

Exhibit VI

Schematics of HO82WUALS13 ALS-1300 amplifier.

Exhibit VI..... 1

2KWF lowpass output filter..... 2

BS1..... 2

CB1 3

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PAM (Power amplifier modules)..... 7

PD8 7

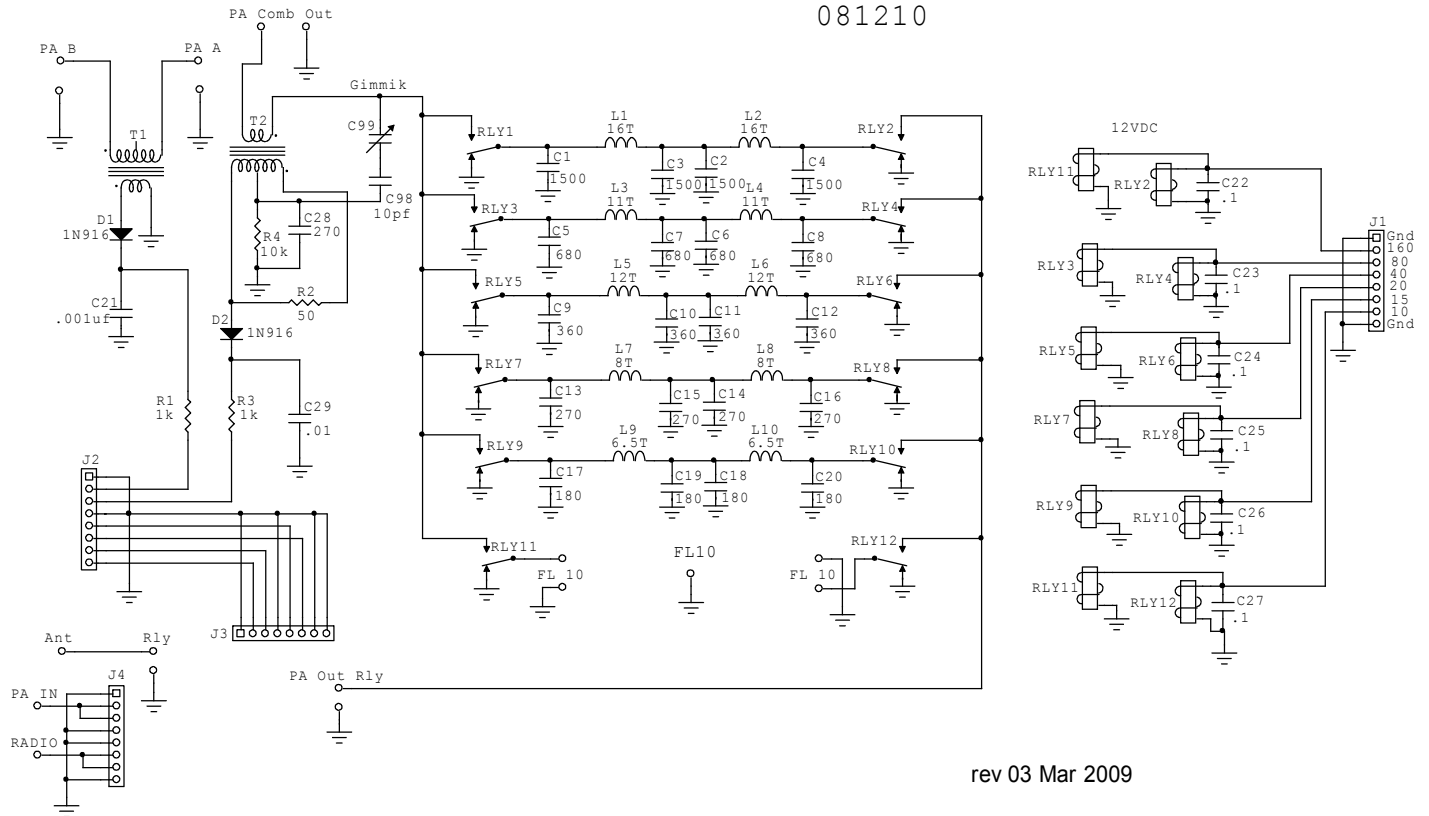
RJ45 8

RLY..... 8

SWR..... 9

2KWF lowpass output filter

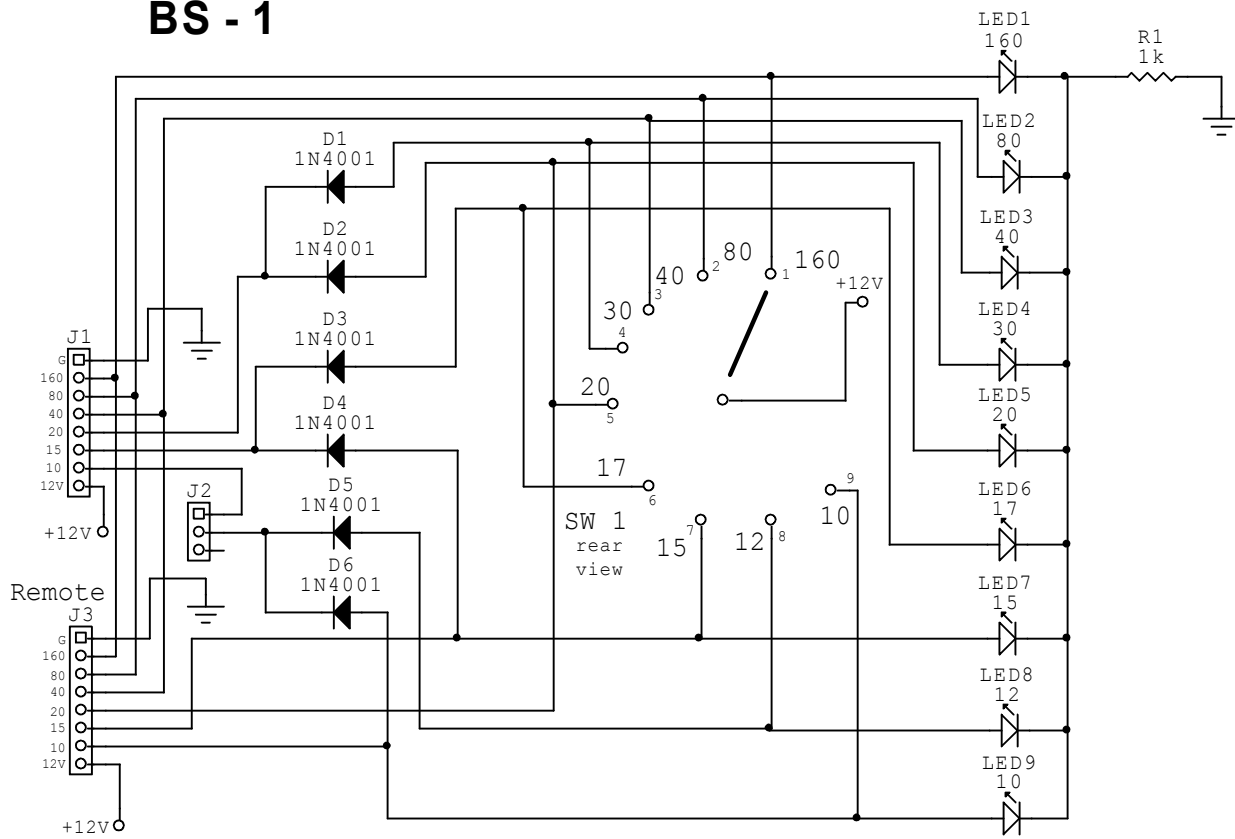
2KWF-1R1
081210



BS1

The BS1 is the bandswitch circuit board. It is dc control voltages only.

BS - 1



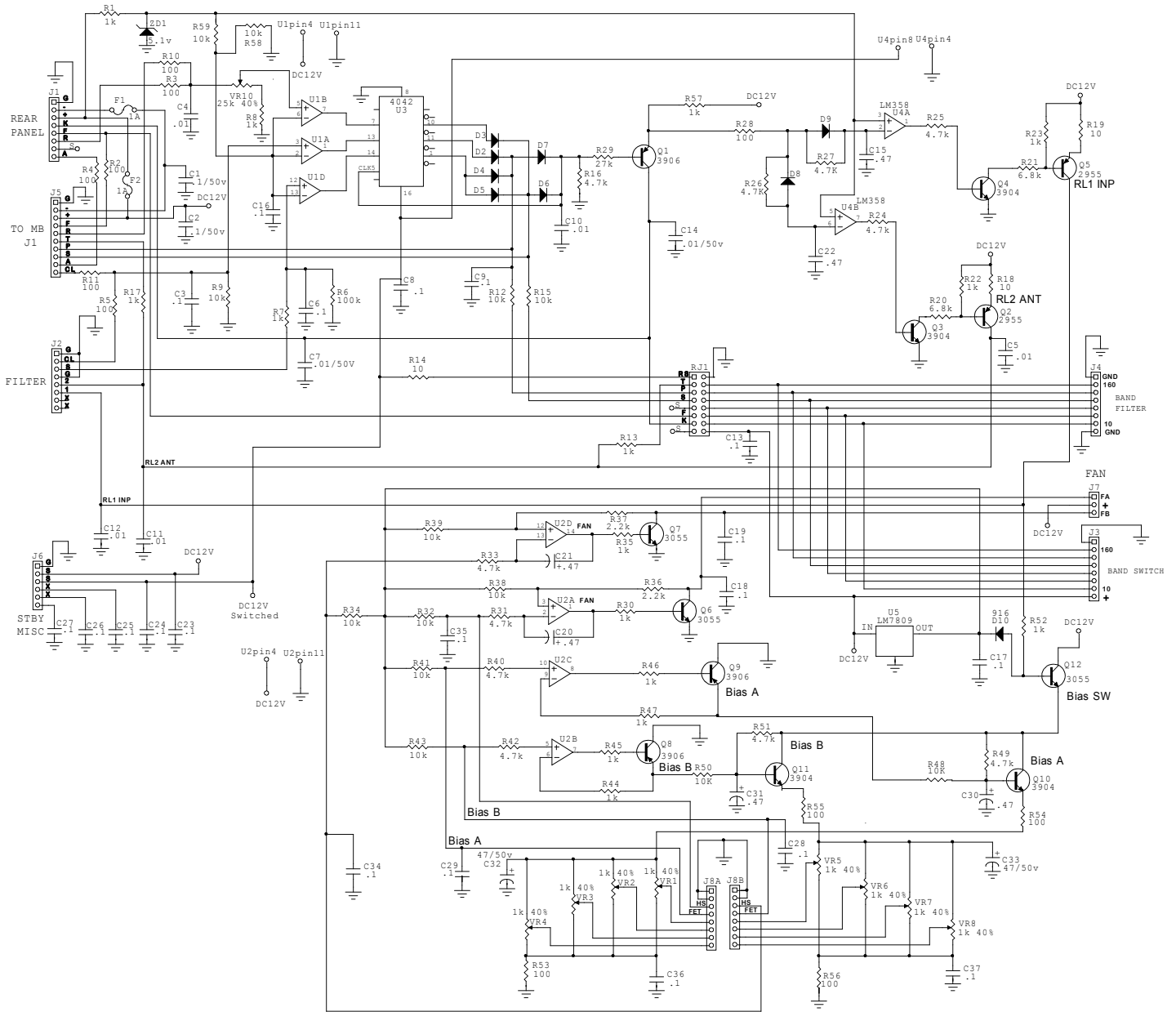
7 July 2008

CB1

The CB1 provides all control functions including:

- 1.) Fan speed
- 2.) Bias voltage
- 3.) Fault protection and latching
- 4.) Relay timing

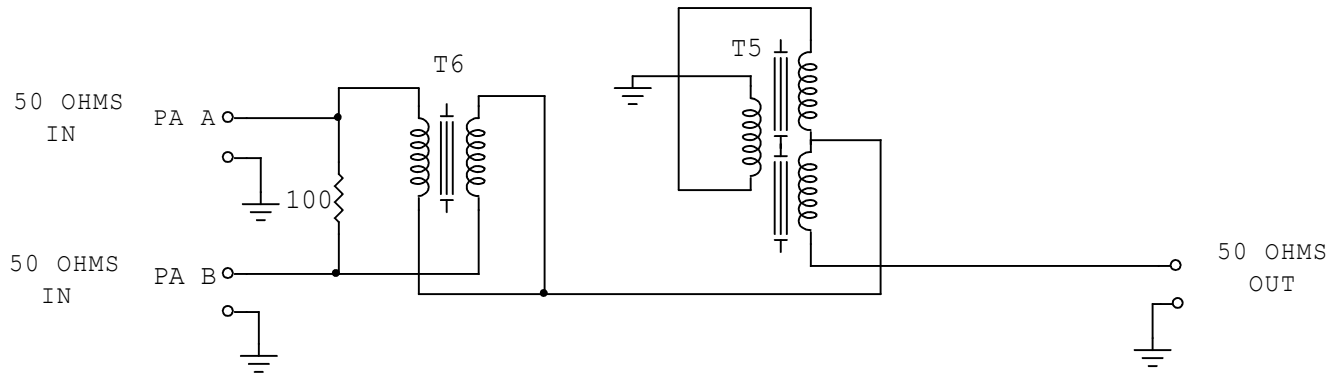
CB1 rev2.1 090227



CMB

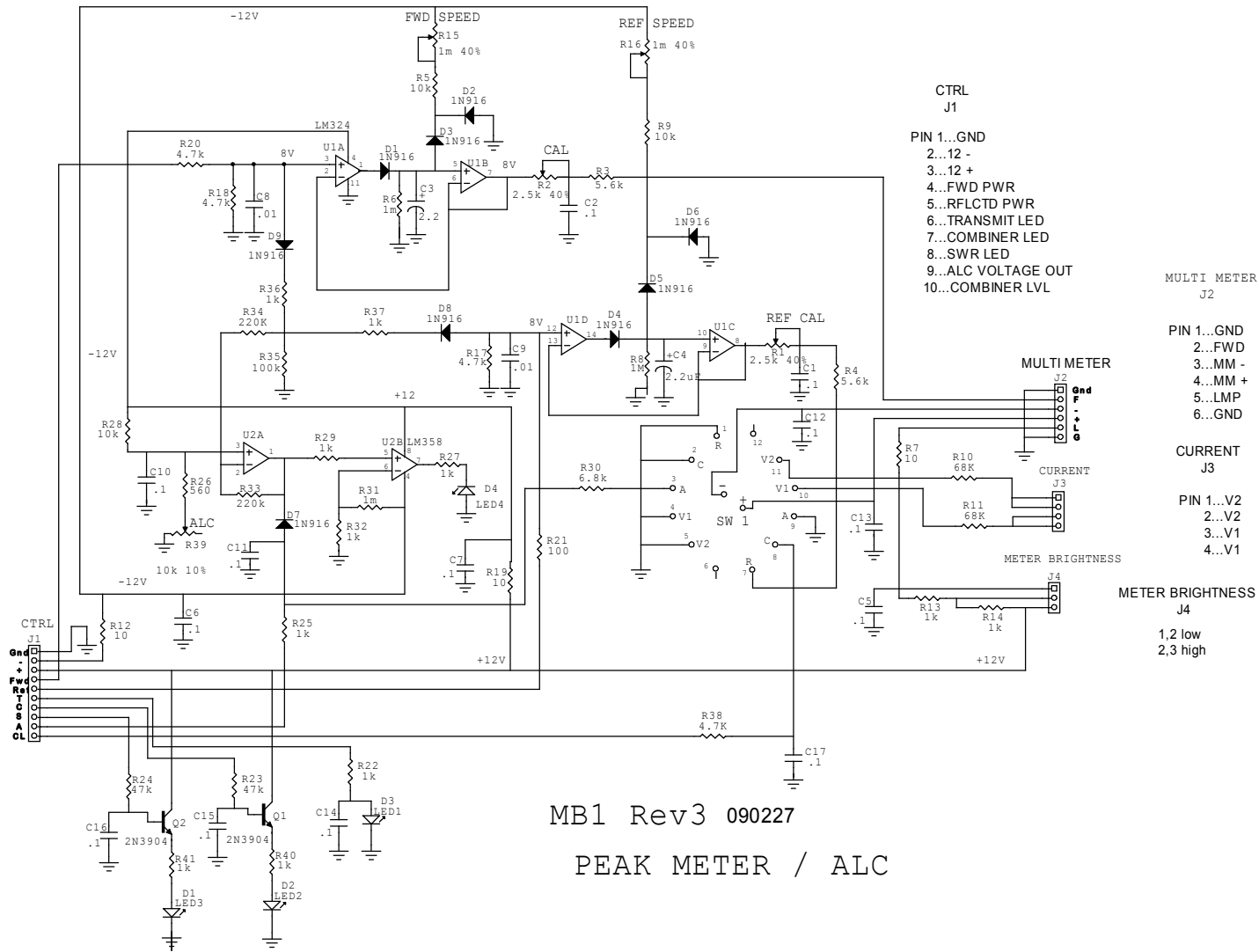
The CMB is a two-port high power combiner.

CMB 081217 rev0a



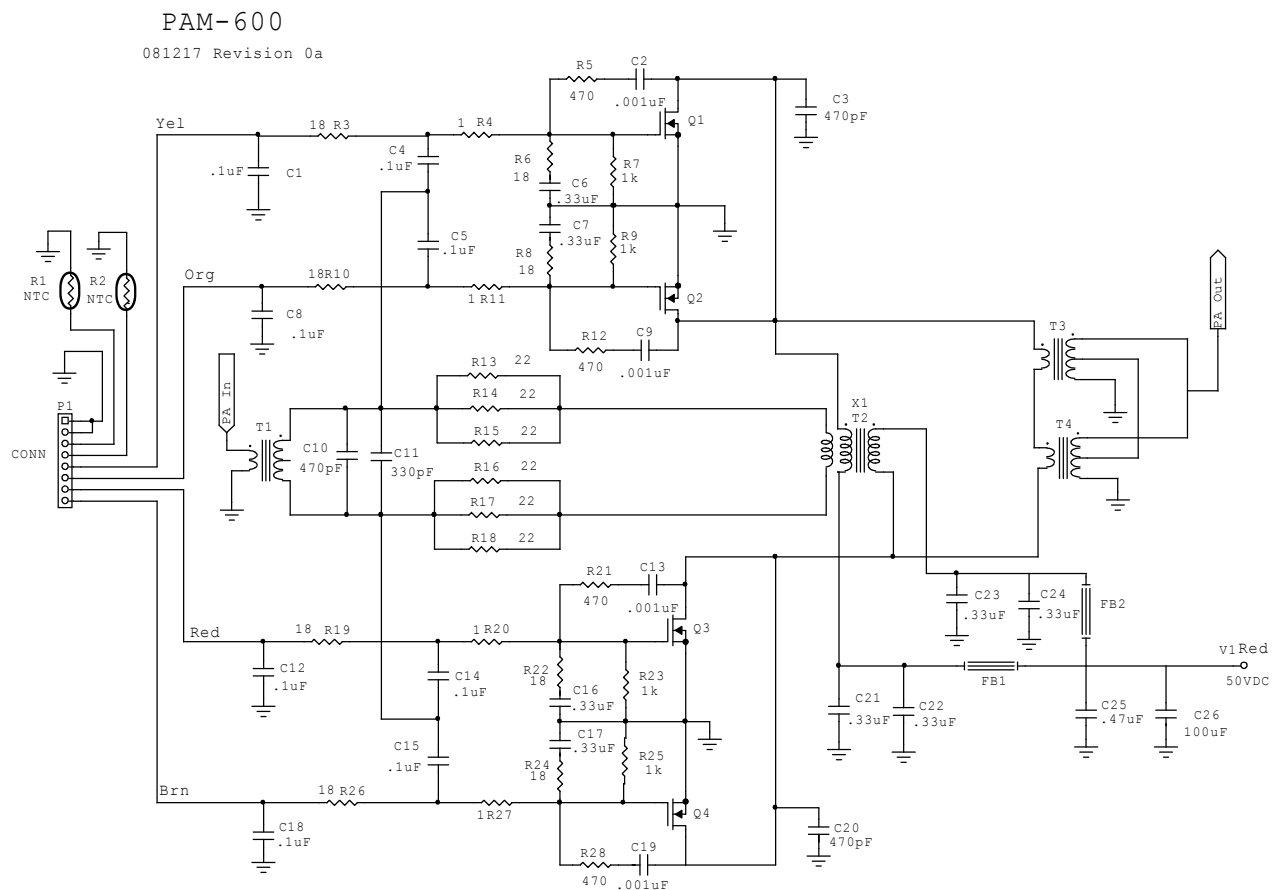
MB1

The MB1 is a meter board. It contains metering circuits and factory calibration for power meter functions. It also contains an automatic level control (ALC) circuit that allows users to set a maximum power limit for amplifier output.



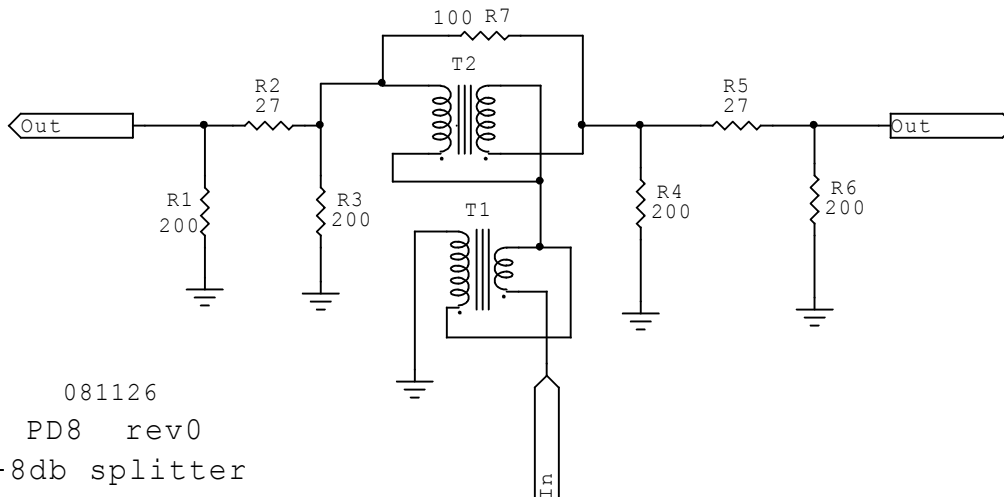
PAM (Power amplifier modules)

The PAM-600's are the 600-watt RF amplifier sections of this amplifier.



PD8

The PD8 is a two-port power divider with two built in 5 dB attenuators. It divides power between the two PA modules.

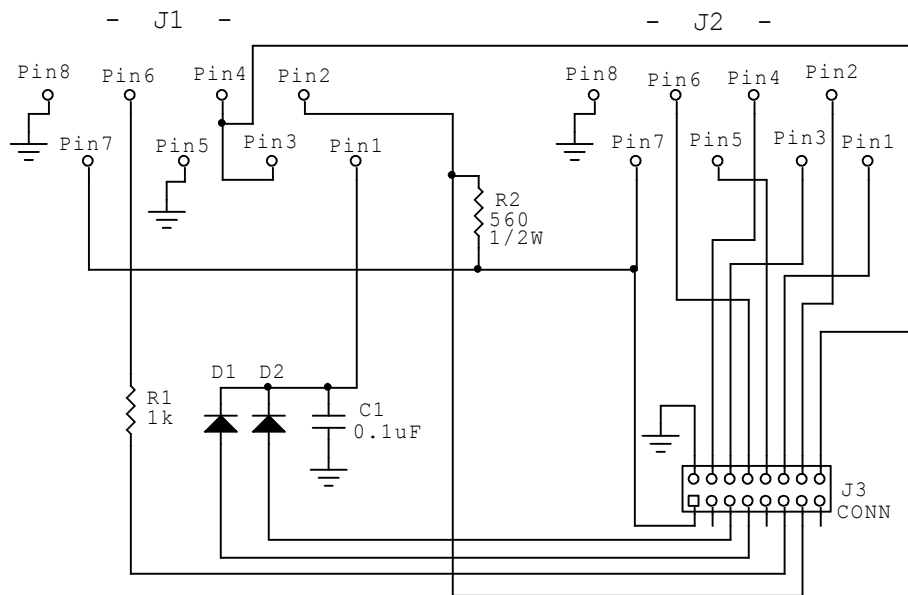


081126
PD8 rev0
-8db splitter

RJ45

The RJ45 interface contains jacks for remote control operation.

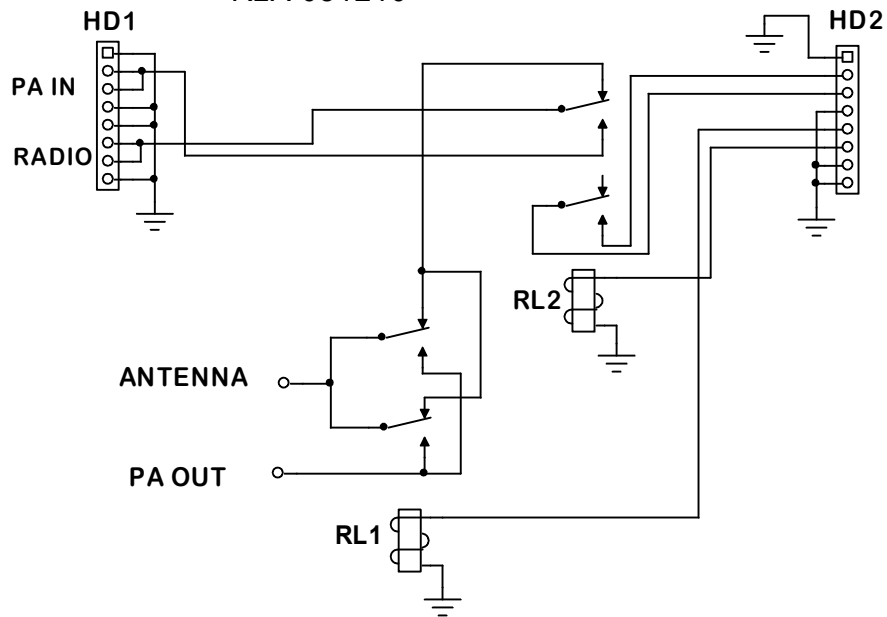
RJ45 Rev0 090217



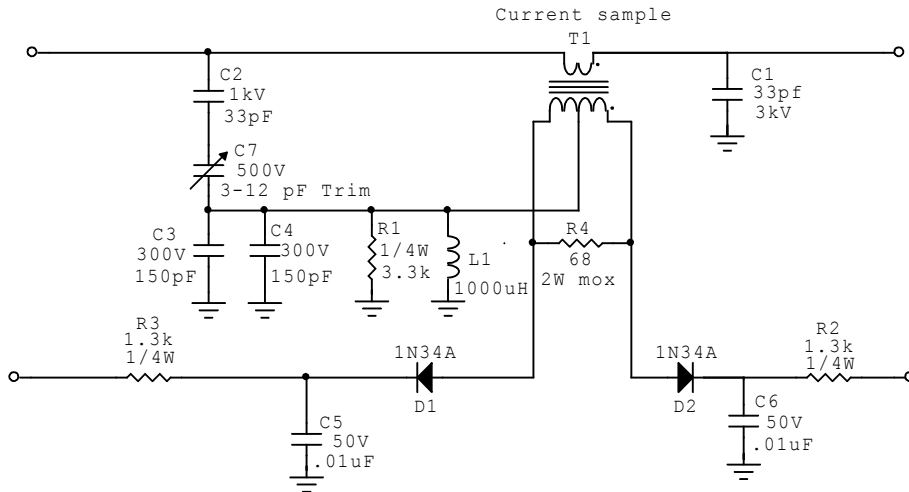
RLY

The RLY board contains transmit and receive antenna switching relays.

Mar 2, 2009

**SWR**

This is the output directional coupler and SWR detector board.



SWR directional coupler

Power and Control Wiring

