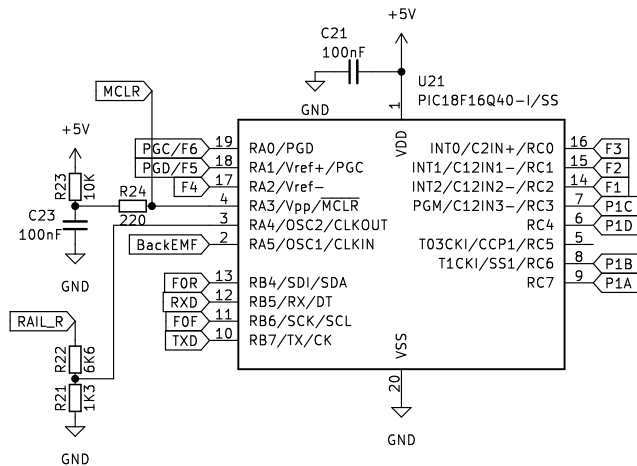
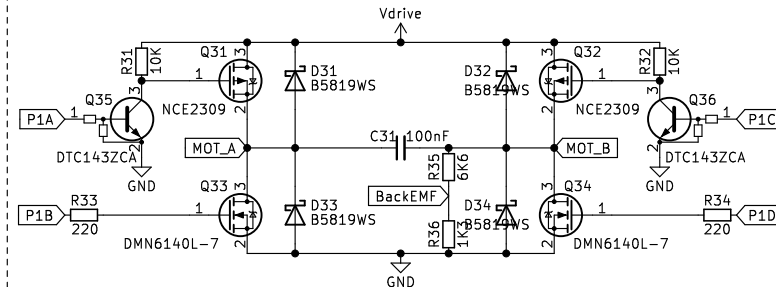


Rail power is fed into a bridge rectifier to generate 6–30V DC which is referenced as Vdrive.
An AMS1117 5V Linear Regulator generates power for the micro-controller.



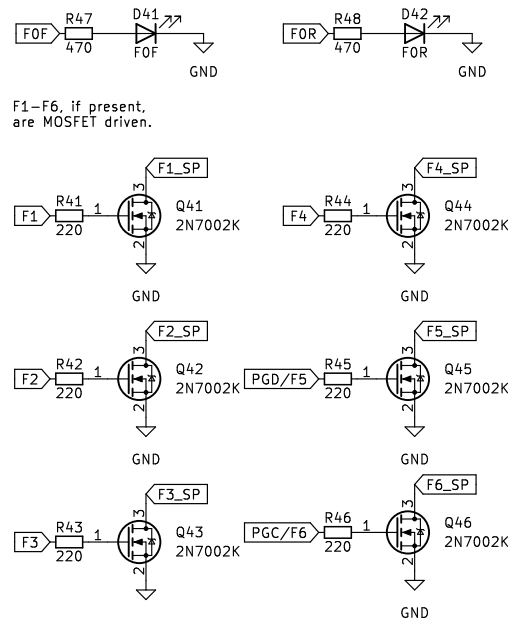
The uC provides all control logic.
Supporting components include a decoupling capacitor, hold up on MCLR, and an ICSP programming header.

For info on motor driving, see:
<http://www.ermicro.com/blog/?p=706>

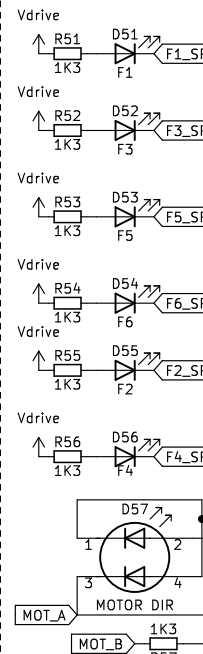


A dual N/P-Channel MOSFET is used for each side of the H-bridge driving the motor.
The high side is driven via a pre-biased (digital) NPN transistor.

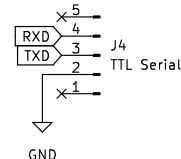
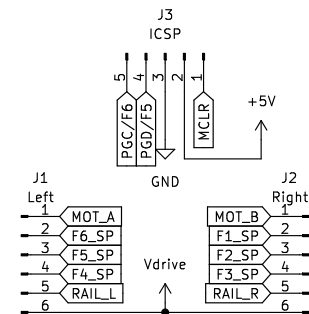
Functions F0F/F0R are direct drive.



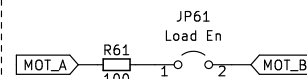
Diagnostic LEDs
Reference Decoders Only



External Connectivity



Dummy Load
Enables CV Readback
Without a Motor



Sheet: /
File: Breadboard-1.kicad_sch

Title:

Size: A4
KiCad E.D.A. kicad (6.0.1-0)

Date:

Rev:

Id: 1/1