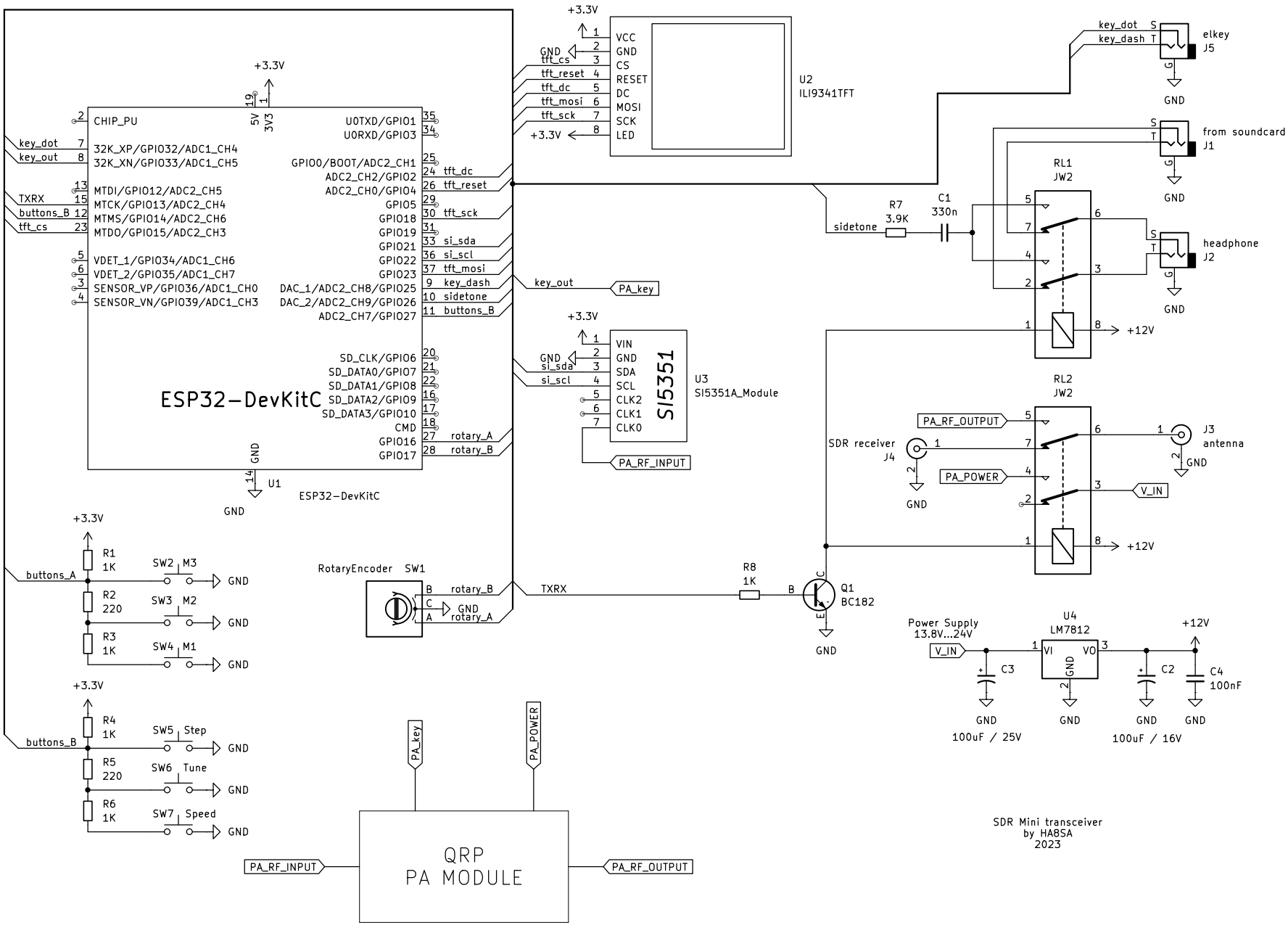

ESP32-DevKitC
U1
ESP32-DevKitC
CHIP_PU
32K_XP/GPIO32/ADC1_CH4
32K_XN/GPIO33/ADC1_CH5
MTDI/GPIO12/ADC2_CH5
MTCK/GPIO13/ADC2_CH4
MTMS/GPIO14/ADC2_CH6
MTDO/GPIO15/ADC2_CH3
VDET_1/GPIO34/ADC1_CH6
VDET_2/GPIO35/ADC1_CH7
SENSOR_VP/GPIO36/ADC1_CH0
SENSOR_VN/GPIO39/ADC1_CH3
U0TXD/GPIO1
U0RXD/GPIO3
GPIO0/BOOT/ADC2_CH1
ADC2_CH2/GPIO2
ADC2_CH0/GPIO4
GPIO5
GPIO18
GPIO19
GPIO21
GPIO22
GPIO23
DAC_1/ADC2_CH8/GPIO25
DAC_2/ADC2_CH9/GPIO26
ADC2_CH7/GPIO27
SD_CLK/GPIO6
SD_DATA0/GPIO7
SD_DATA1/GPIO8
SD_DATA2/GPIO9
SD_DATA3/GPIO10
CMD
GPIO16
GPIO17
+3.3V
5V
3V3
GND
key_dot
key_out
TXRX
buttons_B
tft_cs
tft_dc
tft_reset
tft_sck
si_sda
si_scl
tft_mosi
key_dash
sidetone
buttons_A
rotary_A
rotary_B
U2
ILI9341TFT
VCC
GND
CS
RESET
DC
MOSI
SCK
LED
U3
SI5351A_Module
SI5351
VIN
SDA
SCL
CLK2
CLK1
CLK0
PA_key
PA_RF_INPUT
RotaryEncoder SW1
R1
1K
R2
220
R3
1K
R4
1K
R5
220
R6
1K
SW2 M3
SW3 M2
SW4 M1
SW5 Step
SW6 Tune
SW7 Speed
R7
3.9K
C1
330n
R8
1K
Q1
BC182
RL1
JW2
RL2
JW2
elkey
J5
from soundcard
J1
headphone
J2
+12V
SDR receiver
J4
PA_RF_OUTPUT
PA_POWER
V_IN
J3
antenna
Power Supply
13.8V...24V
U4
LM7812
VI
VO
C3
C2
C4
100nF
100uF / 25V
100uF / 16V
PA_POWER
QRP
PA MODULE
PA_RF_OUTPUT
SDR Mini transceiver
by HA8SA
2023