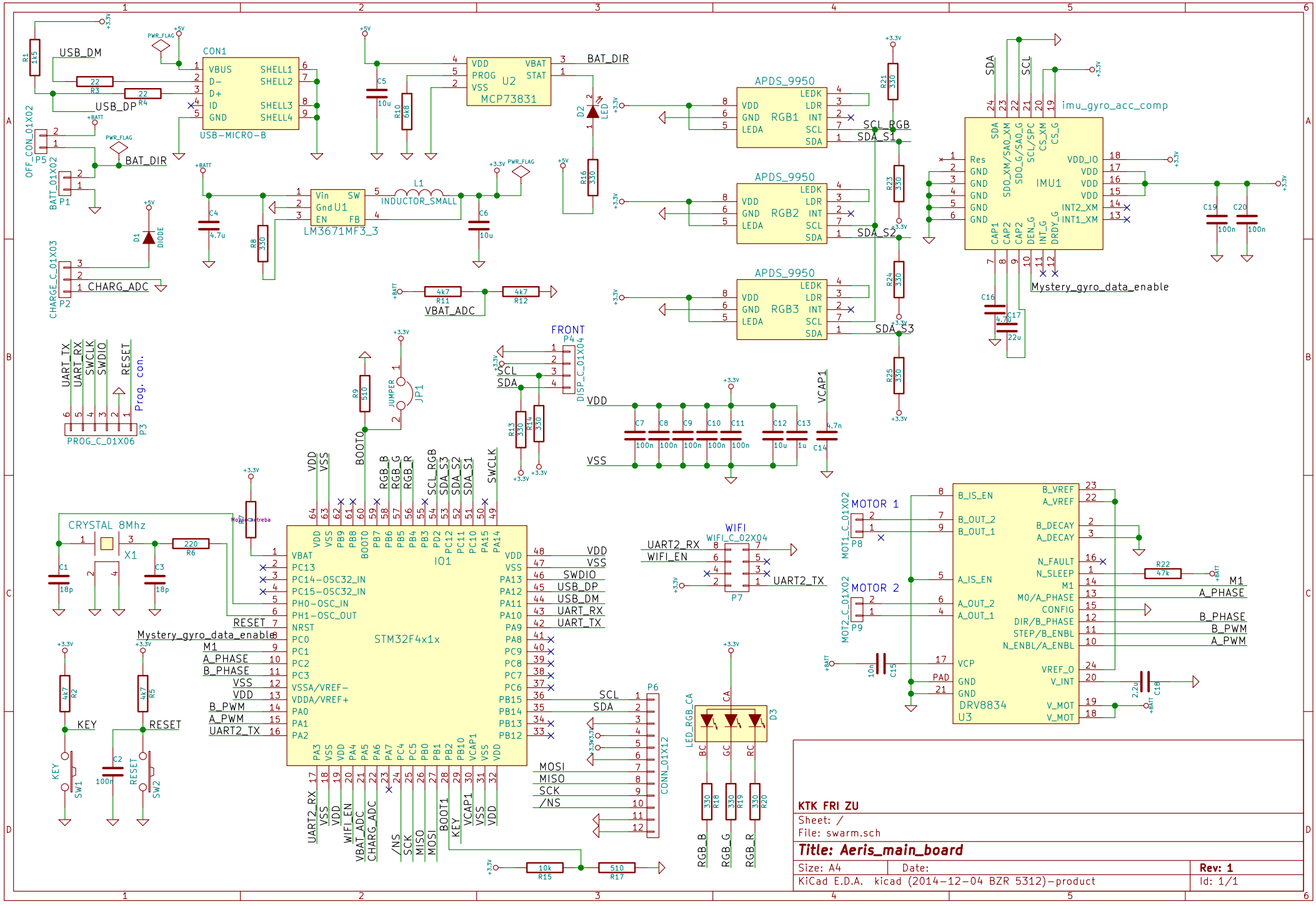
CON1
USB-MICRO-B
VBUS
D-
D+
ID
GND
SHELL1
SHELL2
SHELL3
SHELL4
USB_DM
USB_DP
U2
MCP73831
VDD
PROG
VSS
VBAT
STAT
BAT_DIR
LM3671MF3_3
U1
Vin
Gnd
EN
SW
FB
L1
INDUCTOR_SMALL
VBAT_ADC
APDS_9950
RGB1
RGB2
RGB3
LEDA
INT
SCL
SDA
SCL_RGB
SDA_S1
SDA_S2
SDA_S3
imu_gyro_acc_comp
IMU1
Mystery_gyro_data_enable
CHARG_ADC
FRONT
P4
DISP_C_01X04
PROG_C_01X06
P3
Prog. con.
UART_TX
UART_RX
SWCLK
SWDIO
RESET
JUMPER
JP1
BOOT0
CRYSTAL 8Mhz
X1
STM32F4x1x
IO1
VBAT
PC13
PC14-OSC32_IN
PC15-OSC32_IN
PH0-OSC_IN
PH1-OSC_OUT
NRST
PC0
PC1
PC2
PC3
VSSA/VREF-
VDDA/VREF+
PA0
PA1
PA2
PA8
PC9
PC8
PC7
PC6
PB15
PB14
PB13
PB12
PA13
PA12
PA11
PA10
PA9
PA14
PA15
PC10
PC11
PC12
PD2
PB3
PB4
PB5
PB6
PB7
PB8
PB9
PA3
PA4
PA5
PA6
PA7
PC4
PC5
PB0
PB1
PB2
PB10
VCAP1
WIFI
WIFI_C_02X04
P7
UART2_RX
UART2_TX
WIFI_EN
MOTOR 1
MOTOR 2
MOT1_C_01X02
MOT2_C_01X02
P8
P9
DRV8834
U3
B_IS_EN
B_OUT_2
B_OUT_1
A_IS_EN
A_OUT_2
A_OUT_1
VCP
GND
PAD
B_VREF
A_VREF
B_DECAY
A_DECAY
N_FAULT
N_SLEEP
M1
M0/A_PHASE
CONFIG
DIR/B_PHASE
STEP/B_ENBL
N_ENBL/A_ENBL
VREF_0
V_INT
V_MOT
A_PHASE
B_PHASE
B_PWM
A_PWM
P6
CONN_01X12
MOSI
MISO
SCK
/NS
LED_RGB_CA
D3
RGB_B
RGB_G
RGB_R
KEY
RESET
SW1
SW2
OFF_CON_01X02
P5
BATT_01X02
P1
CHARGE_C_01X03
P2
D1
DIODE
D2
LED
KTK FRI ZU
Sheet: /
File: swarm.sch
Title: Aeris_main_board
Size: A4
Date:
Rev: 1
KiCad E.D.A. kicad (2014-12-04 BZR 5312)-product
Id: 1/1