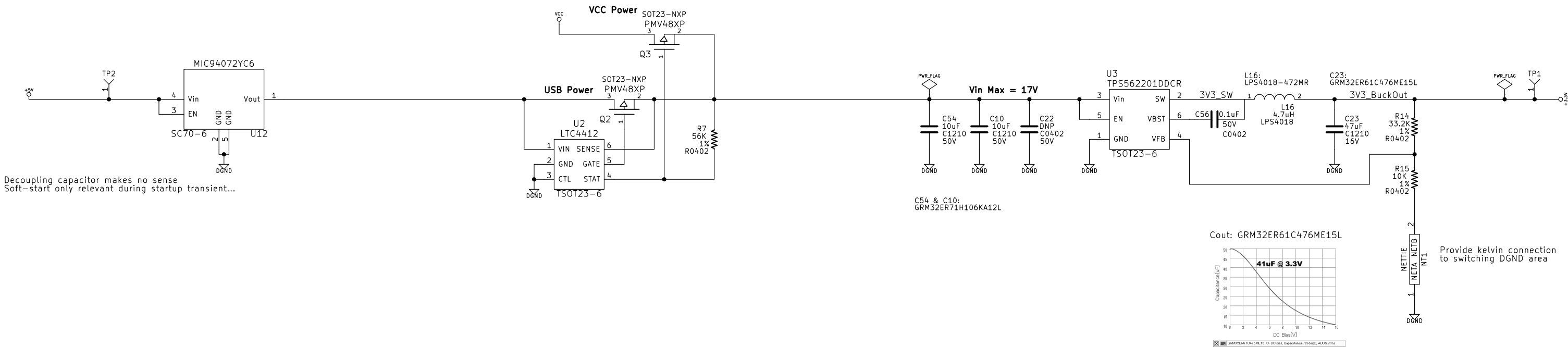


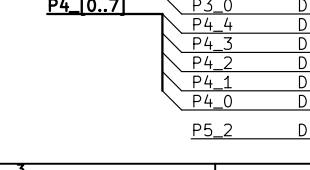
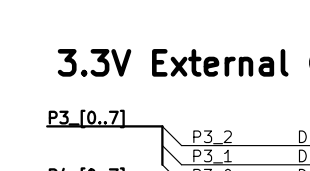
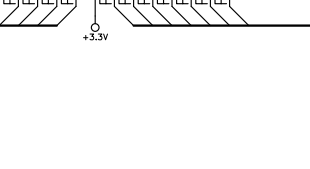
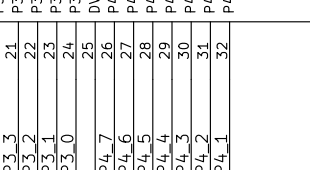
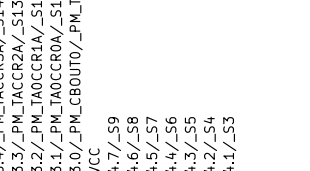
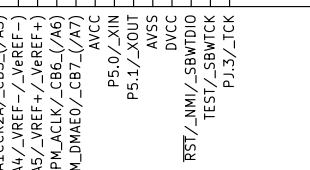
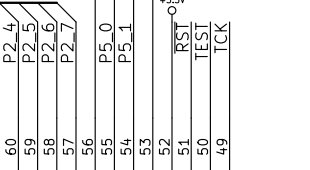
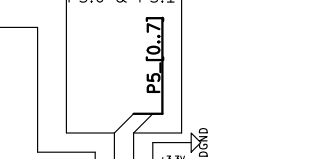
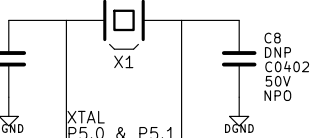
USB Soft-Start

Ideal Diode Controller

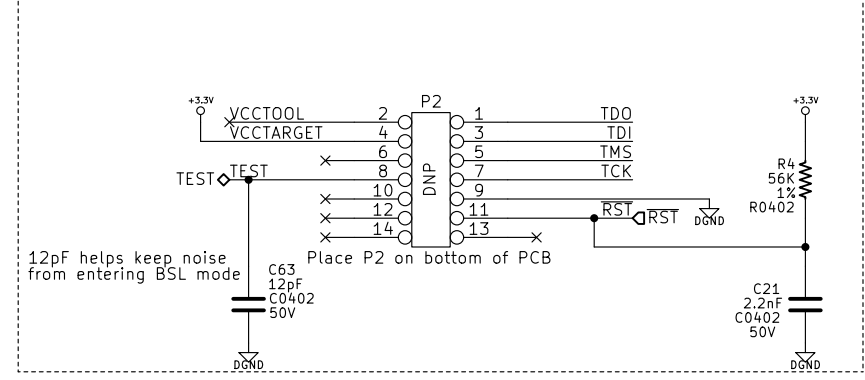
3.3V Buck Regulator – 0.5A



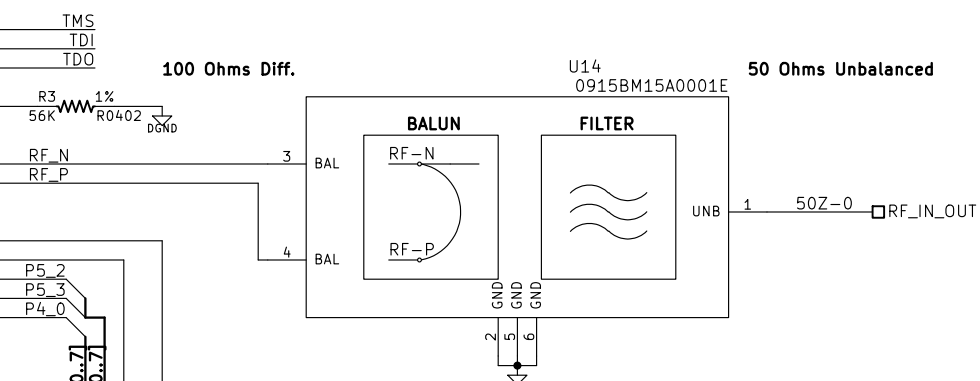
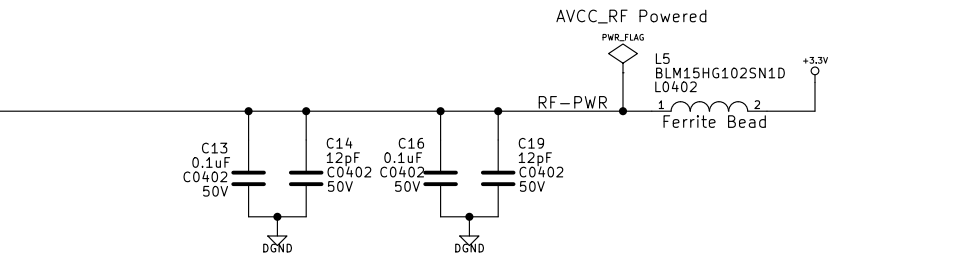
32.768KHz Watch Crystal
ST3215SB32768H5HPWAA



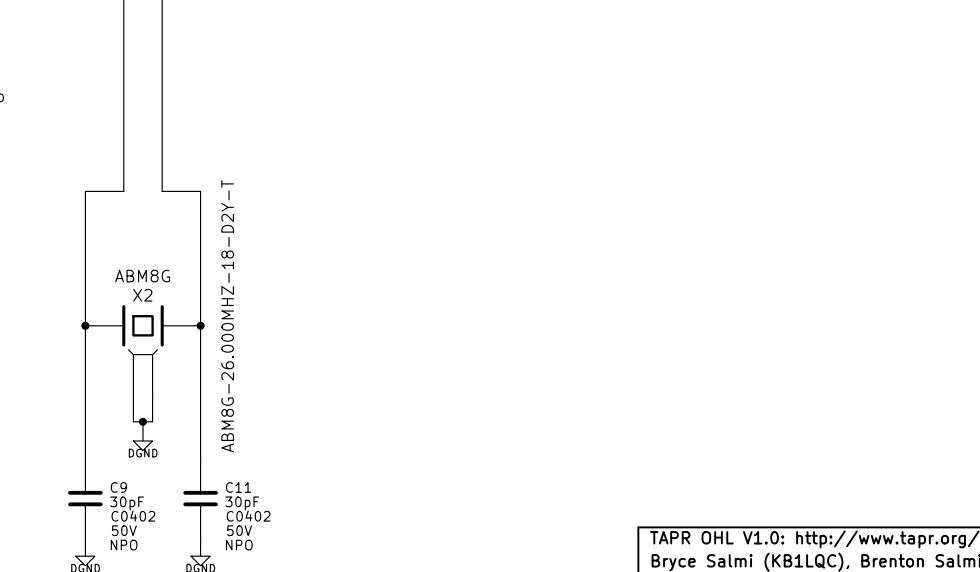
JTAG

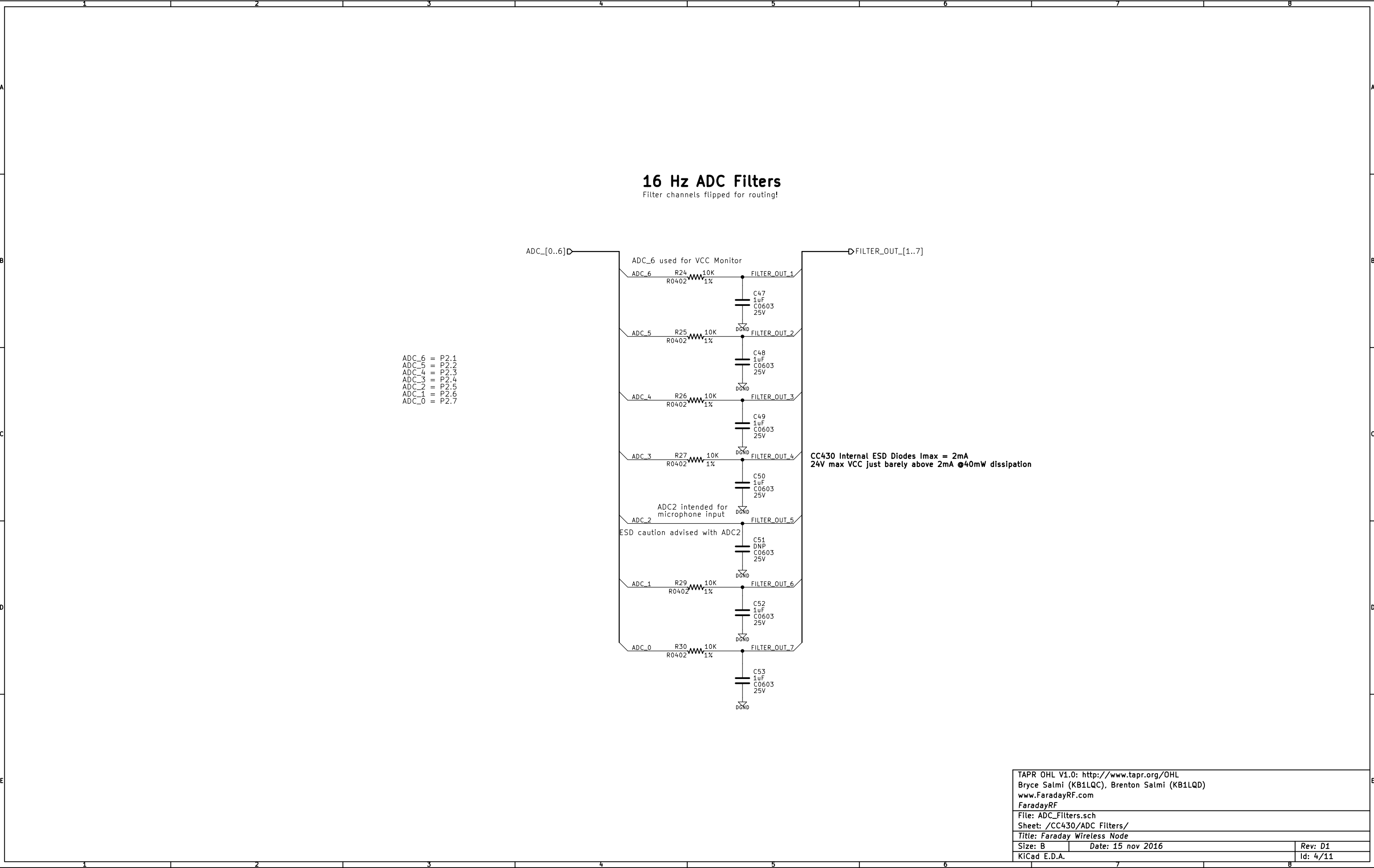


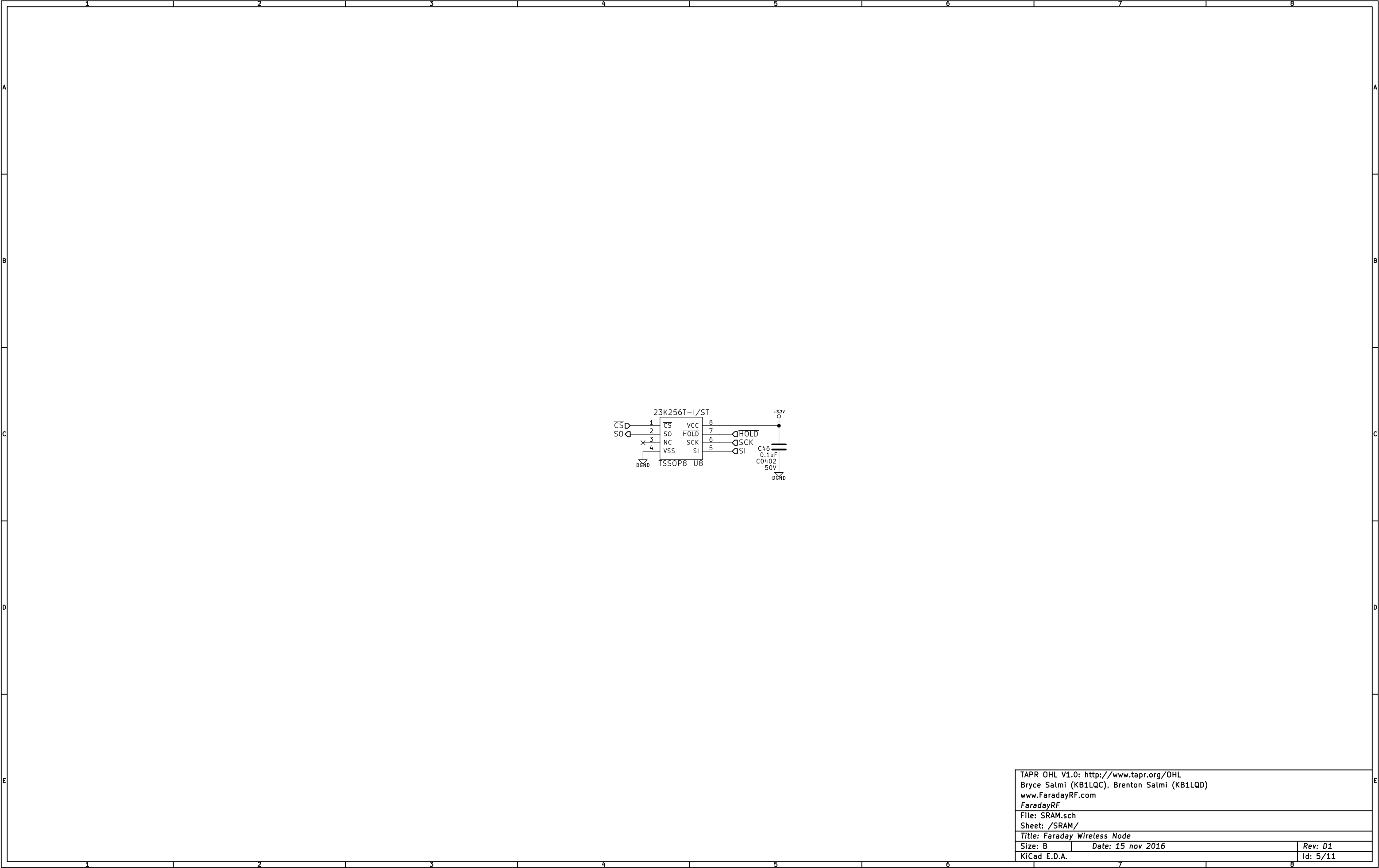
http://processors.wiki.ti.com/index.php/File:JTAG_4_wire_pinout.JPG

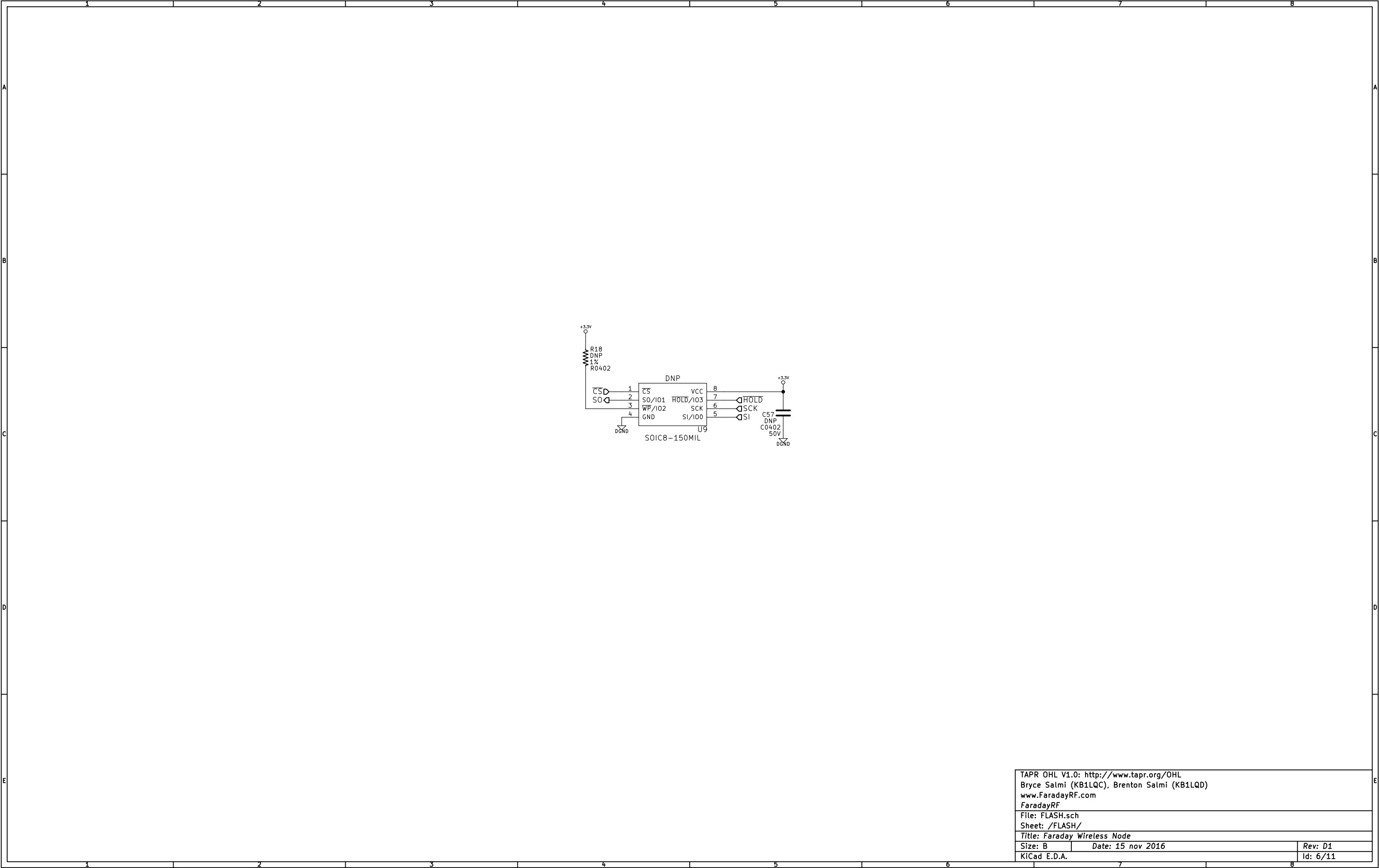


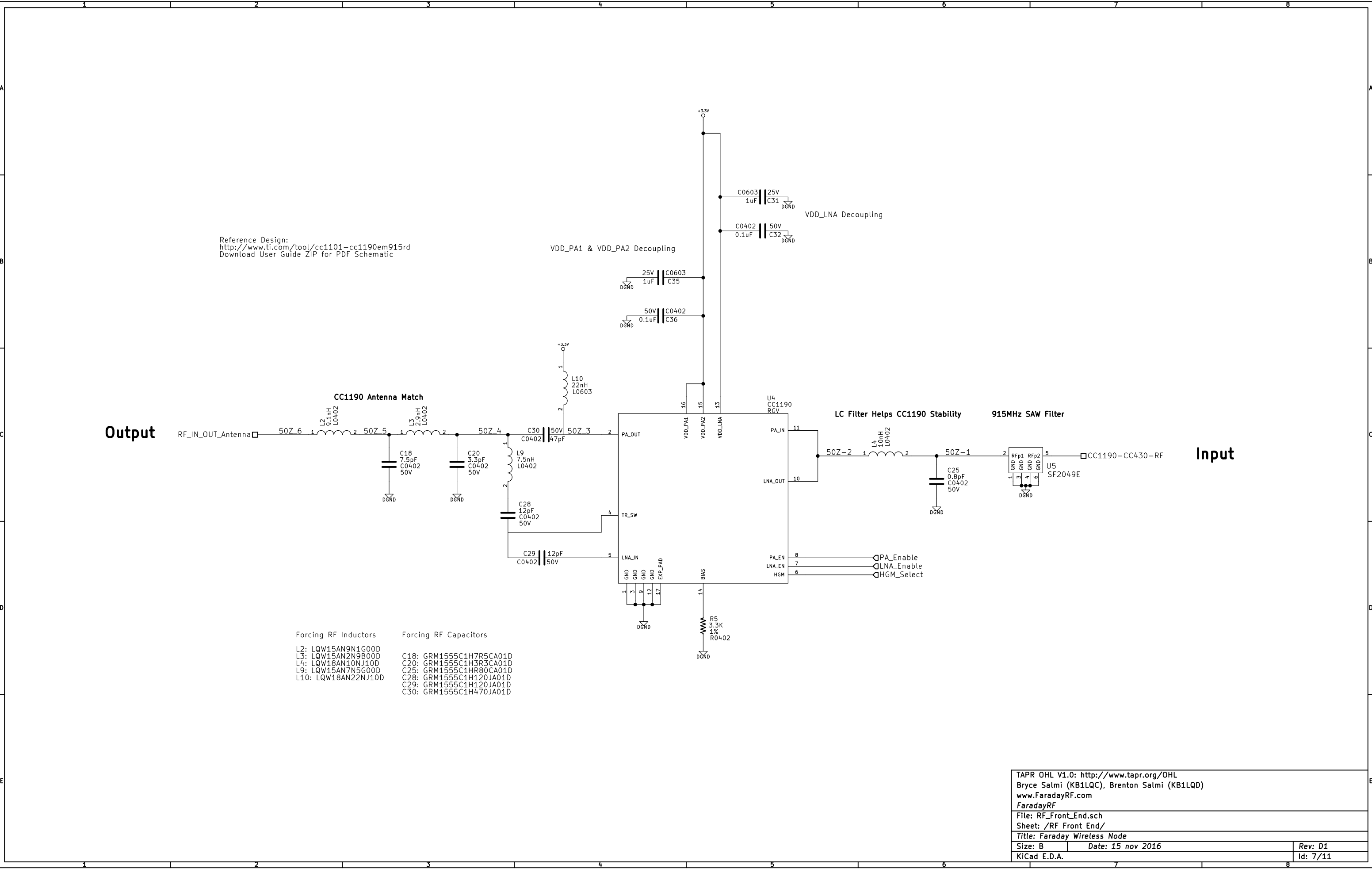
Application note for Balun/Filter is TI SWRA250A

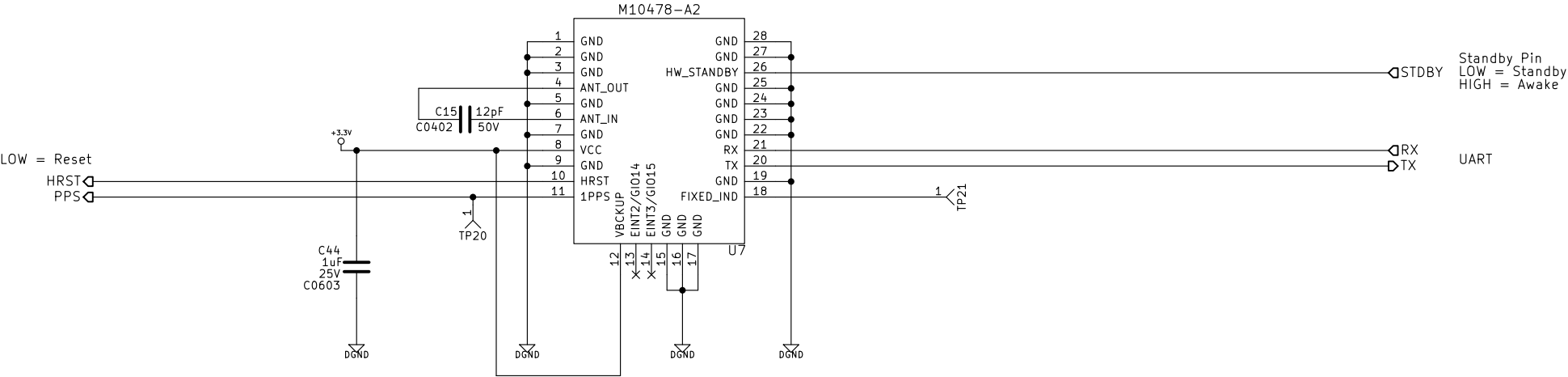




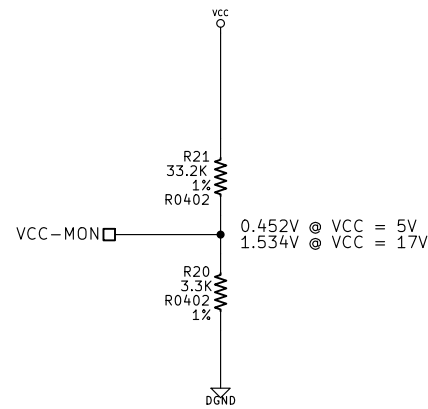




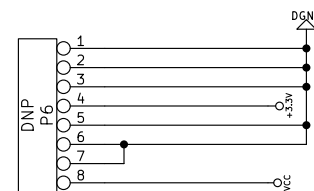




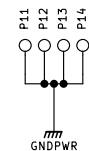
GPS can be DNP'd for cheap version w/ passives soldered
allowing for customer to buy GPS afterwards if needed



Power

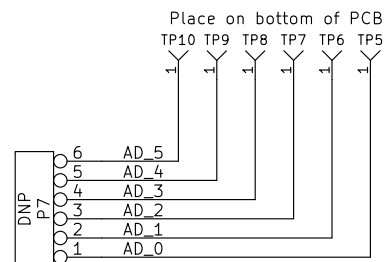


Mounting Holes 125 mil

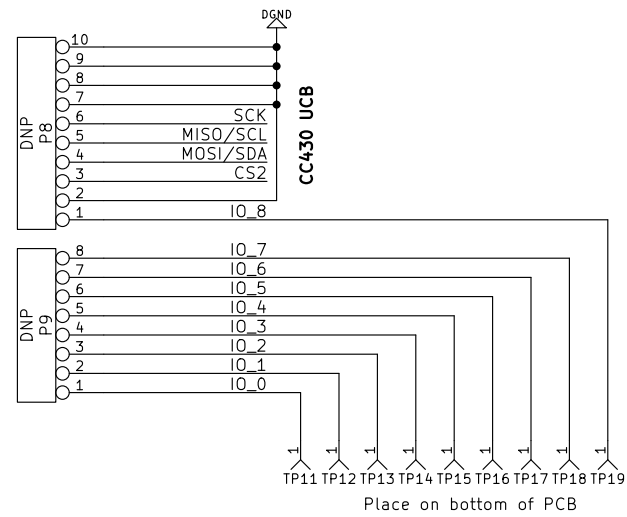


Connected to USB shield

Analog In



Digital



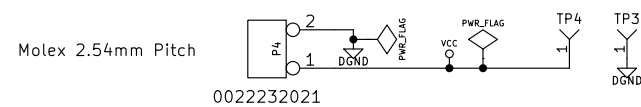
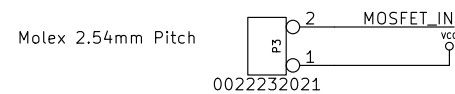
CONN_IO_[0..8] IO_[0..8]

CONN_Analog[0..5] AD_[0..5]

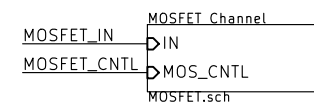
CONN_MOSI/SDA MOSI/SDA
CONN_MISO/SCL MISO/SCL
CONN_SCK SCK
CONN_CS CS2

MOSFET_CNTL MOSFET_CNTL

Ext. Power/MOSFET



Ground is driven



TAPR OHL V1.0: <http://www.tapr.org/OHL>
Bryce Salmi (KB1LQC), Brenton Salmi (KB1LQD)
www.FaradayRF.com
FaradayRF

File: connector.sch

Sheet: /Shield Connector/

Title: Faraday Wireless Node

Size: B Date: 15 nov 2016

KiCad E.D.A.

Rev: D1

Id: 10/11

