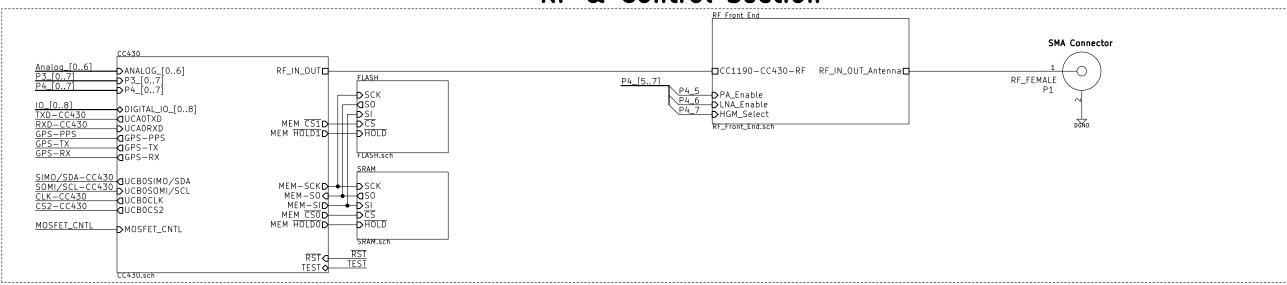
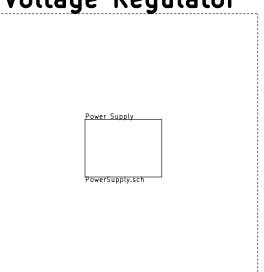
FaradayRF Wireless Module

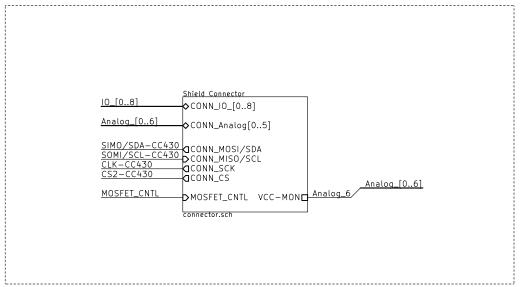
RF & Control Section



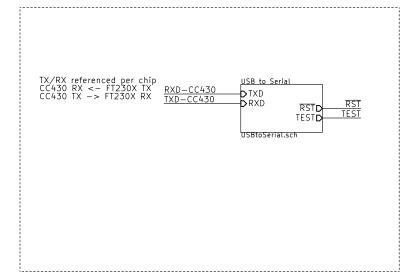




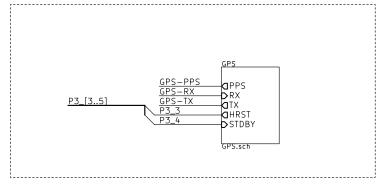
Connectors



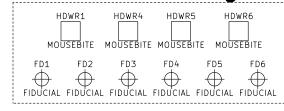
USB <-> UART



GPS Receiver



Manufacturing

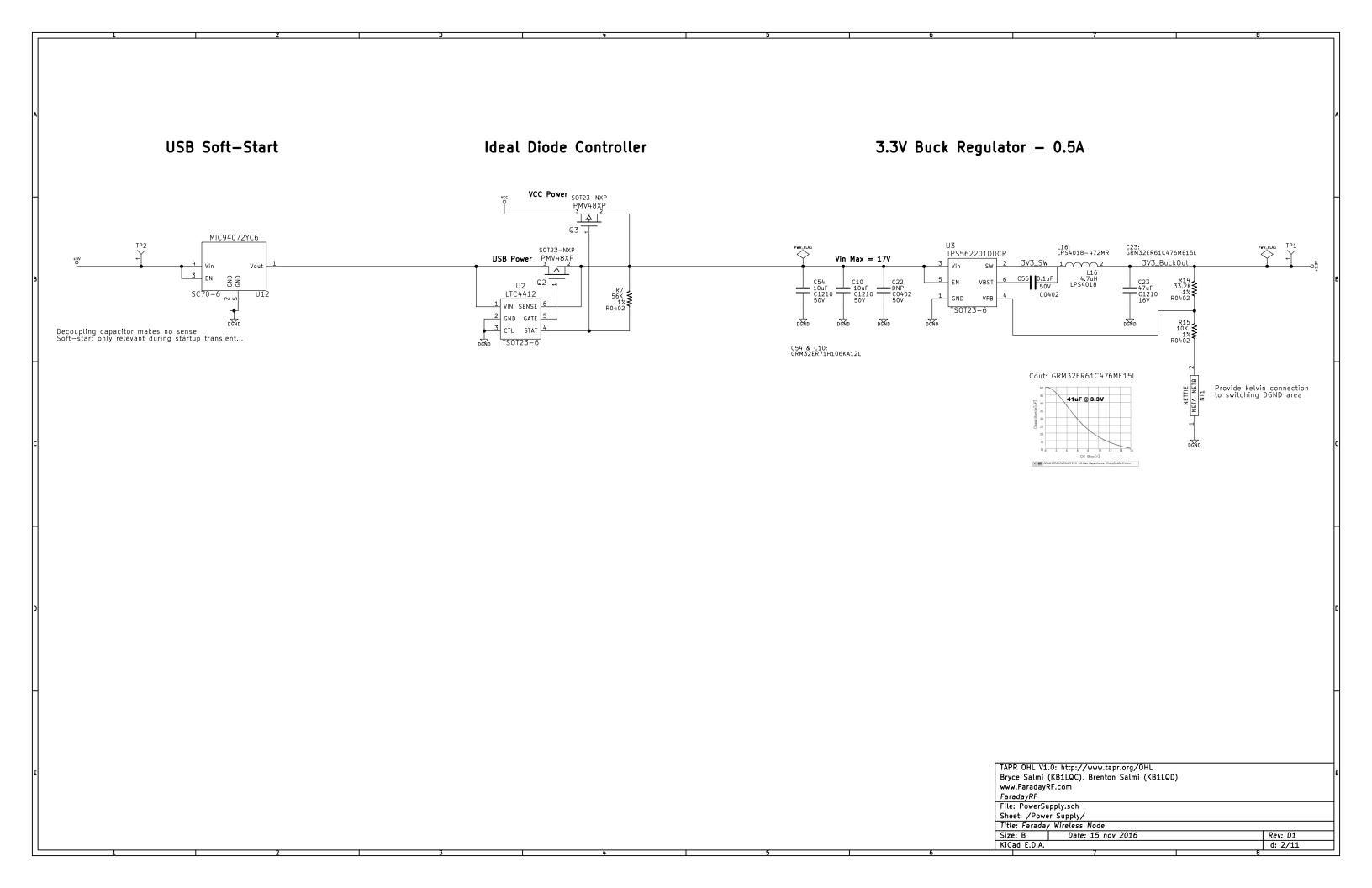


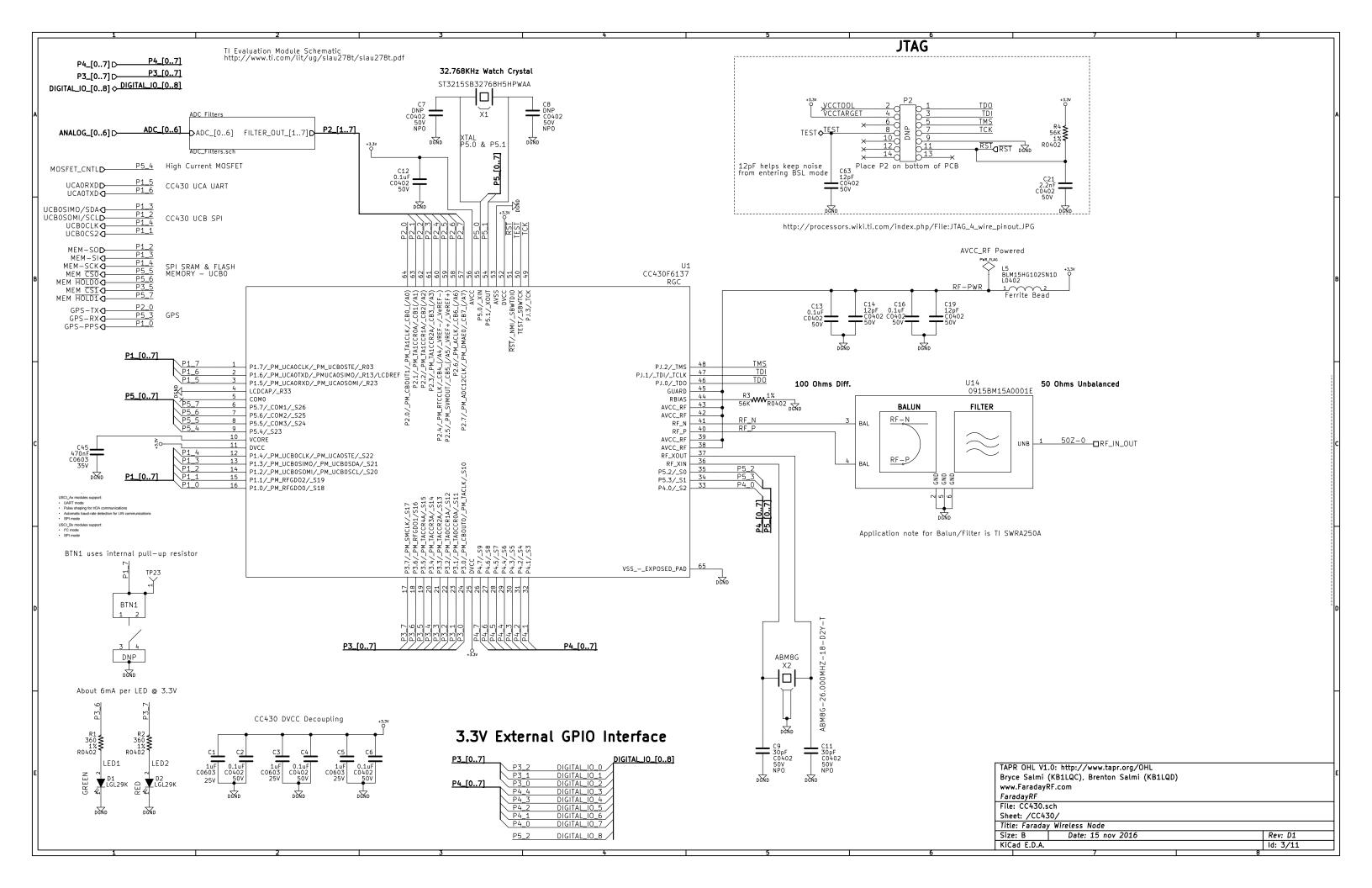
P B



open source hardware

TAPR OHL V1.0: http://www.tapr.org/OHL Bryce Salmi (KB1LQC), Brenton Salmi (KB1LQD) www.FaradayRF.com FaradayRF				
	File: Faraday	.sch		
Sheet: /				
	Title: Faraday	y Wireless Node		
	Size: B	Date: 15 nov 2016		Rev: D1
	KiCad E.D.A.	KiCad E.D.A.		ld: 1/11
		7	8	





16 Hz ADC Filters Filter channels flipped for routing! FILTER_OUT_[1..7] ADC_[0..6]D-ADC_6 used for VCC Monitor ADC_6 R24 MM10K R0402 MM1% FILTER_OUT_1 C47 1uF C0603 25V FILTER_OUT_2 ADC_5 R25 R0402 1% C49 1uF C0603 25V CC430 Internal ESD Diodes Imax = 2mA 24V max VCC just barely above 2mA ⊕40mW dissipation C50 1uF C0603 25V ADC2 intended for microphone input FILTER_OUT_5/ ESD caution advised with ADC2 FILTER_OUT_6 C52 1uF C0603 25V R30 R0402 WW1% FILTER_OUT_7/ TAPR OHL V1.0: http://www.tapr.org/OHL Bryce Salmi (KB1LQC), Brenton Salmi (KB1LQD) www.FaradayRF.com www.raradaykr.com Faradaykr File: ADC_Filters.sch Sheet: /CC430/ADC Filters/ Title: Faraday Wireless Node Size: B Date: 15 nov 2016 KiCad E.D.A. Rev: D1 ld: 4/11

