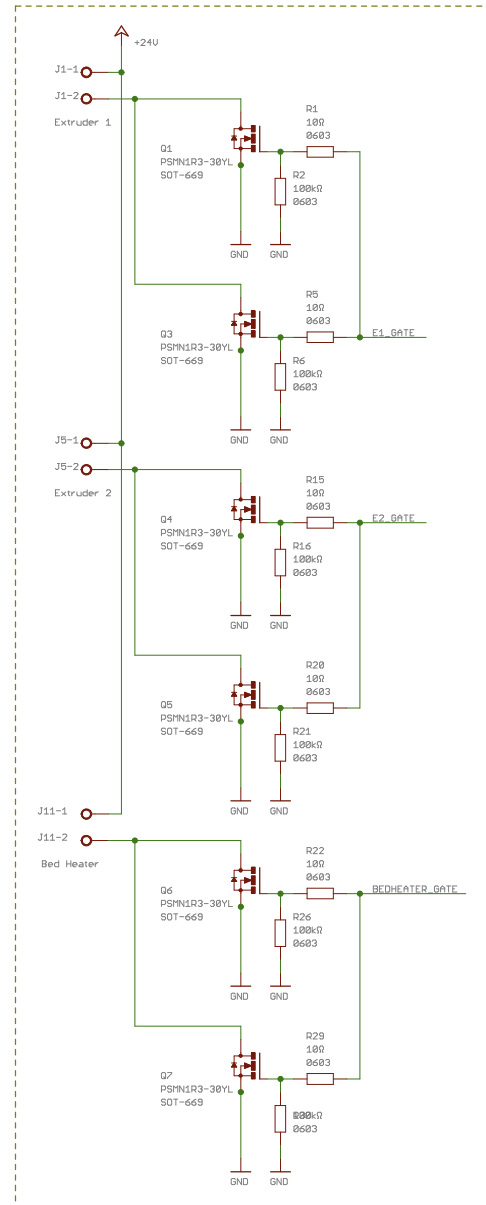
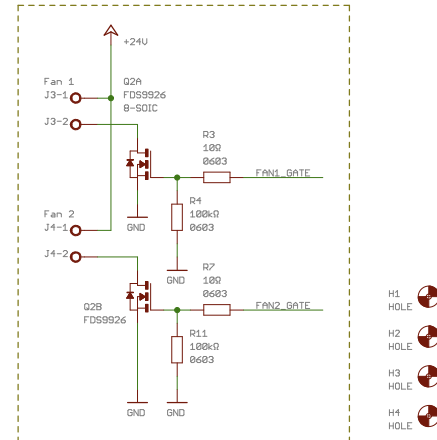


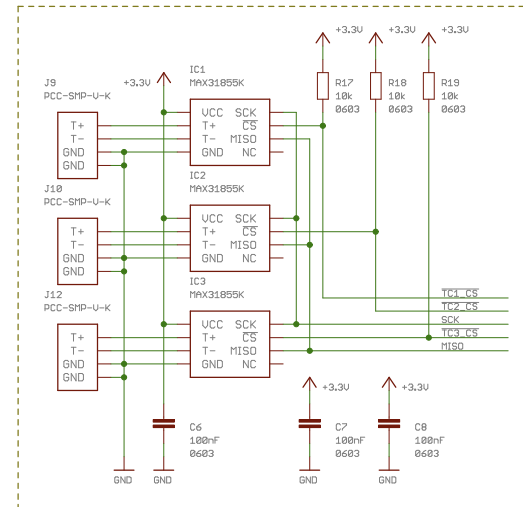
3x 24V High-Current Open-Drain Outputs



2x Lower-current Outputs For driving fans, etc.

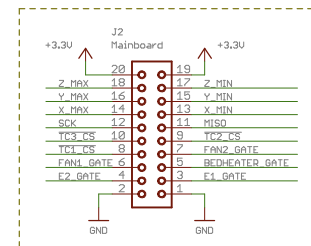


3x K-type Thermocouples (MAX31855Ks)



3D Printer Controller - Input Power Distribution, High-Current Switches and Thermocouple Amplifiers Luke Weston, 2012

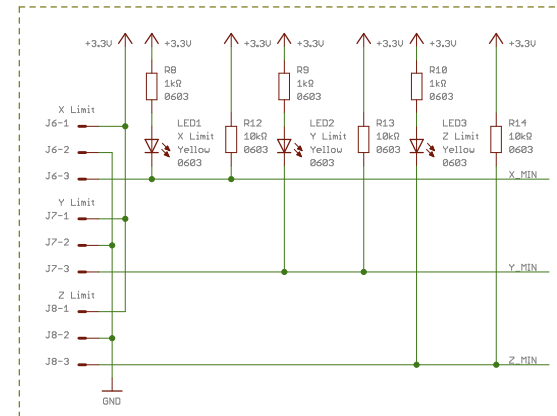
<http://github.com/lukeweston/3DPrinterController>
Released under the CERN Open Hardware License:
<http://ohw.org/cernohl>



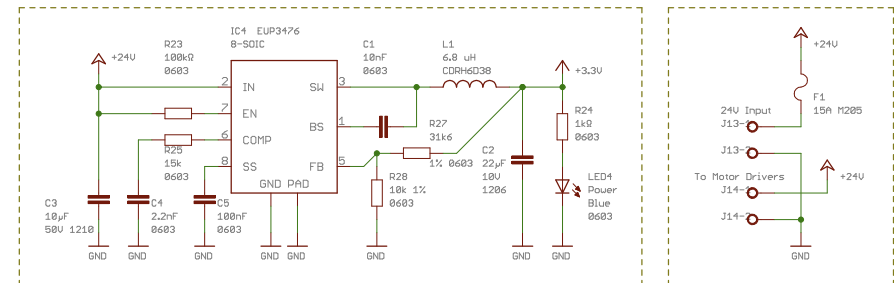
Thermocouple connectors are Omega PCC-SHP-U-K miniature vertical PCB-mount. Change MAX31855K thermocouple type and Omega PCC-SHP-U-K metallurgy type if the thermocouple type is not K-type.

The recommended limit sensors are Diodes Inc. AH180 omnipolar Hall effect switches (Digi-Key AH180-DL-ADICT-NDX). Note that Hall effect sensors with an analog voltage output are not the same and cannot be used. Conventional normally-open switches may also be used, but optical slot interrupters are not supported as there are no connections for power to the infrared LEDs.

3 x Limit Switches



3.3V Buck Regulator (EUP3476)



Title8DPrinter-PowerDistribution
Version:
4/01/13 4:14 AM
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