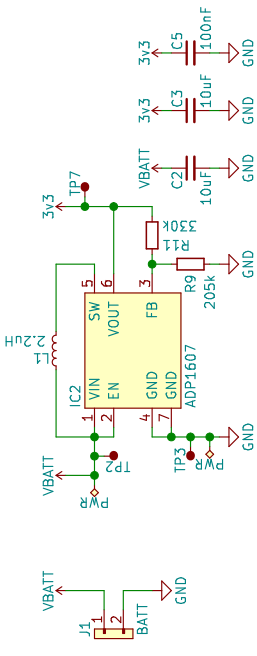
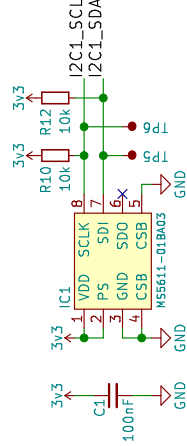


Boost Converter:

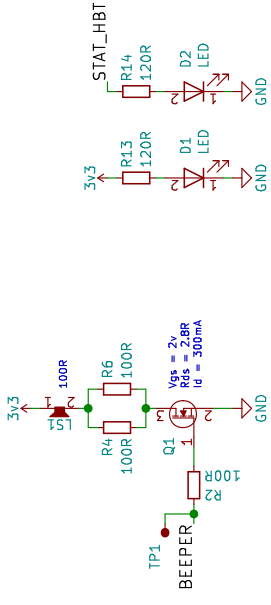


Input Voltage Range: 0.8v to Vout
Nominal Input Voltage: 1.3v to 1.5v
Nominal Output Current: Max 300mA @ Vout = 3.3v, Vin = 1.3v
Device Requirements: 3.3v @ 160mA
Battery: Energizer J91 AA - Cap = 3500mAh, Vin = 1.3v Min
Vout = 1.259*(1+R1/R2) + 0.1uA*R1 = 3.32v w/ R1 = 330k R2 = 205k

Barometer:

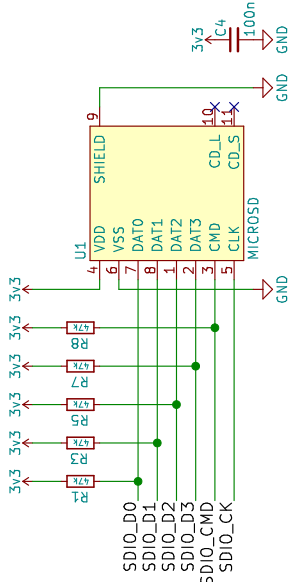


Indicators:



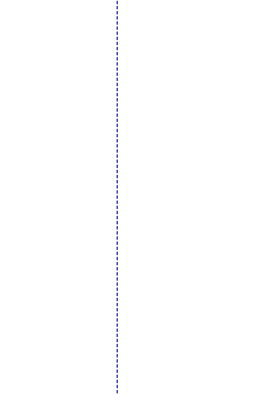
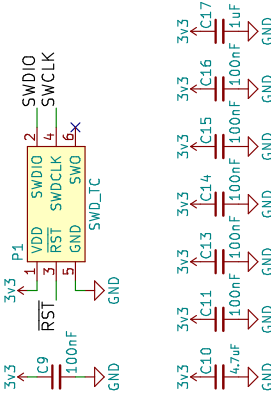
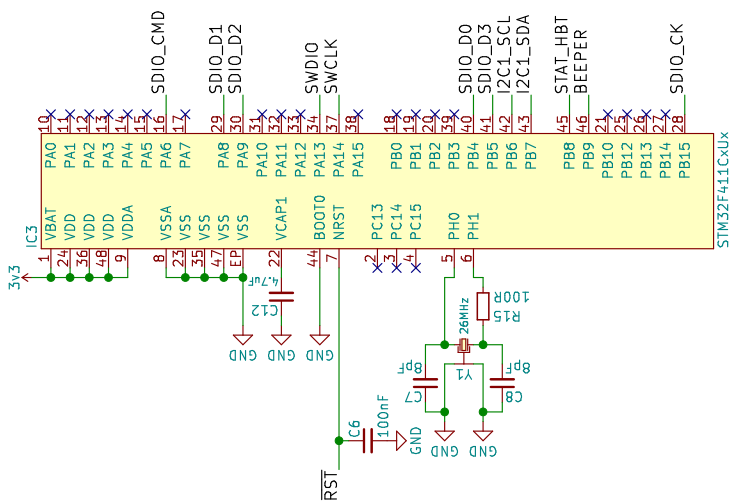
Id = 3.3v / (1/(0.01 + 0.01) + 100 + 2.8) = 21.6 mA
Power = 3.3v * 21.6 mA = 71 mW
21.6 mA @ 3000 mAh -> 138 Hours

SD Card:



X1 M3 Hole
X2 M3 Hole

Flight Computer:



COMPLETE

CUSF - Matt Coates

Sheet: /
File: altimeter.sch

Title: Altimeter

Size: A3

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Date: 2017-10-26
Id: 1/1

Rev: 1