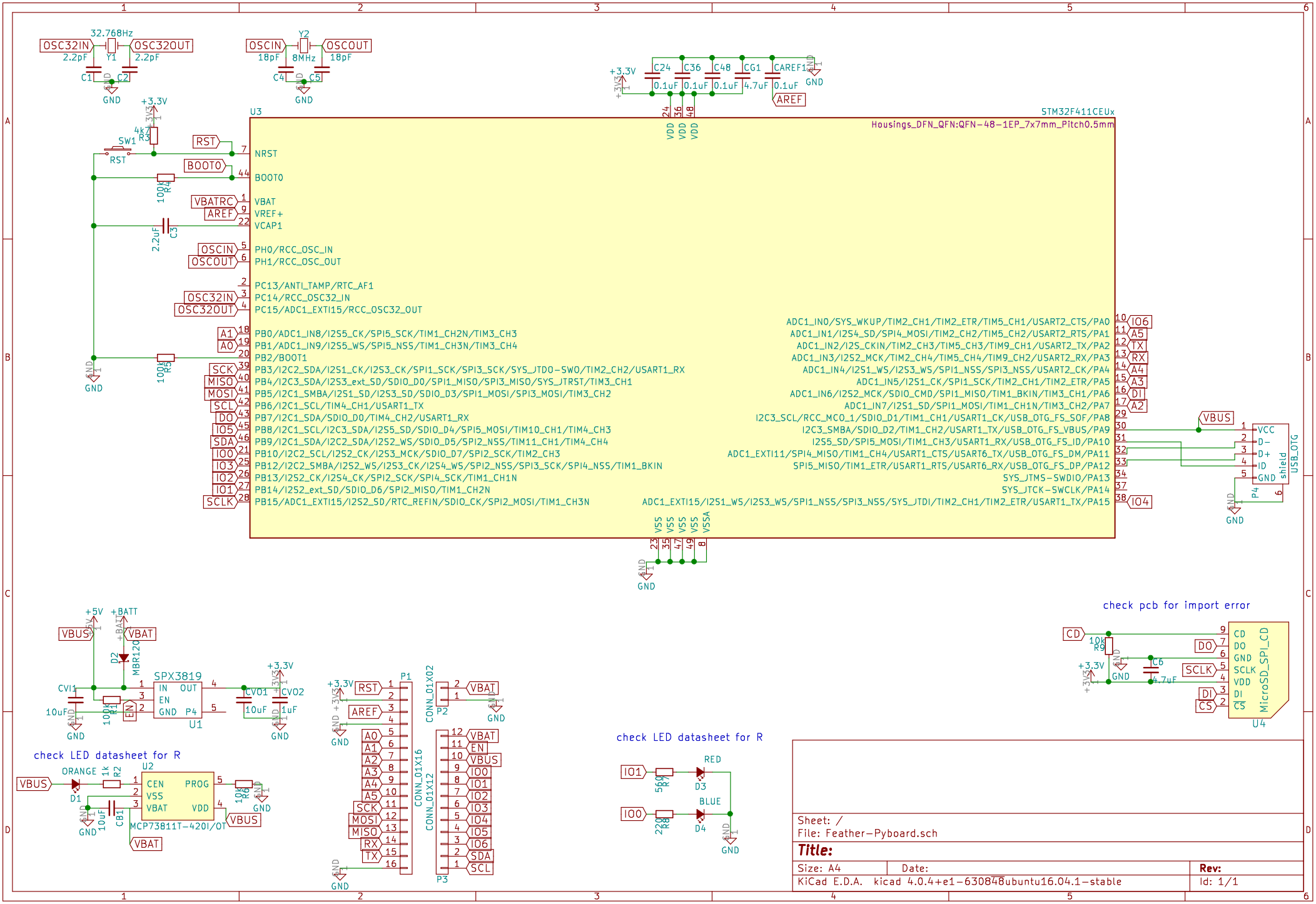
32.768Hz
OSC32IN
OSC32OUT
2.2pF
Y1
2.2pF
C1
C2
GND
OSCIN
Y2
OSCOUT
18pF
8MHz
18pF
C4
C5
+3.3V
C24
C36
C48
CG1
CAREF1
0.1uF
0.1uF
0.1uF
4.7uF
0.1uF
AREF
U3
STM32F411CEUx
Housings_DFN_QFN:QFN-48-1EP_7x7mm_Pitch0.5mm
SW1
RST
4k7
R3
BOOT0
100k
R4
VBATRC
AREF
2.2uF
C3
OSCIN
OSCOUT
OSC32IN
OSC32OUT
A1
A0
100k
R5
SCK
MISO
MOSI
SCL
DO
IO5
SDA
IO0
IO3
IO2
IO1
SCLK
NRST
BOOT0
VBAT
VREF+
VCAP1
PH0/RCC_OSC_IN
PH1/RCC_OSC_OUT
PC13/ANTI_TAMP/RTC_AF1
PC14/RCC_OSC32_IN
PC15/ADC1_EXTI15/RCC_OSC32_OUT
PB0/ADC1_IN8/I2S5_CK/SPI5_SCK/TIM1_CH2N/TIM3_CH3
PB1/ADC1_IN9/I2S5_WS/SPI5_NSS/TIM1_CH3N/TIM3_CH4
PB2/BOOT1
PB3/I2C2_SDA/I2S1_CK/I2S3_CK/SPI1_SCK/SPI3_SCK/SYS_JTDO-SWO/TIM2_CH2/USART1_RX
PB4/I2C3_SDA/I2S3_ext_SD/SDIO_D0/SPI1_MISO/SPI3_MISO/SYS_JTRST/TIM3_CH1
PB5/I2C1_SMBA/I2S1_SD/I2S3_SD/SDIO_D3/SPI1_MOSI/SPI3_MOSI/TIM3_CH2
PB6/I2C1_SCL/TIM4_CH1/USART1_TX
PB7/I2C1_SDA/SDIO_D0/TIM4_CH2/USART1_RX
PB8/I2C1_SCL/I2C3_SDA/I2S5_SD/SDIO_D4/SPI5_MOSI/TIM10_CH1/TIM4_CH3
PB9/I2C1_SDA/I2C2_SDA/I2S2_WS/SDIO_D5/SPI2_NSS/TIM11_CH1/TIM4_CH4
PB10/I2C2_SCL/I2S2_CK/I2S3_MCK/SDIO_D7/SPI2_SCK/TIM2_CH3
PB12/I2C2_SMBA/I2S2_WS/I2S3_CK/I2S4_WS/SPI2_NSS/SPI3_SCK/SPI4_NSS/TIM1_BKIN
PB13/I2S2_CK/I2S4_CK/SPI2_SCK/SPI4_SCK/TIM1_CH1N
PB14/I2S2_ext_SD/SDIO_D6/SPI2_MISO/TIM1_CH2N
PB15/ADC1_EXTI15/I2S2_SD/RTC_REFIN/SDIO_CK/SPI2_MOSI/TIM1_CH3N
ADC1_IN0/SYS_WKUP/TIM2_CH1/TIM2_ETR/TIM5_CH1/USART2_CTS/PA0
ADC1_IN1/I2S4_SD/SPI4_MOSI/TIM2_CH2/TIM5_CH2/USART2_RTS/PA1
ADC1_IN2/I2S_CKIN/TIM2_CH3/TIM5_CH3/TIM9_CH1/USART2_TX/PA2
ADC1_IN3/I2S2_MCK/TIM2_CH4/TIM5_CH4/TIM9_CH2/USART2_RX/PA3
ADC1_IN4/I2S1_WS/I2S3_WS/SPI1_NSS/SPI3_NSS/USART2_CK/PA4
ADC1_IN5/I2S1_CK/SPI1_SCK/TIM2_CH1/TIM2_ETR/PA5
ADC1_IN6/I2S2_MCK/SDIO_CMD/SPI1_MISO/TIM1_BKIN/TIM3_CH1/PA6
ADC1_IN7/I2S1_SD/SPI1_MOSI/TIM1_CH1N/TIM3_CH2/PA7
I2C3_SCL/RCC_MCO_1/SDIO_D1/TIM1_CH1/USART1_CK/USB_OTG_FS_SOF/PA8
I2C3_SMBA/SDIO_D2/TIM1_CH2/USART1_TX/USB_OTG_FS_VBUS/PA9
I2S5_SD/SPI5_MOSI/TIM1_CH3/USART1_RX/USB_OTG_FS_ID/PA10
ADC1_EXTI11/SPI4_MISO/TIM1_CH4/USART1_CTS/USART6_TX/USB_OTG_FS_DM/PA11
SPI5_MISO/TIM1_ETR/USART1_RTS/USART6_RX/USB_OTG_FS_DP/PA12
SYS_JTMS-SWDIO/PA13
SYS_JTCK-SWCLK/PA14
ADC1_EXTI15/I2S1_WS/I2S3_WS/SPI1_NSS/SPI3_NSS/SYS_JTDI/TIM2_CH1/TIM2_ETR/USART1_TX/PA15
IO6
A5
TX
RX
A4
A3
DI
A2
IO4
VBUS
VCC
D-
D+
ID
GND
shield
USB_OTG
P4
+5V
+BATT
VBUS
VBAT
D2
MBR120
CVI1
10uF
100k
R1
EN
SPX3819
IN
OUT
EN
GND
P4
U1
CVO1
CVO2
10uF
1uF
check LED datasheet for R
ORANGE
1k
R2
D1
U2
CEN
VSS
VBAT
PROG
VDD
MCP73811T-420I/OT
10uF
CB1
10k
R6
P1
CONN_01X02
P2
CONN_01X16
CONN_01X12
P3
check LED datasheet for R
IO1
IO0
560
R7
220
R8
RED
D3
BLUE
D4
check pcb for import error
CD
10k
R9
C6
4.7uF
DO
SCLK
DI
CS
MicroSD_SPI_CD
U4
Sheet: /
File: Feather-Pyboard.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 4.0.4+e1-630848ubuntu16.04.1-stable
Id: 1/1