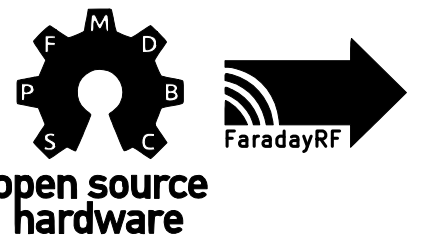
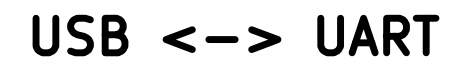
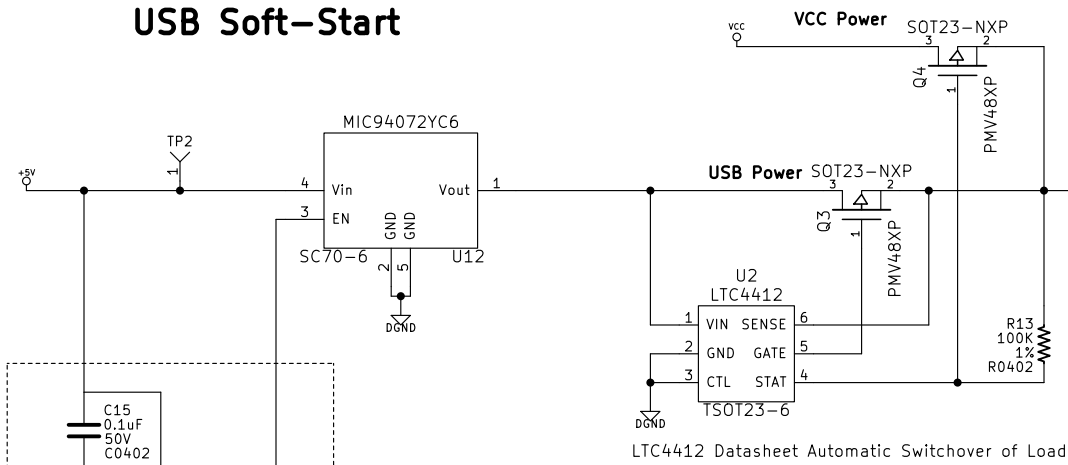


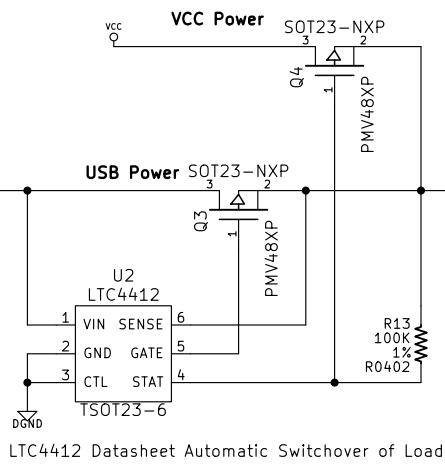
RF & Control Section

Rev: C
d: 1/11

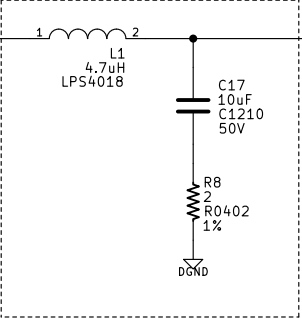
USB Soft-Start



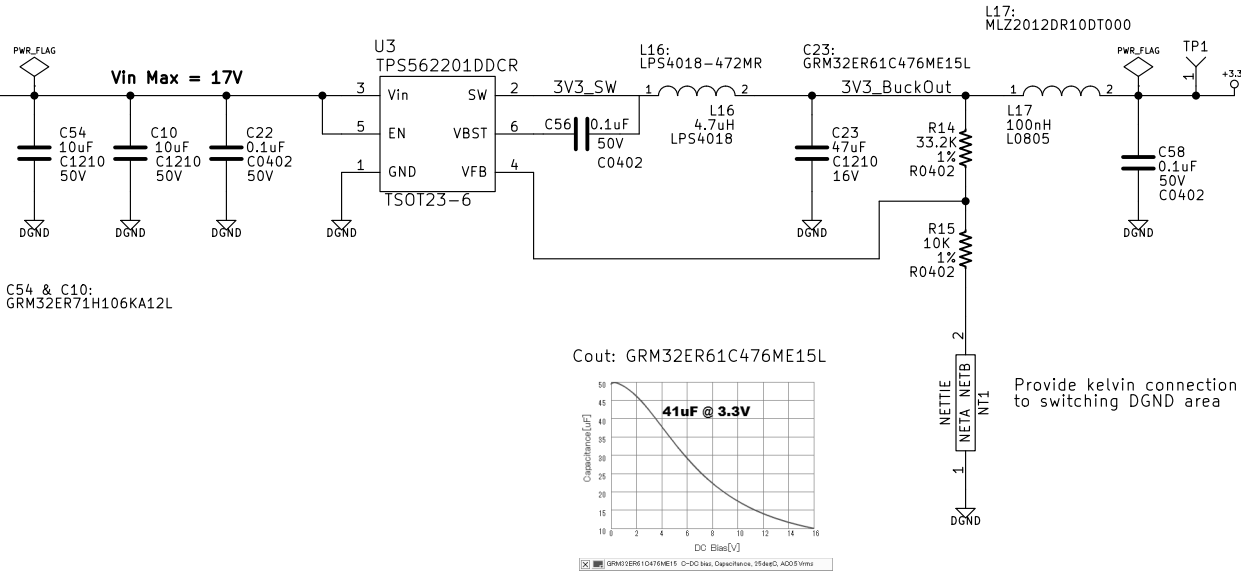
USB FT230X PWREN



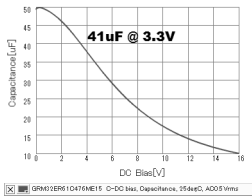
65KHz Input Filter



3.3V Buck Regulator – 0.5A

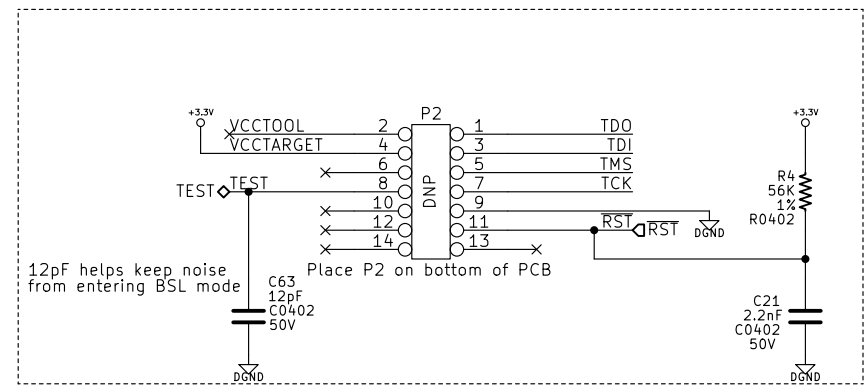


Cout: GRM32ER61C476ME15L

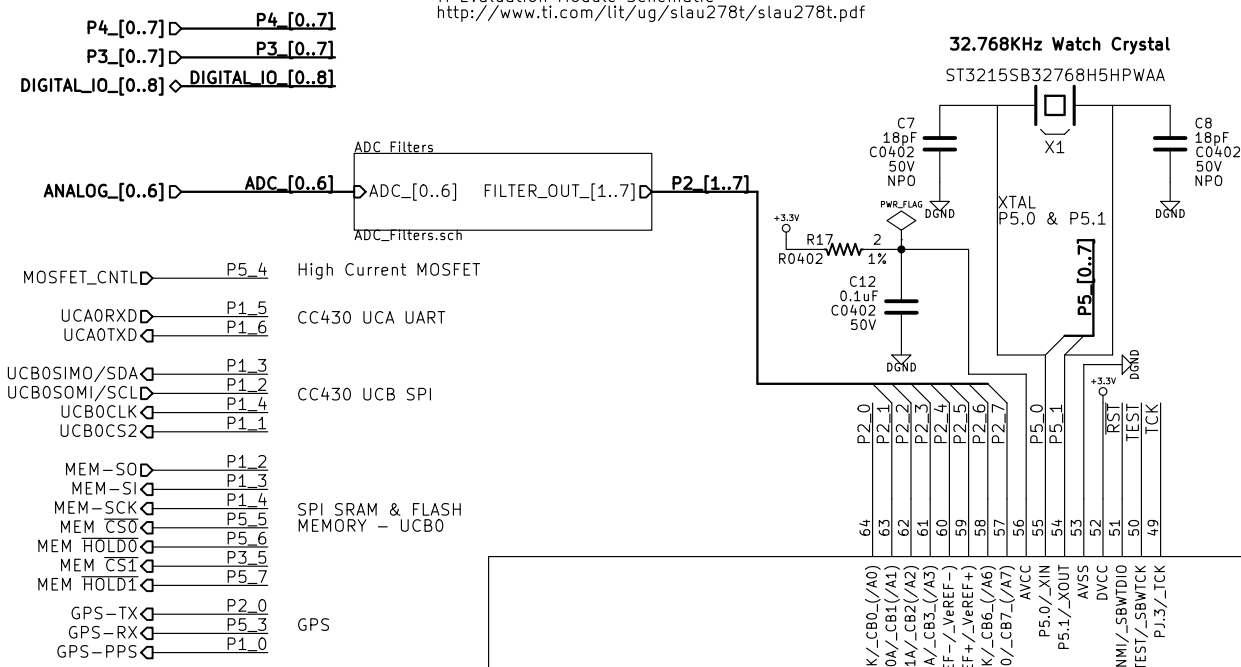


32.768KHz Watch Crystal
ST3215SB32768H5HPWAA

JTAG



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

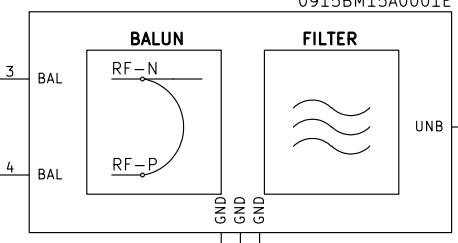


U1
CC430F6137
RGC



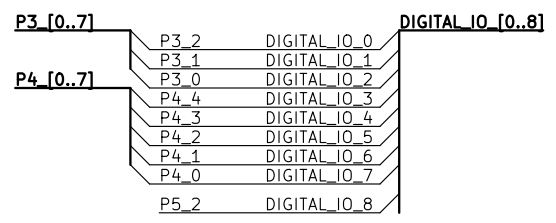
100 Ohms Diff.

50 Ohms Unbalanced

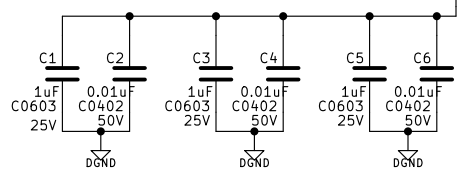


Application note for Balun/Filter is TI SWRA250A

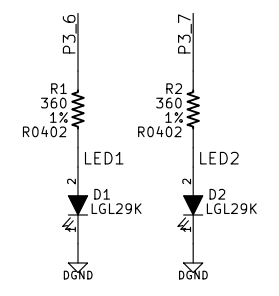
3.3V External GPIO Interface



CC430 DVCC Decoupling



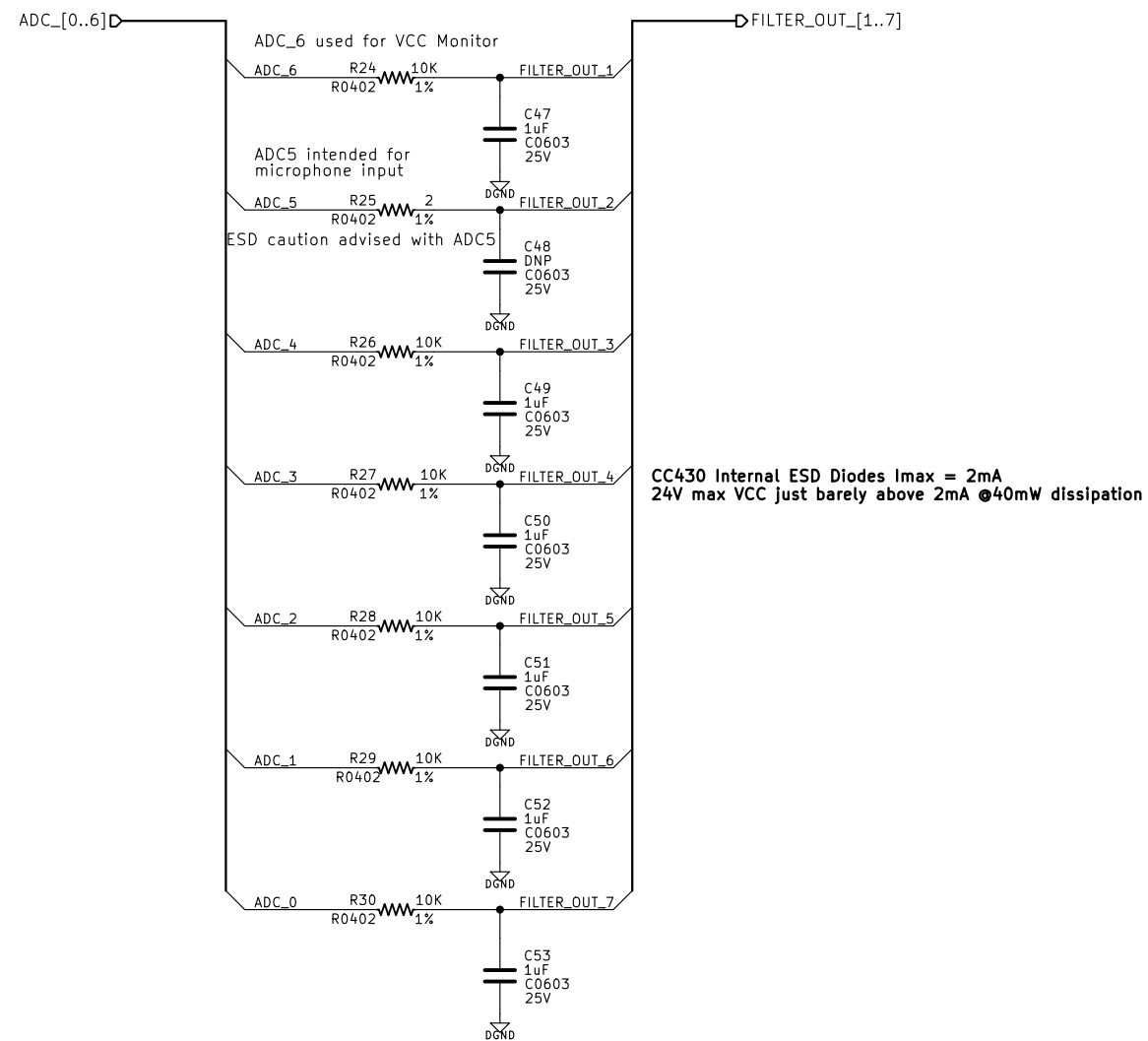
About 6mA per LED @ 3.3V



TAPR OHL V1.0: http://www.tapr.org/OHL		
Bryce Salmi (KB1LQC), Brenton Salmi (KB1LQD)		
www.FaradayRF.com		
FaradayRF		
File: CC430.sch		
Sheet: /CC430/		
Title: Faraday Wireless Node		
Size: B	Date: 24 oct 2016	Rev: C
KiCad E.D.A.		Id: 3/11

Filter channels flipped for routing!

```
ADC_6 = P2.1
ADC_5 = P2.2
ADC_4 = P2.3
ADC_3 = P2.4
ADC_2 = P2.5
ADC_1 = P2.6
ADC_0 = P2.7
```



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

File: ADC_Filters.sch
Sheet: /CC430/ADC Filters/

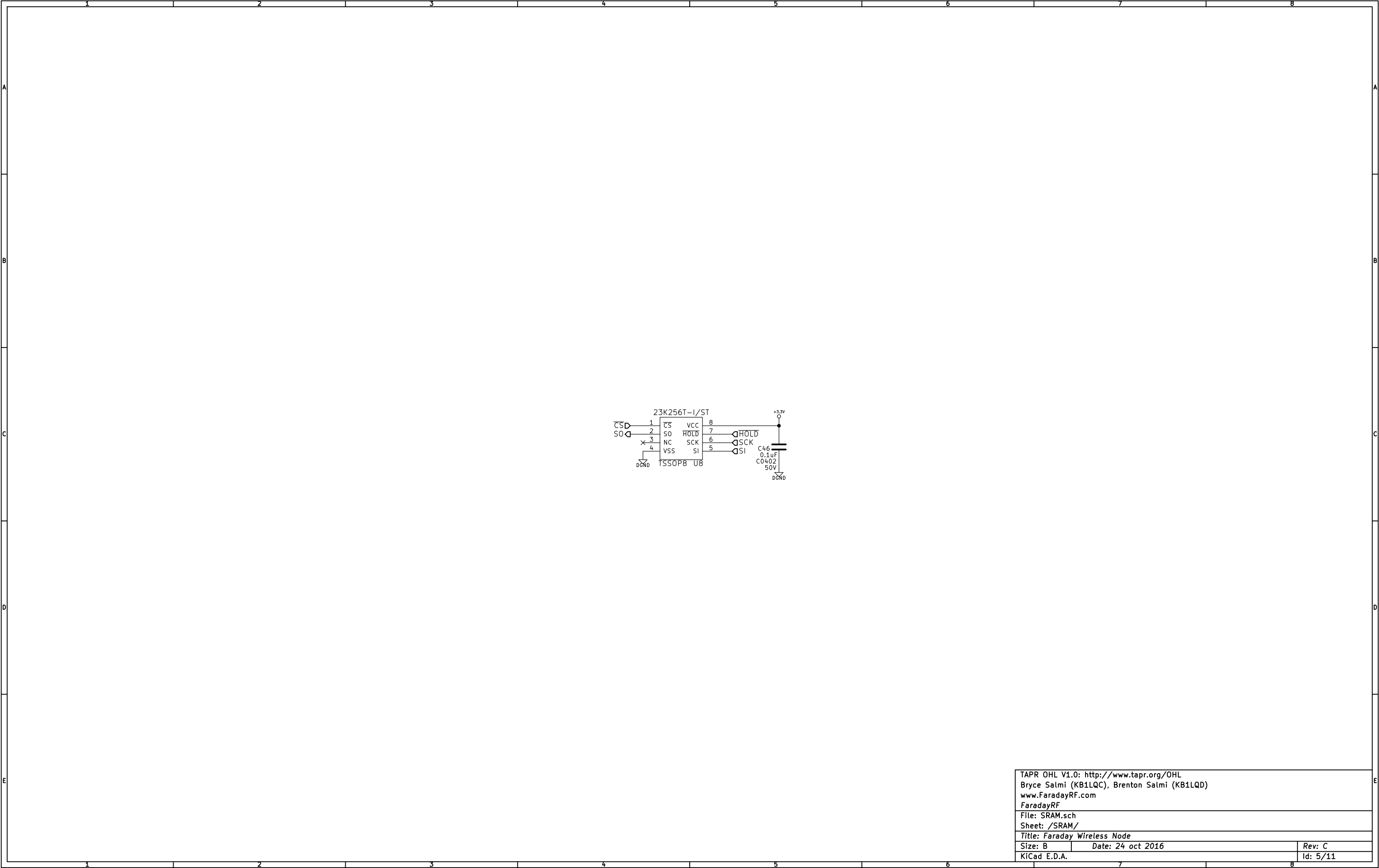
Title: Faraday Wireless Node

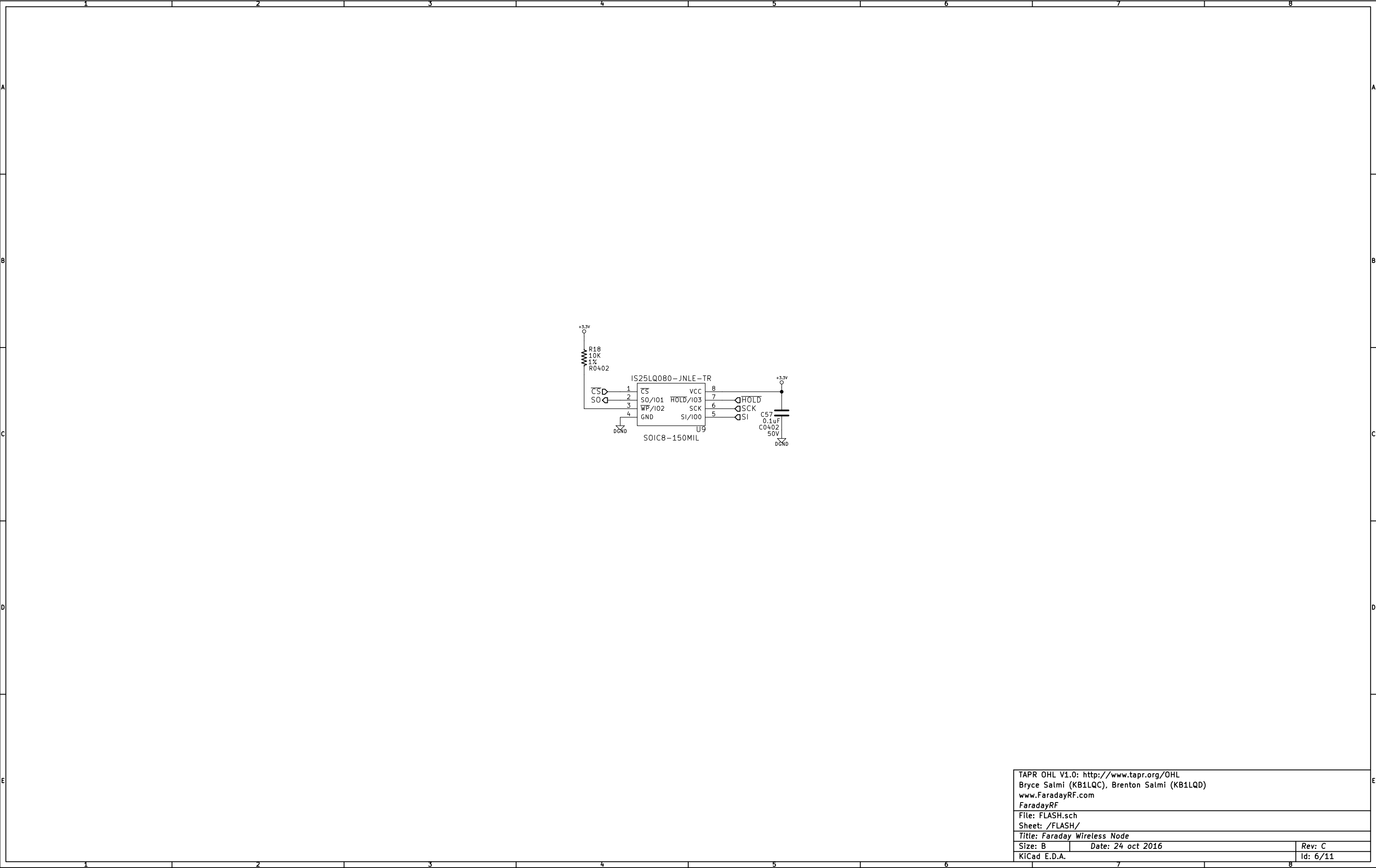
Size: B	Date: 24 oct 2016
---------	-------------------

KiCad E.D.A.

Rev: C

4/11





Reference Design:
<http://www.ti.com/tool/cc1101-cc1190em915rd>
Download User Guide ZIP for PDF Schematic

