

HAM radio controller for the Raspberry PI

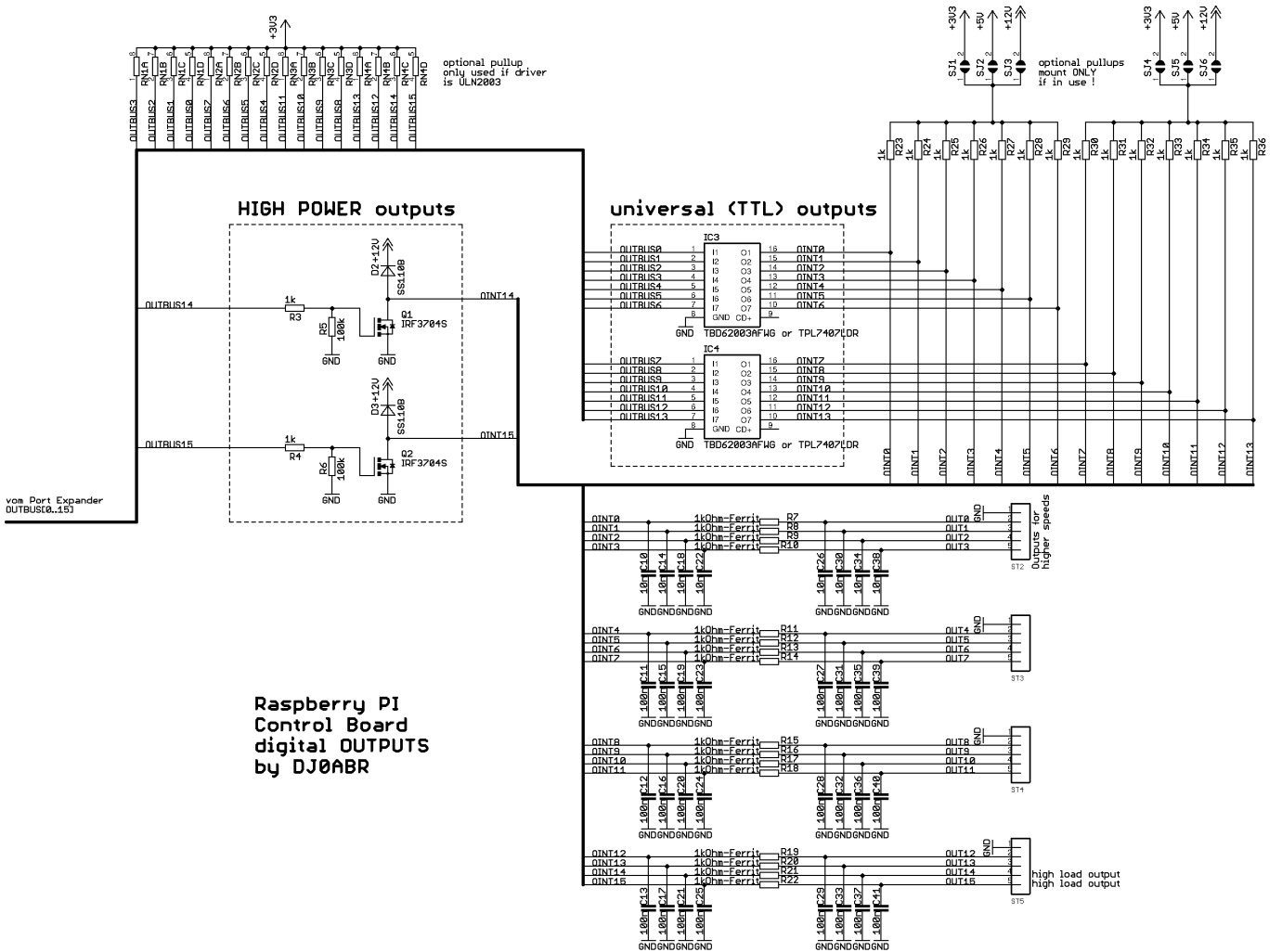
Digital outputs

2x MOSFET high-current outputs are available. These have built-in reverse diodes against the external supply voltage and are therefore particularly suitable for switching inductive loads (relays) that are operated with supply voltage.

14 pcs. Outputs. These are universal outputs that switch to ground via a ULN2003 (CMOS Version) driver. The pull-up resistors are connected to a selectable voltage via jumpers. If you want a pure open collector output without pull-up, these resistors are not fitted.

CAUTION: because of a layout error OUT11 and OUT13 must NOT be used (short circuit at U1 pin 4 and 6). A manual correction of the lines is possible.

(click to enlarge)



ST2:

1. GND
2. OUT0
3. OUT1

- 4. OUT2
- 5. OUT3

ST3:

- 1. GND
- 2. OUT4
- 3. OUT5
- 4. OUT6
- 5. OUT7

ST4:

- 1. GND
- 2. OUT8
- 3. OUT9
- 4. OUT10
- 5. OUT11

ST5:

- 1. GND
- 2. OUT12
- 3. OUT13
- 4. OUT14 (high current output)
- 5. OUT15 (high current output)

SJ1 to SJ6: Selection of the PullUp voltage. **If no pullup is required, the corresponding resistor (R19 to R30) must not be populated!

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Last update: **2021/04/08 23:55**

