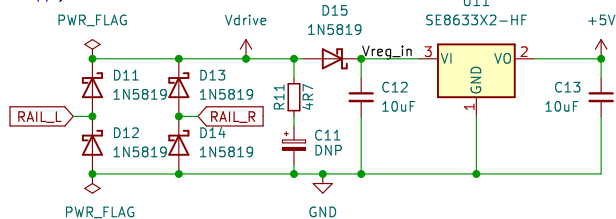
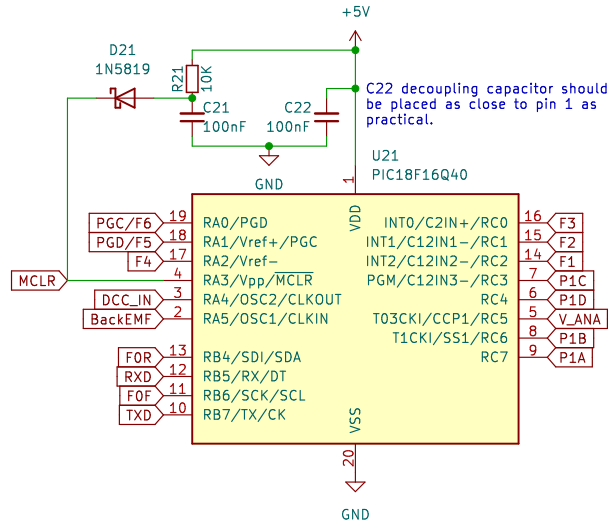


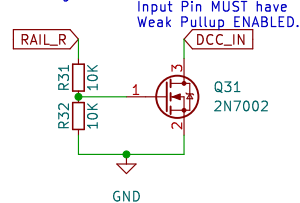
Power Supply



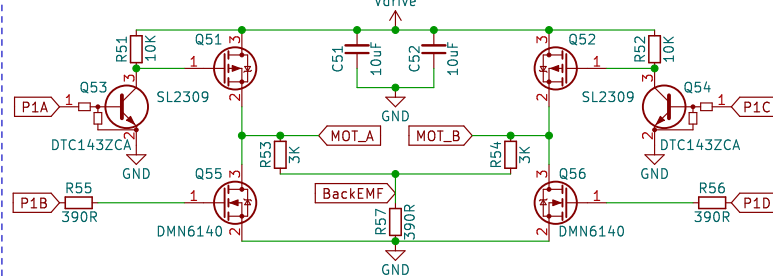
Processor



DCC Signal



Motor Drive

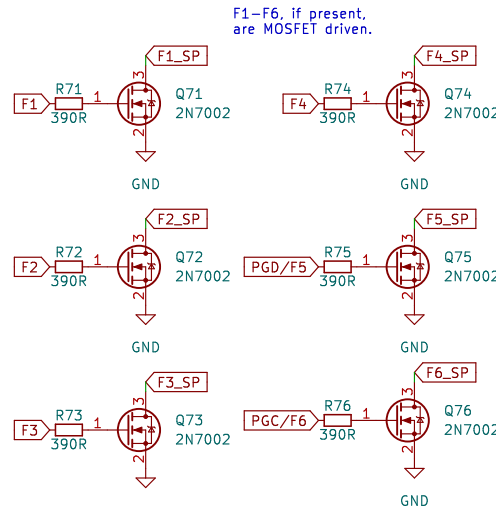


A dual N/P-Channel MOSFET is used for each side of the H-bridge driving the motor. The high side is driven via a pre-biased (digital) NPN transistor. A trio of resistors create a single BackEMF measurement independent of motor direction.

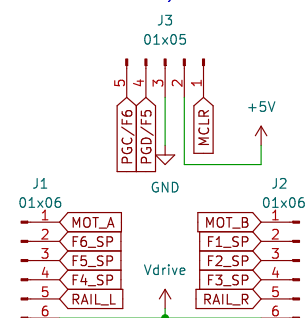
F0F-F0R



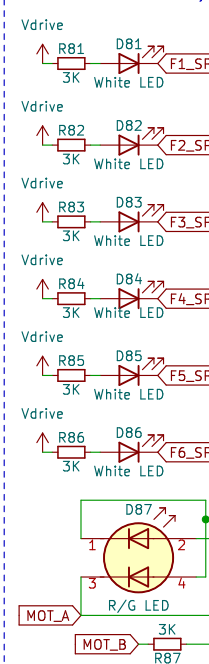
Function Outputs



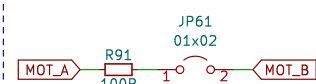
External Connectivity



Diagnostic LEDs Reference Decoders Only



Dummy Load Enables CV Readback Without a Motor



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<https://github.com/bicknell/DCC-Mobile-Decoder>

Sheet: /
 File: Breadboard-1.kicad_sch

Title: Breadboard-1

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

Rev:
 Id: 1/1