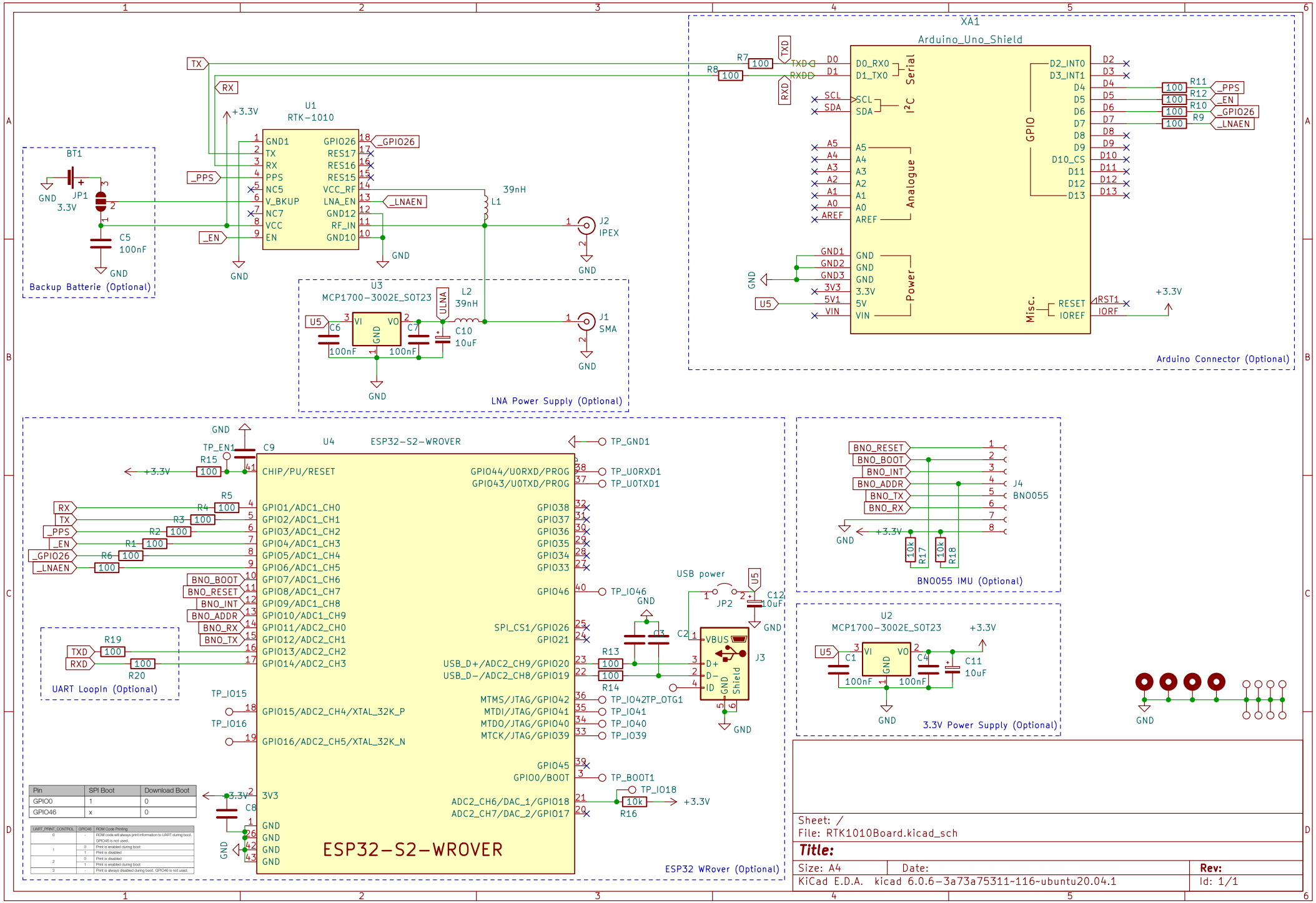
Backup Batterie (Optional)
BT1
JP1
3.3V
C5
100nF
U1
RTK-1010
GND1
TX
RX
PPS
NC5
V_BKUP
NC7
VCC
EN
GPIO26
RES17
RES16
RES15
VCC_RF
LNA_EN
GND12
RF_IN
GND10
_GPIO26
_LNAEN
_PPS
_EN
39nH
L1
J2
IPEX
LNA Power Supply (Optional)
U3
MCP1700-3002E_SOT23
ULNA
L2
39nH
C6
100nF
C7
100nF
C10
10uF
J1
SMA
Arduino Connector (Optional)
XA1
Arduino_Uno_Shield
R7
R8
100
TXD
RXD
D0_RX0
D1_TX0
Serial
SCL
SDA
I2C
A5
A4
A3
A2
A1
A0
AREF
Analogue
GND1
GND2
GND3
3V3
5V1
VIN
Power
D2_INT0
D3_INT1
D10_CS
D11
D12
D13
GPIO
RESET
IOREF
Misc.
RST1
IORF
R11
R12
R10
R9
ESP32 WRover (Optional)
U4
ESP32-S2-WROVER
CHIP/PU/RESET
GPIO44/U0RXD/PROG
GPIO43/U0TXD/PROG
GPIO1/ADC1_CH0
GPIO2/ADC1_CH1
GPIO3/ADC1_CH2
GPIO4/ADC1_CH3
GPIO5/ADC1_CH4
GPIO6/ADC1_CH5
GPIO7/ADC1_CH6
GPIO8/ADC1_CH7
GPIO9/ADC1_CH8
GPIO10/ADC1_CH9
GPIO11/ADC2_CH0
GPIO12/ADC2_CH1
GPIO13/ADC2_CH2
GPIO14/ADC2_CH3
GPIO15/ADC2_CH4/XTAL_32K_P
GPIO16/ADC2_CH5/XTAL_32K_N
3V3
GPIO38
GPIO37
GPIO36
GPIO35
GPIO34
GPIO33
GPIO46
SPI_CS1/GPIO26
GPIO21
USB_D+/ADC2_CH9/GPIO20
USB_D-/ADC2_CH8/GPIO19
MTMS/JTAG/GPIO42
MTDI/JTAG/GPIO41
MTDO/JTAG/GPIO40
MTCK/JTAG/GPIO39
GPIO45
GPIO0/BOOT
ADC2_CH6/DAC_1/GPIO18
ADC2_CH7/DAC_2/GPIO17
TP_GND1
TP_U0RXD1
TP_U0TXD1
TP_IO046
TP_IO042TP_OTG1
TP_IO041
TP_IO040
TP_IO039
TP_BOOT1
TP_IO018
TP_EN1
TP_IO015
TP_IO016
R15
R5
R4
R3
R2
R1
R6
R19
R20
R13
R14
R16
C9
C8
C3
C2
C12
10uF
JP2
USB power
J3
VBUS
D+
D-
ID
GND
Shield
UART LoopIn (Optional)
Pin | SPI Boot | Download Boot
GPIO0 | 1 | 0
GPIO46 | x | 0
BNO055 IMU (Optional)
BNO_RESET
BNO_BOOT
BNO_INT
BNO_ADDR
BNO_TX
BNO_RX
J4
BNO055
R17
R18
10k
3.3V Power Supply (Optional)
U2
MCP1700-3002E_SOT23
C1
100nF
C4
100nF
C11
10uF
Sheet: /
File: RTK1010Board.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 6.0.6-3a73a75311~116~ubuntu20.04.1
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