

2-Channel PID servo motor controller board

Luke Weston, 2012

<http://github.com/lukeweston/OpenServoDrive>

Released under the CERN Open Hardware License:

<http://ohwr.org/cernohl>

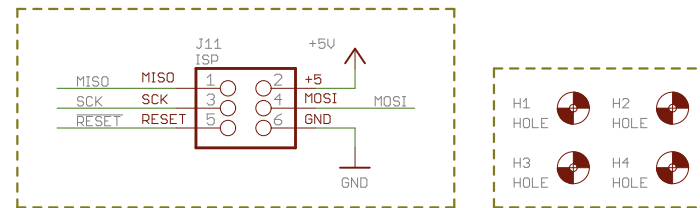
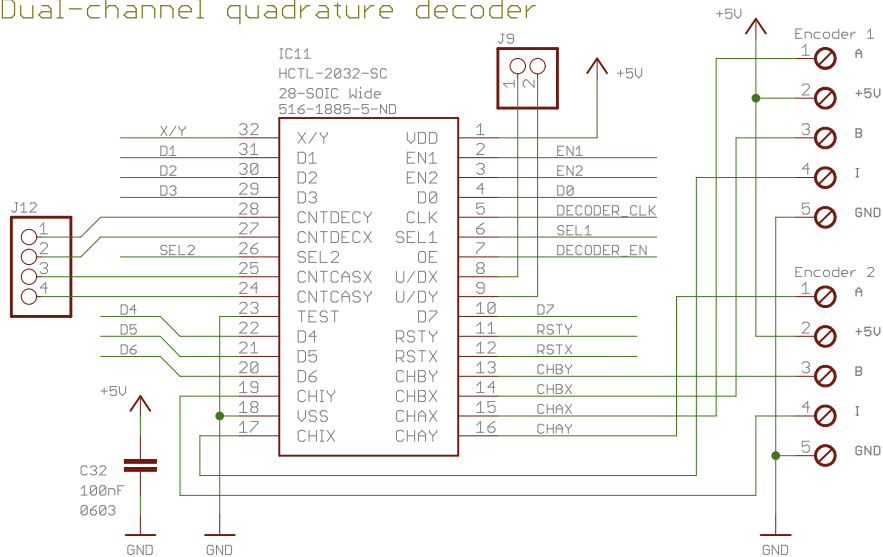


OpenServoDrive

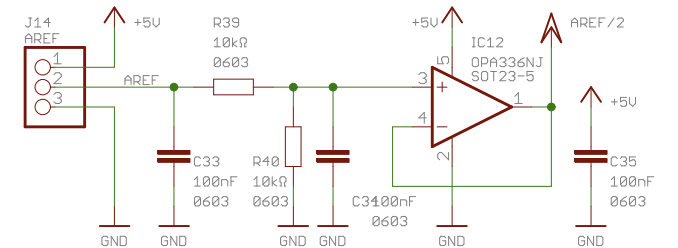
not saved!

Sheet: 1/1

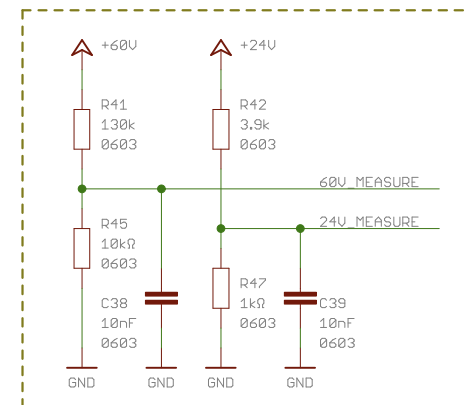
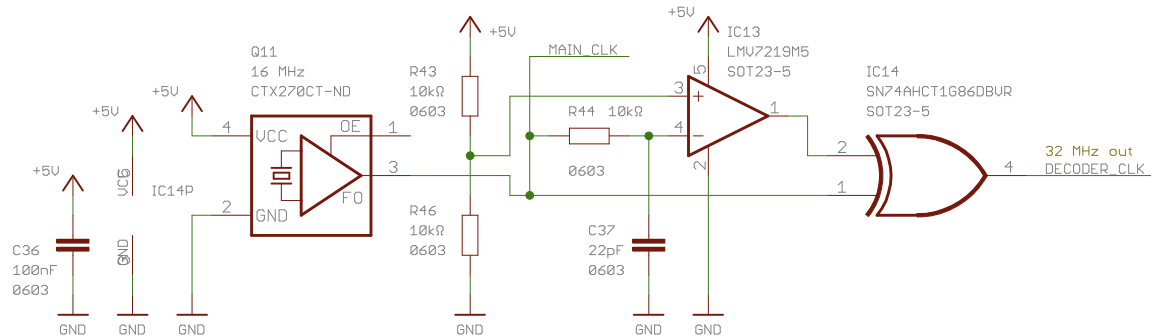
Dual-channel quadrature decoder



Buffered AREF/2, for current amps



16 MHz clock and frequency doubler for decoder



2-Channel PID servo motor controller board

Luke Weston, 2012

<http://github.com/lukeweston/OpenServoDrive>

Released under the CERN Open Hardware License:

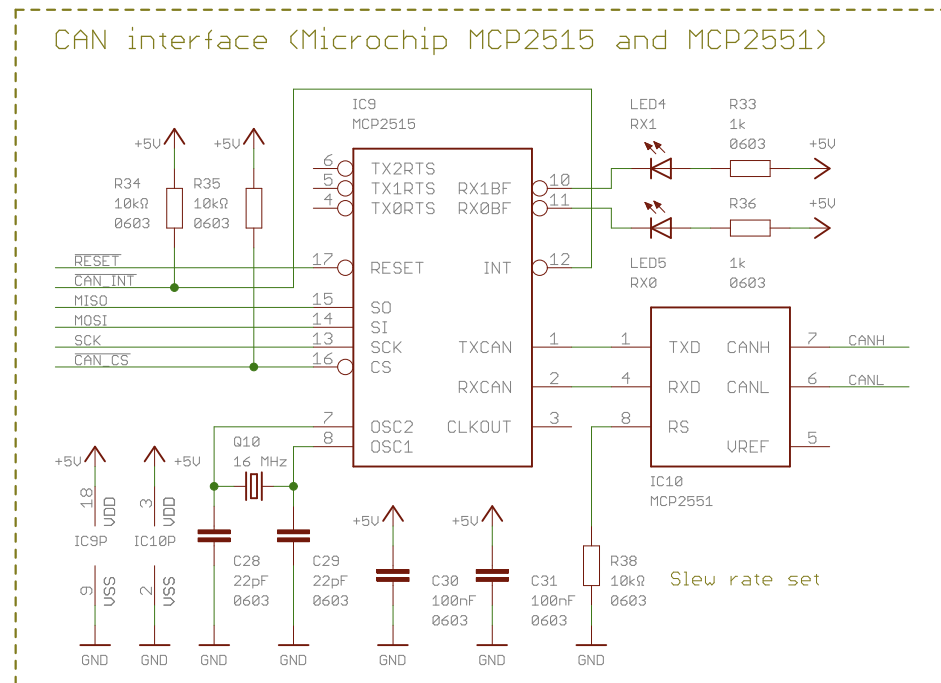
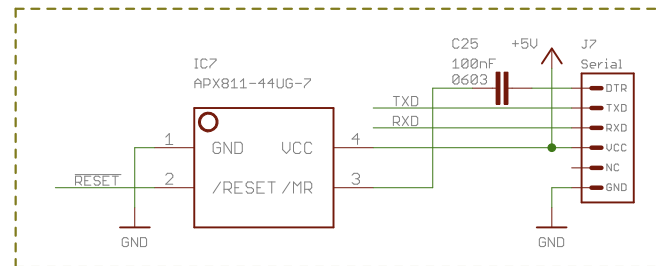
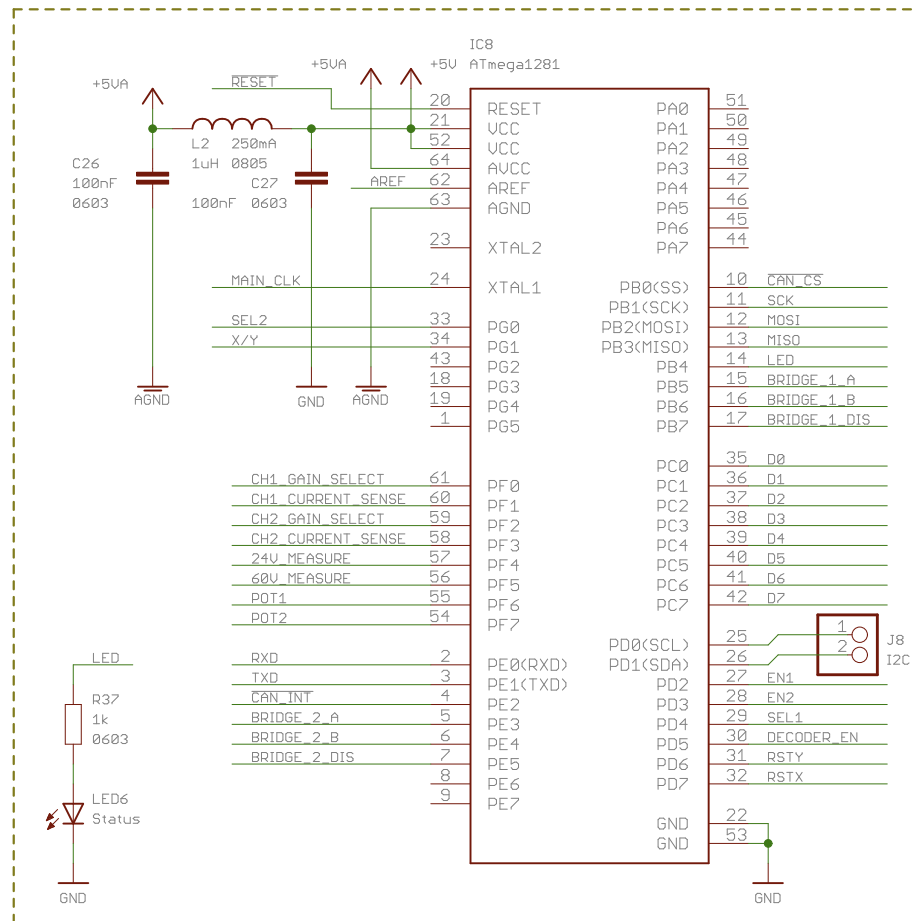
<http://ohwr.org/cernohl>



OpenServoDrive

not saved!

Sheet: 1/1



2-Channel PID servo motor controller board

Luke Weston, 2012

<http://github.com/lukeweston/OpenServoDrive>

Released under the CERN Open Hardware License:

<http://ohw.org/cernohl>

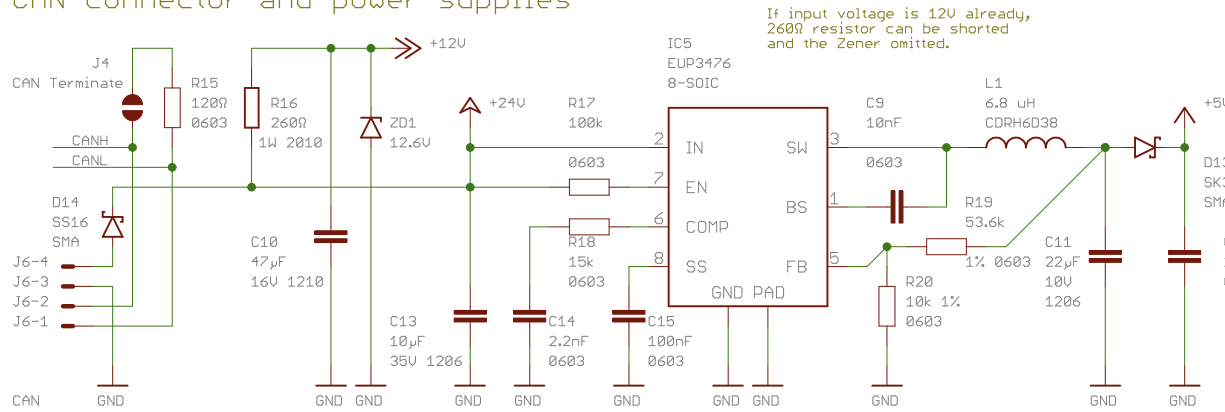


OpenServoDrive

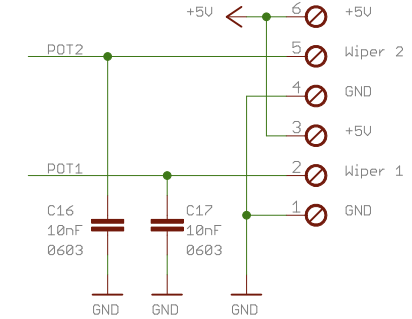
not saved!

Sheet: 1/1

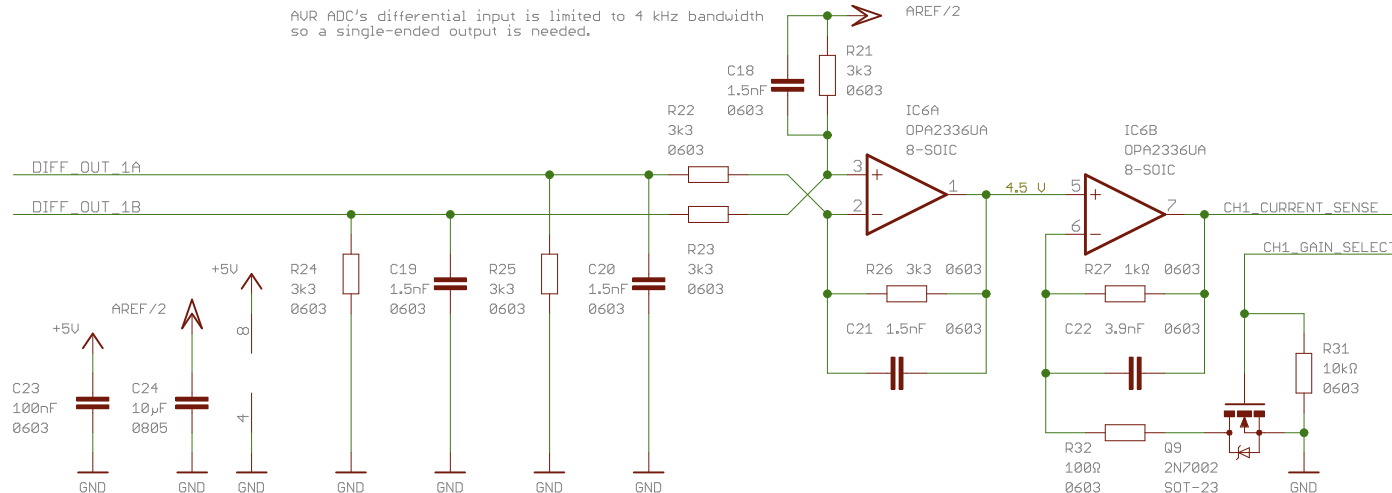
CAN connector and power supplies



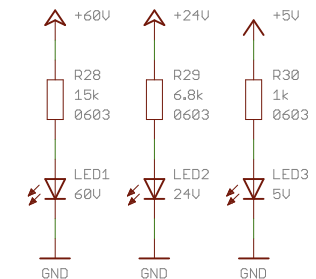
Valve home pots



AUR ADC's differential input is limited to 4 kHz bandwidth so a single-ended output is needed.



der Blinkenlichten



2-Channel PID servo motor controller board

Luke Weston, 2012

<http://github.com/lukeweston/OpenServoDrive>

Released under the CERN Open Hardware License:

<http://ohwr.org/cernohl>

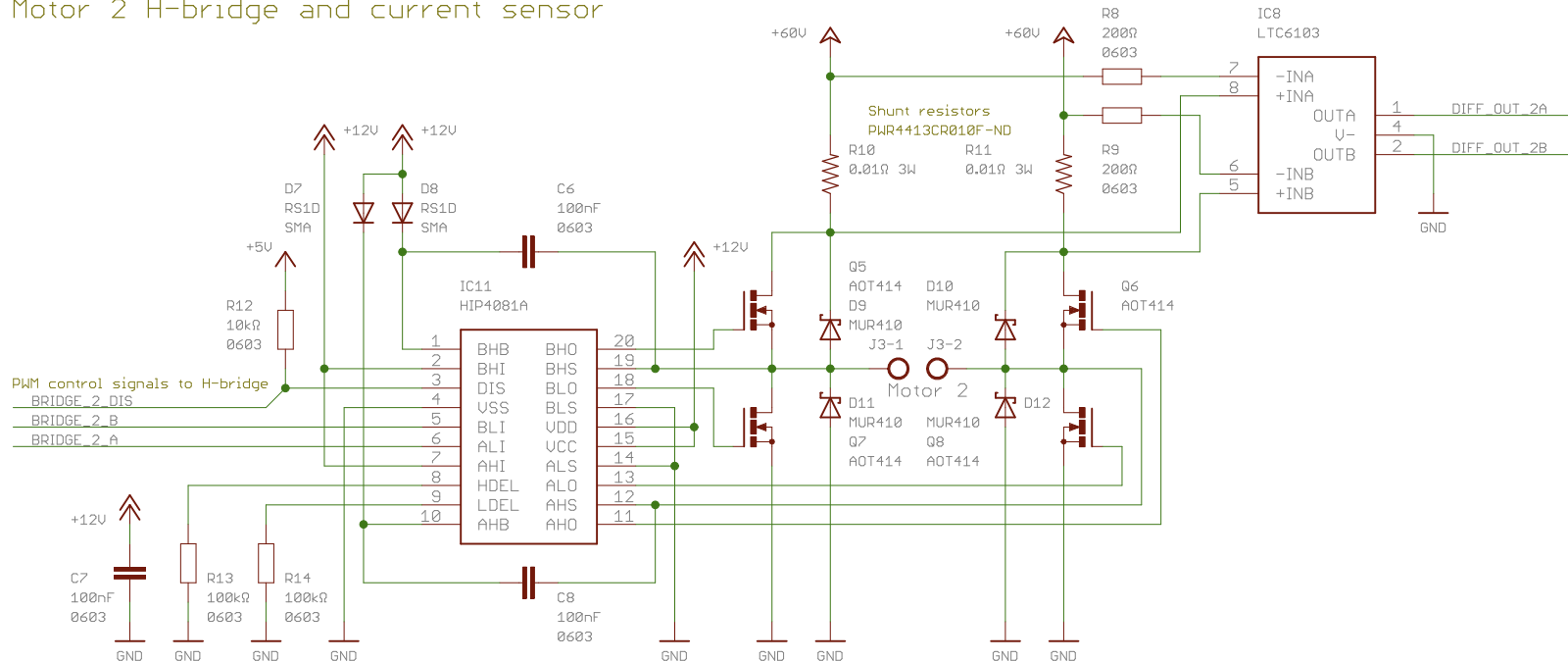


OpenServoDrive

not saved!

Sheet: 1/1

Motor 2 H-bridge and current sensor



2-Channel PID servo motor controller board

Luke Weston, 2012

<http://github.com/lukeweston/OpenServoDrive>

Released under the CERN Open Hardware License:

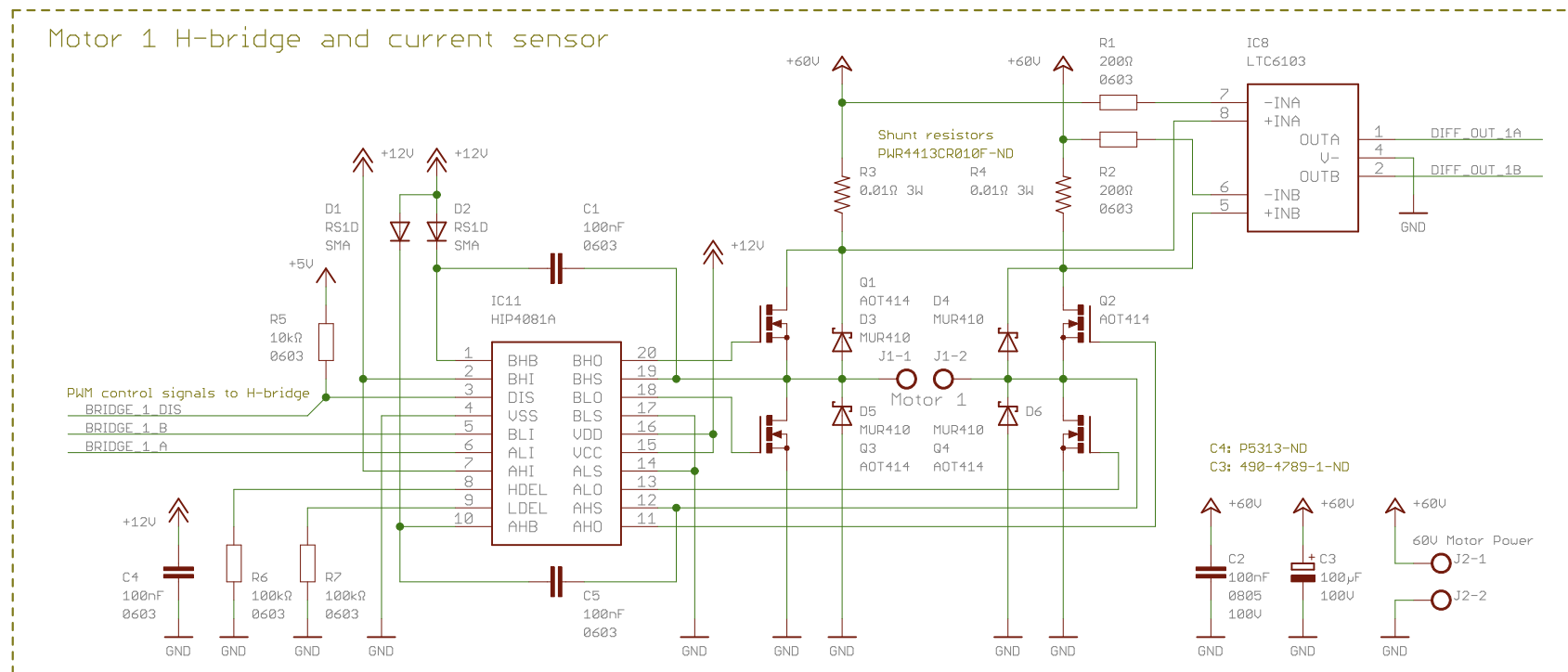
<http://ohw.org/cernohl>



OpenServoDrive

not saved!

Sheet: 1/1



2-Channel PID servo motor controller board

Luke Weston, 2012

<http://github.com/lukeweston/OpenServoDrive>

Released under the CERN Open Hardware License:

<http://ohwr.org/cernohl>



OpenServoDrive

not saved!

Sheet: 1/1