

U2A

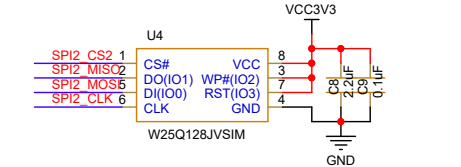
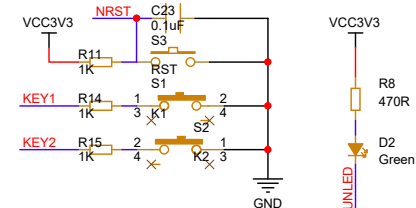
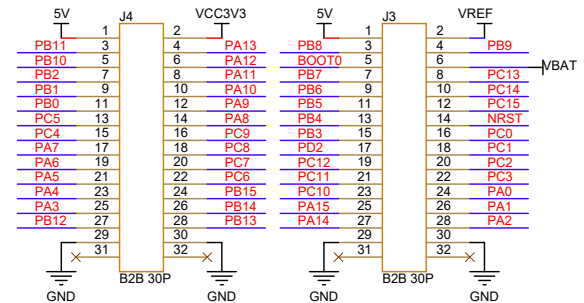
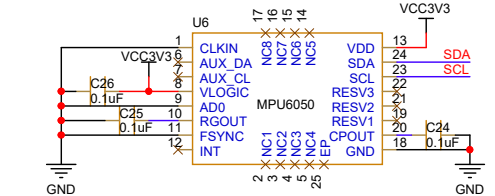
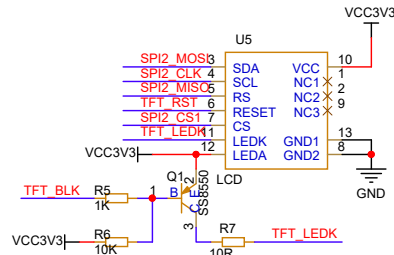
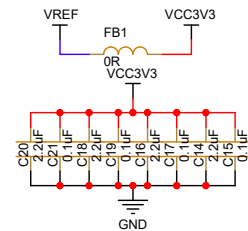
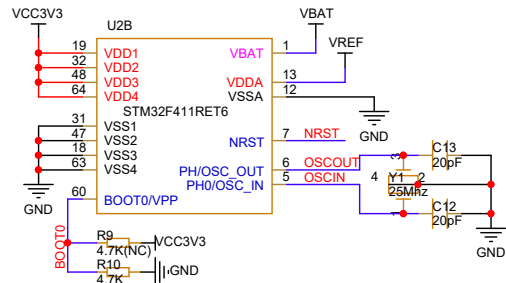
PA0 14 PA0/WKUP1/TIM2_CH1/TIM2_ET/TIM5_CH1/USART2_CTS/ADC1_0
PA1 15 PA1/TIM2_CH2/TIM5_CH2/SPI4_MOSI/I2S4_SD/USART2_RTS/ADC1_1
PA2 16 PA2/TIM2_CH3/TIM5_CH3/TIM9_CH1/I2S2_CKIN/USART2_TX/ADC1_2
PA3 17 PA3/TIM2_CH4/TIM5_CH4/TIM9_CH2/I2S2_MCK/USART2_RX/ADC1_3
PA4 20 PA4/SPI1_NSS/I2S1_WS/SPI3_NSS/I2S3_WS/USART2_CK/ADC1_4
PA5 21 PA5/TIM2_CH1/TIM2_ET/SPI1_SCK/I2S1_CK/ADC1_5
PA6 22 PA6/TIM1_BKIN/TIM3_CH1/SPI1_MISO/I2S2_MCK/SDIO_CMD/ADC1_6
PA7 23 PA7/TIM1_CH1N/TIM3_CH2/SPI1_MOSI/I2S1_SD/ADC1_7
PA8 41 PA8/MCO_1/TIM1_CH1/I2C3_SMB/USART1_CK/USB_FS_SOF/SDIO_D1
PA9 42 PA9/TIM1_CH2/I2C3_SMB/USART1_TX/USB_FS_VBUS/SDIO_D2/OTG_FS_VBUS
PA10 43 PA10/TIM1_CH3/SPI5_MOSI/I2S5_SD/USART1_RX/USB_FS_ID
PA11 44 PA11/TIM1_CH4/SPI4_MISO/USART1_CTS/USART6_TX/USB_FS_DM
PA12 45 PA12/TIM1_ETR/SPI5_MISO/USART1_RTS/USART6_RX/USB_FS_DP
PA13 46 PA13/JTMS-SWDIO
PA14 49 PA14/JTCK-SWCLK
PA15 50 PA15/JTDI/TIM2_CH1/TIM2_ETR/SPI1_NSS/I2S1_WS/SPI3_NSS/I2S3_WS/USART1_TX

PC0 8 PC0/ADC1_10
PC1 9 PC1/ADC1_11
PC2 10 PC2/SPI2_MISO/I2S2ext_SD/ADC1_12
PC3 11 PC3/SPI2_MOSI/I2S2_SD/ADC1_13
PC4 24 PC4/ADC1_14
PC5 25 PC5/ADC1_15
PC6 37 PC6/TIM3_CH1/I2S2_MCK/USART6_TX/SDIO_D6
PC7 38 PC7/TIM3_CH2/SPI2_SCK/I2S2_CK/I2S3_MCK/USART6_RX/SDIO_D7
PC8 39 PC8/TIM3_CH3/USART6_CK/SDIO_D0
PC9 40 PC9/MCO_2/TIM3_CH4/I2C3_SDA/I2S2_CKIN/SDIO_D1
PC10 51 PC10/SPI3_SCK/I2S3_CK/SDIO_D2
PC11 52 PC11/I2S3ext_SD/SPI3_MISO/SDIO_D3
PC12 53 PC12/SPI3_MOSI/I2S3_SD/SDIO_CK
PC13 2 PC13/AN1_TAMP/RTCAMP1/RTC_OUT/RTC_TS
PC14 3 PC14/OSC32_IN
PC15 4 PC15/OSC32_OUT

JTDO-SWO/TIM2_CH2/SPI1_SCK/I2S1_CK/SPI3_SCK/I2S3_CK/USART1_RX/I2C2_SDA/PB3
JTRST/TIM3_CH1/SPI1_MISO/SPI3_MISO/I2S3ext_SD/I2C3_SDA/SDIO_D0/PB4
TIM3_CH2/I2C1_SMB/USART1_MOSI/I2S1_SD/SPI3_MOSI/I2S3_SD/SDIO_D3/PB5
TIM4_CH1/I2C1_SCL/USART1_TX/PB6
TIM4_CH2/I2C1_SDA/USART1_RX/SDIO_D0/PB7
TIM4_CH3/TIM10_CH1/I2C1_SCL/SPI5_MOSI/I2S5_SD/I2C3_SDA/SDIO_D4/PB8
TIM4_CH4/TIM11_CH1/I2C1_SDA/SPI2_NSS/I2S2_WS/I2C2_SDA/SDIO_D5/PB9
TIM2_CH3/I2C2_SCL/SPI2_SCK/I2S2_CK/I2S3_MCK/SDIO_D7/PB10
VCAP_1
TIM1_BKIN/I2C2_SMB/USART1_NSS/I2S2_WS/SPI4_NSS/I2S4_WS/SPI3_SCK/I2S3_CK/PB12
TIM1_CH1N/SPI2_SCK/I2S2_CK/SPI4_SCK/I2S4_CK/PB13
TIM1_CH2N/SPI2_MISO/I2S2ext_SD/SDIO_D6/PB14
RTC_50Hz/TIM1_CH3N/SPI2_MOSI/I2S2_SD/SDIO_CK/RTC_REFIN/PB15

PD2/TIM3_ETR/SDIO_CMD

STM32F411RET6



SPI2 MOSI PA7
SPI2 CLK PA5
SPI2 MISO PA6
SPI2 CS1 PA4
SPI2 CS2 PA12
TFT RST PC4
TFT BLK PA1
BEEP PA2
RGB PA0

SWCLK PA14
SWDIO PA13
SCL PC14
SDA PC13
KEY1 PC0
KEY2 PA3

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