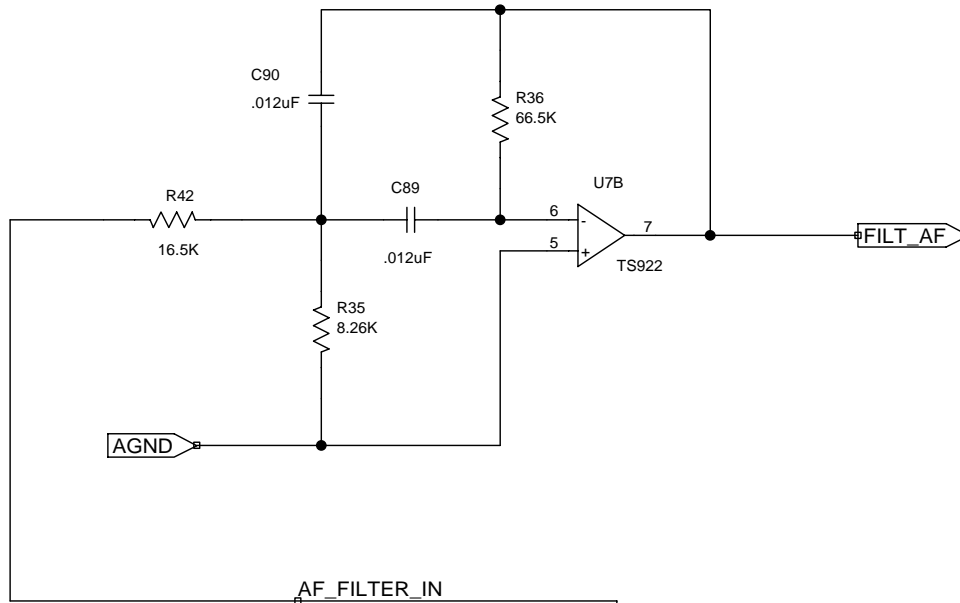


Title		
openQRP Transceiver - Receiver 1st/2nd Mixers & Detector		
Author		
Steven T Elliott		
www.openQRP.org		
File		Document
\\_RevD\openQRP_R03\openQRP_SCH_R03.dsn		
Revision	Date	Sheets
D	10/5/2011	1 of 9

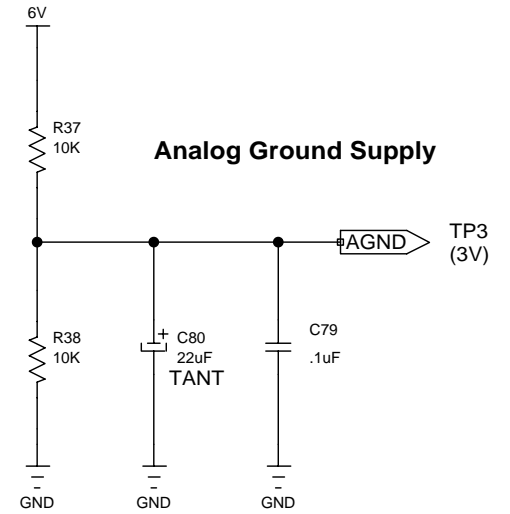
40M Values Shown

40M Values Shown

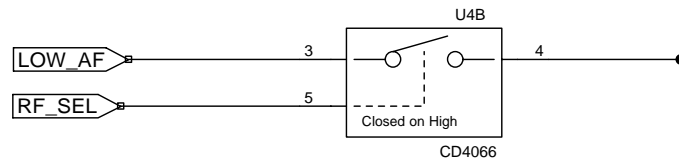
### Active Audio Filter (690 Hz)



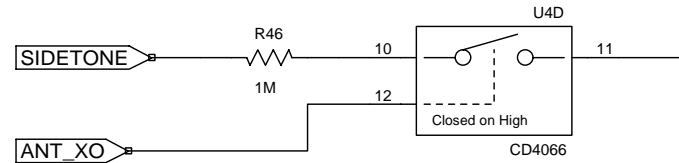
### Analog Ground Supply



### Recovered Audio Select

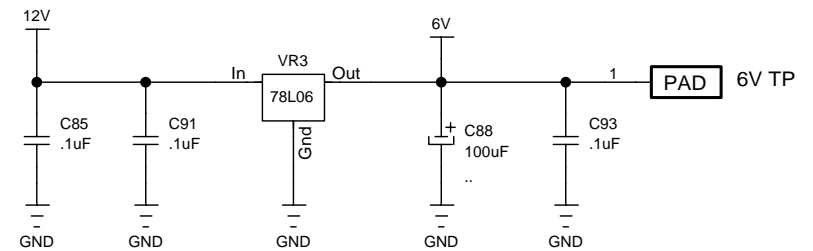


### Sidetone Select

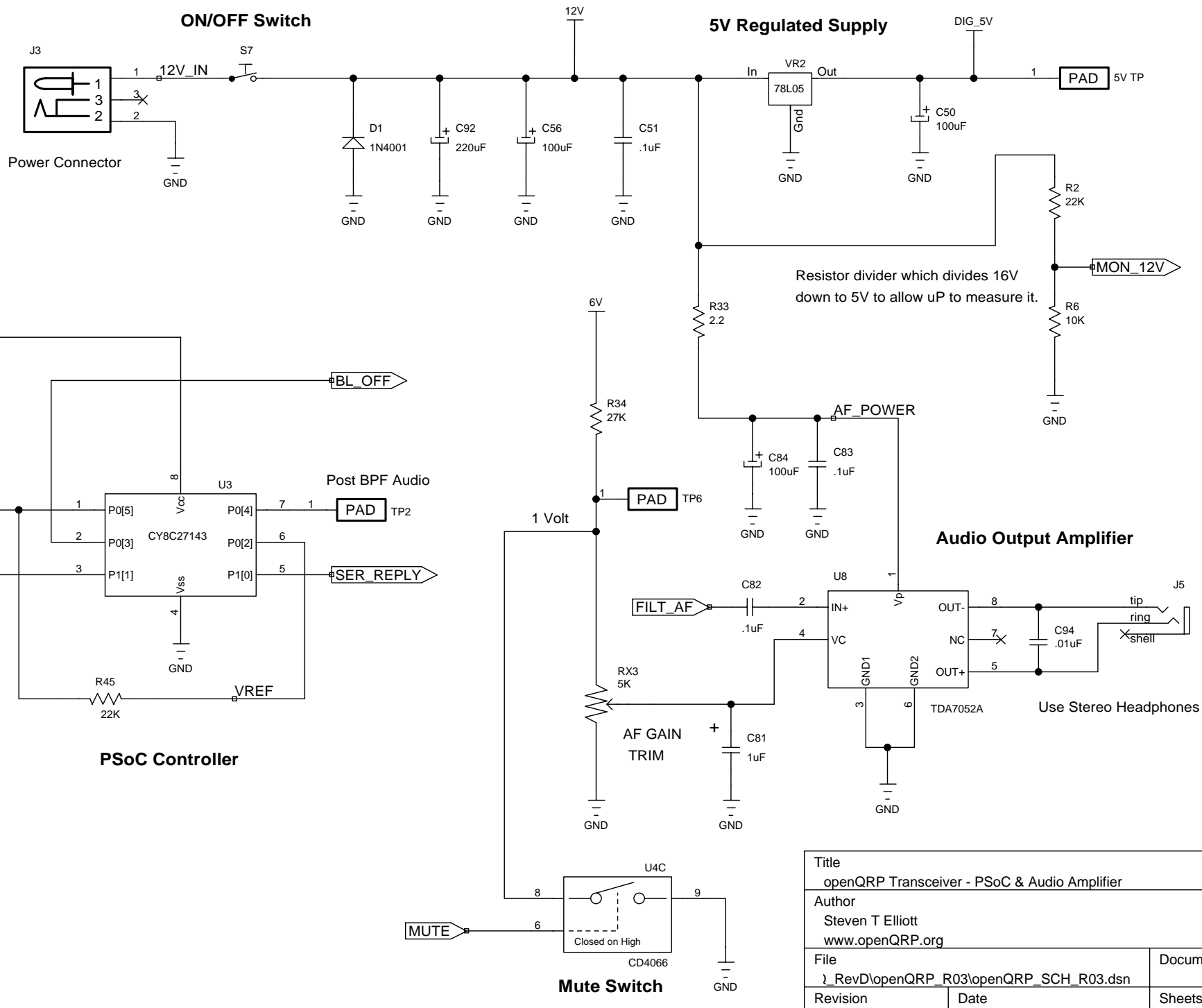


High when transmitting  
Low during receive

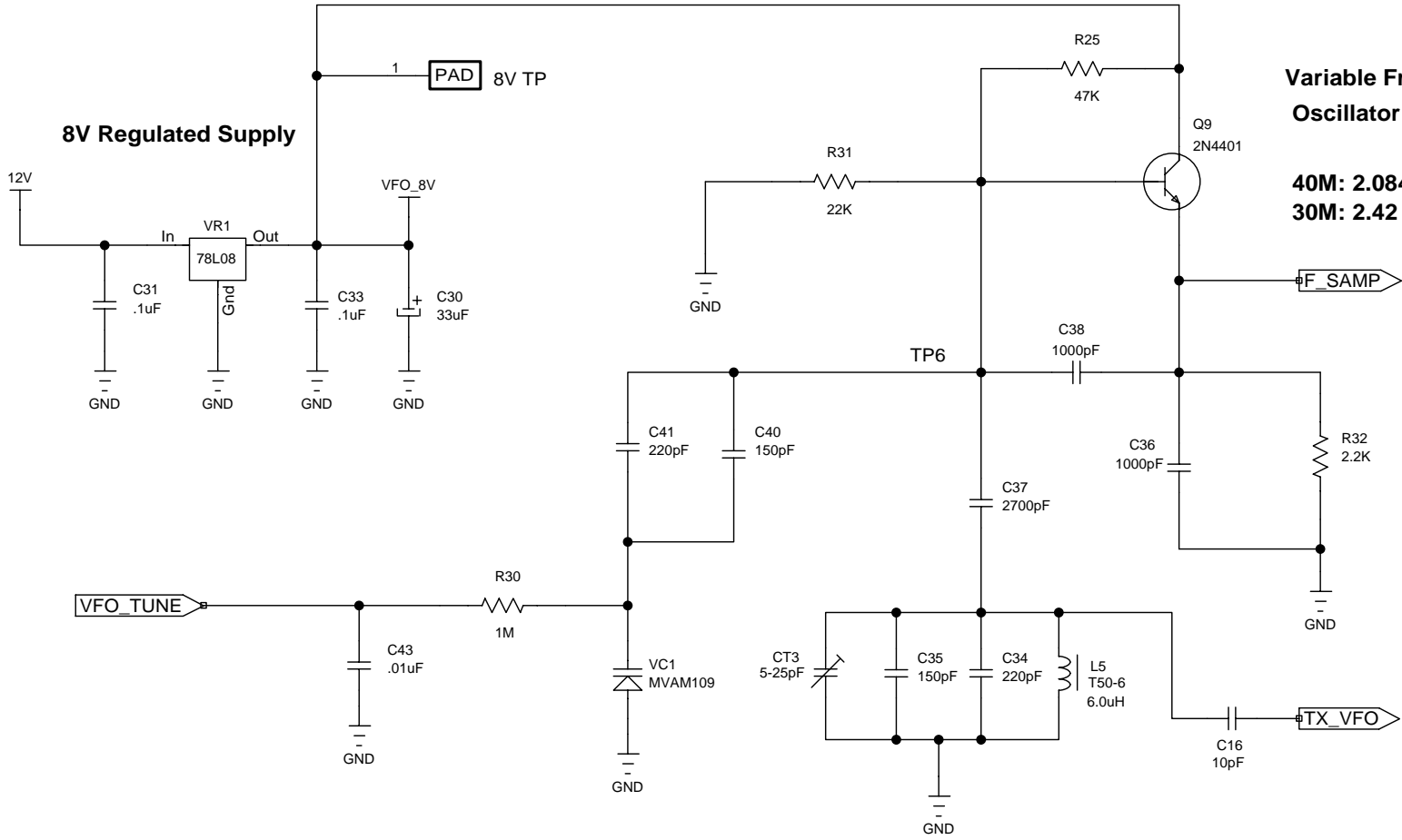
### 6V Regulated Supply



Title		
openQRP Transceiver - Four Pole Active Filter		
Author		
Steven T Elliott www.openQRP.org		
File	Document	
\\_RevD\openQRP_R03\openQRP_SCH_R03.dsn		
Revision	Date	Sheets
D	10/5/2011	2 of 9



Title openQRP Transceiver - PSoc & Audio Amplifier		
Author Steven T Elliott www.openQRP.org		
File _RevD\openQRP_R03\openQRP_SCH_R03.dsn	Document	
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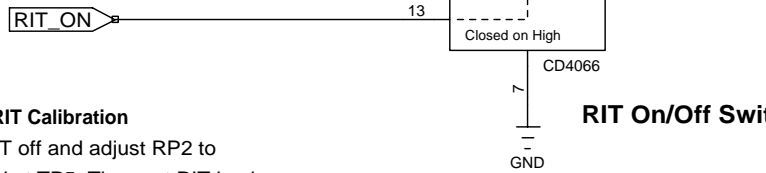
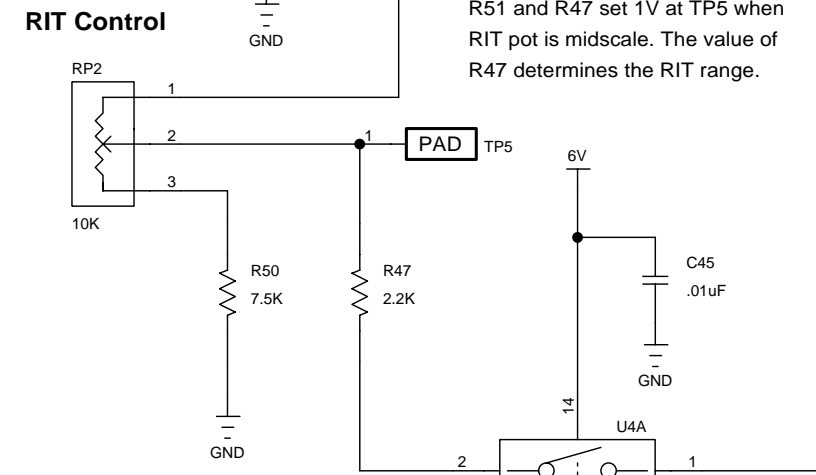
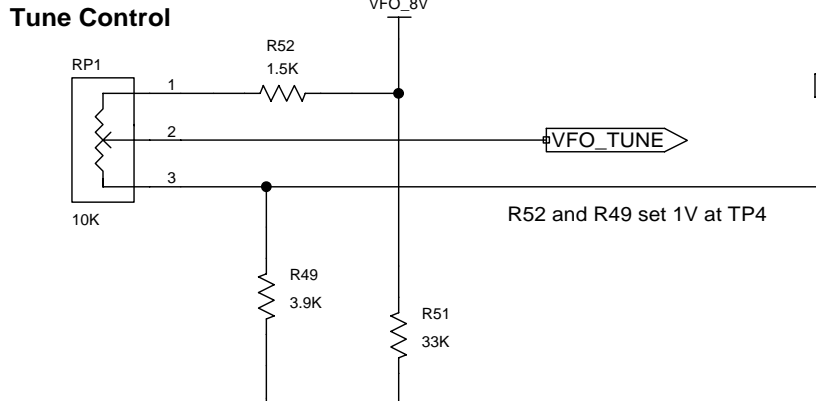
**Variable Frequency Oscillator**

**40M: 2.084 MHz  
30M: 2.42 MHz**

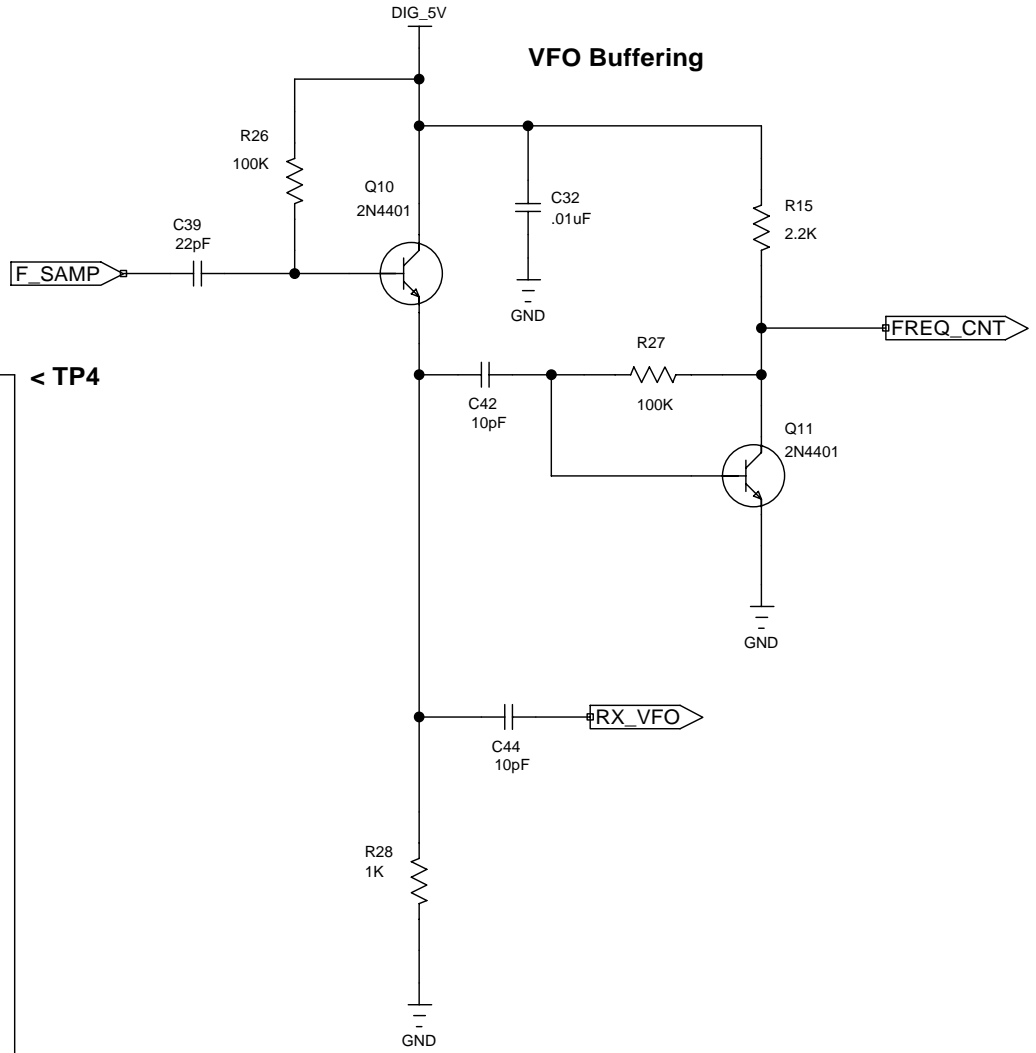
**40M Values Shown**

Title openQRP Transceiver - VFO with Varactor Tuning		
Author Steven T Elliott www.openQRP.org		
File \\_RevD\openQRP_R03\openQRP_SCH_R03.dsn		Document
Revision D	Date 10/5/2011	Sheets 4 of 9

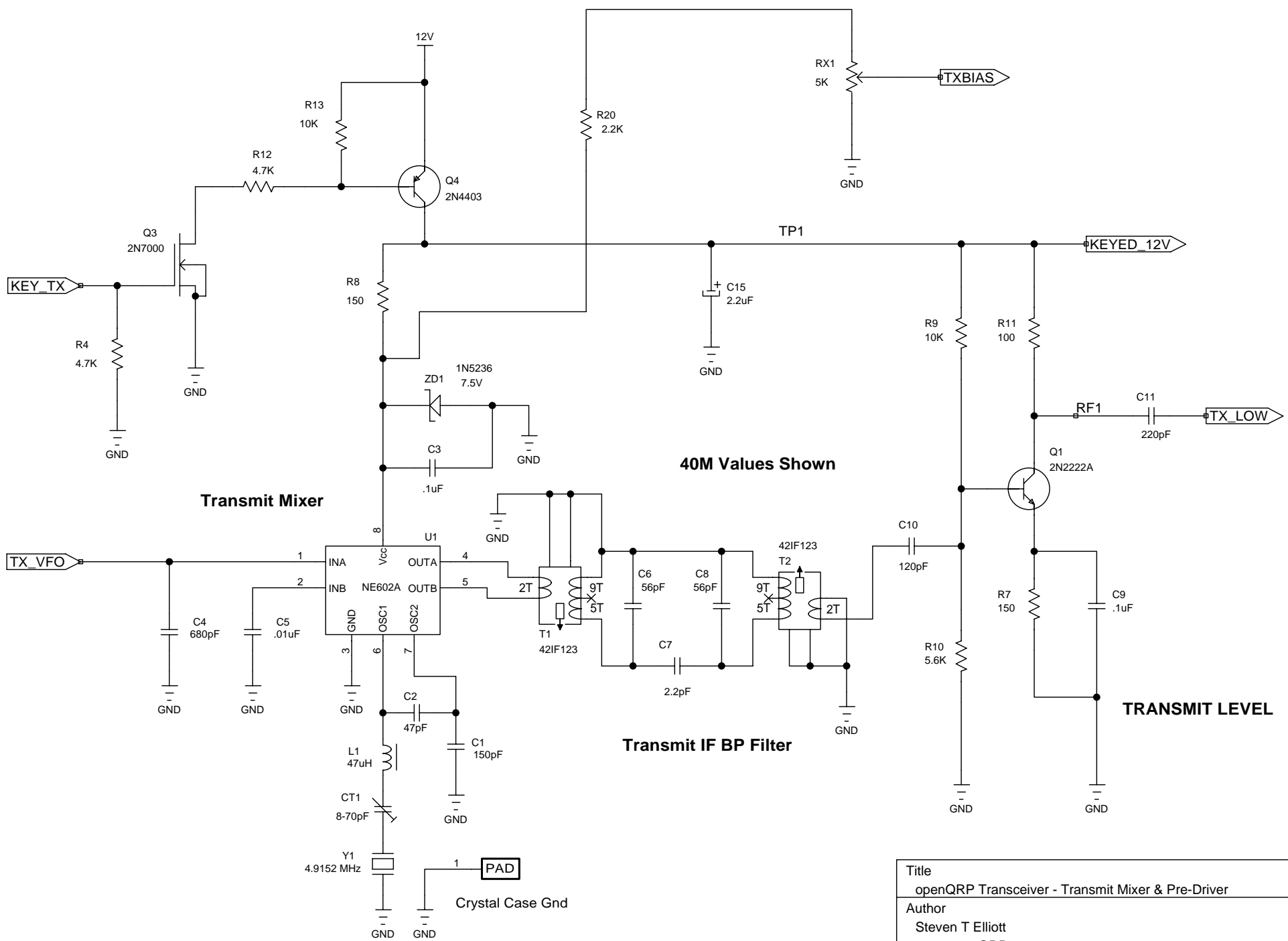
### TUNE and RIT Controls



**RIT Calibration**  
 Turn RIT off and adjust RP2 to get 1.0V at TP5. Then set RIT knob so that its arrow is centered.



Title openQRP Transceiver - VFO Buffer Amp		
Author Steven T Elliott www.openQRP.org		
File _RevD\openQRP_R03\openQRP_SCH_R03.dsn	Document	
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**Transmit Mixer**

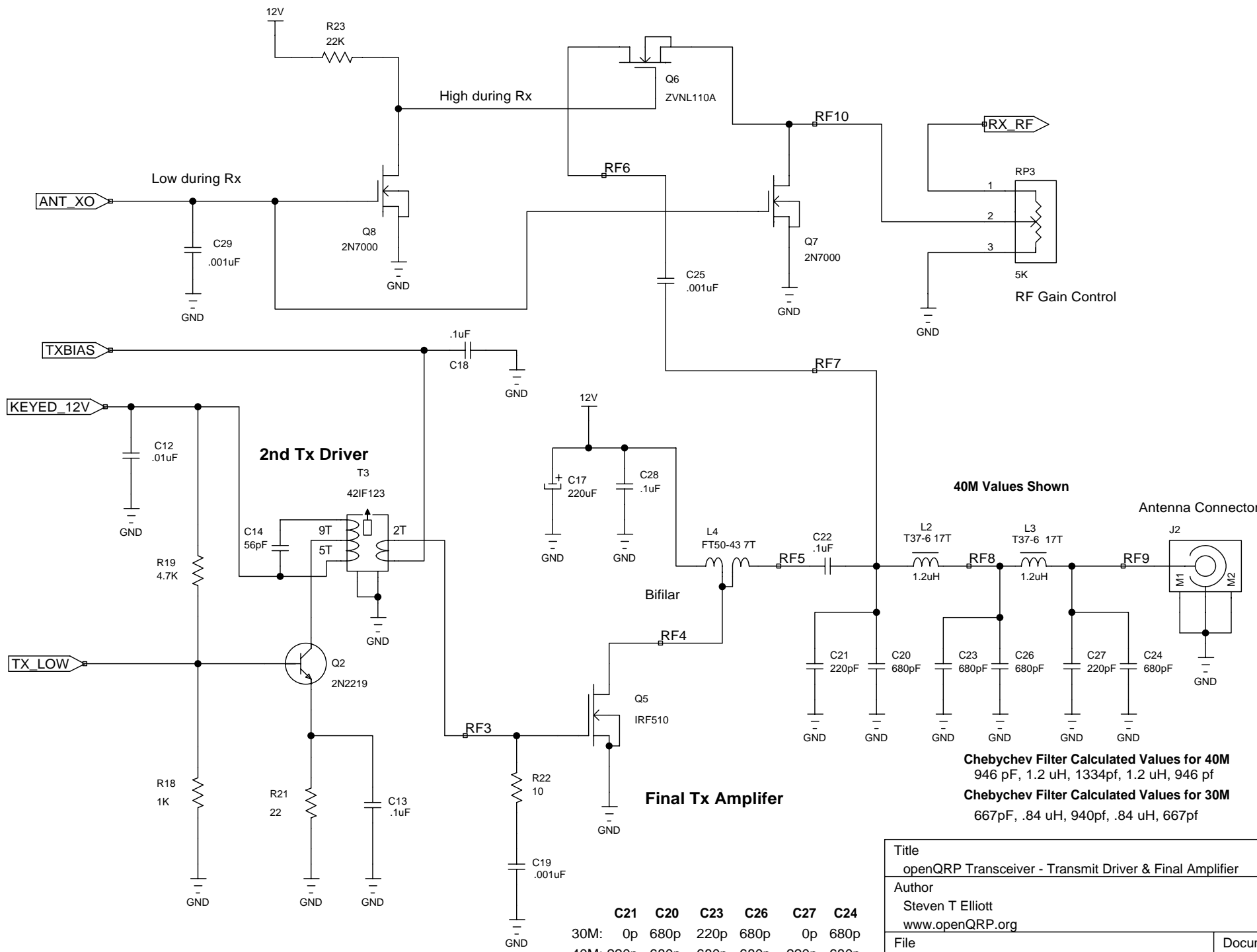
40M Values Shown

**Transmit IF BP Filter**

**TRANSMIT LEVEL**

Title		
openQRP Transceiver - Transmit Mixer & Pre-Driver		
Author		
Steven T Elliott		
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File	Document	
\\_RevD\openQRP_R03\openQRP_SCH_R03.dsn		
Revision	Date	Sheets
D	10/5/2011	6 of 9

Crystal Case Gnd

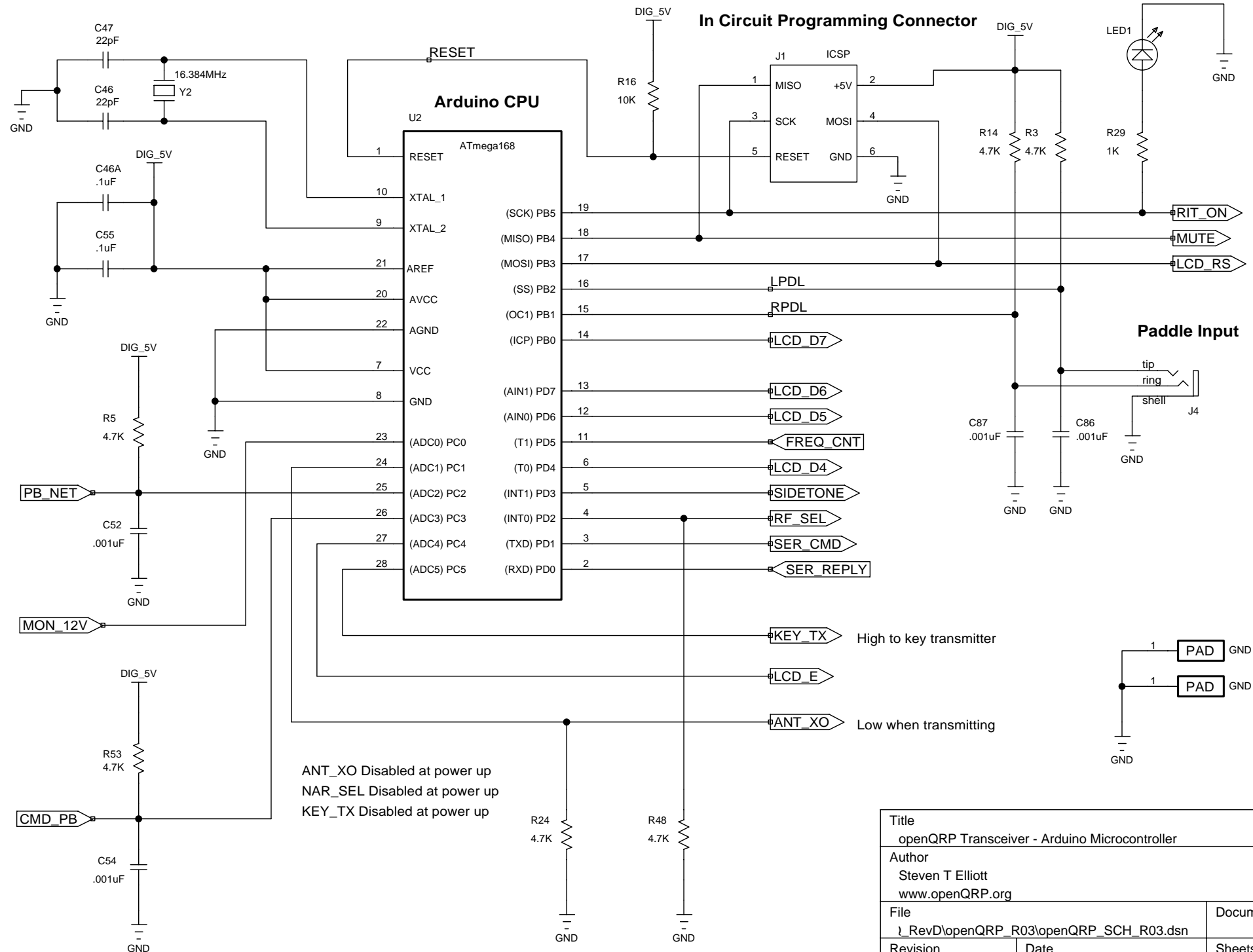


40M Values Shown

**Chebyshev Filter Calculated Values for 40M**  
 946 pF, 1.2 uH, 1334pf, 1.2 uH, 946 pf  
**Chebyshev Filter Calculated Values for 30M**  
 667pF, .84 uH, 940pf, .84 uH, 667pf

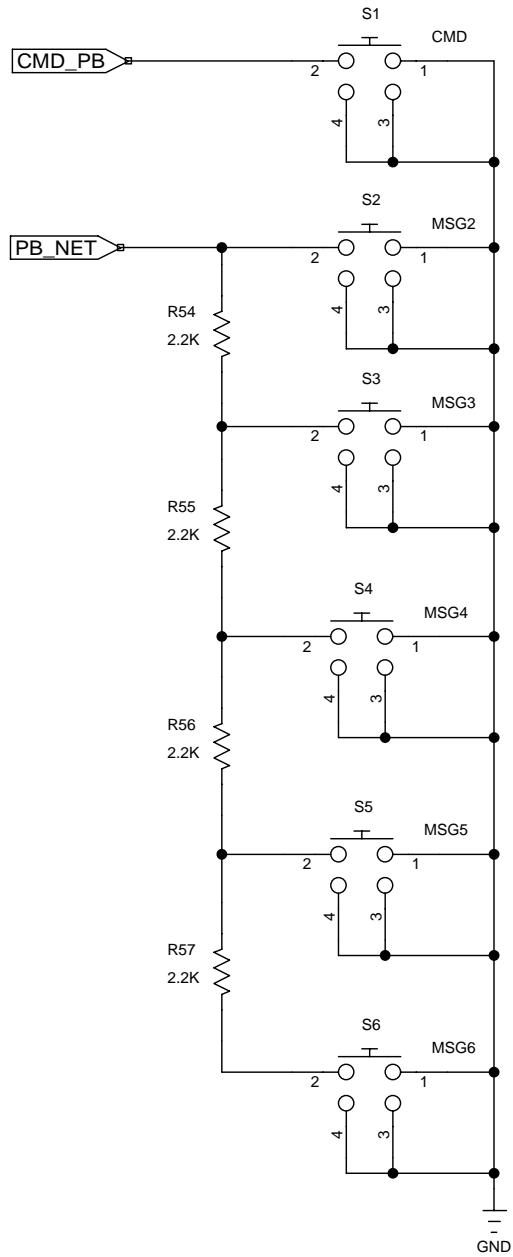
	C21	C20	C23	C26	C27	C24
30M:	0p	680p	220p	680p	0p	680p
40M:	220p	680p	680p	680p	220p	680p

Title openQRP Transceiver - Transmit Driver & Final Amplifier		
Author Steven T Elliott www.openQRP.org		
File _RevD\openQRP_R03\openQRP_SCH_R03.dsn	Document	
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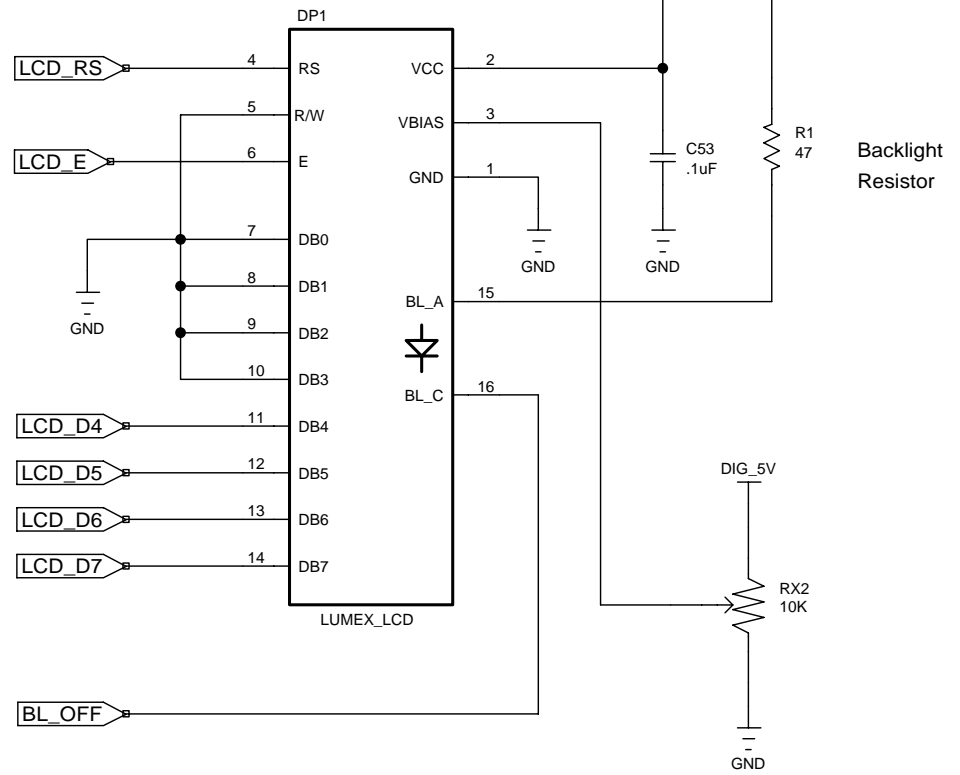


Title		
openQRP Transceiver - Arduino Microcontroller		
Author		
Steven T Elliott www.openQRP.org		
File	Document	
\\_RevD\openQRP_R03\openQRP_SCH_R03.dsn		
Revision	Date	Sheets
D	10/5/2011	8 of 9

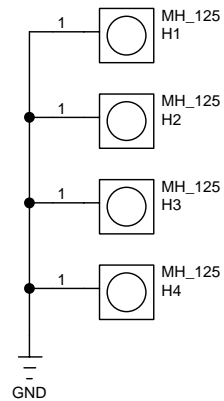
### Front Panel Pushbutton Switches



### LCD Display



### Mounting Holes



Title openQRP Transceiver - LCD Display & Pushbutton Switches		
Author Steven T Elliott www.openQRP.org		
File _RevD\openQRP_R03\openQRP_SCH_R03.dsn	Document	
Revision D	Date 10/5/2011	Sheets 9 of 9