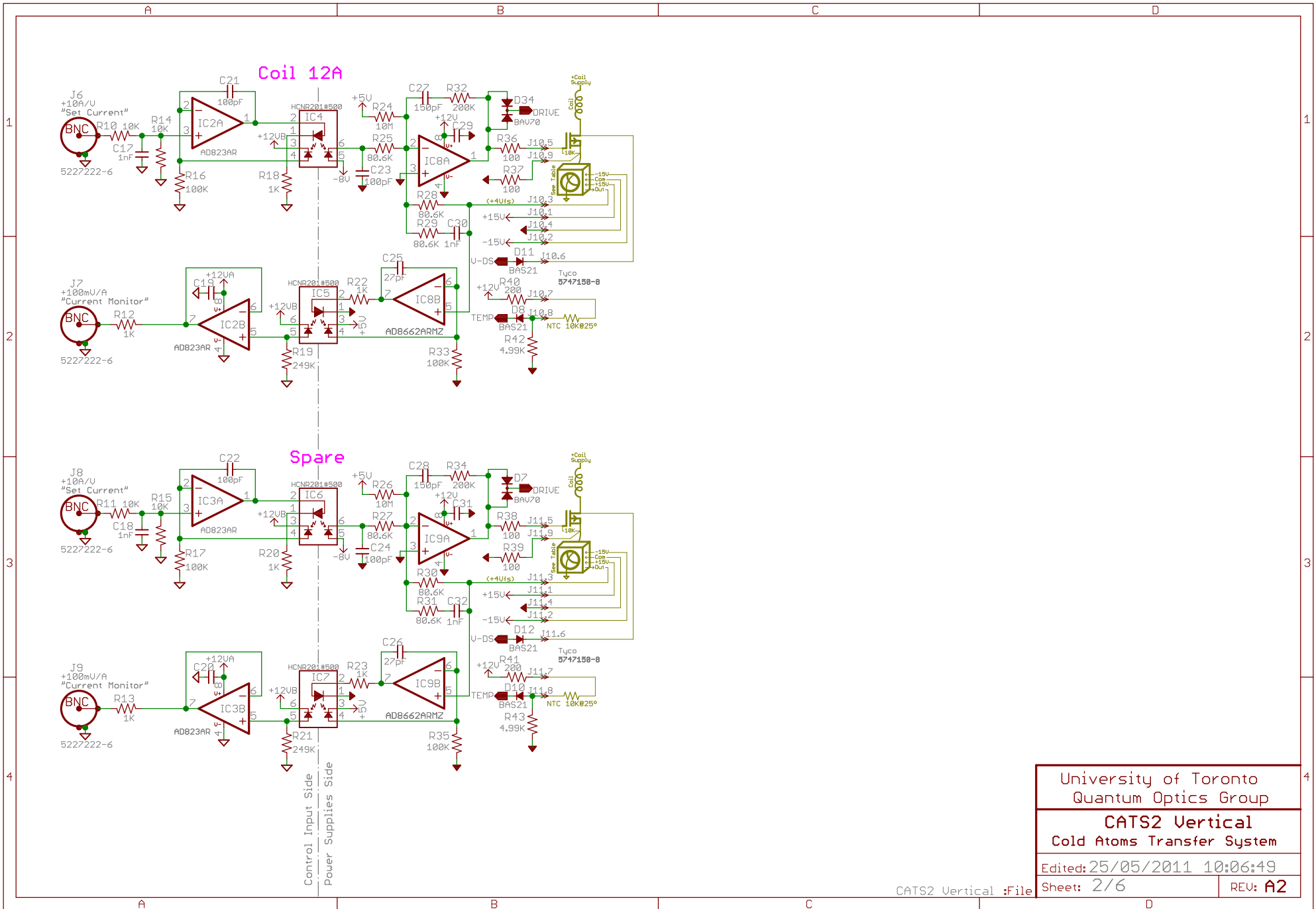


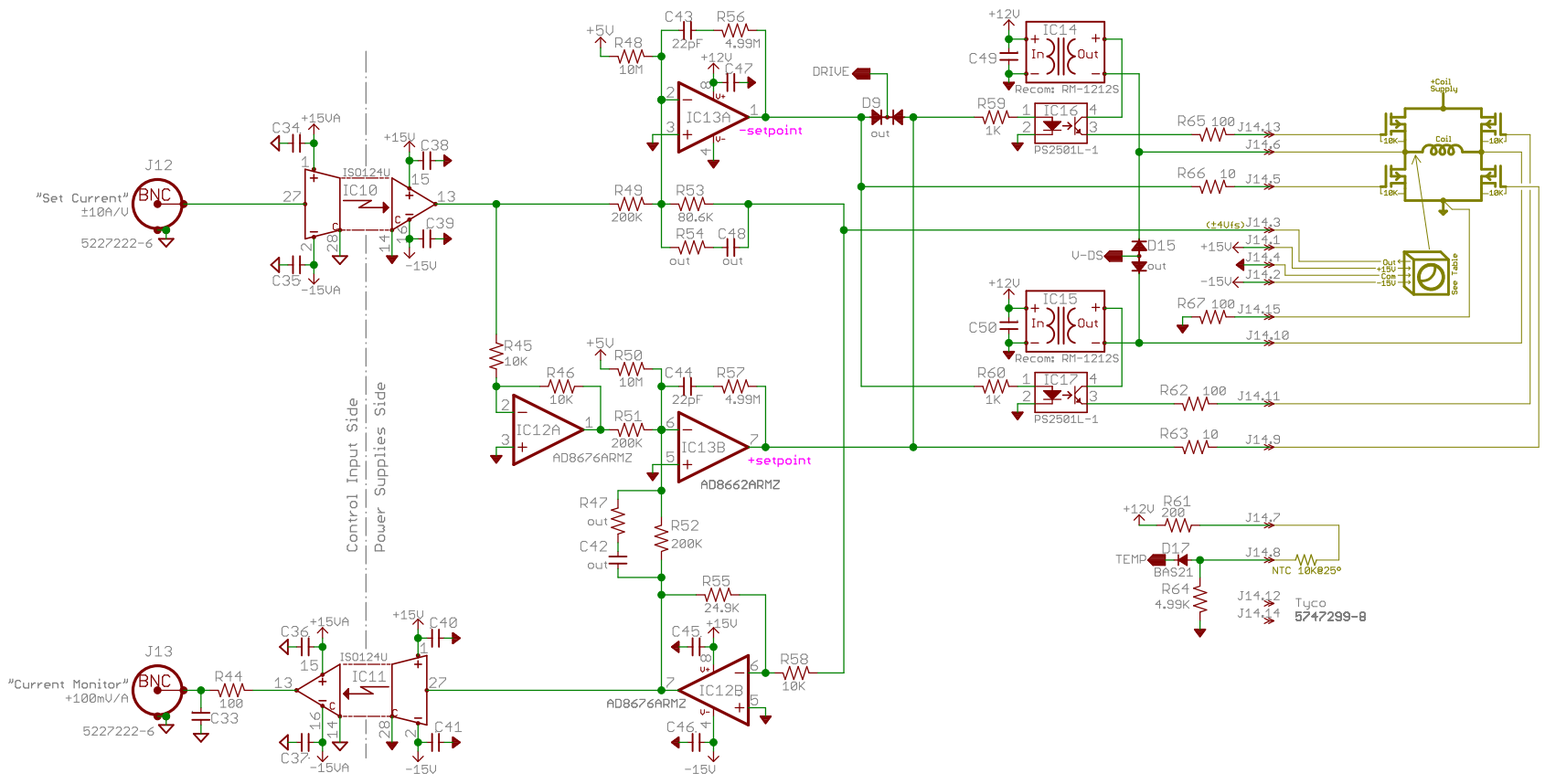
REVISIONS			
Ltr	Date	By	Description
A2	Feb 2011	A.Stummer	As assembled on RevA PCB.
A1	Jul 2010	A.Stummer	Original release on RevA PCB.

University of Toronto Quantum Optics Group	CATS2 Vertical Cold Atoms Transfer System J.Thywissen Labs	
Drawn: A.Stummer Dec'09	Edited: 25/05/2011 10:06:49	Sheet: 1/6
CATS2 Vertical:File		REV: A2

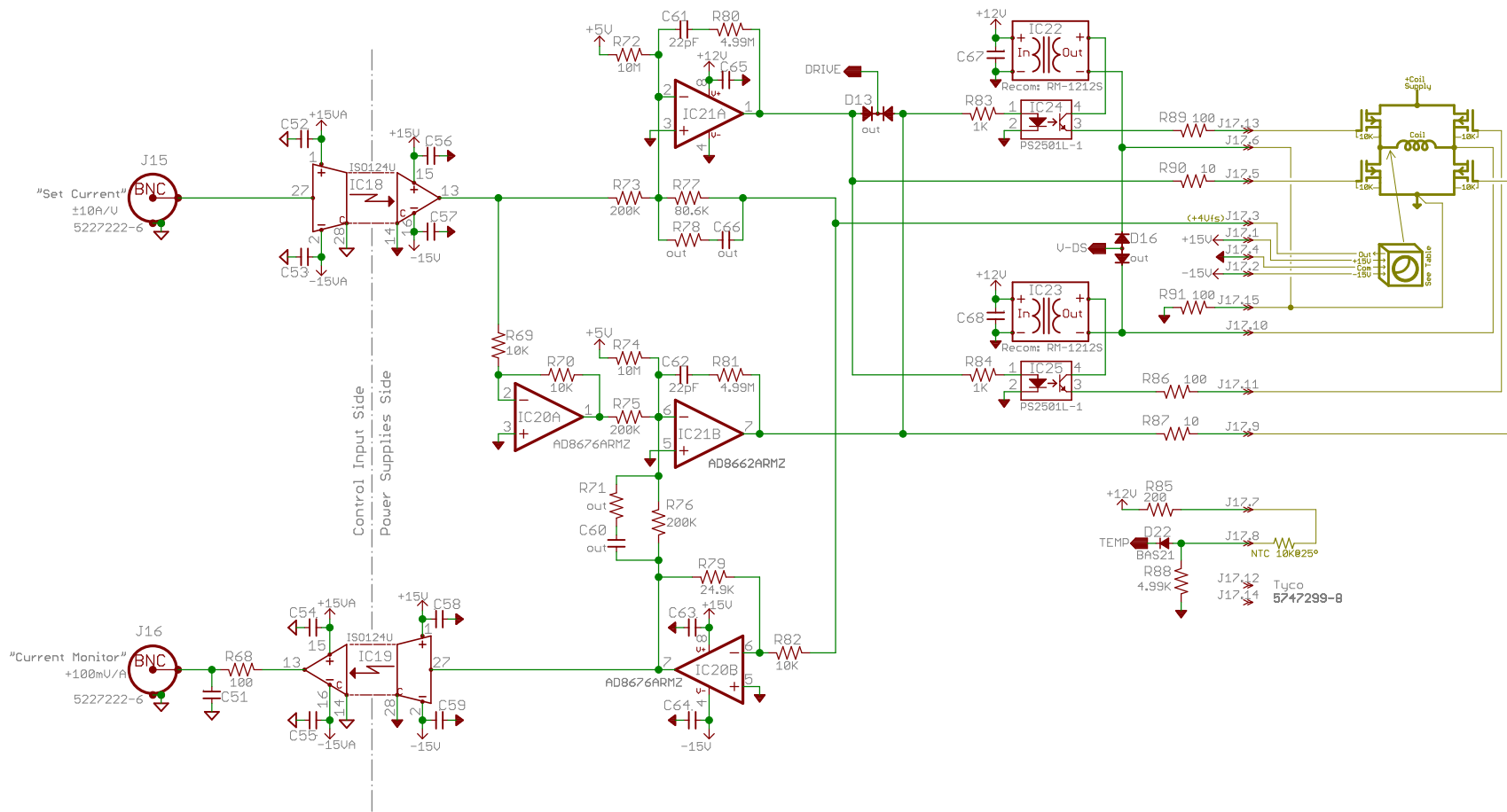
- Notes:**
- 1) This Vertical transfer board uses the Horizontal board for over-temperature, saturation and drive monitoring.
  - 2) See notes on Horizontal board.
  - 3) Unipolar FET connectors can plug into any unipolar drive plug.
  - 4) Bipolar FET connectors can plug into any bipolar drive plug.
  - 5) Current sensors use Molex connector 22-01-1044 and pins 08-70-0057.
  - 6) Add 10uF caps to ±15V on current sensors at Molex connectors.
  - 7) Screw down DB-x plugs to PCB, e.g. Tyco 5207719-3.
  - 8) Barrier strip Molex 38720-0203 for shorted coil relay contacts.
  - 9) If channels oscillate, add 100hms across the coils, to reduce phase angle.



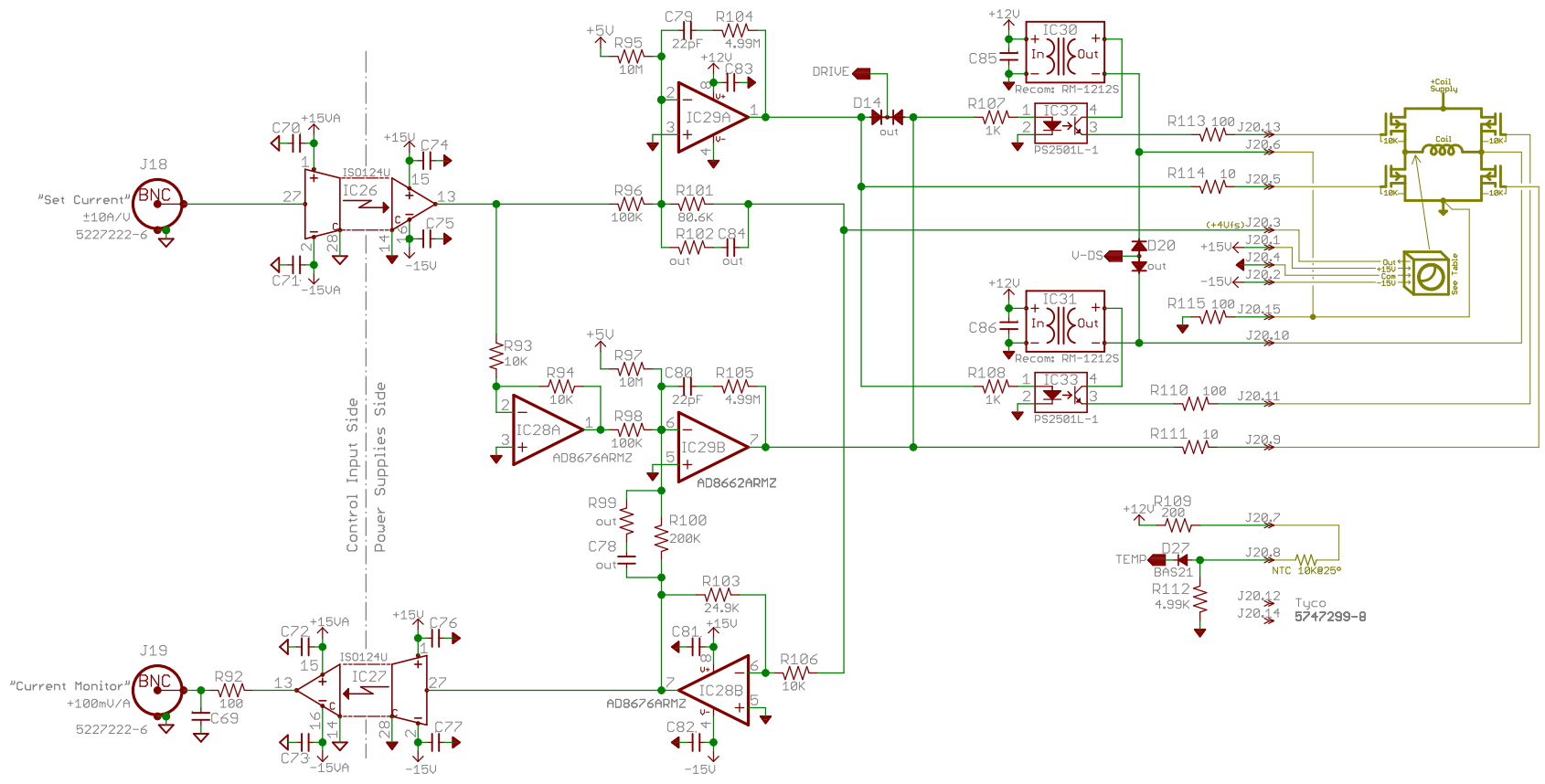
### Coil 12B

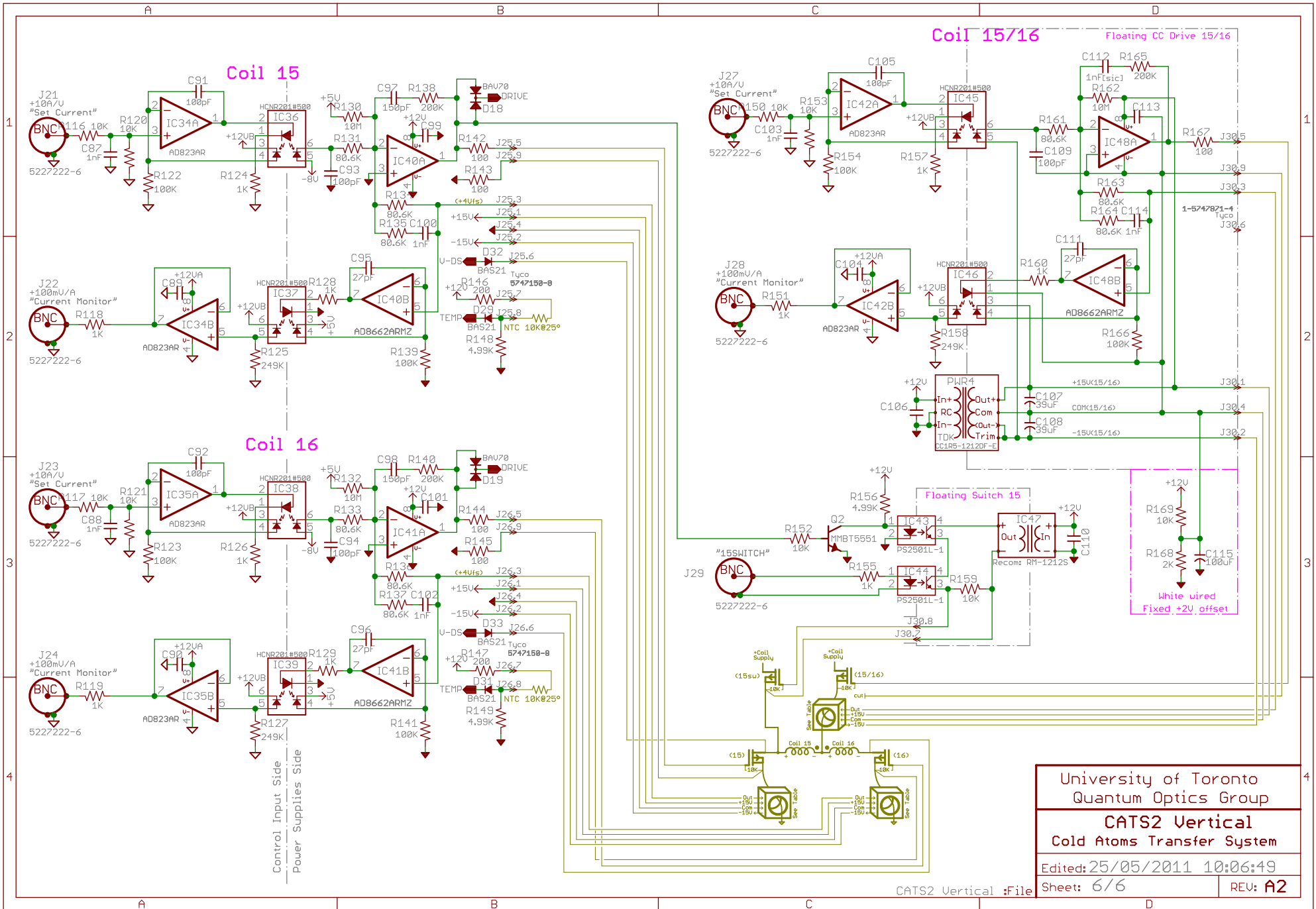


### Coil 13



### Coil 14





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