01 MCU MCU_USART2_RTS MCU_USART2_CTS MCU_USART2_CTS MCU_USART2_CTS MCU_USART2_RX MCU_USART2_TX MCU_USART2_TX PAO-WKUP/USART2 CTS/ADC IN0/TIM2 CH1 ETR PC0/ADC IN10 | N11 | 10 | LE PA1/USART2_RTS/ADC_IN1/TIM2_CH2 PA2/USART2_TX/ADC_IN2/TIM2_CH3 PA3/USART2_RX/ADC_IN3/TIM2_CH4 PA3/USART2 RX/ADC IN3/TIM2_CH4 PA4/SPI1_NSS/USART2_CK/ADC_IN4 PA5/SPI1_SCK/ADC_IN5 PA6/SPI1_MISO/ADC_IN6/TIM3_CH1 PA7/SPI1_MOSI/ADC_IN6/TIM3_CH1 PA7/SPI1_MOSI/ADC_IN7/TIM3_CH2 PA8/USART1_CK/TIM1_CH1/MCO PA9/USART1_TX/TIM1_CH2 PA9/USART1_TX/TIM1_CH2 VCC 5V C1 | 22pF C0402 VCC_STM32 X1 32.768KHz. 9pF. 20ppm VCC_1.8V PA11/USART1_EXVIIM1_CH3 PA11/USART1_CTS/CANRX / USBDM (2)/TIM1_CH4 PA12 / USART1_RTS/CANTX / USBDP (2)/TIM1_ETR PA13/JTMS-SWDAT P(32.768KHz, 5pr , 2. CRYS-SMD-3215 CON1 PA14/JTCK-SWCLK PA15/JTDI GND HEADER 2X20-200 PC14-OSC32_IN GND C2 | 22pF C0402 DIP2x20-200 PC15-OSC32_OUT C3 | 20pF C0402 GND1 GND2 PB0/ADC IN8/TIM3 CH3 PD0/OSC IN 3 BLE_CTS1 5 BLE_TX1 9 BLE_RX1 PWR RST PB1/ADC_IN9/TIM3_CH4 PB2 / BOOT1 X2 8MHz-20pF-10PPM PD1/OSC_OUT PD2/TIM3 ETR TSX-3225 SPI-SCK PB3/JTDO BLE_RX1 BLE_RTS1 BLE_TX2 BLE_RX2 SCL SPI-MISO RESET-ST VCC_STM32 XIN GND2 PB5/I2C1_SMBAL PB6/I2C1_SCL/TIM4_CH1 PB7/I2C1_SDA/TIM4_CH2 SPI-SS SPI-MOSI NRST VCC_STM32 R1 GND1XOUT PCM-FS VDD_1 GND SDA SCL19 SDA21 PCM-CLK PCM-DO PCM-DI VDD_2 VDD_3 VDD_4 PB8/TIM4_CH3 VCC_STM32 PB9/TIM4_CH4 PB10/I2C2_SCL/USART3_TX VCC_STM32 R3 PB10/IZCZ_SCL/USAR13_1X PB11/IZC2_SDA /USART3_RX PB12/SPI2_NSS /IZC2_SMBAL/USART3_CK /TIM1_BKIN PB13/SPI2_SCK /USART3_CTS /TIM1_CH1N PB14/SPI2_MOSTIM1_CH3N PB15/SPI2_MOSTIM1_CH3N 23 25 27 VDDA F4_31G VCC_STM32 VSS 1 29 27 31 29 33 31 35 37 VCC2 USB5V GND39 VSS_2 VSS_3 GND VSS_4 VSSA C5 C6 C7 C8 VCC_1.8V VCC_5V VCC_STM32 LCND 104 104 104 104 USB5V GND39 104 GND GND STM32F401RE-T6/STM32F103RE-T6 C0402 C0402 C0402 C0402 C0402 使用stm32F系列时无法与Nitrogen兼容, 使用stm32L时可以兼容Nitrogen, stm32L152RET6为STM-nucleo开发板上用的芯片, 方便于软件开发 VCC STM32 VCC STM32 VCC STM32 VCC STM32 VRAT CON2 SIP1x3 SIP1x3 BOOT0 BOOT1 VCC_STM32 NC\HEADER 1x5-254 VCC_STM32 SIP1x5-254 R5 R6 D3 HSART1 TX 10K 10K LED-R LED-G LED0402 LED0402 LED-G LED0402 LED-G R0402 R0402 USART1 RX LED0402 🗾 GND GND GND R7 2K2 R8 2K2 R11 2K2 R0402 R0402 R0402 R0402 R0402 +1011 -117 - omego A 257144 augus - 4011 MCU Config GND for F0/F1 F4_31G R15 0R __ CAP,104 _____ for F4 for F1 R16 0R GND VCC_STM32 VCC_STM32 __ CAP,104 _____ for F4 K1 TS-019 TS-019-48x23 K2 TS-019 TS-019-48x23 R17 R18 10K R0402 10K R0402

D17

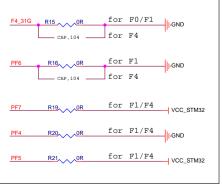
C10

GND

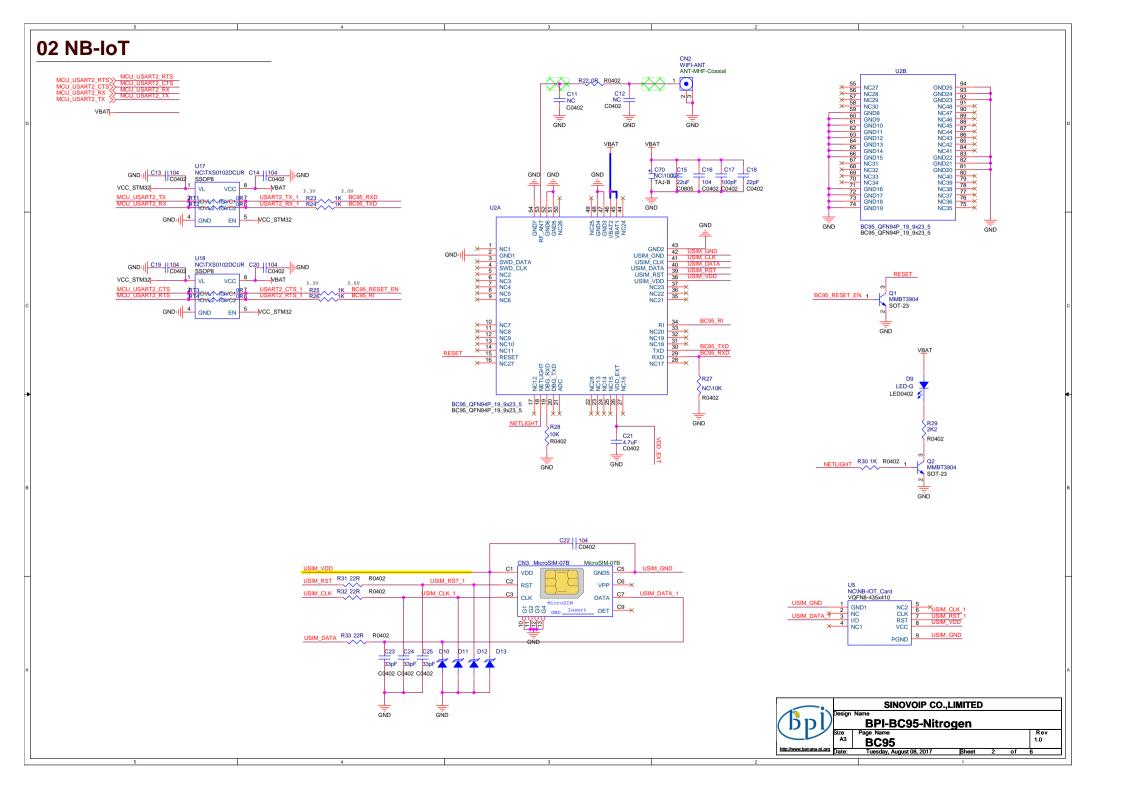
C0402

片								
备注: STM32L系列与STM32F系列一致								

C4 | 20pF | GND

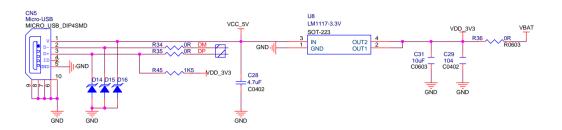


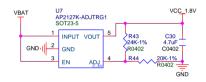
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03 Power













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