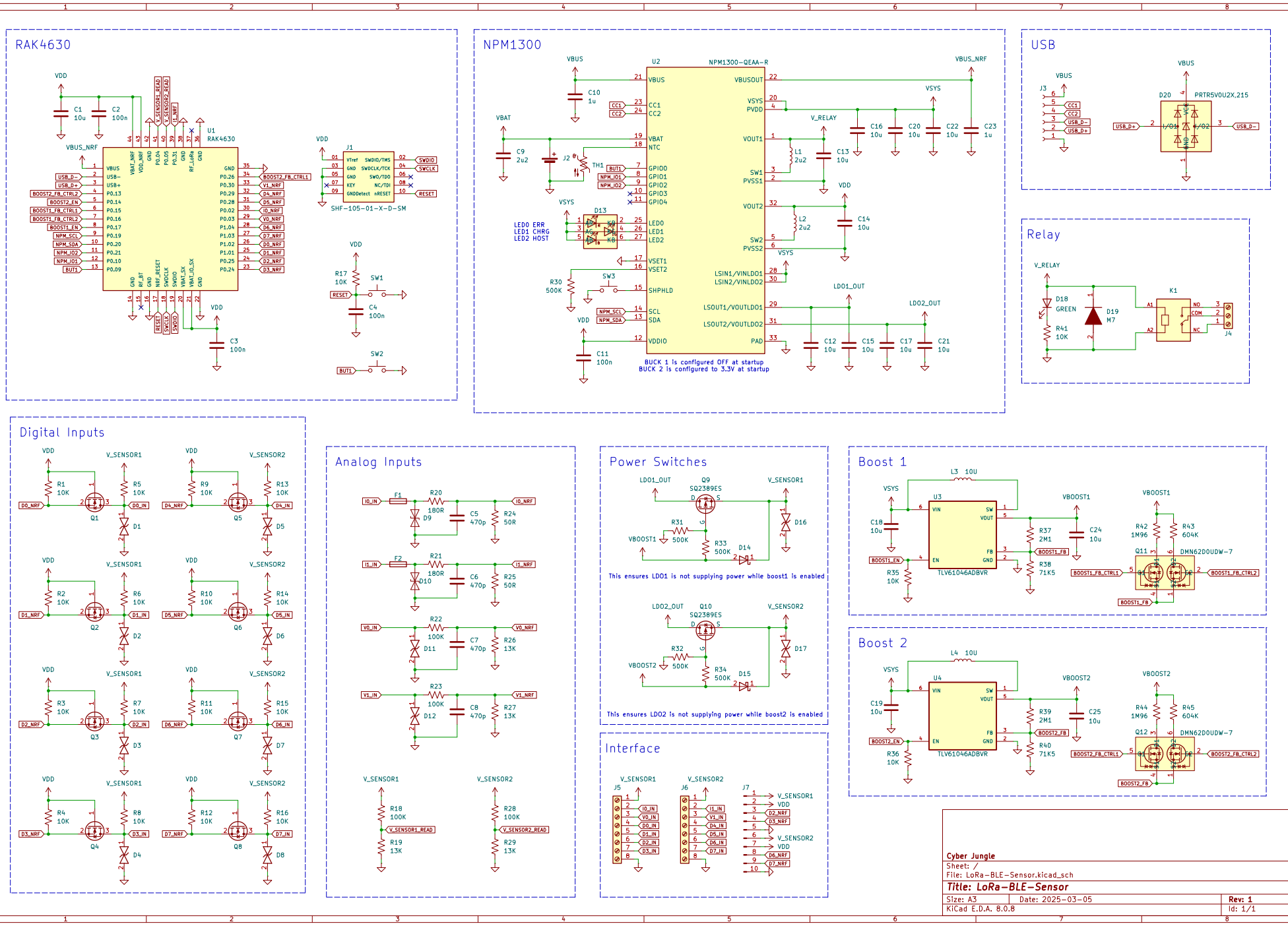
RAK4630
NPM1300
USB
Relay
Digital Inputs
Analog Inputs
Power Switches
Boost 1
Boost 2
Interface
U1
RAK4630
U2
NPM1300-QEAA-R
J1
SHF-105-01-X-D-SM
J3
D20
PRTR5V0U2X,215
D18
GREEN
D19
M7
K1
J4
U3
U4
TLV61046ADBVR
Q11
Q12
DMN62D0UDW-7
Q9
Q10
SQ2389ES
D13
LED0 ERR
LED1 CHRG
LED2 HOST
BUCK 1 is configured OFF at startup
BUCK 2 is configured to 3.3V at startup
This ensures LDO1 is not supplying power while boost1 is enabled
This ensures LDO2 is not supplying power while boost2 is enabled
J5
J6
J7
Cyber Jungle
Sheet: /
File: LoRa-BLE-Sensor.kicad_sch
Title: LoRa-BLE-Sensor
Size: A3
Date: 2025-03-05
Rev: 1
KiCad E.D.A. 8.0.8
Id: 1/1