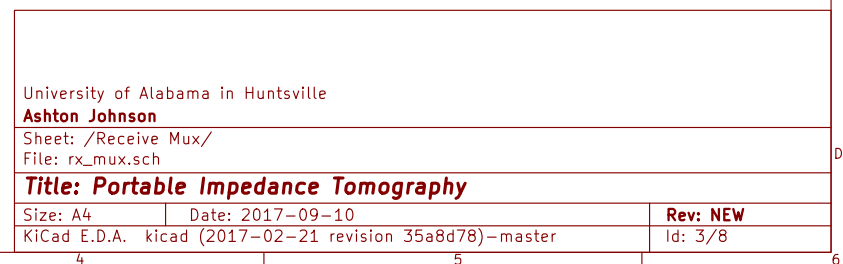
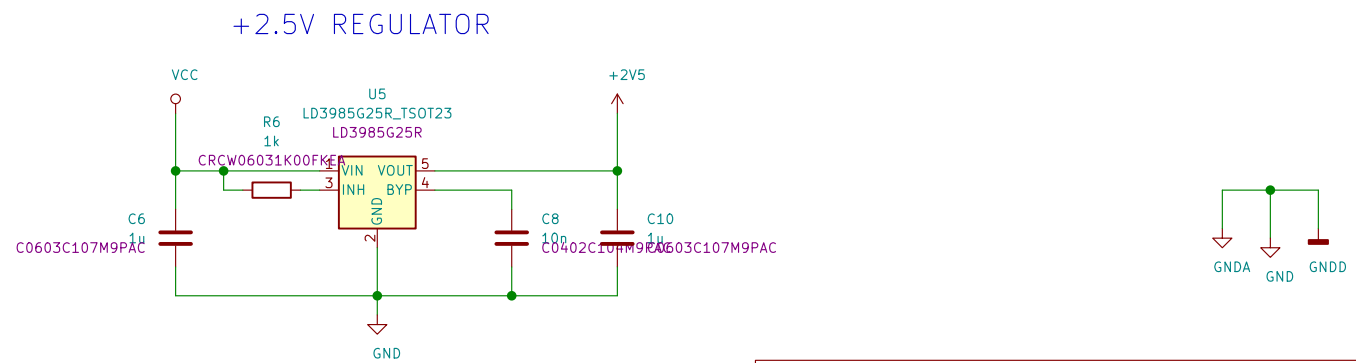
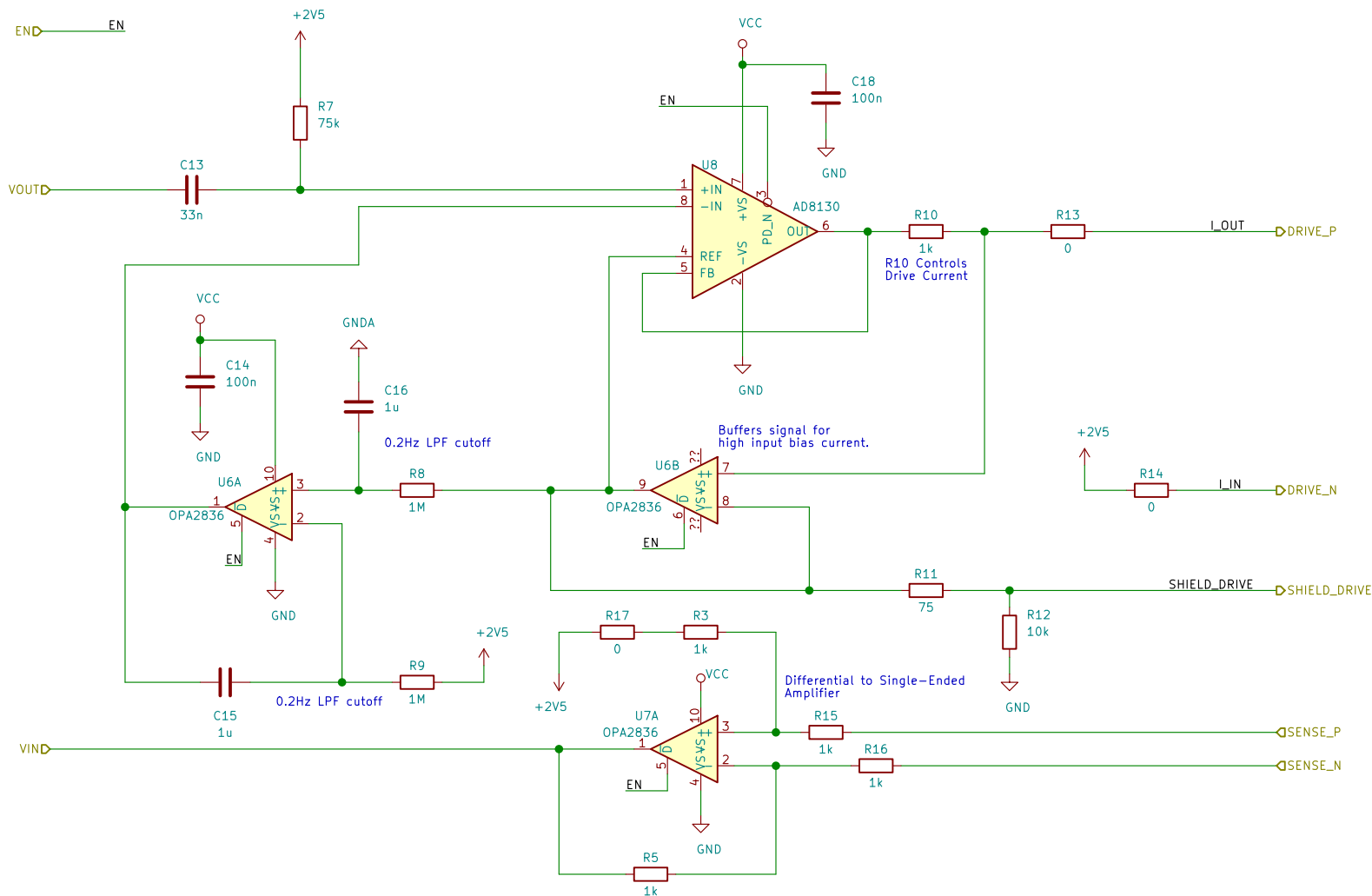


Id: 2/8





Id: 4/8



Design Published in:

R. Harder, A. Diedrich, J. S. Whitfield, M. S. Buchowski, J. B. Pietsch, and F. J. Baudenbacher, "Smart Multi-Frequency Bioelectrical Impedance Spectrometer for BIA and BIVA Applications," IEEE Transactions on Biomedical Circuits and Systems, vol. 10, no. 4, pp. 912-919, Aug. 2016.

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Sheet: /AD5933 Front End/

File: front_end.sch

Title: Portable Impedance Tomography

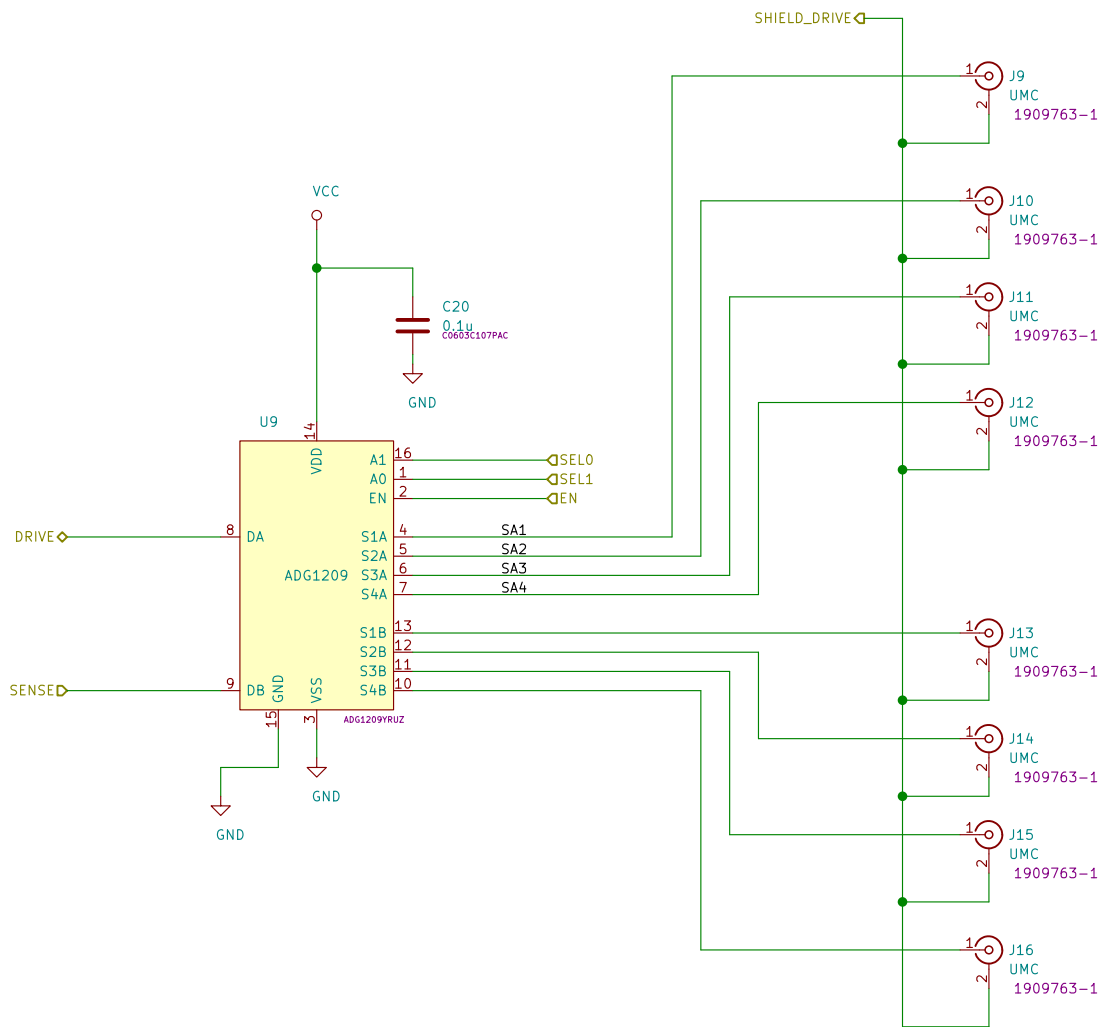
Size: A4

Date: 2017-09-10

Rev: **NEW**

KiCad E.D.A. kicad (2017-02-21 revision 35a8d78)-master

Id: 5/8



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Sheet: /Transmit Mux/

File: rx_mux.sch

Title: Portable Impedance Tomography

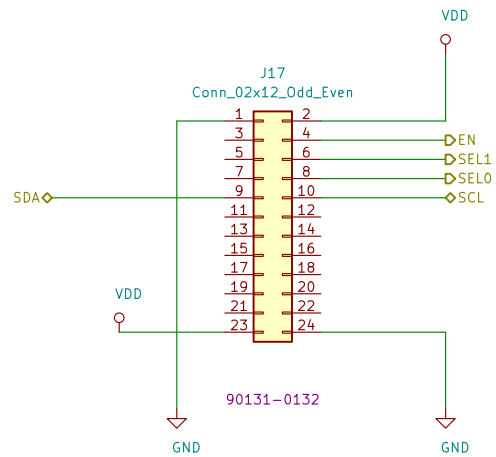
Size: A4

Date: 2017-09-10

Rev: **NEW**

KiCad E.D.A. kicad (2017-02-21 revision 35a8d78)-master

Id: 6/8

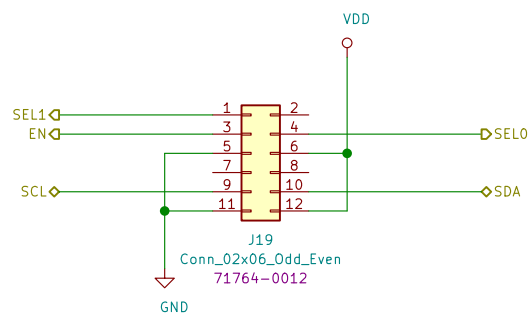


Cypress BLE Module Kit:
<http://www.cypress.com/file/140711/download>
 See Table 4 for pinout of CY8C4247LQI-BL483
<http://www.cypress.com/file/137466/download>

Sheet: /Cypress BLE Headers/
 File: cypress_headers.sch

Title:

Size: A	Date:	Rev:
KiCad E.D.A.	kiCad (2017-02-21 revision 35a8d78)-master	Id: 7/8



This interface is capable of being mated to any 2x6 PMOD host, but is specifically compatible for the Digilent Zybo MIO PMOD JF connection.

Digilent PMOD Spec
https://reference.digilentinc.com/_media/reference/pmod/digilent-pmod-interface-specification.pdf

Zybo MIO PMOD JF Pinout (Table 16.1) :
<https://reference.digilentinc.com/reference/programmable-logic/zybo-z7/reference-manual>

Zynq MIO Signal Routing (Table 2-4):
https://www.xilinx.com/support/documentation/user_guides/ug585-Zynq-7000-TRM.pdf

Sheet: /Pmod 2x6 Header/
 File: pmod.sch

Title:

Size: A4

Date:

KiCad E.D.A. kicad (2017-02-21 revision 35a8d78)-master

Rev:

Id: 8/8