

J1-1 MB_DIN_01
J1-2 MB_DOUT_01
J1-3 MB_DIN_23
J1-4 MB_DOUT_23

J1-9	MCL K
J1-10	BCL K
J1-11	GND
J1-12	LRCL K

These need to be loaded as part of a controlled process outside of the Raspberry Pi `"/boot/config.txt"` device tree loader. The device tree loader allows a race condition that will cause them to load in a random order which causes then to change GPIO output addresses. This causes SUXLink to talk to the wrong pins intermittently.

[illegible]

U15

8 2 ADC1_ALERT

4 AIN0

5 AIN1

6 AIN2

7 AIN3

10 ADDR

10 SCL

3 GND

9 I2C1_SDA1_5V

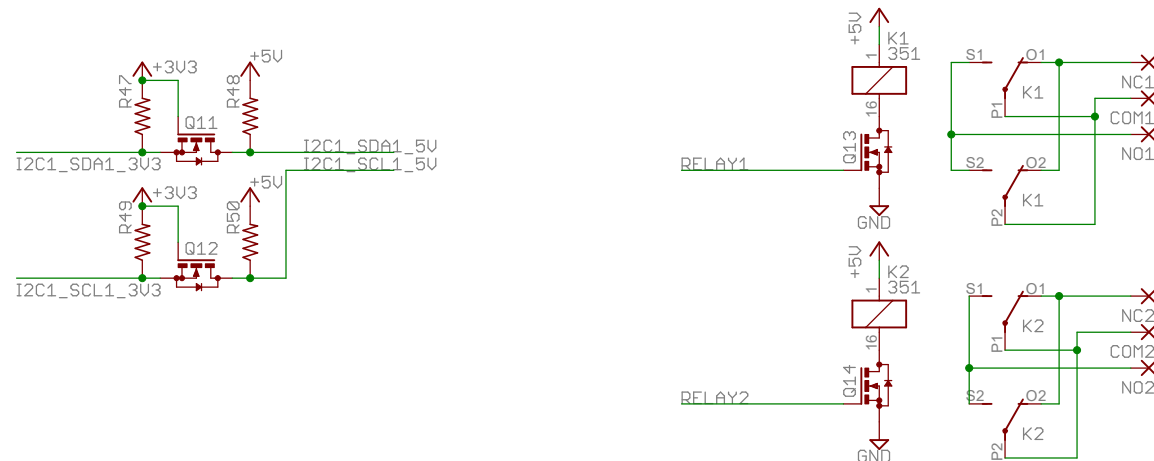
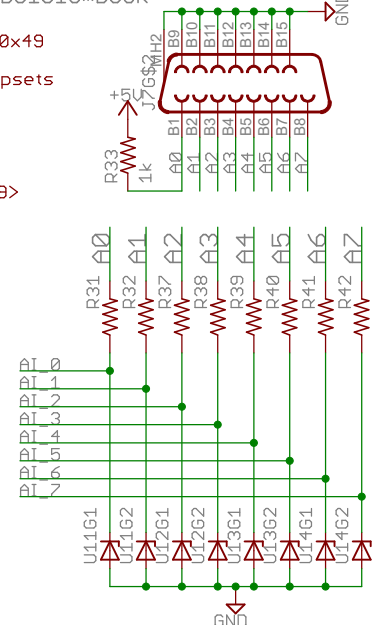
1 I2C1_SCL1_5V

5V

GND

ADS1015*DGSR

```
UART I2C Address 0x48/0x49
/boot/config.txt entry
#load ADI1015 (ADC) chipsets
dtoverlay=ads1015,
dtparam=cha_enable=true
dtparam=chb_enable=true
dtparam=chc_enable=true
dtparam=chd_enable=true
dtparam=addr=<0x48/0x49>
dtparam=cha_cfg=4
dtparam=chb_cfg=4
dtparam=chc_cfg=4
dtparam=chd_cfg=4
dtparam=cha_data_rate=4
dtparam=chb_data_rate=4
dtparam=chc_data_rate=4
dtparam=chd_data_rate=4
dtparam=cha_gain=2
dtparam=chb_gain=2
dtparam=chc_gain=2
dtparam=cha_gain=2
```



Sheet: 1/5

