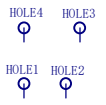
3.3V限流输出



2.5V基准电源



定位孔



H7-TOOL开发工具	
D253-6	2019-09-30
SHEET NAME: [10]POWER	
武汉安富莱电子有限公司 淘宝店：armfly.taobao.com	8 / 8