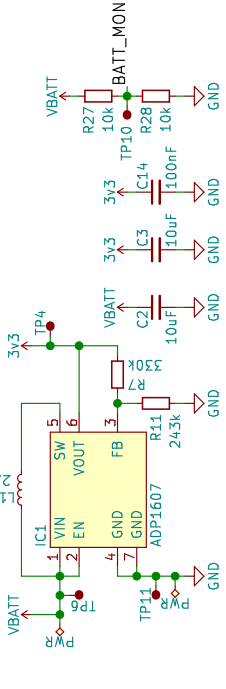
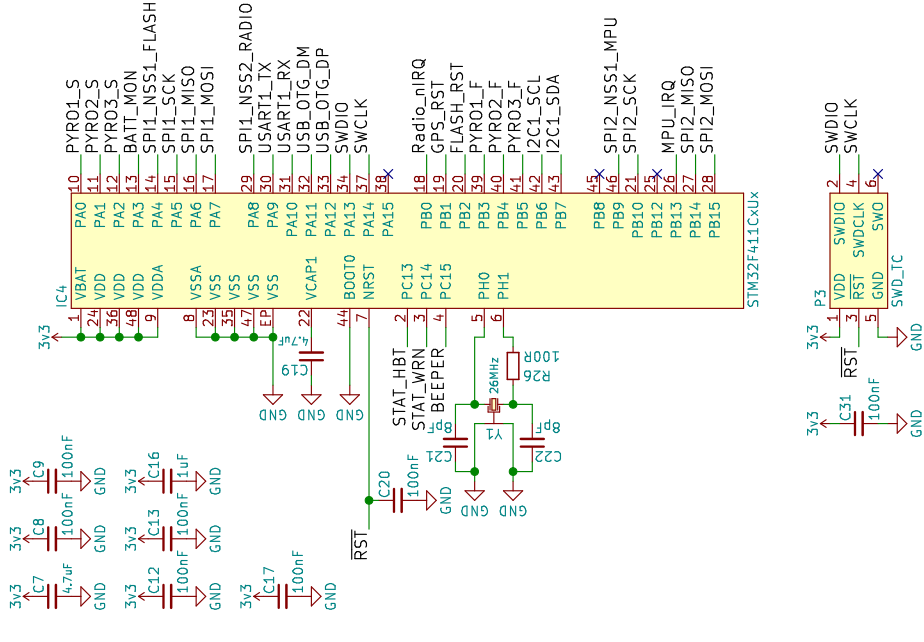


Boost Converter:

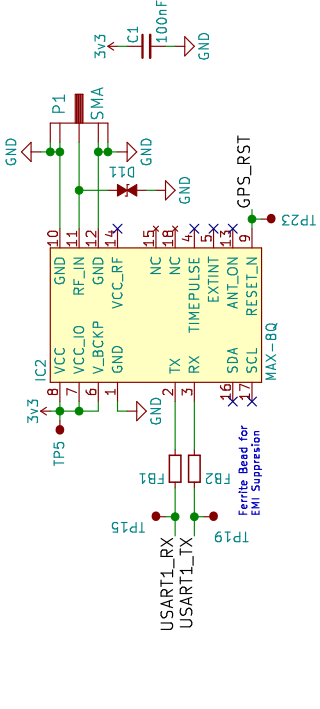


Input Voltage Range: 0.8v to Vout
Nominal Input Voltage: 1.3v to 1.5v
Nominal Output Current: **Max 300mA** @ Vout = 3.3v, Vin = 1.3v
Device Requirements: **3.3v @ 160mA**
Battery: Energizer L91 AA - Cap = 3500mAh, Vin = 1.3v Min
Vout = 1.259*(1+R1/R2) + 1uA*R1 = **3.2988v** w/ R1 = 330k R2 = 243k

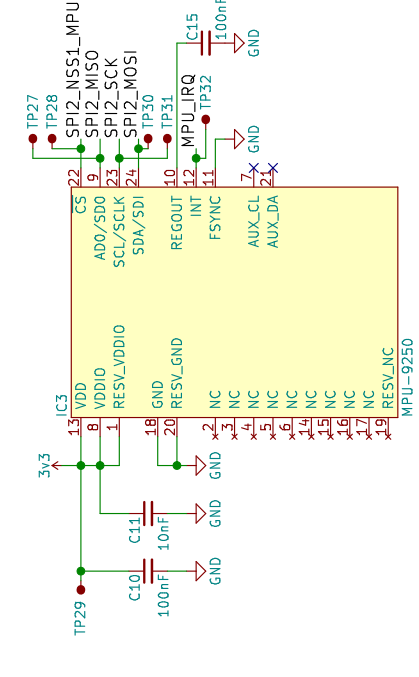
Flight Computer:



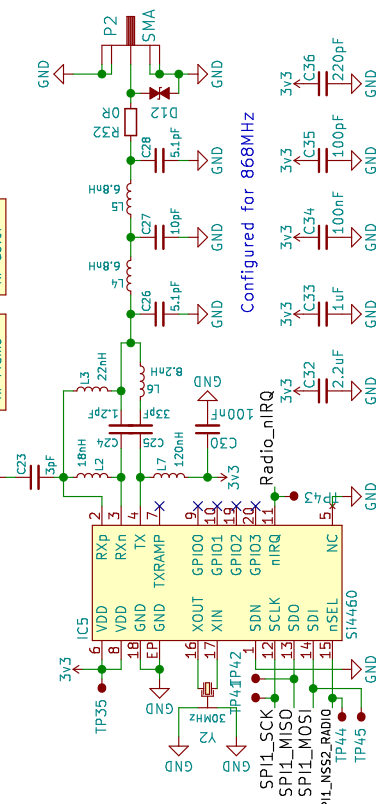
GPS:



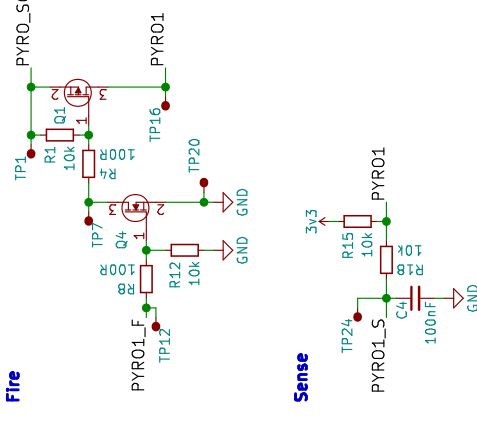
IMU:



Radio:



Pyro Channels:



Pyro Channel 1

Pyro Channel 2

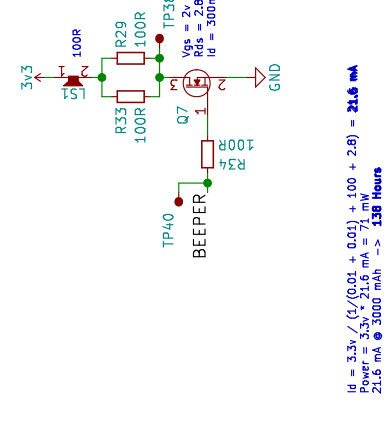
Pyro Channel 3

External Connectors:

Status LEDs:

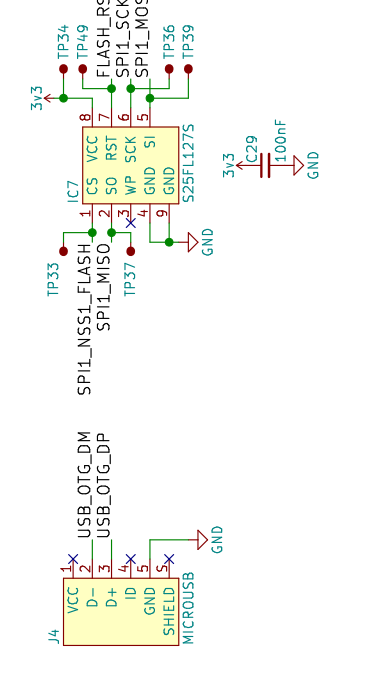
COMPLETE

Alarm:



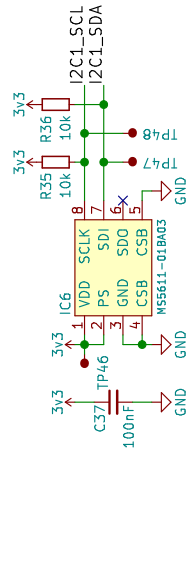
COMPLETE

Datalogging:



COMPLETE

Barometer:



External Parts:

X1	434MHz ANT	X2	Red LED	X3	AA Battery	X4	AA Holder	X5	ARM Switch	X6	Wire	X7	Heat Shrink	X17	Heat Shrink	X18	Heat Shrink
X8	Housing x1	X9	Housing x4	X10	Housing x1	X11	Housing x3	X12	M Crimps x6	X13	F Crimps x17	X14	Crimp Tool	X19	Heat Shrink		
Notes:																	
X1 434MHz Stubby Radio Antenna																	
X2 Red Indicator LED for Pyro Arming																	
X3 Red Indicator LED for Lithium Ultimate AA																	
X4 AA Battery Holder																	
X5 Key Switch for Arming Pyrotechnics																	
X6 Wire																	
X7 Black Heatshrink																	
X8 3 Pin Housing																	
X9 6 Pin Housing																	
X10 6 Pin Housing																	
X11 2 Pin Receptacle																	
X12 Male Crimps																	
X13 Female Crimps																	
X14 Crimp Tool																	
X17 Red Heatshrink																	
X18 Blue Heatshrink																	
X19 Yellow Heatshrink																	

Matthew Coates
Cambridge University Spaceflight

Sheet: /
File: Jarvis.sch

Title: Jarvis Flight Computer

Size: A3 | Date: 2016-03-31

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Rev: 1

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