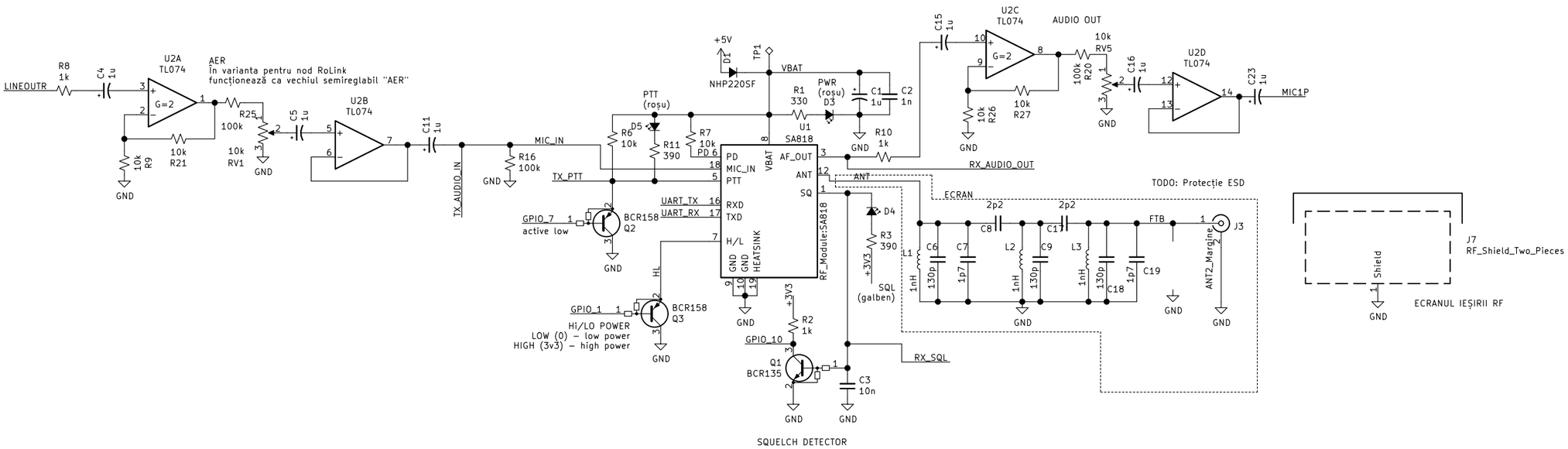
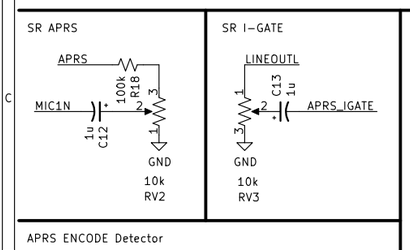
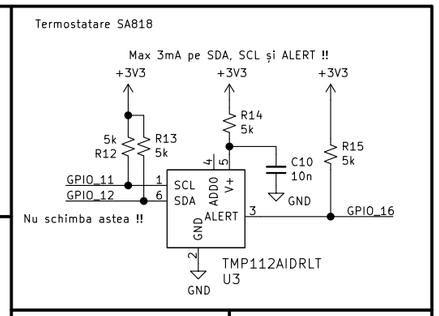
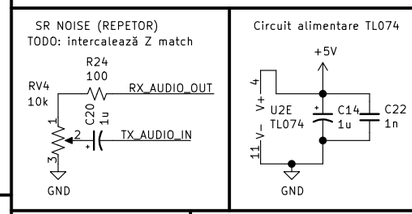
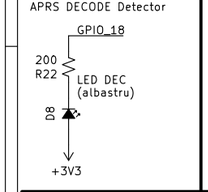
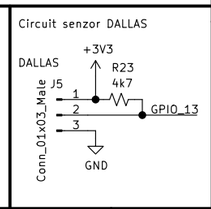


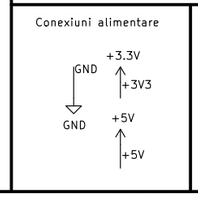


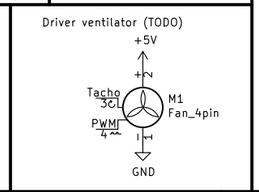


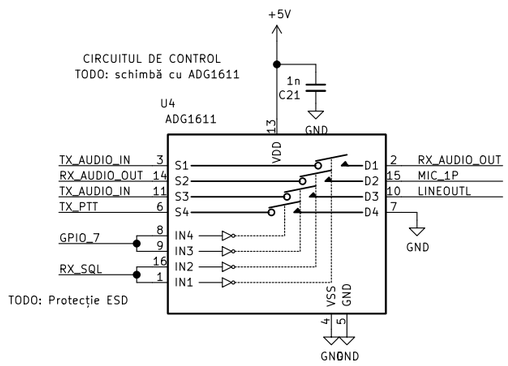












Pinout Header 1x13 pini, OrangePi

J2
Header_1x13_OrangePi

+5V	1	1 --> 5V
GND	2	2 --> GND
USB-DM2	3	3 --> USB-DM2
USB-DP2	4	4 --> USB-DP2
USB-DM3	5	5 --> USB-DM3
USB-DP3	6	6 --> USB-DP3
LINEOUTR	7	7 --> LINEOUTR
LINEOUTL	8	8 --> LINEOUTL
TV-OUT	9	9 --> TV-OUT
MIC-BIAS	10	10 --> MIC-BIAS
MIC1P	11	11 --> MIC1P
MIC1N	12	12 --> MIC1N
CIR-RX	13	13 --> CIR-RX

Pinout Header 2x13 pini, OrangePi

J1
Header_2x13_OrangePi

+3V3	1	2	+5V	1 --> 3.3V 2 --> 5V 3 --> TWI0_SDA / PA12 / GPIO12 4 --> 5V 5 --> TWI0_SCK / PA11 / GPIO11 6 --> GND 7 --> PWM1 / PA06 / GPIO6 8 --> UART1_TX / PG06 / GPIO198 9 --> GND 10 --> UART1_RX / PG07 / GPIO199 11 --> UART2_RX / PA01 / GPIO1 12 --> SIM_CLK/PA_EINT7 / PA07 / GPIO7 13 --> UART2_TX / PA00 / GPIO0 14 --> GND 15 --> UART2_CTS / PA03 / GPIO3 16 --> TWI1-SDA / PA19 / GPIO19 17 --> 3.3V 18 --> TWI1-SCK / PA18 / GPIO18 19 --> SPI1_MOSI / PA15 / GPIO15 20 --> GND 21 --> SPI1_MISO / PA16 / GPIO16 22 --> UART2_RTS / PA02 / GPIO2 23 --> SPI1_CLK / PA14 / GPIO14 24 --> SPI1_CS / PA13 / GPIO13 25 --> GND 26 --> SIM_DET/PA_EINT10 / PA10 / GPIO10
GPIO_12	3	4	+5V	
GPIO_11	5	6	GND	
GPIO_6	7	8	UART_TX	
GND	9	10	UART_RX	
GPIO_1	11	12	GPIO_7	
GPIO_0	13	14	GND	
GPIO_3	15	16	GPIO_19	
+3V3	17	18	GPIO_18	
GPIO_15	19	20	GND	
GPIO_16	21	22	GPIO_2	
GPIO_14	23	24	GPIO_13	
GND	25	26	GPIO_10	

Pinout connector 1x10, panglică stații

J4
Conector_Panglică_Stații

APRS_IGATE	1
APRS	2
APRS_ENC_PTT	3
GND	4
RX_AUDIO_OUT	5
RX_SQL	6
GND	7
GND	8
TX_PTT	9
TX_AUDIO_IN	10

APRS_IGATE (1) --> APRSC pin 1
APRS (2) --> APRSC pin 2
APRS_ENC_PTT (3) --> APRSC pin 3
[APRSC pin 4,5 -- NC]
GND (4) --> APRSC pin 6
RX_AUDIO_OUT (5) --> TRXRX pin 2
RX_SQL (6) --> TRXRX pin 5
GND (7) --> TRXRX pin 6
GND (8) --> TXC pin 6
[TXC pin 4,5 -- NC]
TX_PTT (9) --> TXC pin 3
[TXC pin 2 -- NC]
TX_AUDIO_IN (10) --> TXC pin 1

Refacere nod RoLink pentru utilizare multiplă
Done by YO3ITI & YO4ISC
AlaudaProjects

Sheet: /
File: RoLink_OPi_4ISC.sch

Title: Nod Mobil RoLink

Size: A3	Date: 2019-11-25	**Rev: 2.3**
KiCad E.D.A. kicad (5.1.5-0)		Id: 1/1