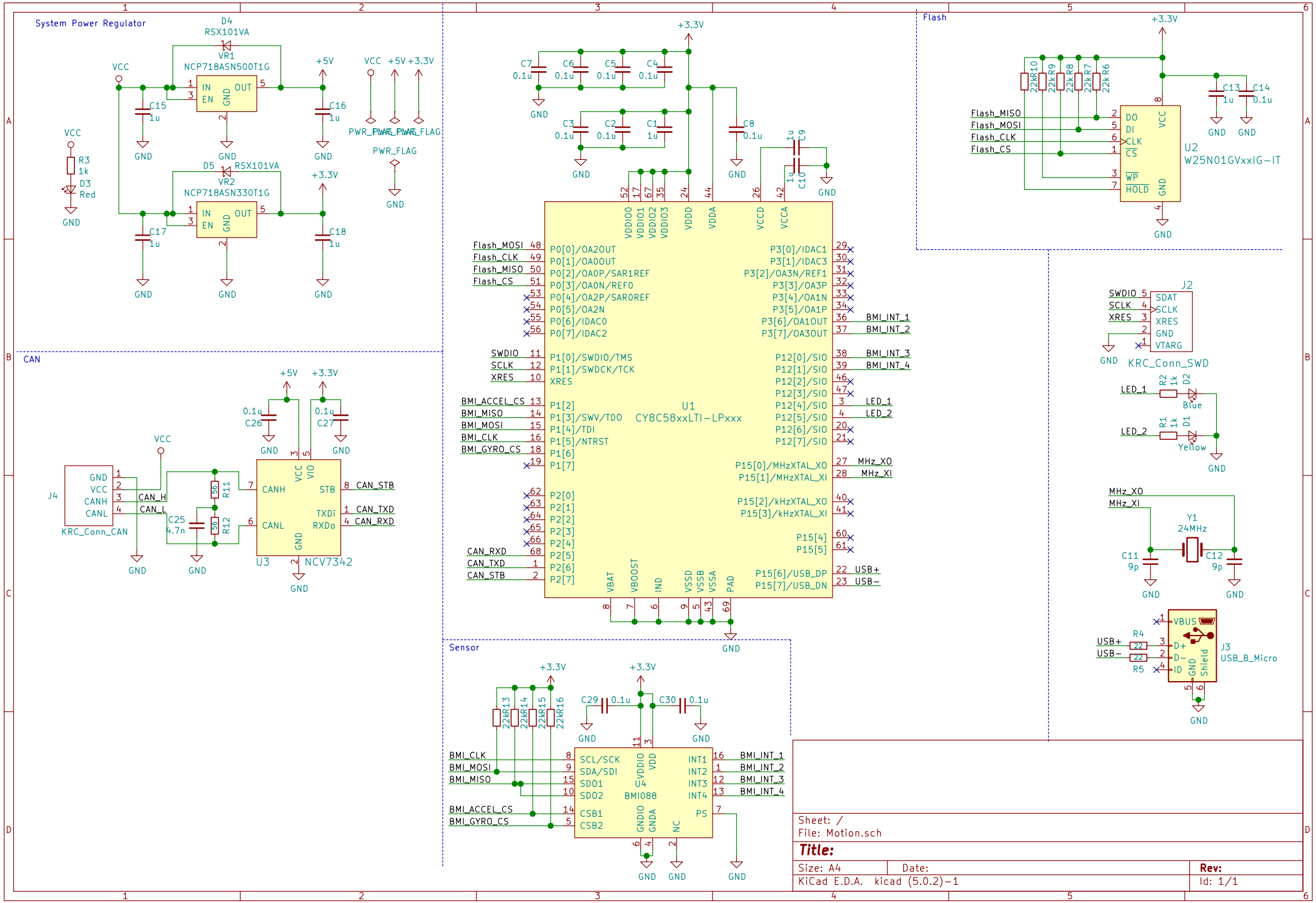
System Power Regulator
D4
RSX101VA
VR1
NCP718ASN500T1G
VCC
+5V
C15
1u
C16
1u
GND
VCC +5V +3.3V
PWR_FLAG
R3
1k
D3
Red
D5
RSX101VA
VR2
NCP718ASN330T1G
+3.3V
C17
1u
C18
1u
CAN
+5V +3.3V
0.1u
C26
C27
J4
KRC_Conn_CAN
CAN_H
CAN_L
C25
4.7n
R11
R12
56
U3
NCV7342
CANH
CANL
STB
TXDi
RXDo
CAN_STB
CAN_TXD
CAN_RXD
+3.3V
C7 C6 C5 C4
0.1u
C3 C2 C1
1u
C8
0.1u
C9
C10
U1
CY8C58xxLTI-LPxxx
Flash_MOSI
Flash_CLK
Flash_MISO
Flash_CS
SWDIO
SCLK
XRES
BMI_ACCEL_CS
BMI_MISO
BMI_MOSI
BMI_CLK
BMI_GYRO_CS
BMI_INT_1
BMI_INT_2
BMI_INT_3
BMI_INT_4
LED_1
LED_2
MHz_XO
MHz_XI
USB+
USB-
Sensor
22kR13
22kR14
22kR15
22kR16
C29 0.1u
C30 0.1u
U4
BMI088
SCL/SCK
SDA/SDI
SDO1
SDO2
CSB1
CSB2
INT1
INT2
INT3
INT4
PS
Flash
22kR10
22kR9
22kR8
22kR7
22kR6
C13 1u
C14 0.1u
U2
W25N01GVxxIG-IT
DO
DI
CLK
CS
WP
HOLD
VCC
GND
J2
KRC_Conn_SWD
SDAT
SCLK
XRES
GND
VTARG
R2 1k
D2
Blue
R1 1k
D1
Yellow
Y1
24MHz
C11 9p
C12 9p
R4 22
R5 22
J3
USB_B_Micro
VBUS
D+
D-
ID
GND
Shield
Sheet: /
File: Motion.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (5.0.2)-1
Id: 1/1