

# HAM radio controller for the Raspberry PI

## I2C addresses

In order to make the board as independent as possible from the computer used, all ports (analog and digital I / O) are controlled via i2c. Since practically every SBC, Arduino, controller can operate the i2c bus, it can be used universally.

### I2C addresses and port assignment of the MCP23017 Port Expander:

**Adresse: 0x40 (Bit0=R/W)**

Outputs Ports 0..15

**Adresse: 0x42 (Bit0=R/W)**

Input Ports 0..15 (14,15 not used)

### Allocation of the ADCs on the MAX11615EEET:

**Address: 0x66 (Bit0 = R / W)**

ADC 0: ADCUNIV1

ADC 1: ADCUNIV2

ADC 2: ADCUNIV3

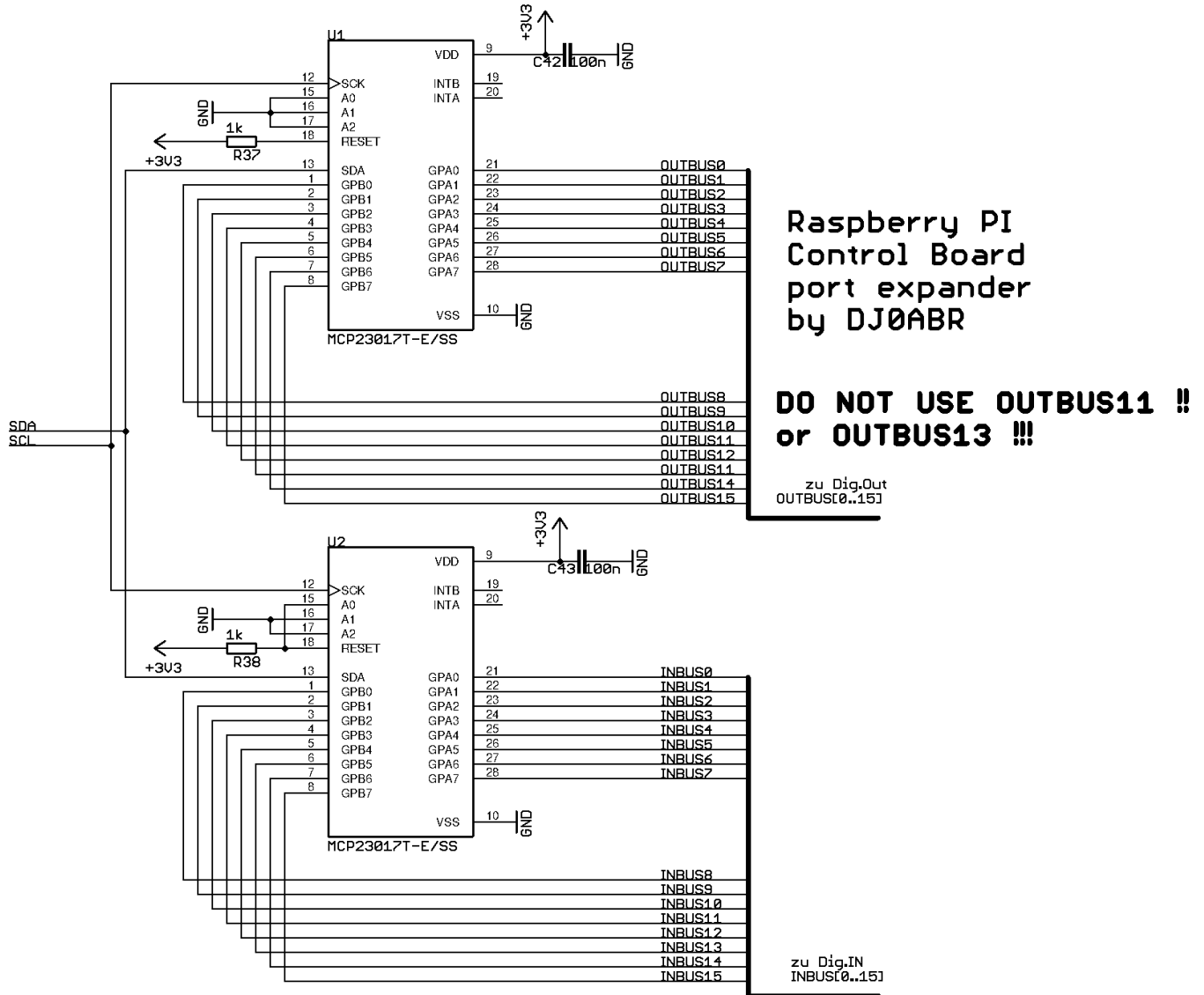
ADC 3: ADCUNIV4

ADC 4: ADCTEMP1

ADC 5: ADCTEMP2

ADC 6: current measurement

ADC 7: voltage measurement



From: <http://projects.dj0abr.de/> - DJ0ABR Projects

Permanent link: [http://projects.dj0abr.de/doku.php?id=en:rpictlbrd:ctlbrd\\_schports](http://projects.dj0abr.de/doku.php?id=en:rpictlbrd:ctlbrd_schports)

Last update: 2021/04/08 23:51

