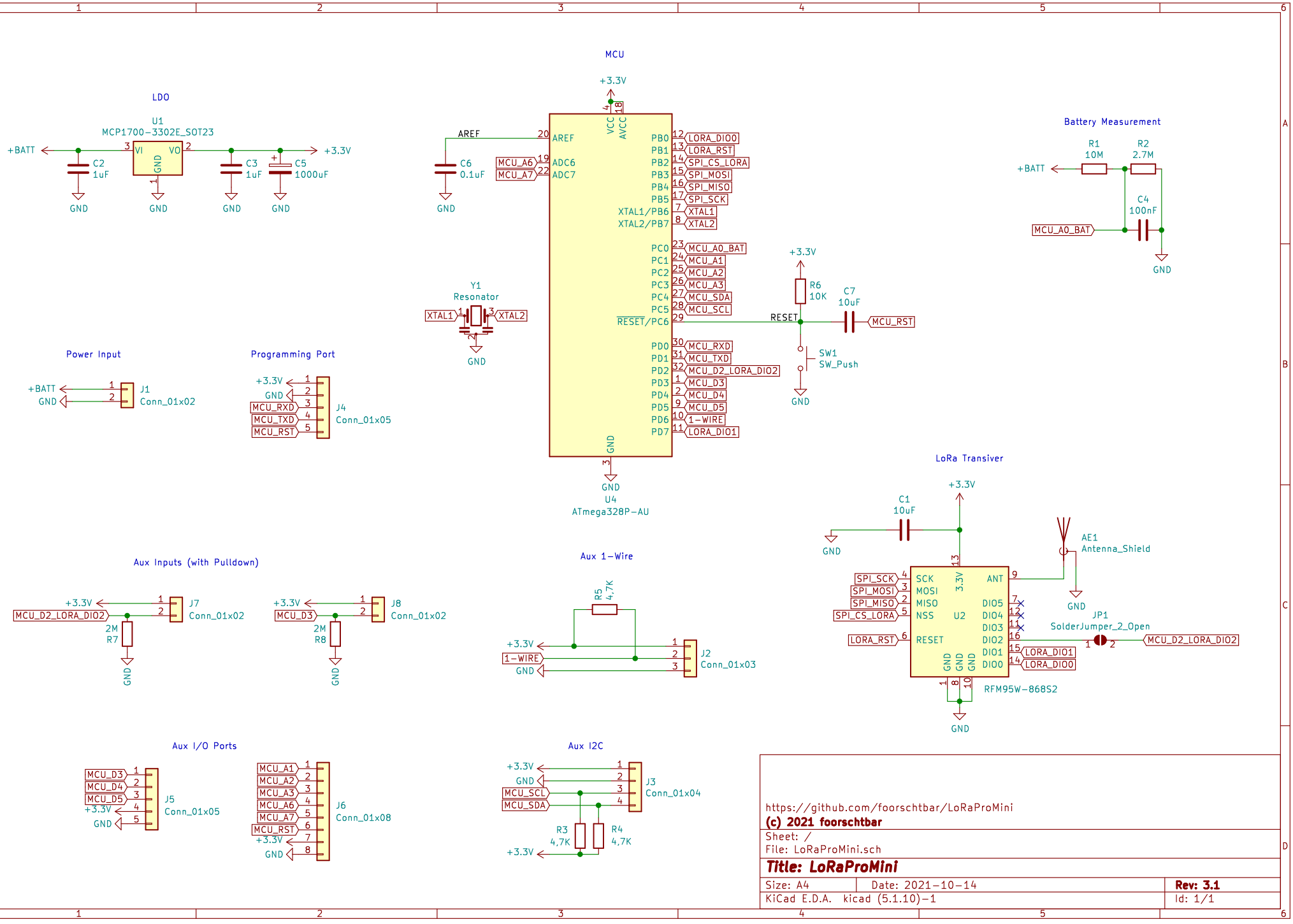
LDO
U1
MCP1700-3302E_SOT23
+BATT
VI
VO
GND
+3.3V
C2
1uF
C3
1uF
C5
1000uF
MCU
+3.3V
AREF
C6
0.1uF
MCU_A6
MCU_A7
ADC6
ADC7
VCC
AVCC
PB0
PB1
PB2
PB3
PB4
PB5
XTAL1/PB6
XTAL2/PB7
PC0
PC1
PC2
PC3
PC4
PC5
RESET/PC6
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
LORA_DIO0
LORA_RST
SPI_CS_LORA
SPI_MOSI
SPI_MISO
SPI_SCK
XTAL1
XTAL2
MCU_A0_BAT
MCU_A1
MCU_A2
MCU_A3
MCU_SDA
MCU_SCL
MCU_RXD
MCU_TXD
MCU_D2_LORA_DIO2
MCU_D3
MCU_D4
MCU_D5
1-WIRE
LORA_DIO1
Y1
Resonator
R6
10K
C7
10uF
RESET
MCU_RST
SW1
SW_Push
U4
ATmega328P-AU
Battery Measurement
R1
10M
R2
2.7M
C4
100nF
Power Input
J1
Conn_01x02
Programming Port
J4
Conn_01x05
LoRa Transiver
C1
10uF
AE1
Antenna_Shield
SCK
MOSI
MISO
NSS
RESET
ANT
DIO5
DIO4
DIO3
DIO2
DIO1
DIO0
U2
JP1
SolderJumper_2_Open
RFM95W-868S2
Aux Inputs (with Pulldown)
J7
Conn_01x02
J8
Conn_01x02
2M
R7
2M
R8
Aux 1-Wire
R5
4,7K
J2
Conn_01x03
Aux I/O Ports
J5
Conn_01x05
J6
Conn_01x08
Aux I2C
J3
Conn_01x04
R3
4,7K
R4
4,7K
https://github.com/foorschtbar/LoRaProMini
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Sheet: /
File: LoRaProMini.sch
Title: LoRaProMini
Size: A4
Date: 2021-10-14
Rev: 3.1
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