Anemoment Pi-Hat-TriSonica Schematic Review

Issues with Second SD Card

According to section five of the BCM2835 Arm Peripherals document, the BCM SOC only supports a single SD Card interface. The device tree file, which is common between this chip and the RPi 3's BCM2837, similarly indicates a single SD card controller is available.

Raspberry Pi Connector

- The pinout matches publicly available references.

- Series Terminators? Pop-options for pullups/pulldowns?

- Verify the layout of this connector matches how you want it to mount on the RPI.

Serial Port LTC2870

- Not sure what sort of driver support is needed/available for functionality beyond UART. Maybe you could talk me though it?

- Pinout matches datasheet.

- TX/RX pins appear correct.

- According to the datasheet, DZ should not be floated.

Level Converter ST3232ECTR

- Pinout matches datasheet.

RTC DS1307Z+T&R

- Pinout matches datasheet.

TriSonica Power Supply

- Pinout matches datasheet.