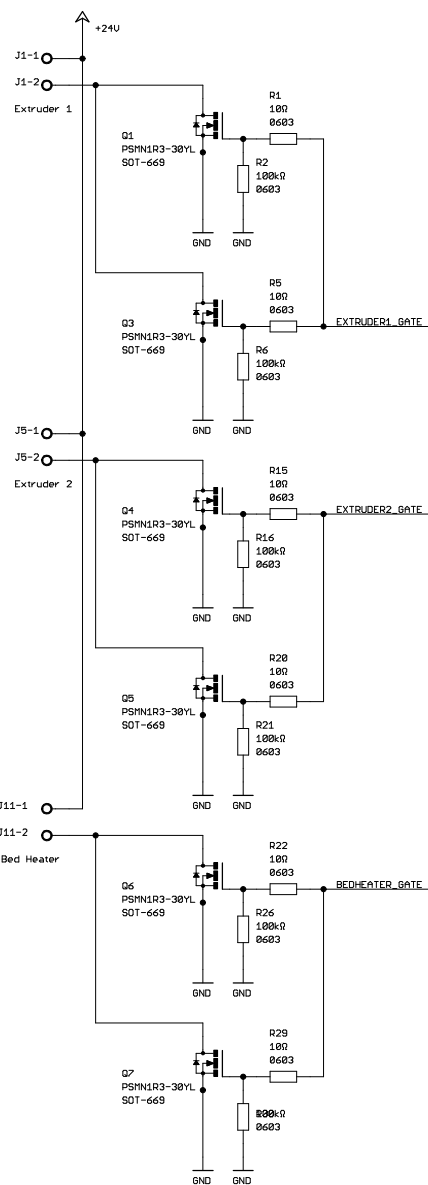
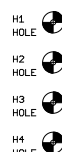
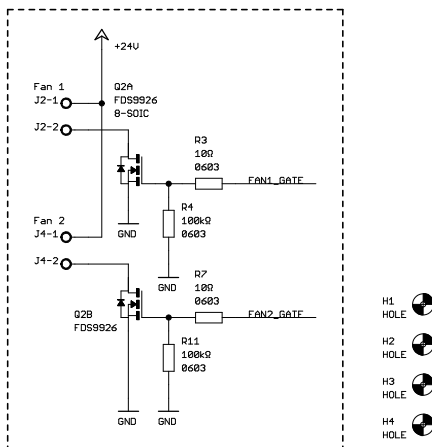


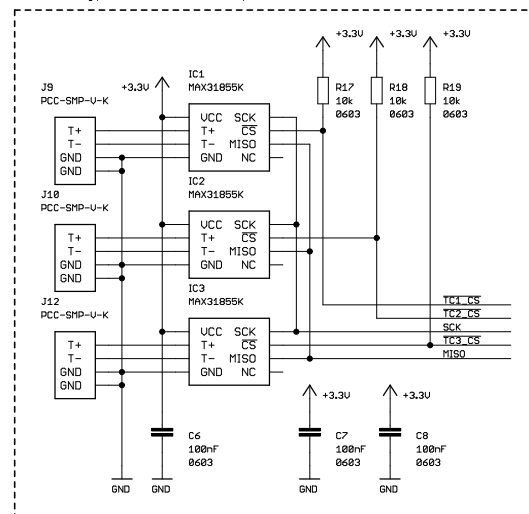
3x 24V High-Current Open-Drain Outputs



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

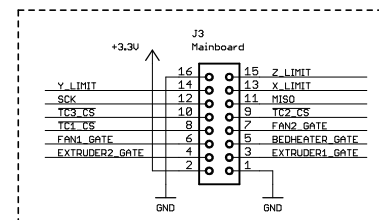


3x K-type Thermocouples (MAX31855s)

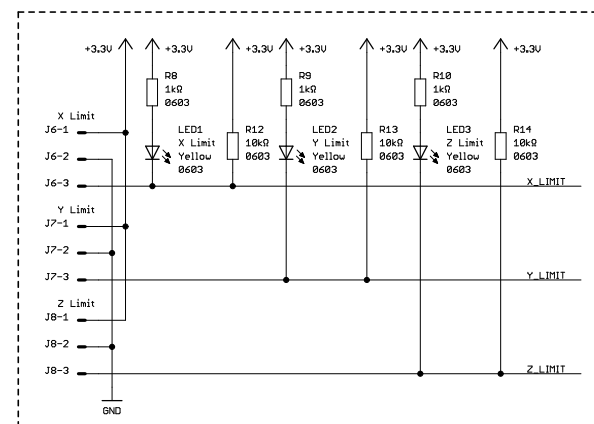


Thermocouple connectors are Omega PCC-SMP-U-K miniature vertical PCB-mount. Change MAX31855x thermocouple type and Omega PCC-SMP-U-x metallurgy type if the thermocouple type is not K-type.

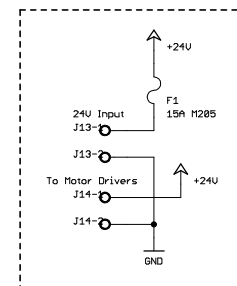
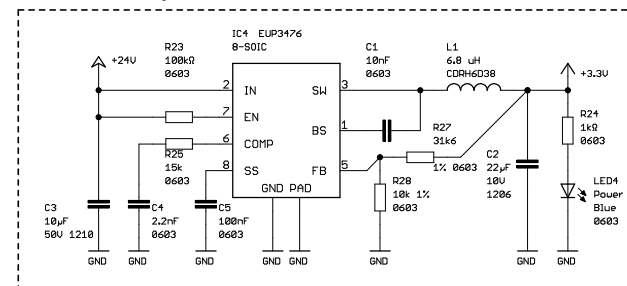
The recommended limit sensors are Diodes Inc. AH180 omnipolar Hall effect switches (Dig-Key AH180-PL-ADICT-ND). Note that Hall effect sensors with an analog voltage output are not the same and cannot be used. Conventional normally-open switches may also be used, but optical slot interrupters are not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



3 x Limit Switches



3.3V Buck Regulator (EUP3476)



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>



Title: 3DPrinter-PowerDistribution

Version:

24/11/12 4:28 PM

Drawn By:

1/1