I/O

* Power
  + Internal requirements
    - Analog supply (±26.1V)
    - Logic supply
    - Relay drive supply
* Interface to Bias interconnect board
  + 8 signals plus ground
  + Most likely a 9-pin D
* Interface to ADC module
  + 8 channels plus grounds
  + ADC Requirements
    - ±5V
    - 18-bits (38uV resolution {763pA})
* Interface to DAC module
  + 8 channels
  + Channels run to both the internal cartridge driver and an external connector
* Interface to Digital Control (D-37)
  + Must drive 8 relay clusters
  + Requires at least 16 lines
* External instrumentation Interface (D-25)
  + Output from 8 DACs
  + Input from 8 external sources

New Jukka parts

Mean Well: PSC-100B-C (Power supply)

Powered USB Hub (needs at least 3 ports); Anker

USB bulkhead;

Measurement computing: USB-DIO24 (Digital I/O)

Measurement computing: USB-3103 (8 Channel DAC)

Measurement computing: USB-1808 (8 Channel ADC)

Amaranth PCB