

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

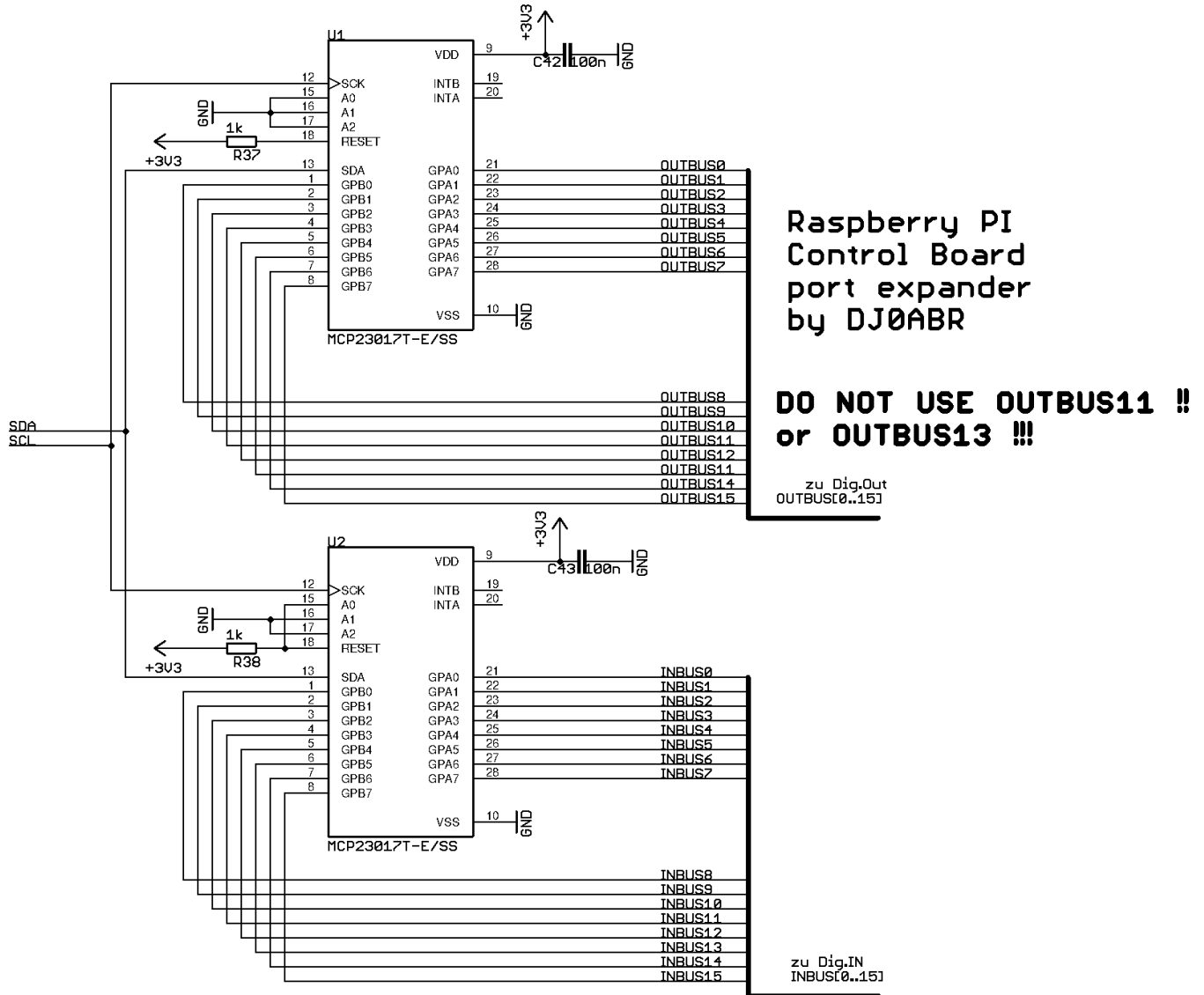
ADC 3: ADCUNIV4

ADC 4: ADCTEMP1

ADC 5: ADCTEMP2

ADC 6: current measurement

ADC 7: voltage measurement



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