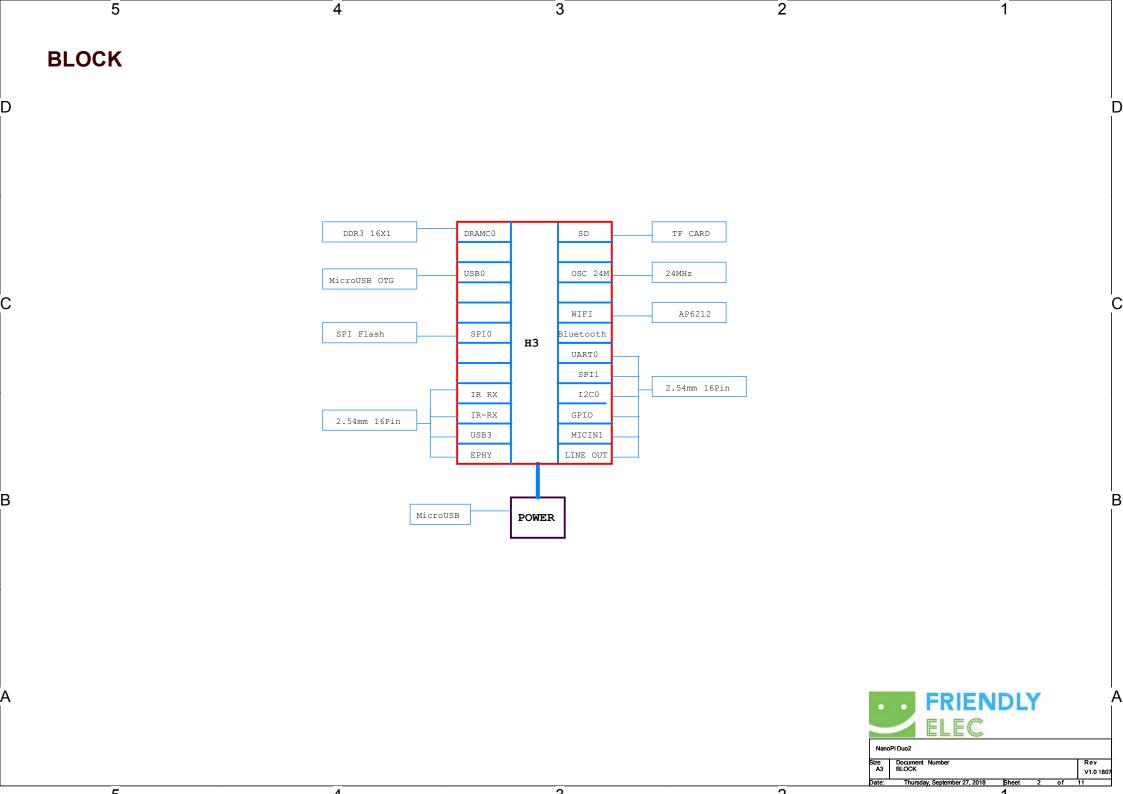
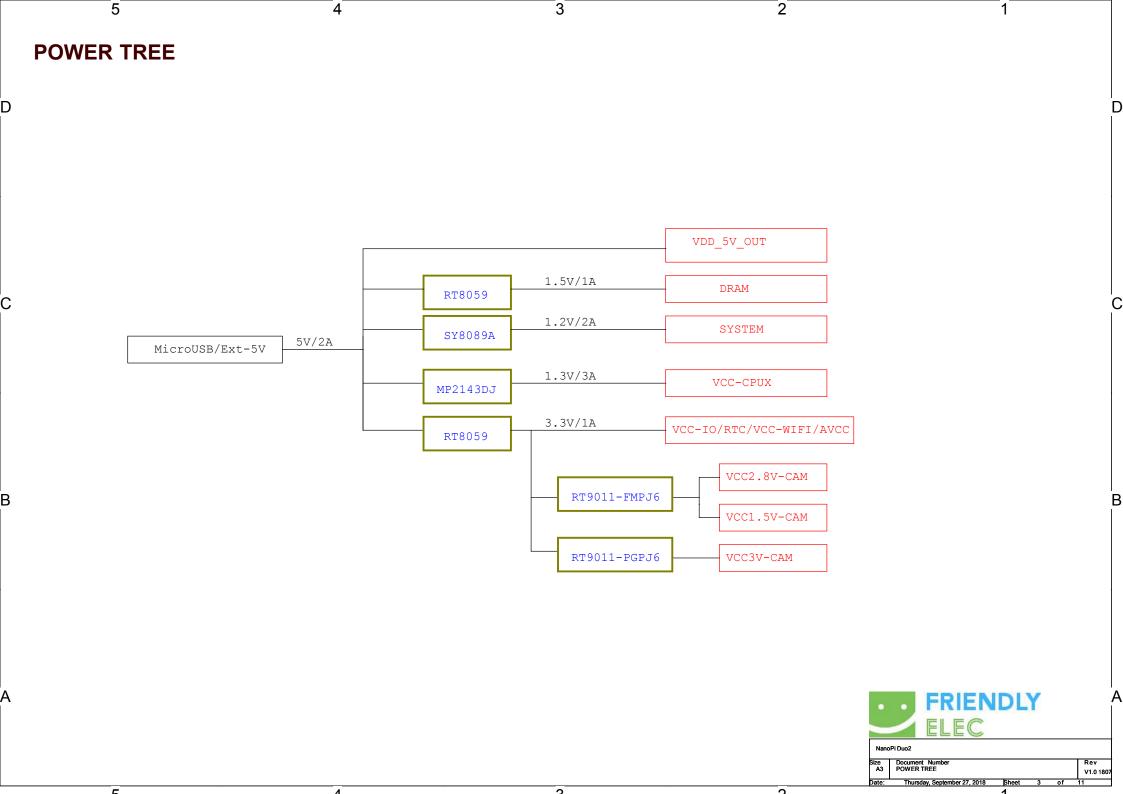
5 4 3 2 1

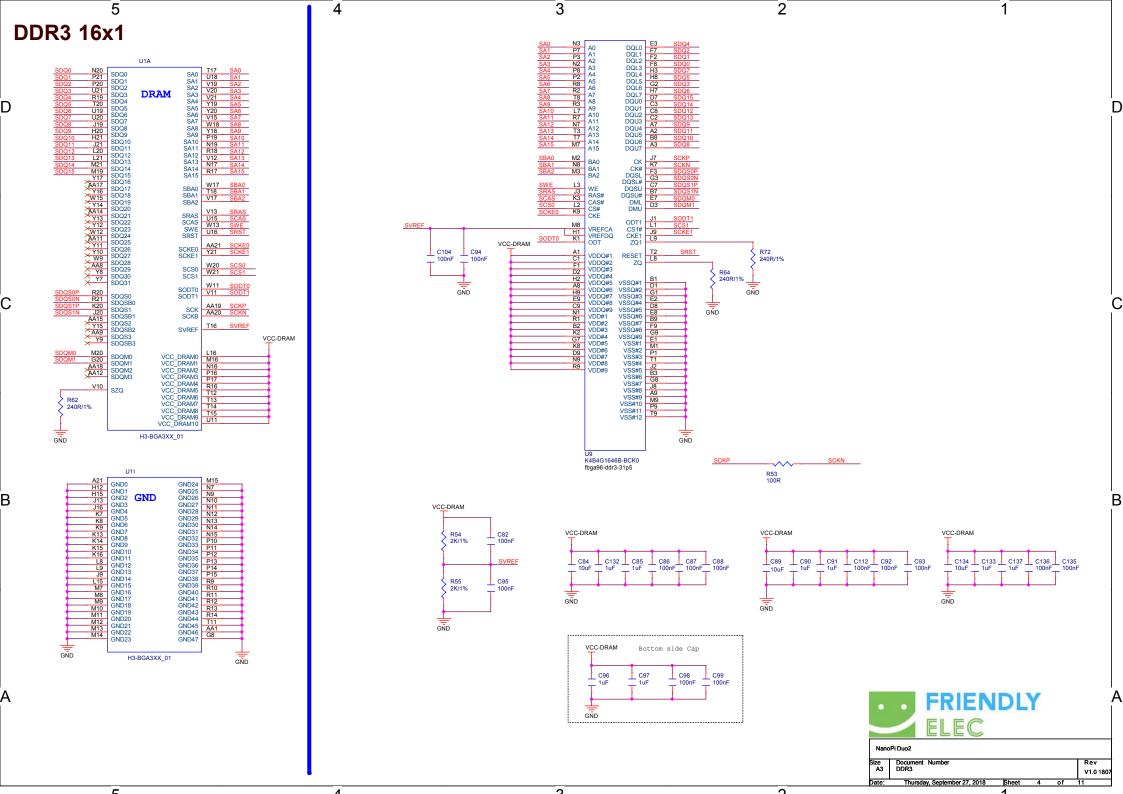
NanoPi Duo2

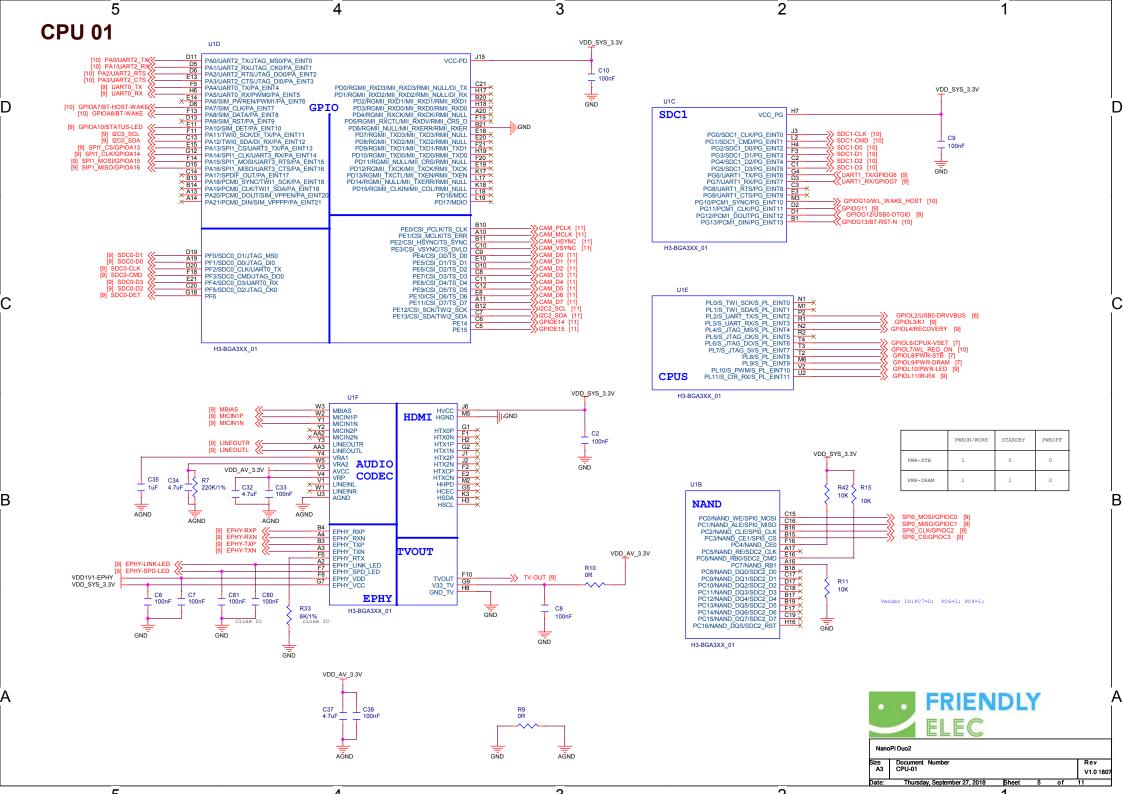
Revision: V1.0 1807 first release

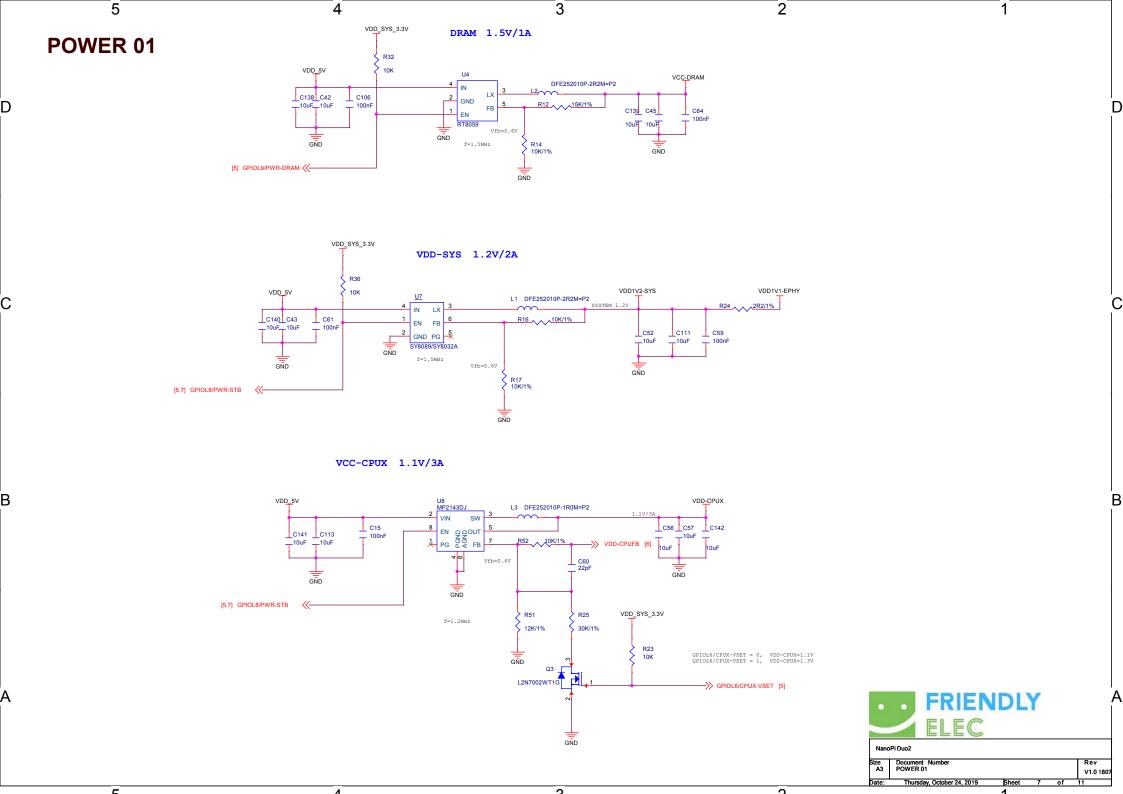


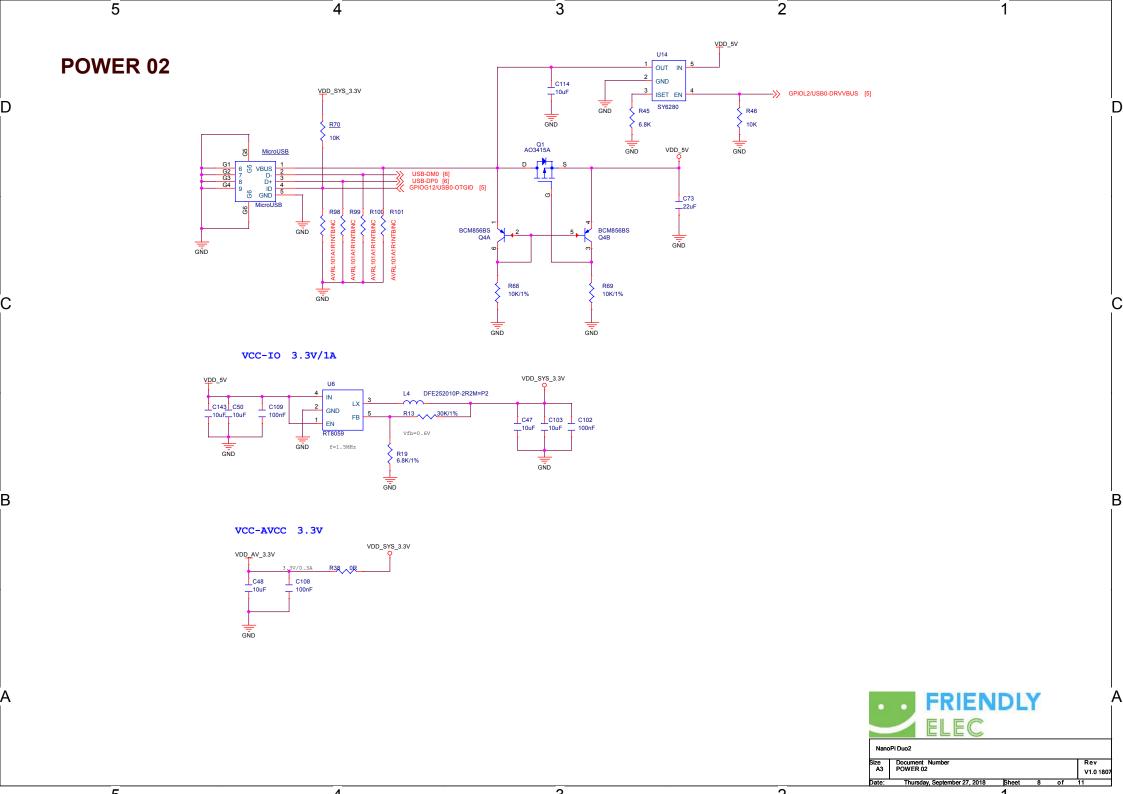




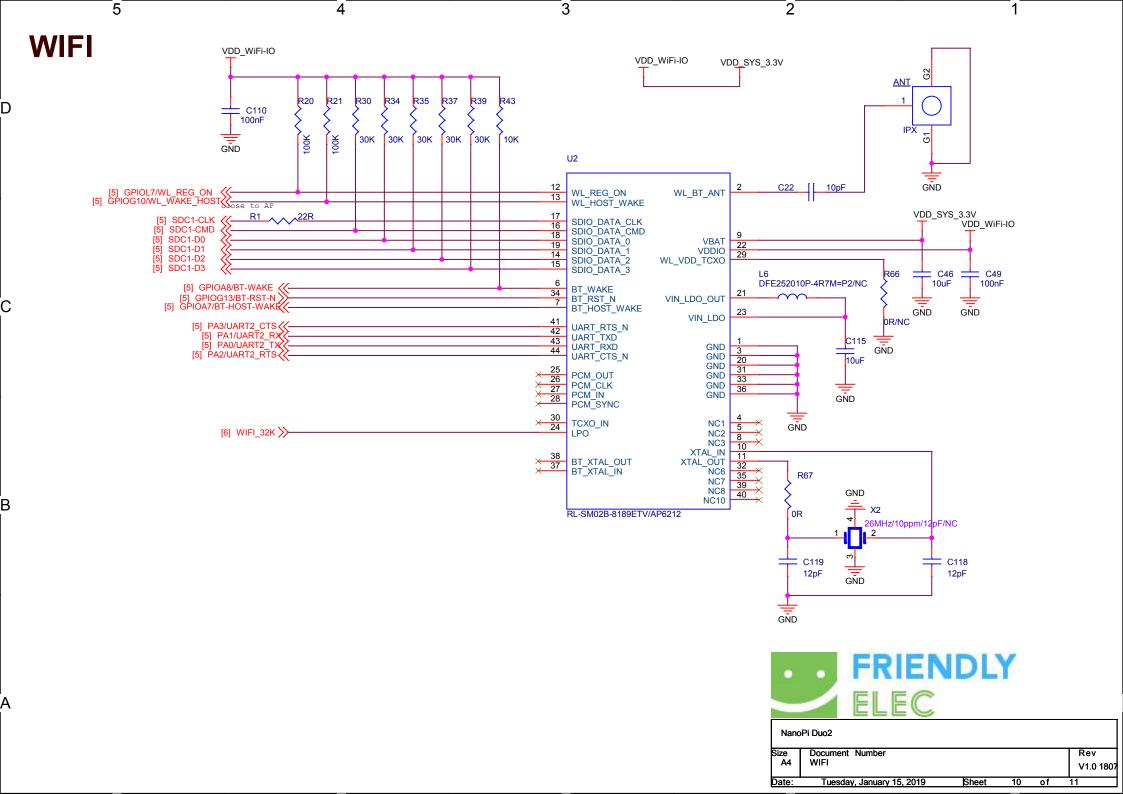








GPIO,LEDs,TF Card,SPI Flash VDD_SYS_3.3V 5V(in) 3V3(out) C77 R40 C16 GND DD_SYS_3.3V GND IR_RX GPIOG11 DM3 DP3 DM2 DP2 RDRD+ TDTD+ LED_LNK LED_ACT 2K GND 1uF SCLU SDAO SPI1_CS SPI1_SCK SPI1_MISO GPIOL11/IR-RX [5,9] 1.8nF GND [5] SPI1_CLK/GPIOA14 [5] SIP1_MISO/GPIOA16 [5] SIP1_MOS/GPIOA16 [5] SPI1_MOS/GPIOA76 [5] UART1_TX/GPIOG7 [5] UART1_TX/GPIOG8 USB-DM3 [6] USB-DP3 [6] USB-DM2 [6] USB-DP2 [6] —>>> UBOOT [6] SPI1 MOSI UART1_TX SSP-7 [6] EPHY-RXN [5] EPHY-RXP [5] EPHY-TXN [5] EPHY-TXN [5] EPHY-LINK-LED [5] EPHY-SPD-LED [5] EPHY-RXN EPHY-RXP ->> GPIOL4/RECOVERY [5] LINEOUT LINEOUT_ —>>> GPIOL11/IR-RX [5,9] R41 2K 2.54mm_Header 2.54mm_Header VDD_SYS_3.3V <u>K1</u> SW-4 R61 Close to jack VDD_SYS_3.3V ___ C105 VDD_SYS_3.3V C101 R31 150pF 150pF 10K U10 GND GND [5] SPI0_CS/GPIOC3 << CS# GND [5] SIP0_MISO/GPIOC1 <<-SO/SIO1 HOLD# 100nF 4.7uF VDD_SYS_3.3V O ->> SPI0_CLK/GPIOC2 [5] SCLK SPI0 MOSI/GPIOC0 [5] GND SI/SIO0 MX25L12835F/NC VDD_SYS_3.3V VDD_SYS_3.3V VDD_SYS_3.3V R56 10K LED1 ___C100 [5] GPIOL10/PWR-LED < R22 R29 ___10uF 47K [5] GPIOA10/STATUS-LED <<-+G LEDx2 GND MICROSD DAT2 CMD VDD 5 CLK 7 VSS DAT0 9 DAT1 R28 _____33R [5] SDC0-CLK [5] SDC0-D0 [5] SDC0-D1 [5] SDC0-DET FRIENDLY NanoPi Duo2 Document Number GPIO,LEDs,TF Card V1.0 1807



5 4 3 Camera VDD_1.5V VDD_2.8V <u>U11</u> VDDIO 1 VOUT2 VDD_SYS_3.3V VOUT1 C122 2 GND 3 EN2 EN1 CON1 RT9011-FMPJ6 1K 1K [5] I2C2_SDA <<-VDD_2.8V O [5] I2C2_SCL (5] GPI0E14 (5] CAM_VSYNC (5] GPI0E15 (5] CAM_HSYNC (5) GAM_HSYNC (5) GPIO 22R VDDIO [5] CAM_D6 <<-PCLK^[5] CAM_D5 <<-R119 22R [5] CAM_PCLK <<---[5] CAM_D4 (5] CAM_D0 (5] CAM_D3 (6] CAM_D1 (7) CAM_D1 (7) CAM_D2 VDD_SYS_3.3V VOUT2 VOUT1 VDDIO O-GND VIN 4.7uF EN1 EN2 C125 C124 4.7uF 100nF RT9011-PGPJ6 U3 1 IN A1 OUT Y1 VDDIO Vcc GND C128 10pF 3 IN A2 OUT Y2 NL27WZU04DF R111 5.1M C129 | 10pF **FRIENDLY** ELEC NanoPi Duo2 Size Document Number
A3 CAM

Date: Thursday, Septem Rev V1.0 1807