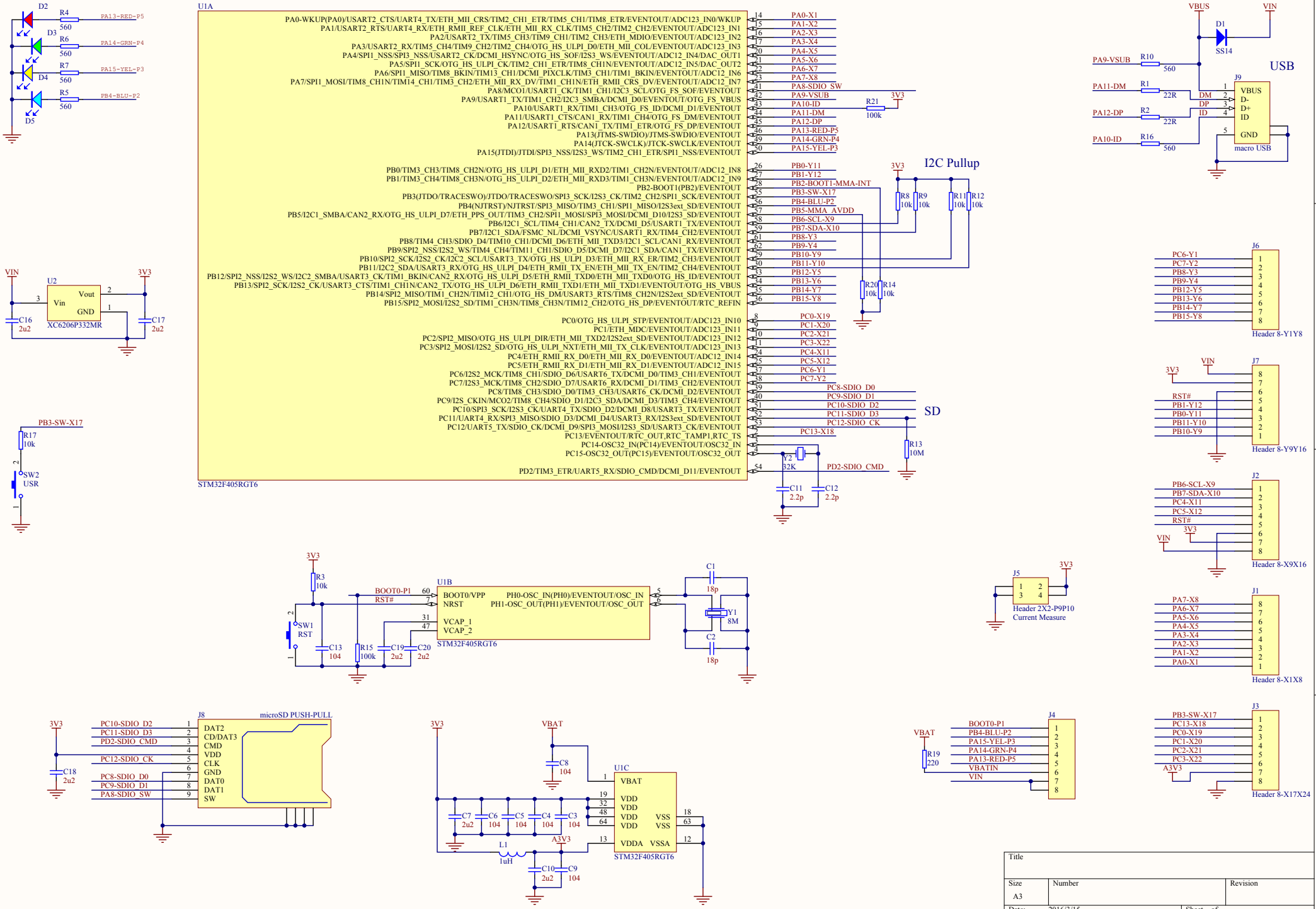
U1A
STM32F405RGT6
PA0-WKUP(PA0)/USART2_CTS/UART4_TX/ETH_MII_CRS/TIM2_CH1_ETR/TIM5_CH1/TIM8_ETR/EVENTOUT/ADC123_IN0/WKUP
PA1/USART2_RTS/UART4_RX/ETH_RMII_REF_CLK/ETH_MII_RX_CLK/TIM5_CH2/TIM2_CH2/EVENTOUT/ADC123_IN1
PA2/USART2_TX/TIM5_CH3/TIM9_CH1/TIM2_CH3/ETH_MDIO/EVENTOUT/ADC123_IN2
PA3/USART2_RX/TIM5_CH4/TIM9_CH2/TIM2_CH4/OTG_HS_ULPI_D0/ETH_MII_COL/EVENTOUT/ADC123_IN3
PA4/SPI1_NSS/SPI3_NSS/USART2_CK/DCMI_HSYNC/OTG_HS_SOF/I2S3_WS/EVENTOUT/ADC12_IN4/DAC_OUT1
PA5/SPI1_SCK/OTG_HS_ULPI_CK/TIM2_CH1_ETR/TIM8_CH1N/EVENTOUT/ADC12_IN5/DAC_OUT2
PA6/SPI1_MISO/TIM8_BKIN/TIM13_CH1/DCMI_PIXCLK/TIM3_CH1/TIM1_BKIN/EVENTOUT/ADC12_IN6
PA7/SPI1_MOSI/TIM8_CH1N/TIM14_CH1/TIM3_CH2/ETH_MII_RX_DV/TIM1_CH1N/ETH_RMII_CRS_DV/EVENTOUT/ADC12_IN7
PA8/MCO1/USART1_CK/TIM1_CH1/I2C3_SCL/OTG_FS_SOF/EVENTOUT
PA9/USART1_TX/TIM1_CH2/I2C3_SMBA/DCMI_D0/EVENTOUT/OTG_FS_VBUS
PA10/USART1_RX/TIM1_CH3/OTG_FS_ID/DCMI_D1/EVENTOUT
PA11/USART1_CTS/CAN1_RX/TIM1_CH4/OTG_FS_DM/EVENTOUT
PA12/USART1_RTS/CAN1_TX/TIM1_ETR/OTG_FS_DP/EVENTOUT
PA13(JTMS-SWDIO)/JTMS-SWDIO/EVENTOUT
PA14(JTCK-SWCLK)/JTCK-SWCLK/EVENTOUT
PA15(JTDI)/JTDI/SPI3_NSS/I2S3_WS/TIM2_CH1_ETR/SPI1_NSS/EVENTOUT
PB0/TIM3_CH3/TIM8_CH2N/OTG_HS_ULPI_D1/ETH_MII_RXD2/TIM1_CH2N/EVENTOUT/ADC12_IN8
PB1/TIM3_CH4/TIM8_CH3N/OTG_HS_ULPI_D2/ETH_MII_RXD3/TIM1_CH3N/EVENTOUT/ADC12_IN9
PB2-BOOT1(PB2)/EVENTOUT
PB3(JTDO/TRACESWO)/JTDO/TRACESWO/SPI3_SCK/I2S3_CK/TIM2_CH2/SPI1_SCK/EVENTOUT
PB4(NJTRST)/NJTRST/SPI3_MISO/TIM3_CH1/SPI1_MISO/I2S3ext_SD/EVENTOUT
PB5/I2C1_SMBA/CAN2_RX/OTG_HS_ULPI_D7/ETH_PPS_OUT/TIM3_CH2/SPI1_MOSI/SPI3_MOSI/DCMI_D10/I2S3_SD/EVENTOUT
PB6/I2C1_SCL/TIM4_CH1/CAN2_TX/DCMI_D5/USART1_TX/EVENTOUT
PB7/I2C1_SDA/FSMC_NL/DCMI_VSYNC/USART1_RX/TIM4_CH2/EVENTOUT
PB8/TIM4_CH3/SDIO_D4/TIM10_CH1/DCMI_D6/ETH_MII_TXD3/I2C1_SCL/CAN1_RX/EVENTOUT
PB9/SPI2_NSS/I2S2_WS/TIM4_CH4/TIM11_CH1/SDIO_D5/DCMI_D7/I2C1_SDA/CAN1_TX/EVENTOUT
PB10/SPI2_SCK/I2S2_CK/I2C2_SCL/USART3_TX/OTG_HS_ULPI_D3/ETH_MII_RX_ER/TIM2_CH3/EVENTOUT
PB11/I2C2_SDA/USART3_RX/OTG_HS_ULPI_D4/ETH_RMII_TX_EN/ETH_MII_TX_EN/TIM2_CH4/EVENTOUT
PB12/SPI2_NSS/I2S2_WS/I2C2_SMBA/USART3_CK/TIM1_BKIN/CAN2_RX/OTG_HS_ULPI_D5/ETH_RMII_TXD0/ETH_MII_TXD0/OTG_HS_ID/EVENTOUT
PB13/SPI2_SCK/I2S2_CK/USART3_CTS/TIM1_CH1N/CAN2_TX/OTG_HS_ULPI_D6/ETH_RMII_TXD1/ETH_MII_TXD1/EVENTOUT/OTG_HS_VBUS
PB14/SPI2_MISO/TIM1_CH2N/TIM12_CH1/OTG_HS_DM/USART3_RTS/TIM8_CH2N/I2S2ext_SD/EVENTOUT
PB15/SPI2_MOSI/I2S2_SD/TIM1_CH3N/TIM8_CH3N/TIM12_CH2/OTG_HS_DP/EVENTOUT/RTC_REFIN
PC0/OTG_HS_ULPI_STP/EVENTOUT/ADC123_IN10
PC1/ETH_MDC/EVENTOUT/ADC123_IN11
PC2/SPI2_MISO/OTG_HS_ULPI_DIR/ETH_MII_TXD2/I2S2ext_SD/EVENTOUT/ADC123_IN12
PC3/SPI2_MOSI/I2S2_SD/OTG_HS_ULPI_NXT/ETH_MII_TX_CLK/EVENTOUT/ADC123_IN13
PC4/ETH_RMII_RX_D0/ETH_MII_RX_D0/EVENTOUT/ADC12_IN14
PC5/ETH_RMII_RX_D1/ETH_MII_RX_D1/EVENTOUT/ADC12_IN15
PC6/I2S2_MCK/TIM8_CH1/SDIO_D6/USART6_TX/DCMI_D0/TIM3_CH1/EVENTOUT
PC7/I2S3_MCK/TIM8_CH2/SDIO_D7/USART6_RX/DCMI_D1/TIM3_CH2/EVENTOUT
PC8/TIM8_CH3/SDIO_D0/TIM3_CH3/USART6_CK/DCMI_D2/EVENTOUT
PC9/I2S_CKIN/MCO2/TIM8_CH4/SDIO_D1/I2C3_SDA/DCMI_D3/TIM3_CH4/EVENTOUT
PC10/SPI3_SCK/I2S3_CK/UART4_TX/SDIO_D2/DCMI_D8/USART3_TX/EVENTOUT
PC11/UART4_RX/SPI3_MISO/SDIO_D3/DCMI_D4/USART3_RX/I2S3ext_SD/EVENTOUT
PC12/UART5_TX/SDIO_CK/DCMI_D9/SPI3_MOSI/I2S3_SD/USART3_CK/EVENTOUT
PC13/EVENTOUT/RTC_OUT,RTC_TAMP1,RTC_TS
PC14-OSC32_IN(PC14)/EVENTOUT/OSC32_IN
PC15-OSC32_OUT(PC15)/EVENTOUT/OSC32_OUT
PD2/TIM3_ETR/UART5_RX/SDIO_CMD/DCMI_D11/EVENTOUT
PA0-X1
PA1-X2
PA2-X3
PA3-X4
PA4-X5
PA5-X6
PA6-X7
PA7-X8
PA8-SDIO_SW
PA9-VSUB
PA10-ID
PA11-DM
PA12-DP
PA13-RED-P5
PA14-GRN-P4
PA15-YEL-P3
PB0-Y11
PB1-Y12
PB2-BOOT1-MMA-INT
PB3-SW-X17
PB4-BLU-P2
PB5-MMA_AVDD
PB6-SCL-X9
PB7-SDA-X10
PB8-Y3
PB9-Y4
PB10-Y9
PB11-Y10
PB12-Y5
PB13-Y6
PB14-Y7
PB15-Y8
PC0-X19
PC1-X20
PC2-X21
PC3-X22
PC4-X11
PC5-X12
PC6-Y1
PC7-Y2
PC8-SDIO_D0
PC9-SDIO_D1
PC10-SDIO_D2
PC11-SDIO_D3
PC12-SDIO_CK
PC13-X18
PD2-SDIO_CMD
D2
D3
D4
D5
R4 560 PA13-RED-P5
R6 560 PA14-GRN-P4
R7 560 PA15-YEL-P3
R5 560 PB4-BLU-P2
R21 100k 3V3
I2C Pullup
R8 10k
R9 10k
R11 10k
R12 10k
R20 10k
R14 10k
SD
R13 10M
Y2 32K
C11 2.2p
C12 2.2p
USB
VBUS
VIN
D1 SS14
PA9-VSUB R10 560
PA11-DM R1 22R
PA12-DP R2 22R
PA10-ID R16 560
J9
VBUS
D-
D+
ID
GND
macro USB
U2
XC6206P332MR
Vin
Vout
GND
C16 2u2
C17 2u2
3V3
PB3-SW-X17
R17 10k
SW2 USR
J6
PC6-Y1
PC7-Y2
PB8-Y3
PB9-Y4
PB12-Y5
PB13-Y6
PB14-Y7
PB15-Y8
Header 8-Y1Y8
J7
RST#
PB1-Y12
PB0-Y11
PB11-Y10
PB10-Y9
Header 8-Y9Y16
J2
PB6-SCL-X9
PB7-SDA-X10
PC4-X11
PC5-X12
RST#
Header 8-X9X16
J1
PA7-X8
PA6-X7
PA5-X6
PA4-X5
PA3-X4
PA2-X3
PA1-X2
PA0-X1
Header 8-X1X8
R3 10k
SW1 RST
C13 104
R15 100k
C19 2u2
C20 2u2
BOOT0-P1
RST#
U1B
STM32F405RGT6
BOOT0/VPP
NRST
VCAP_1
VCAP_2
PH0-OSC_IN(PH0)/EVENTOUT/OSC_IN
PH1-OSC_OUT(PH1)/EVENTOUT/OSC_OUT
C1 18p
Y1 8M
C2 18p
J5
Header 2X2-P9P10
Current Measure
J8
microSD PUSH-PULL
DAT2
CD/DAT3
CMD
VDD
CLK
GND
DAT0
DAT1
SW
PC10-SDIO_D2
PC11-SDIO_D3
PD2-SDIO_CMD
PC12-SDIO_CK
PC8-SDIO_D0
PC9-SDIO_D1
PA8-SDIO_SW
C18 2u2
VBAT
C8 104
U1C
STM32F405RGT6
VBAT
VDD
VDD
VDD
VDD
VDDA
VSS
VSS
VSSA
C7 2u2
C6 104
C5 104
C4 104
C3 104
L1 1uH
A3V3
C10 2u2
C9 104
J4
BOOT0-P1
PB4-BLU-P2
PA15-YEL-P3
PA14-GRN-P4
PA13-RED-P5
VBATIN
VIN
R19 220
J3
PB3-SW-X17
PC13-X18
PC0-X19
PC1-X20
PC2-X21
PC3-X22
A3V3
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Size
A3
Number
Revision
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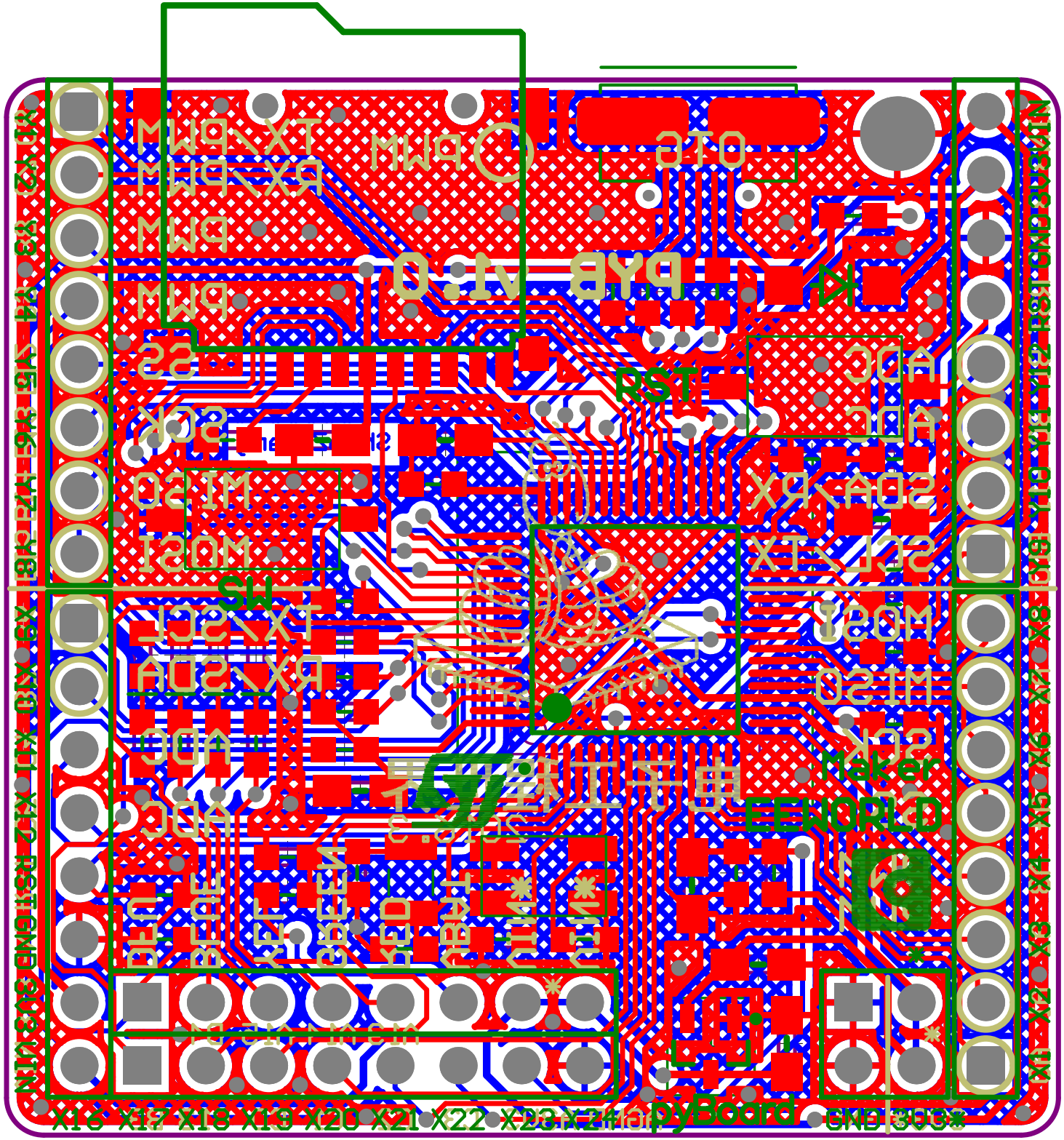
pyBoard
RST
SW
EEWORLD
Maker