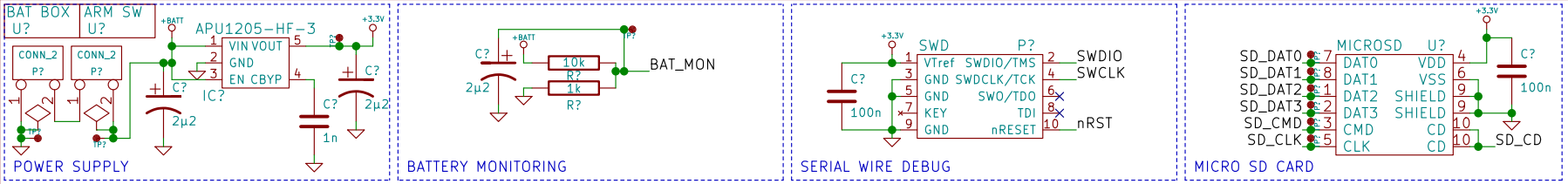

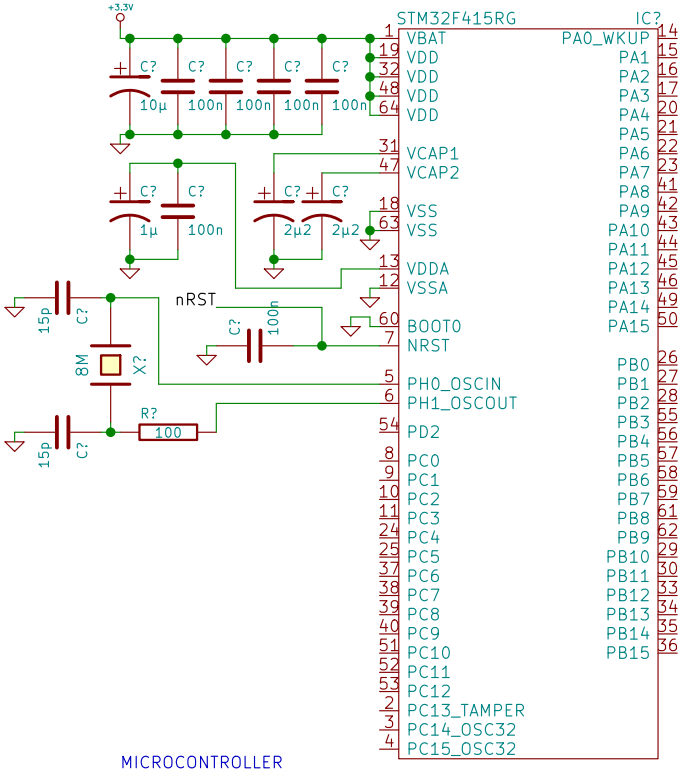

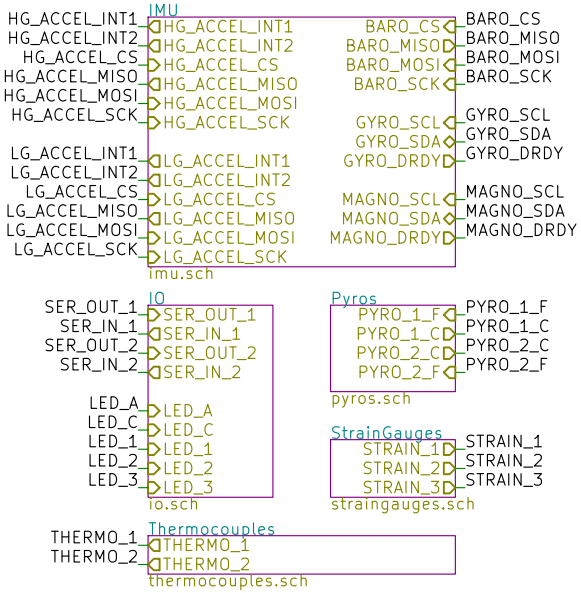

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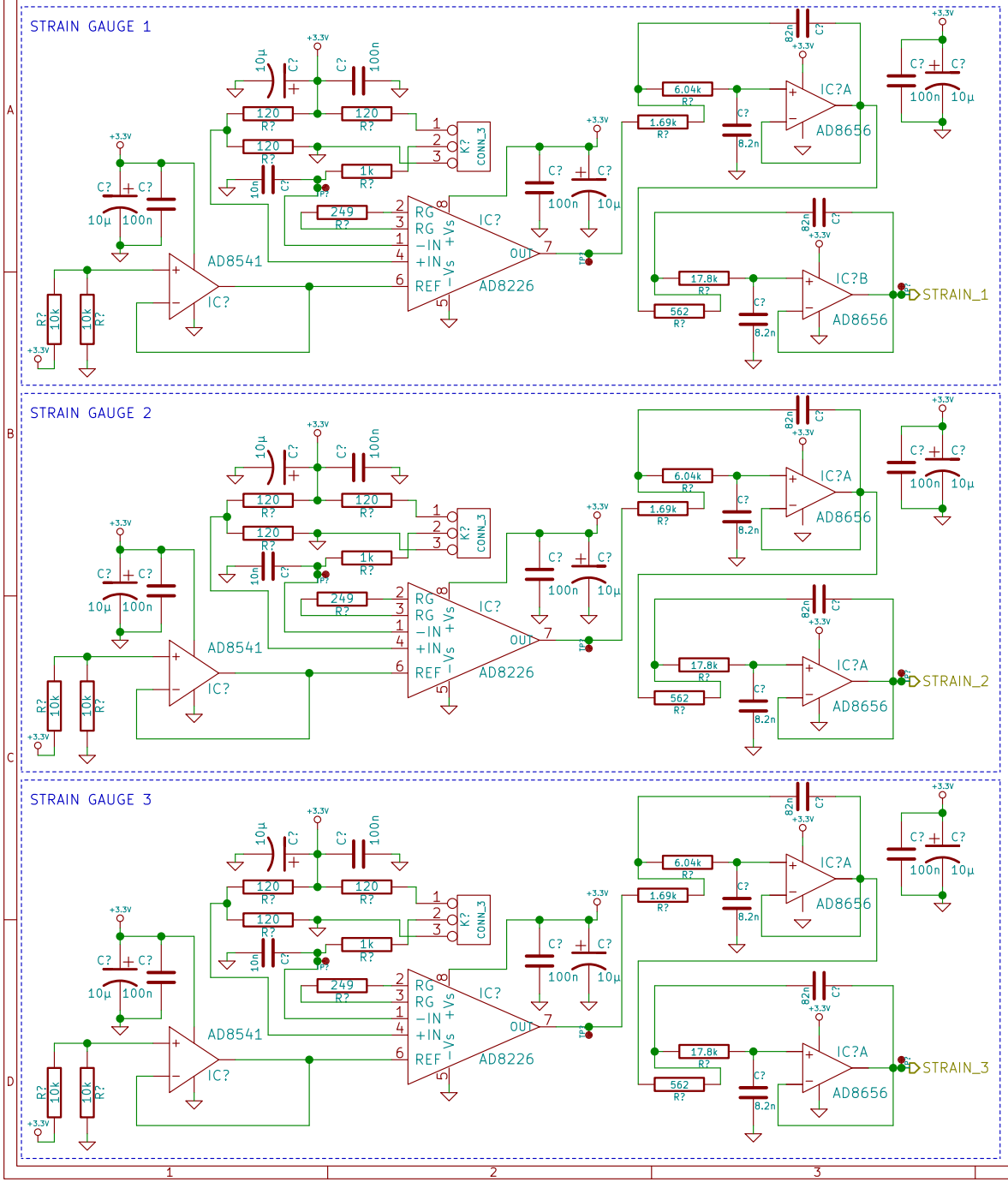
Sheet: /

File: m2fc.sch

Title: Martlet 2 Flight Computer

Size: A4	Date: 05 Jul 2014	**Rev: 1**
KiCad E.D.A. eeschema (2014-jan-25)-product		Id: 1/6

STRAIN GAUGES



FILTERING
==========
Signals of interest: 0 to 1200Hz
Nyquist: 10kHz
Sample: 20kHz

FRONTEND FILTER

Fc = 1/(2 pi RC) = 16kHz

ANTIALIAS FILTER

-3dB: 2kHz
Rejection at Nyquist: -55dB

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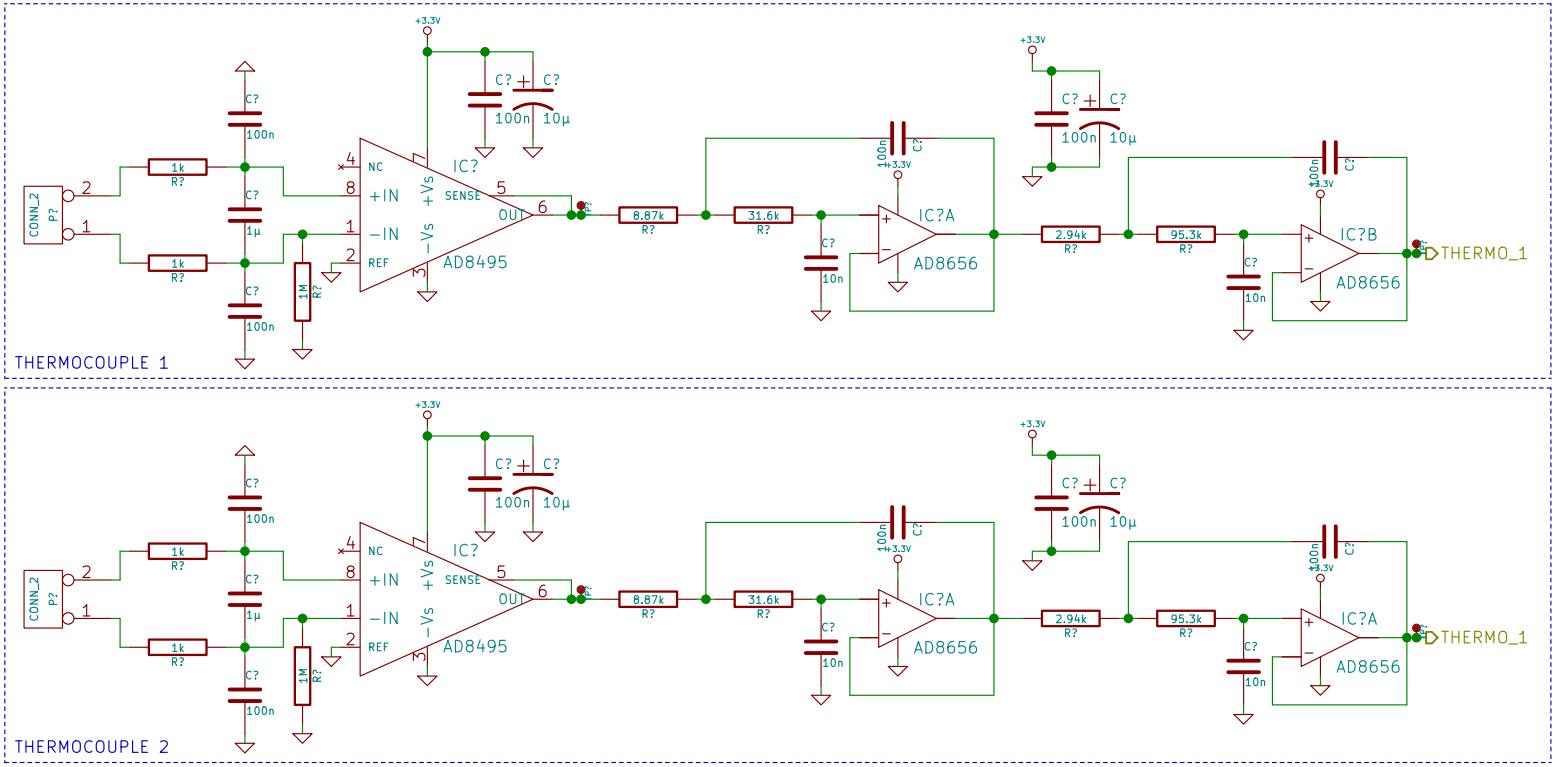
Sheet: /StrainGauges/
File: straingauges.sch

Title: Martlet 2 Flight Computer

Size: A4	Date: 05 Jul 2014	**Rev: 1**
KiCad E.D.A. eeschema (2014-jan-25)-product		Id: 2/6

THERMOCOUPLES



FILTERING
==========
Signals of interest: 0 to 100Hz
Nyquist: 1kHz
Sample: 2kHz

FRONTEND FILTER

Freq, Diff: 1/(2 pi R (2Cc + Cd)) = 132Hz
Freq, CM: 1/(2 pi R Cc) = 1591Hz

ANTIALIAS FILTER

-3dB: 300Hz
Rejection at Nyquist: -40dB

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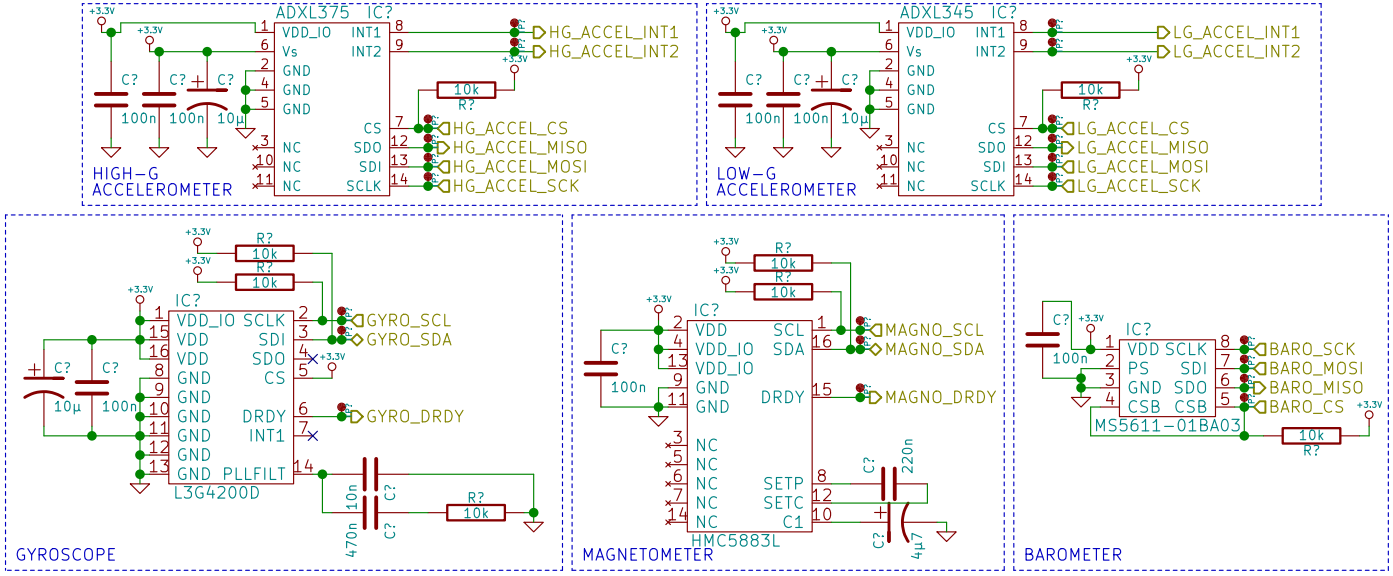
Sheet: /Thermocouples/
File: thermocouples.sch

Title: Martlet 2 Flight Computer

Size: A4	Date: 05 Jul 2014	**Rev: 1**
KiCad E.D.A. eeschema (2014-jan-25)-product		Id: 3/6

Inertial Measurement Unit



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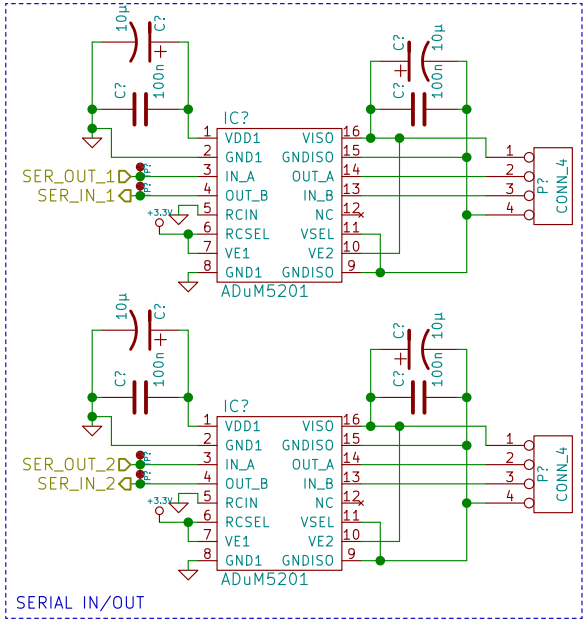
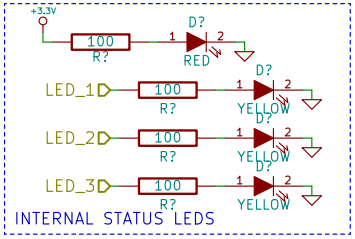
Sheet: /IMU/
File: imu.sch

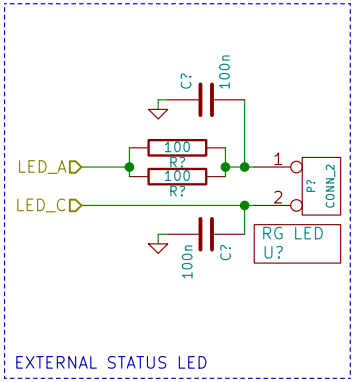
Title: Martlet 2 Flight Computer

Size: A4	Date: 05 Jul 2014	**Rev: 1**
KiCad E.D.A. eeschema (2014-jan-25)-product		Id: 4/6

INPUT/OUTPUT







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Sheet: /IO/		
File: io.sch		
Title: Martlet 2 Flight Computer		
Size: A4	Date: 05 Jul 2014	**Rev: 1**
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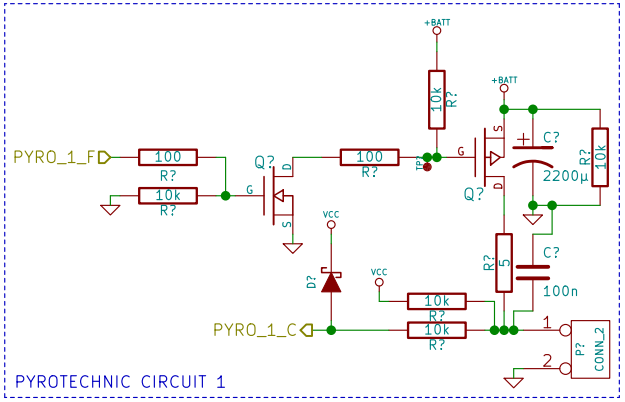
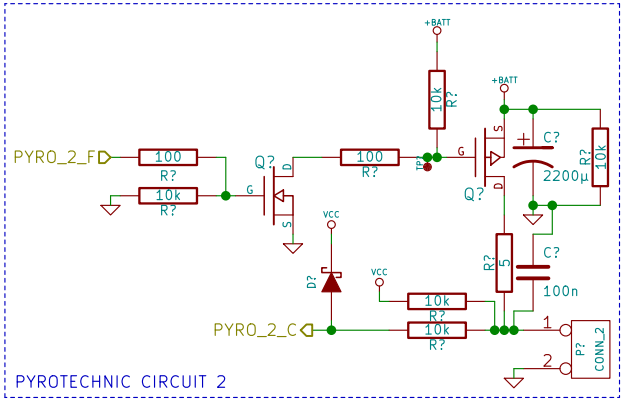
PYROTECHNIC CHANNELS





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Sheet: /Pyros/
File: pyros.sch

Title: Martlet 2 Flight Computer

Size: A4	Date: 05 Jul 2014	**Rev: 1**
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