

**Notes:**

1. The two gain of 2 driver amplifiers are provided by a Marchand Electronics PM21 commercial amplifier unit. This amplifier will be separate from the main circuit board, but within the same chassis.
2. The filter on the setpoint DAC input will limit DAC noise such that it be less than the intrinsic noise of the PM21 amplifier input noise
3. The voltage monitor whitening shall be such that the amplifier quiescent output noise be visible on the ADC over the range of frequencies of ~10Hz to 1kHz.
4. The current monitors will not be whitened and will serve only as a measure of applied current.
5. The fuse function may contain active and or passive circuitry to protect against in-vacuum overcurrent damage.

**Revision History:**  
V1 – Initial release

## SR3 ROC Heater Driver PCB

