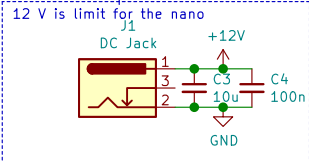


Goals:
 Vanilla Guido design as starting point
 Modular to experiment.

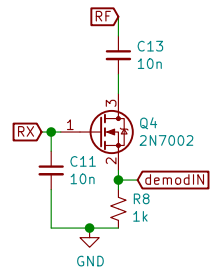
- Arduino nano -> MKR zero/cortex, RP2040
- etherkit TXCO or adafruit style si5351 connectors
- OLED or 1602 LCD
- 3x parallel mosfets or individual
- single band filter plug in modules or on board 1 band

BJT MOSFET driver
 PCBA from jlcpb

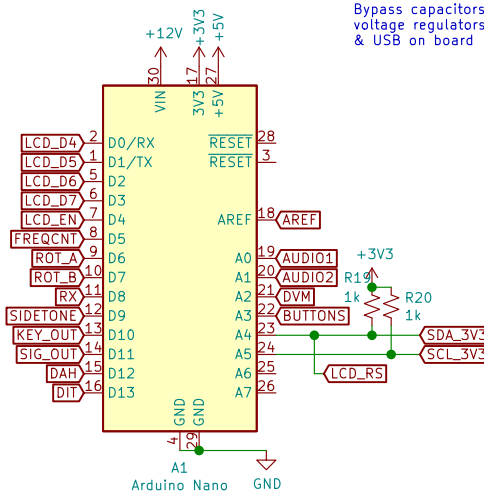
Power Input



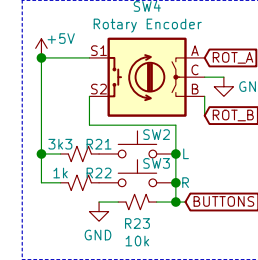
20 dB RX attenuator



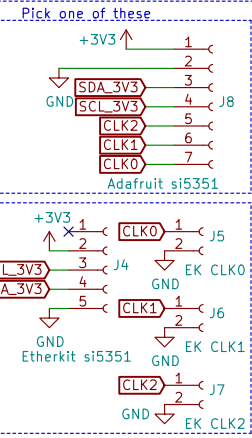
MCU Module



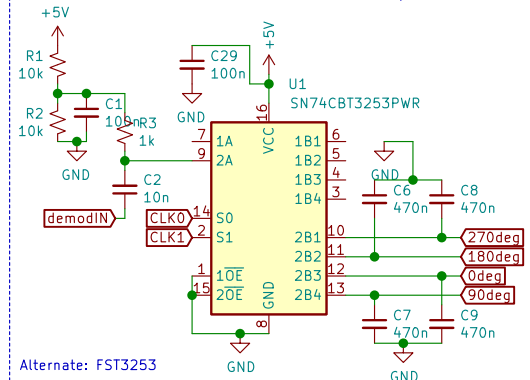
Controls



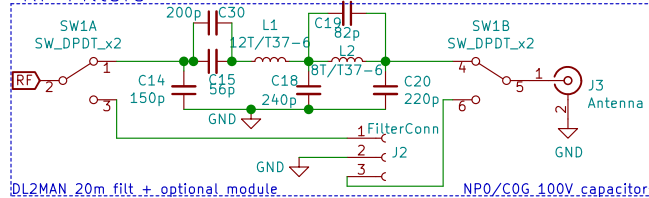
Clock Modules



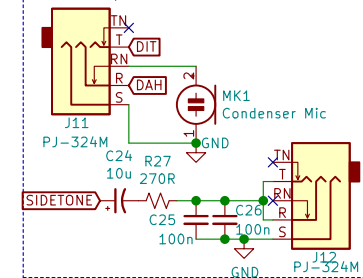
Quadrature detector and low pass filter



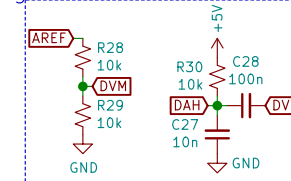
RF Filters



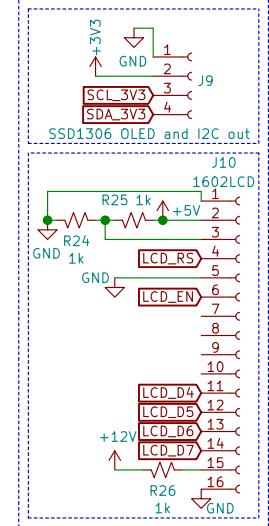
Audio I/O



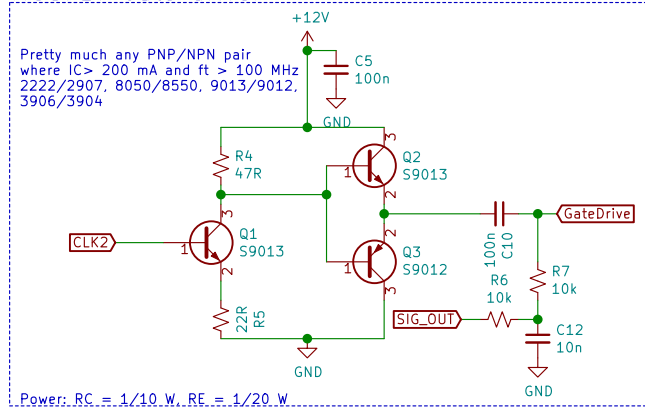
Digital Volt Meter & Mic Bias



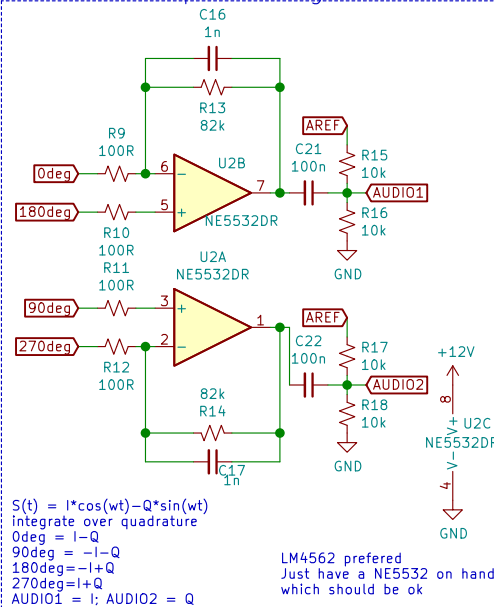
LCDs



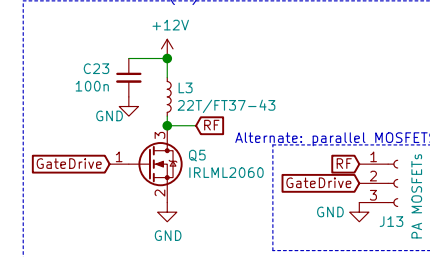
MOSFET Gate driver



Difference Amplifier to get I&Q



PA MOSFET(s)



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KD9PDP

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Title: uSDX-X

Size: A4 Date: 2021-03-27

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