0g -

$5v \sim$ **GND** $\circ 2$ 9496 98 ⊸9 910 -0 11CS 0 12 CLK **~**13 914 off916 ~ 15 ~ 17 918 **⊸**19 920**~**21 922 **~**23 924 ~ 25 926 ~ 27 928 **~**29 930 2g o-**⊸**31 932**⊸**33 $\circ 34$ ~ 35 936 -037 938 **CLK** -039 940

Schematic for A/D Board to Interface Radios to Raspberry Pi

Figure 1: A/D interface board between radios and RaspberryPi header

D+5v+5v

of on

relayb2

We plan to etch a circuit board to attach to the GPIO header on the Raspberry Pi computer, which will convert analog signal strength voltages coming from the radios to digital values.

The f rst stage of this project is to document an authoritative circuit schematic diagram for the board. We plan to then use the open-source KiCad software to layout the etched board, from which the board can be produced.