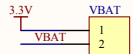
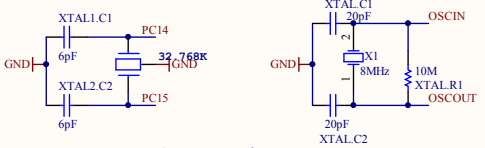
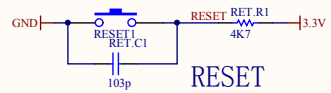
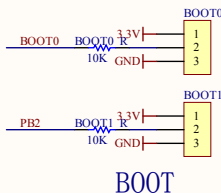
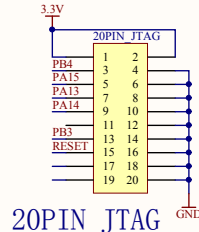


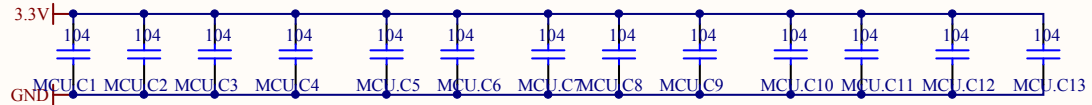
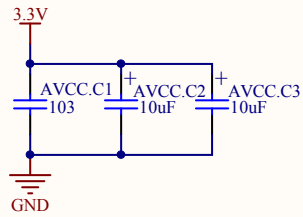
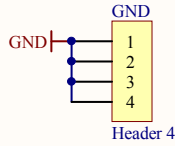
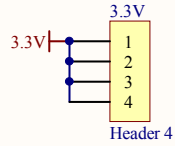
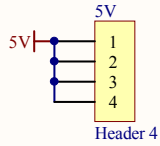
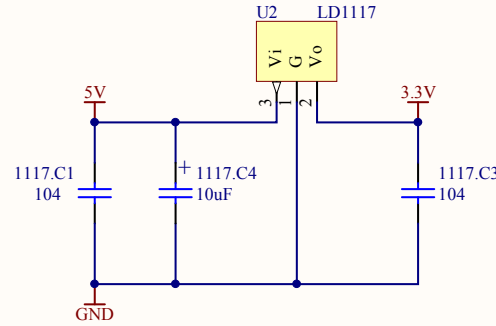
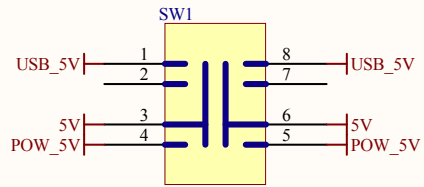
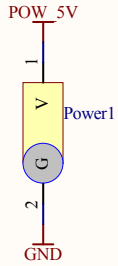
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| Pin    | Function  | Pin   | Function                   |
|--------|---|-------|----------------------------|
| PA0    | WKUP/USART2_CTS/ADC123_IN0/TIM2_CH1_ETR/TIM5_CH1/TIM8_ETR | PD0   | FSMC_D2                    |
| PA1    | USART2_RTS/ADC123_IN1/TIM5_CH2/TIM2_CH2                   | PD1   | FSMC_D3                    |
| PA2    | USART2_TX/TIM5_CH3/ADC123_IN2/TIM2_CH3                    | PD2   | TIM3_ETR/UART5_RX/SDIO_CMD |
| PA3    | USART2_RX/TIM5_CH4/ADC123_IN3/TIM2_CH4                    | PD3   | FSMC_CLK                   |
| PA4    | SPI1_NSS/USART2_CK/DAC_OUT1/ADC12_IN4                     | PD4   | FSMC_NOE                   |
| PA5    | SPI1_SCK/DAC_OUT2/ADC12_IN5                               | PD5   | FSMC_NWE                   |
| PA6    | SPI1_MISO/TIM8_BKIN/ADC12_IN6/TIM3_CH1                    | PD6   | FSMC_NWAIT                 |
| PA7    | SPI1_MOSI/TIM8_CHIN/ADC12_IN7/TIM3_CH2                    | PD7   | FSMC_NE1/FSMC_NCE2         |
| PA8    | USART1_CK/TIM1_CH1/MCO                                    | PD8   | FSMC_D13                   |
| PA9    | USART1_TX/TIM1_CH2  | PD9   | FSMC_D14                   |
| PA10   | USART1_RX/TIM1_CH3  | PD10  | FSMC_D15                   |
| PA11   | USART1_CTS/USBDMCAN_RX/TIM1_CH4                           | PD11  | FSMC_A16                   |
| PA12   | USART1_RTS/USBDMCAN_TX/TIM1_ETR                           | PD12  | FSMC_A17                   |
| PA13   | JTMS-SWDIO  | PD13  | FSMC_A18                   |
| PA14   | JTCK-SWCLK  | PD14  | FSMC_D0                    |
| PA15   | JTDO/SPI3_NSS/I2S3_WS                                     | PD15  | FSMC_D1                    |
| PB0    | ADC12_IN8/TIM8_CH3/TIM8_CH2N                              | PE0   | TIM4_ETR/FSMC_NBL0         |
| PB1    | ADC12_IN9/TIM8_CH4/TIM8_CH3N                              | PE1   | FSMC_NBL1                  |
| PB2    | BOOT1   | PE2   | TRACECK/FSMC_A23           |
| PB3    | JTDO/SPI3_SCK/I2S3_CK                                     | PE3   | TRACED0/FSMC_A19           |
| PB4    | JTFRST/SPI3_MISO  | PE4   | TRACED1/FSMC_A20           |
| PB5    | I2C1_SMBA/SPI3_MOSI/I2S3_SD                               | PE5   | TRACED2/FSMC_A21           |
| PB6    | I2C1_SCL/TIM4_CH1   | PE6   | TRACED3/FSMC_A22           |
| PB7    | I2C1_SDA/FSMC_NADV/TIM4_CH2                               | PE7   | FSMC_D4                    |
| PB8    | TIM4_CH3/SDIO_D4  | PE8   | FSMC_D5                    |
| PB9    | TIM4_CH4/SDIO_D5  | PE9   | FSMC_D6                    |
| PB10   | I2C2_SCL/USART3_TX  | PE10  | FSMC_D7                    |
| PB11   | I2C2_SDA/USART3_RX  | PE11  | FSMC_D8                    |
| PB12   | SPI2_NSS/I2S2_WS/I2C2_SMBA/USART3_CK/TIM1_BKIN            | PE12  | FSMC_D9                    |
| PB13   | SPI2_SCK/I2S2_CK/USART3_CTS/TIM1_CH1N                     | PE13  | FSMC_D10                   |
| PB14   | SPI2_MISO/TIM1_CH2N/USART3_RTS                            | PE14  | FSMC_D11                   |
| PB15   | SPI2_MOSI/I2S2_SD/TIM1_CH3N                               | PE15  | FSMC_D12                   |
| PC0    | ADC123_IN10   | PF0   | FSMC_A0                    |
| PC1    | ADC123_IN11   | PF1   | FSMC_A1                    |
| PC2    | ADC123_IN12   | PF2   | FSMC_A2                    |
| PC3    | ADC123_IN13   | PF3   | FSMC_A3                    |
| PC4    | ADC12_IN14  | PF4   | FSMC_A4                    |
| PC5    | ADC12_IN15  | PF5   | FSMC_A5                    |
| PC6    | I2S2_MCK/TIM8_CH1/SDIO_D6                                 | PF6   | ADC3_IN4/FSMC_NIORD        |
| PC7    | I2S2_MCK/TIM8_CH2/SDIO_D7                                 | PF7   | ADC3_IN5/FSMC_NNREG        |
| PC8    | TIM8_CH3/SDIO_D0  | PF8   | ADC3_IN6/FSMC_NIOWR        |
| PC9    | TIM8_CH4/SDIO_D1  | PF9   | ADC3_IN7/FSMC_CD           |
| PC10   | UART4_TX/SDIO_D2  | PF10  | ADC3_IN8/FSMC_INTR         |
| PC11   | UART4_RX/SDIO_D3  | PF11  | FSMC_NIOS16                |
| PC12   | UART5_TX/SDIO_CK  | PF12  | FSMC_A6                    |
| PC13   | TAMPER-RTC  | PF13  | FSMC_A7                    |
| PC14   | OSC32_IN  | PF14  | FSMC_A8                    |
| PC15   | OSC32_OUT   | PF15  | FSMC_A9                    |
| OSCIN  | OSC_IN  | PG0   | FSMC_A10                   |
| OSCOUT | OSC_OUT   | PG1   | FSMC_A11                   |
| BOOT0  | BOOT0   | PG2   | FSMC_A12                   |
| RESET  | NRST  | PG3   | FSMC_A13                   |
| VDD_1  | VDD_1   | PG4   | FSMC_A14                   |
| VDD_2  | VDD_2   | PG5   | FSMC_A15                   |
| VDD_3  | VDD_3   | PG6   | FSMC_INT2                  |
| VDD_4  | VDD_4   | PG7   | FSMC_INT3                  |
| VDD_5  | VDD_5   | PG8   | FSMC_NE2/FSMC_NCE3         |
| VDD_6  | VDD_6   | PG9   | FSMC_NCE4_1/FSMC_NE3       |
| VDD_7  | VDD_7   | PG10  | FSMC_NCE4_2                |
| VDD_8  | VDD_8   | PG11  | FSMC_NE4                   |
| VDD_9  | VDD_9   | PG12  | FSMC_A24                   |
| VDD_10 | VDD_10  | PG13  | FSMC_A25                   |
| VDD_11 | VDD_11  | PG14  | FSMC_A24                   |
| VSS_1  | VSS_1   | PG15  | FSMC_A25                   |
| VSS_2  | VSS_2   | NC    | 106                        |
| VSS_3  | VSS_3   | VBAT  | 6                          |
| VSS_4  | VSS_4   | VBAT  | 6                          |
| VSS_5  | VSS_5   | VREF+ | 32                         |
| VSS_6  | VSS_6   | VREF- | 31                         |
| VSS_7  | VSS_7   | VDDA  | 33                         |
| VSS_8  | VSS_8   | VSSA  | 30                         |
| VSS_9  | VSS_9   |       |                            |
| VSS_10 | VSS_10  |       |                            |
| VSS_11 | VSS_11  |       |                            |

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