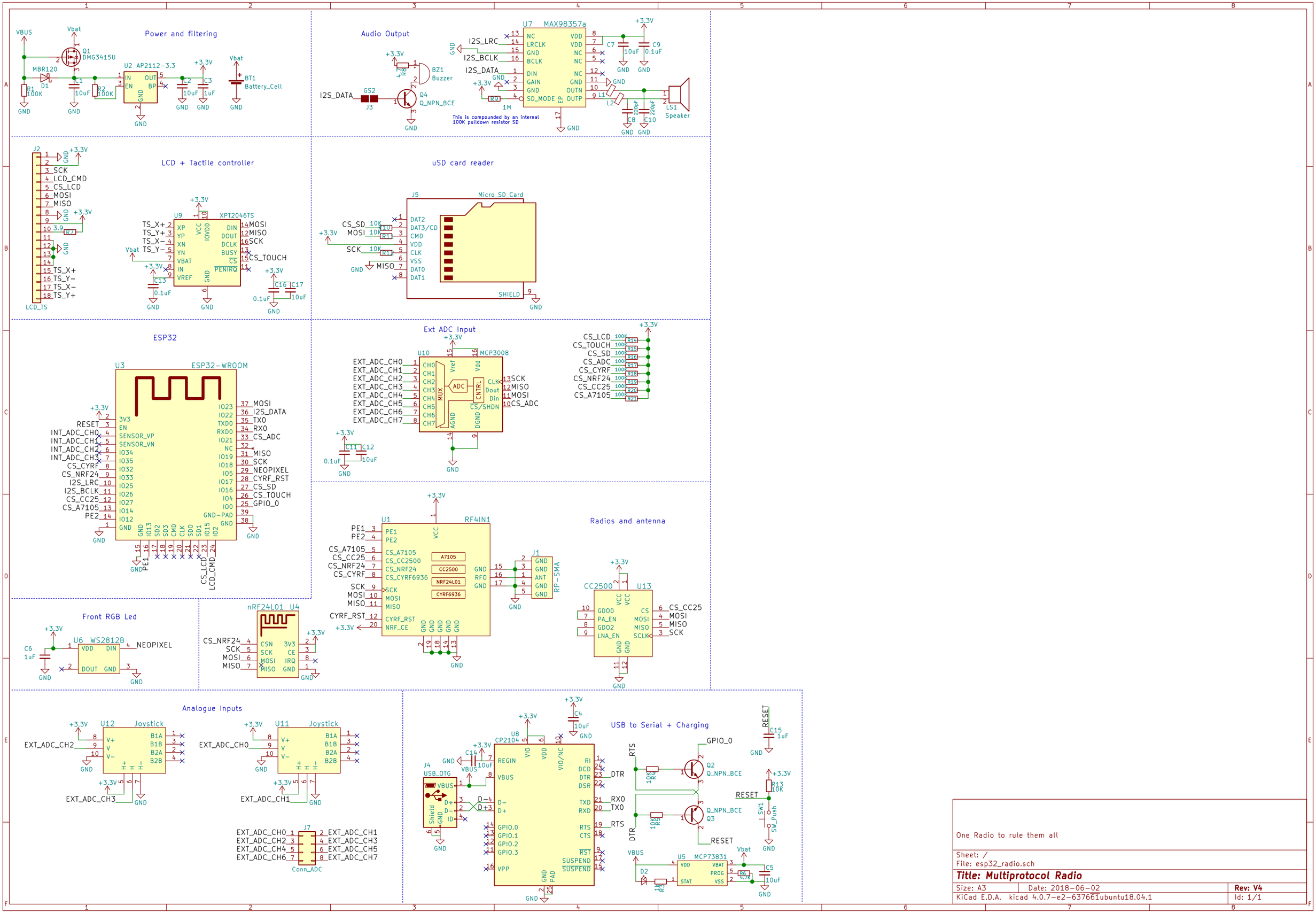
Power and filtering
Audio Output
LCD + Tactile controller
uSD card reader
ESP32
Ext ADC Input
Radios and antenna
Front RGB Led
Analogue Inputs
USB to Serial + Charging
U7 MAX98357a
U2 AP2112-3.3
U3 ESP32-WROOM
U10 MCP3008
U1 RF4IN1
U9 XPT2046TS
J5 Micro_SD_Card
U12 Joystick
U11 Joystick
U8 CP2104
U5 MCP73831
U13 CC2500
U4 nRF24L01
U6 WS2812B
J1 RP-SMA
J4 USB_OTG
J7 Conn_ADC
LS1 Speaker
BT1 Battery_Cell
BZ1 Buzzer
Q1 DMG3415U
Q4 Q_NPN_BCE
Q2 Q_NPN_BCE
Q3 Q_NPN_BCE
This is compounded by an internal 100K pulldown resistor SD
One Radio to rule them all
Sheet: /
File: esp32_radio.sch
Title: Multiprotocol Radio
Size: A3
Date: 2018-06-02
Rev: V4
KiCad E.D.A. kicad 4.0.7-e2-637661ubuntu18.04.1
Id: 1/1