Sheet: Microcontroller

File: Microcontroller.sch

Sheet: Sensorik

File: Sensorik.sch

Sheet: Spannungsversorgung

File: Spannungsversorgung.sch

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File: Schaltplan_embedded.sch

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Size: A4	Date:	**Rev:**
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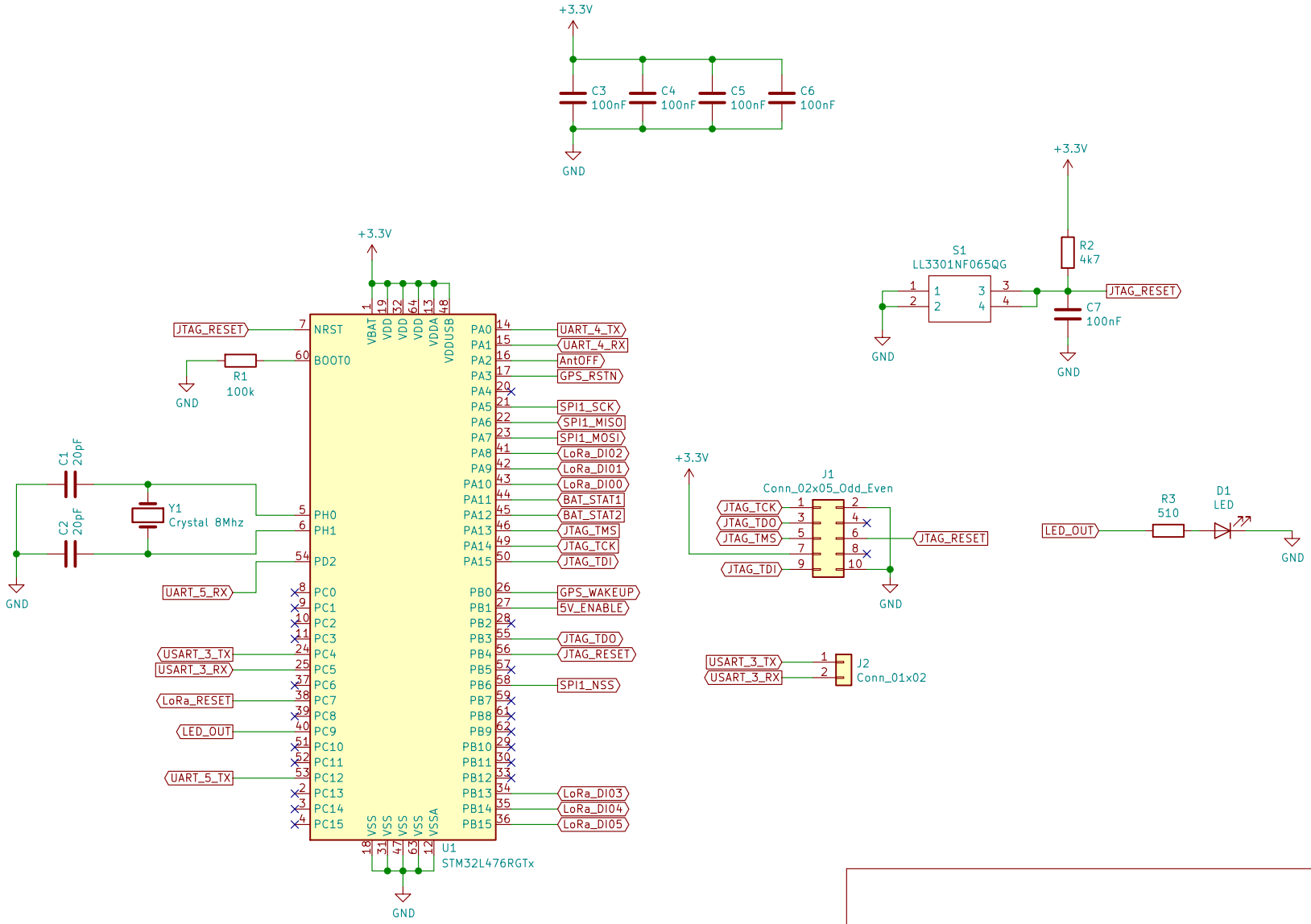

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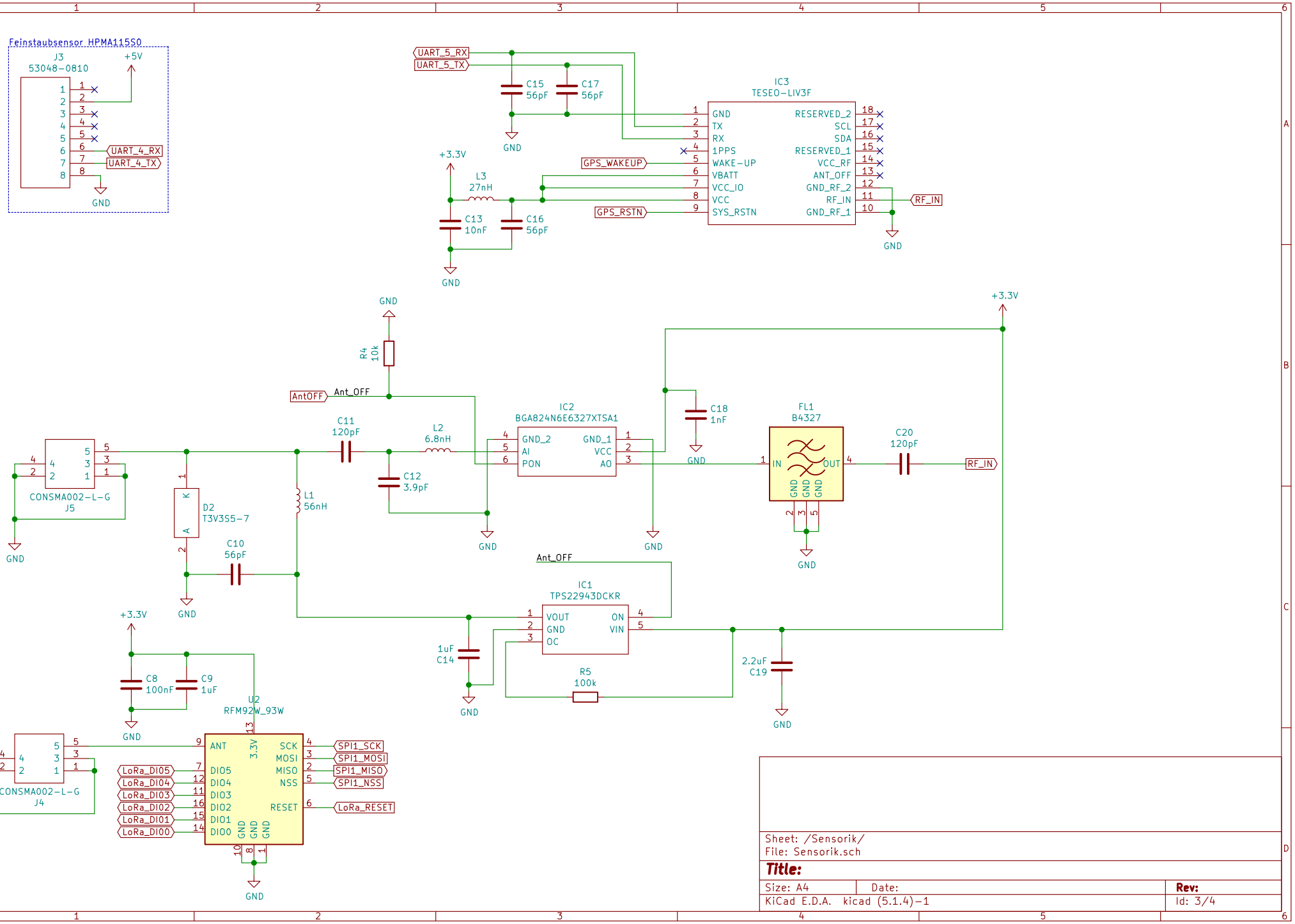
Feinstaubsensor HPMA115S0
J3
53048-0810
+5V
UART_4_RX
UART_4_TX
GND
UART_5_RX
UART_5_TX
C15
56pF
C17
56pF
IC3
TESEO-LIV3F
GND
TX
RX
1PPS
WAKE-UP
VBATT
VCC_IO
VCC
SYS_RSTN
RESERVED_2
SCL
SDA
RESERVED_1
VCC_RF
ANT_OFF
GND_RF_2
RF_IN
GND_RF_1
GPS_WAKEUP
GPS_RSTN
RF_IN
+3.3V
L3
27nH
C13
10nF
C16
56pF
GND
R4
10k
AntOFF
Ant_OFF
C11
120pF
L2
6.8nH
C12
3.9pF
IC2
BGA824N6E6327XTSA1
GND_2
AI
PON
GND_1
VCC
AO
C18
1nF
FL1
B4327
IN
OUT
GND
C20
120pF
RF_IN
CONSMA002-L-G
J5
D2
T3V3S5-7
L1
56nH
C10
56pF
Ant_OFF
IC1
TPS22943DCKR
VOUT
GND
OC
ON
VIN
1uF
C14
R5
100k
2.2uF
C19
C8
100nF
C9
1uF
U2
RFM92W_93W
ANT
3.3V
DIO5
DIO4
DIO3
DIO2
DIO1
DIO0
SCK
MOSI
MISO
NSS
RESET
SPI1_SCK
SPI1_MOSI
SPI1_MISO
SPI1_NSS
LoRa_RESET
LoRa_DIO5
LoRa_DIO4
LoRa_DIO3
LoRa_DIO2
LoRa_DIO1
LoRa_DIO0
CONSMA002-L-G
J4
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KiCad E.D.A. kicad (5.1.4)-1
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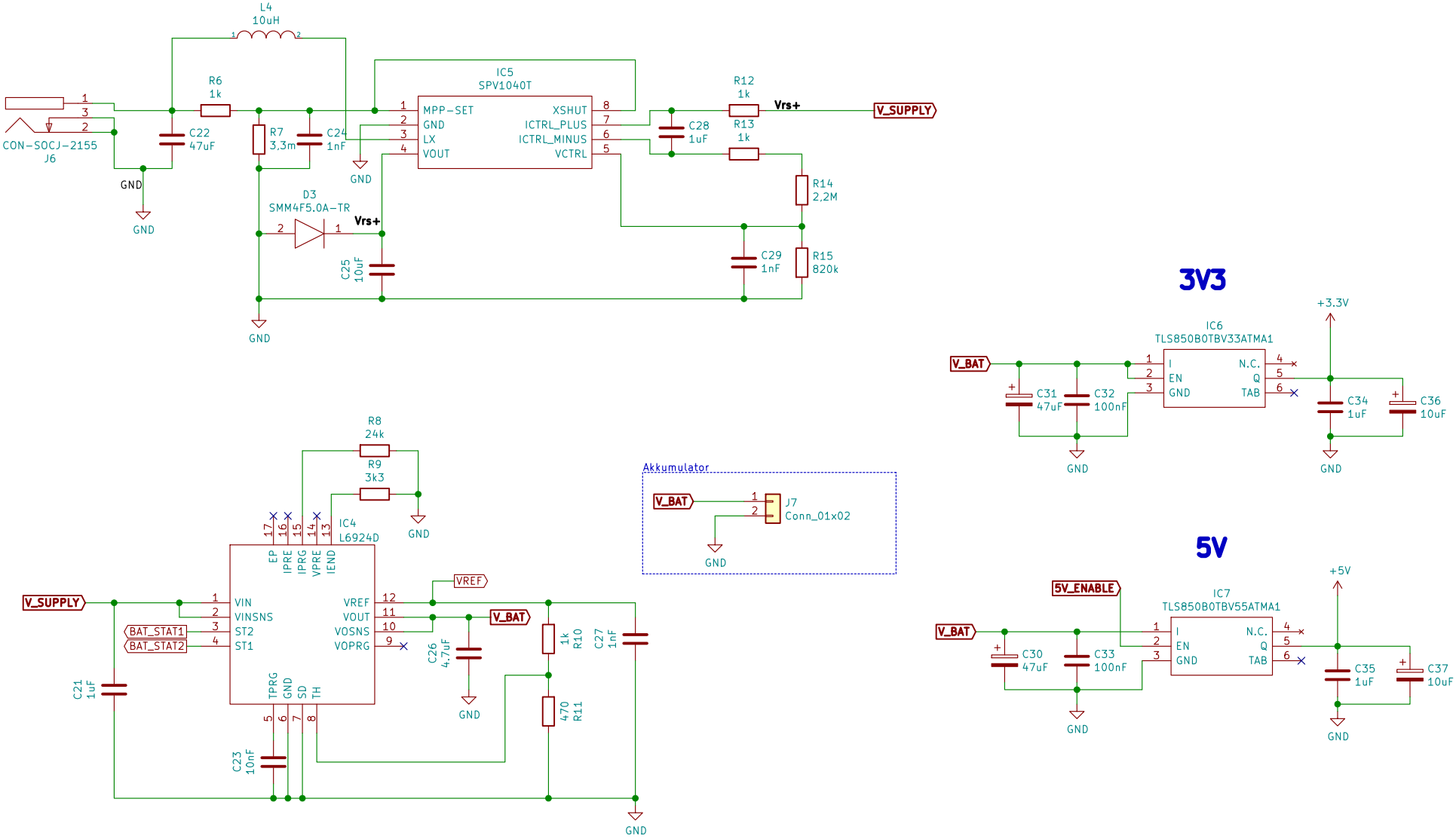

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