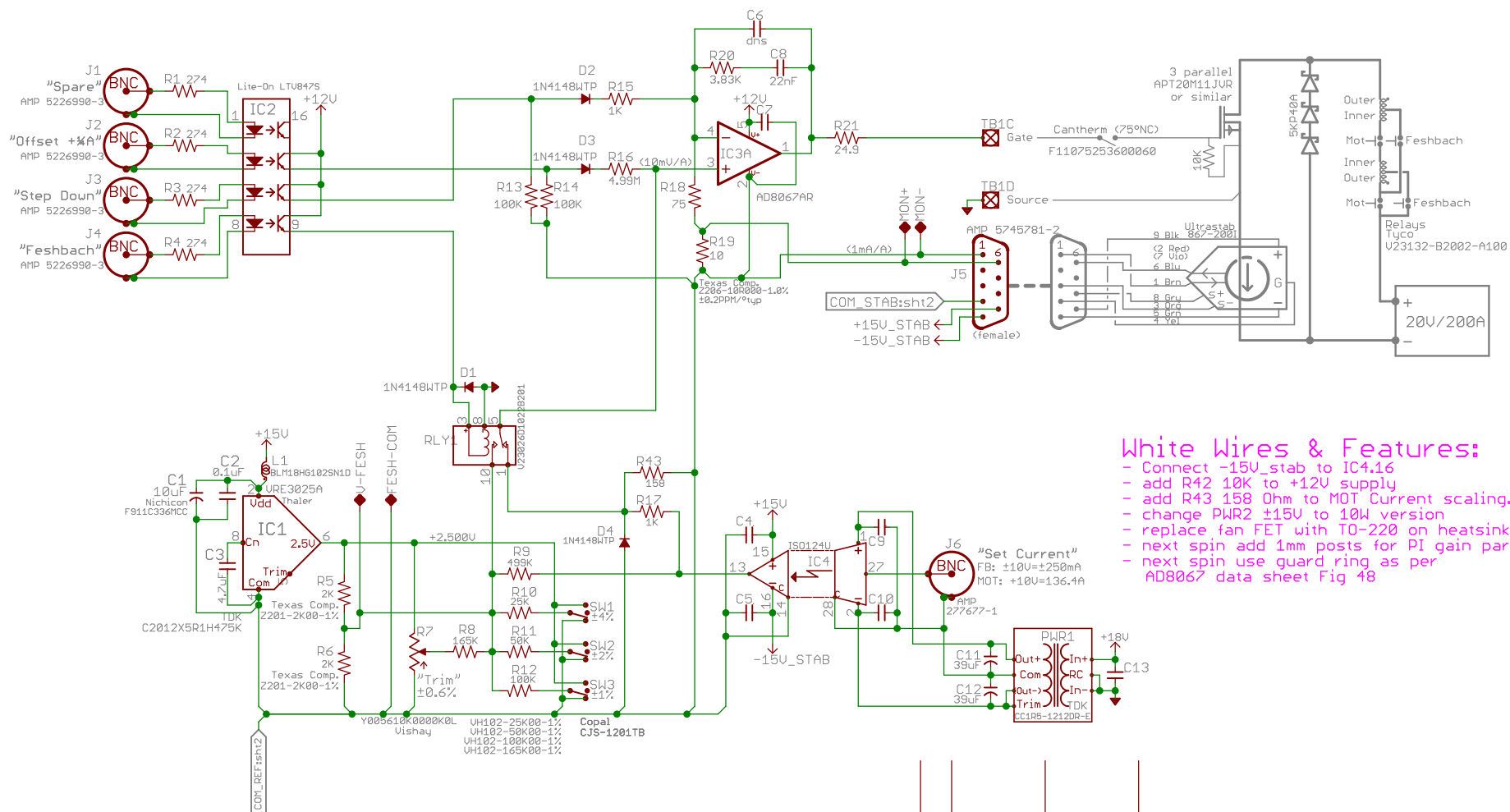




White Wires & Features:

- Connect -15V_stab to IC4.16
- add R42 10K to +12V supply
- add R43 158 Ohm to MOT Current scaling.
- change PWR2 ±15V to 10V version
- replace fan FET with T0-220 on heatsink
- next spin add 1mm posts for PI gain parts
- next spin use guard ring as per AD8067 data sheet Fig 48

NOTES:

- 1) Wire 6AWG or quad 12AWG for heavy nets.
- 2) Relay 1 is normally MOT, energize for Feshbach as per diagram.
- 3) Relay 3 drive can be inhibited by Relay 1 or Relay 2 being on.
- 4) Never ever change the relay state with current flowing!
- 5) Greyed area outside of dash-dot line is not on PCB, reference only.
- 6) Measured 175mA at 18V with Ultrastab, no relay, no FET.

A2	A.Stummer	Aug'11	On Rev:A PCB, as assembled and tested.
A1	A.Stummer	Aug'11	On Rev:A PCB. Based on "Feshbach Coils"
Ltr	Date	By	Description
REVISIONS			
University of Toronto Quantum Optics Group			Dwg: Fesh-MOT Coils Æ Steinberg Labs
Drawn: Alan Stummer Aug'11			Edited: 22/09/2011 16:00:39
File: Fesh-MOT			Sheet: 1/2
			REV: A2

