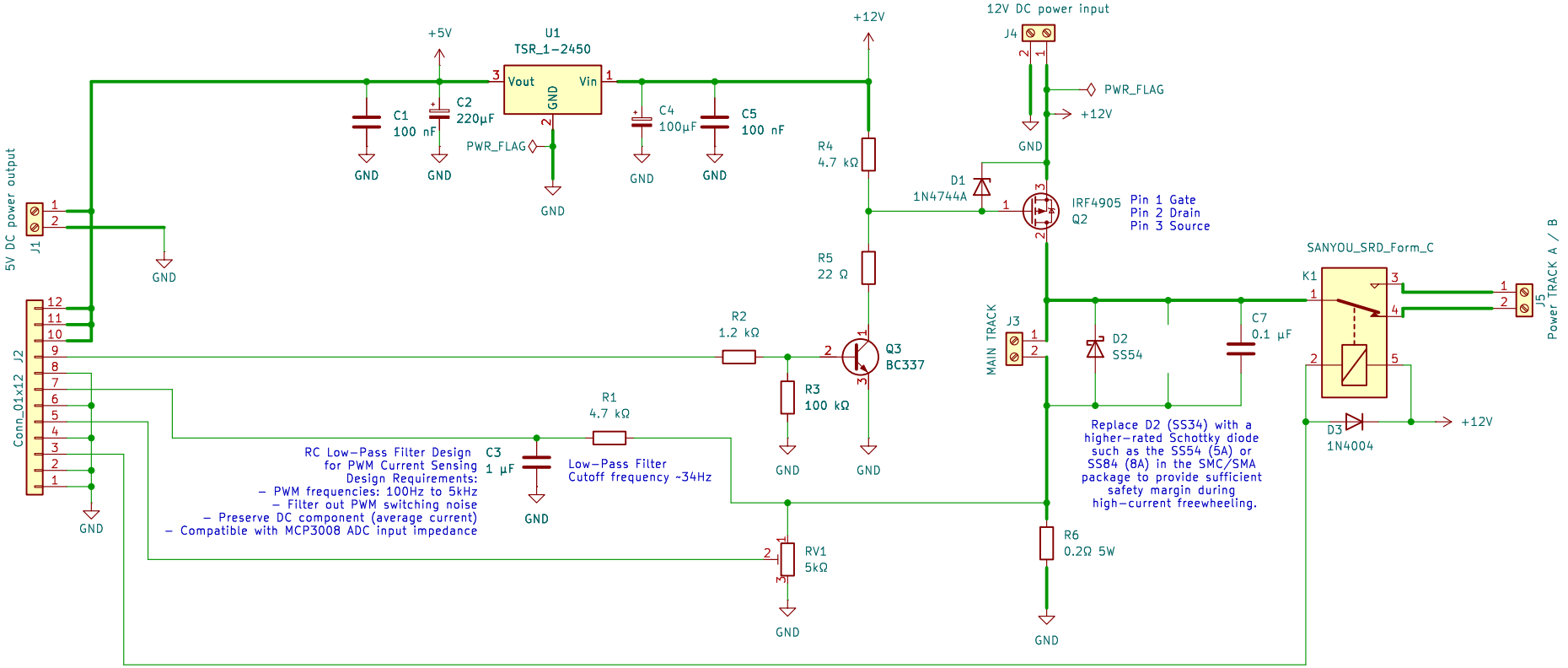
C6 = 470 µF is removed. The capacitor was placed parallel with the motor but shorted the drive signal above ~200Hz. The purpose of C6 is to suppress voltage spikes when the motor switches — a valid and important function. However 470µF is extremely large for this purpose. Typical motor spike suppression only needs:

The SS34 Schottky diode D2 — already handles the bulk of spike suppression ☐
C7 = 0.1µF — already there for high frequency noise suppression ☐

With D2 and C7 already in place, C6 is largely redundant and is causing more harm than good. Removing C6 completely is the better option and relying on D2 and C7 for protection.



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