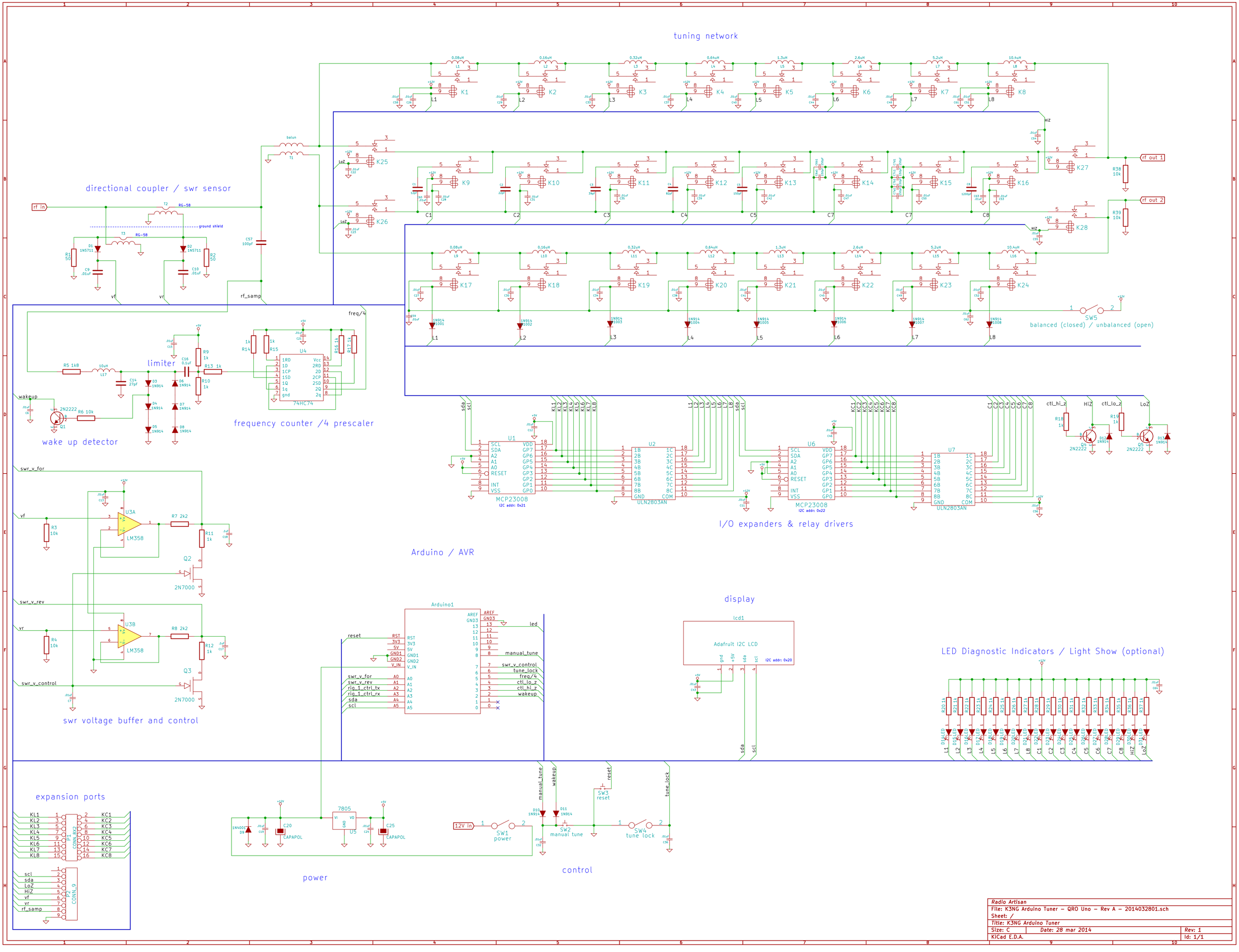
tuning network
directional coupler / swr sensor
balun
rf in
rf out 1
rf out 2
ground shield
rf_samp
freq/4
limiter
wake up detector
frequency counter /4 prescaler
74HC74
balanced (closed) / unbalanced (open)
I/O expanders & relay drivers
MCP23008
I2C addr: 0x21
I2C addr: 0x22
ULN2803AN
Arduino / AVR
Arduino1
display
Adafruit I2C LCD
I2C addr: 0x20
LED Diagnostic Indicators / Light Show (optional)
swr voltage buffer and control
LM358
2N7000
expansion ports
CONN_8X2
CONN_9
power
7805
CAPAPOL
control
manual tune
tune lock
reset
Radio Artisan
File: K3NG Arduino Tuner - QRO Uno - Rev A - 2014032801.sch
Sheet: /
Title: K3NG Arduino Tuner
Size: C
Date: 28 mar 2014
Rev: 1
KiCad E.D.A.
Id: 1/1