

HY-controlboard

Generic purpose control board for measurements and control

Version 2.3 Schematics

Known issues, date: 2018-10-04:

- Pull down & down resistors need to be added for rs485/422 . (eg. 750ohm)

- R39, R44 removed. Caused unwanted echoing in serial.

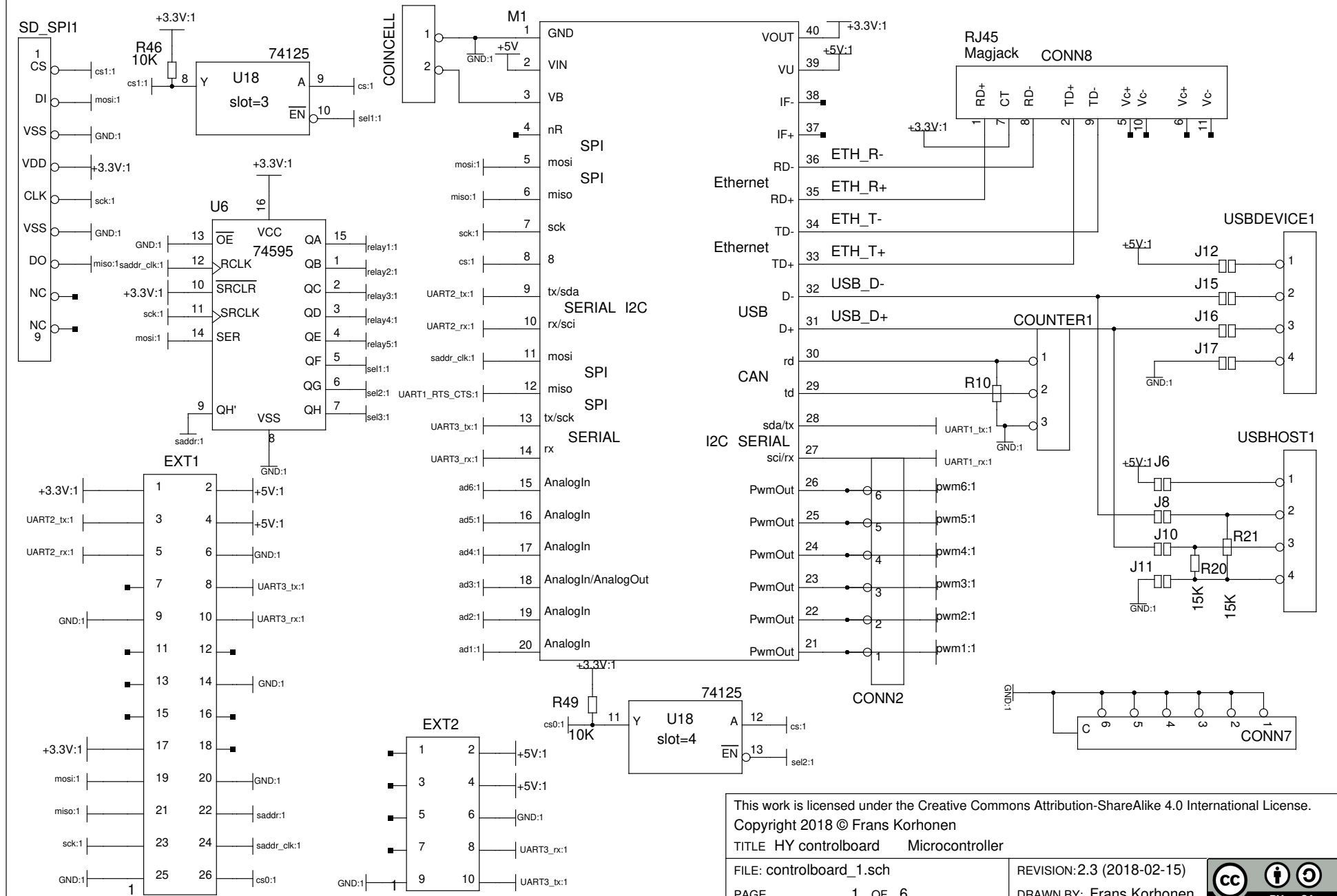
- 10K pull-up needed for serial1 RTS. Connect between J43 and 12V. (RS485 transmit need to be non-active when serial1 cable disconnected.)

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HY controlboard was originally developed at Institute for Atmospheric and Earth System Research / Physics,
Faculty of Science, University of Helsinki, Finland

Assistance, experience, and feedback from following persons have been critical in the original work: Erkki Siivola, Lauri Ahonen, Juha Kangasluoma, Pasi Aalto, Markku Kulmala and Tuukka Petäjä.

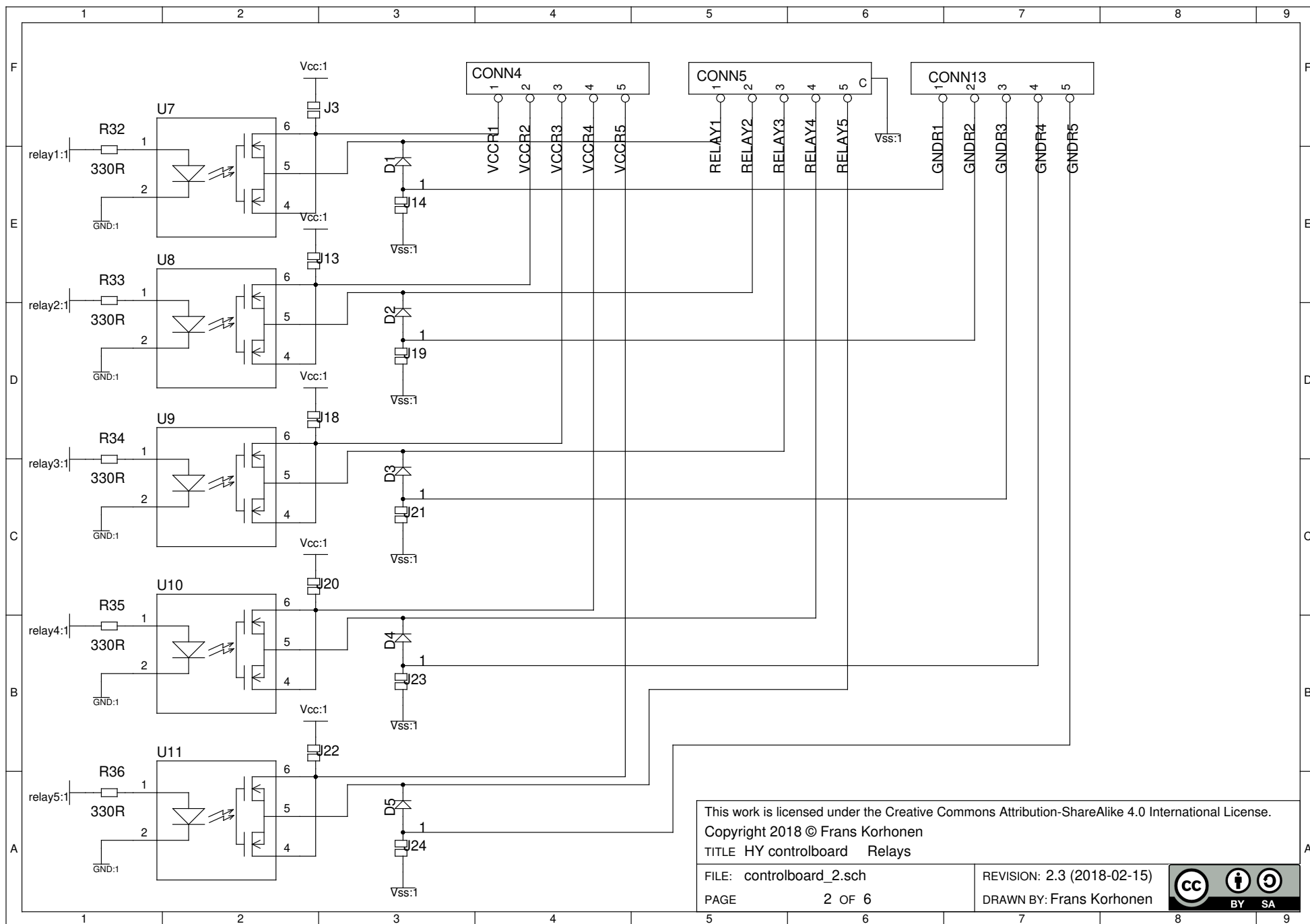
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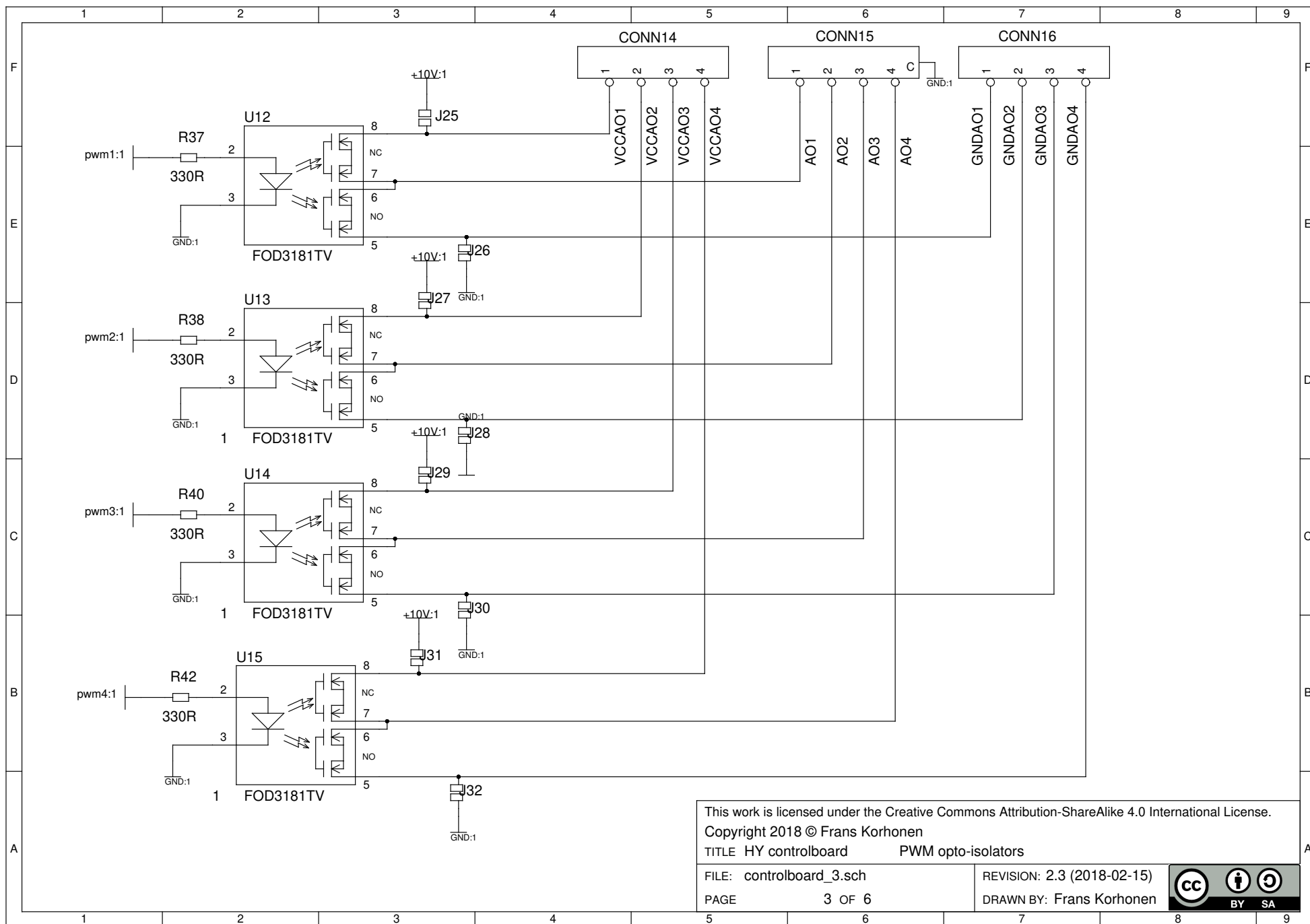
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 TITLE HY controlboard Microcontroller
 FILE: controlboard_1.sch
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 REVISION: 2.3 (2018-02-15)
 DRAWN BY: Frans Korhonen



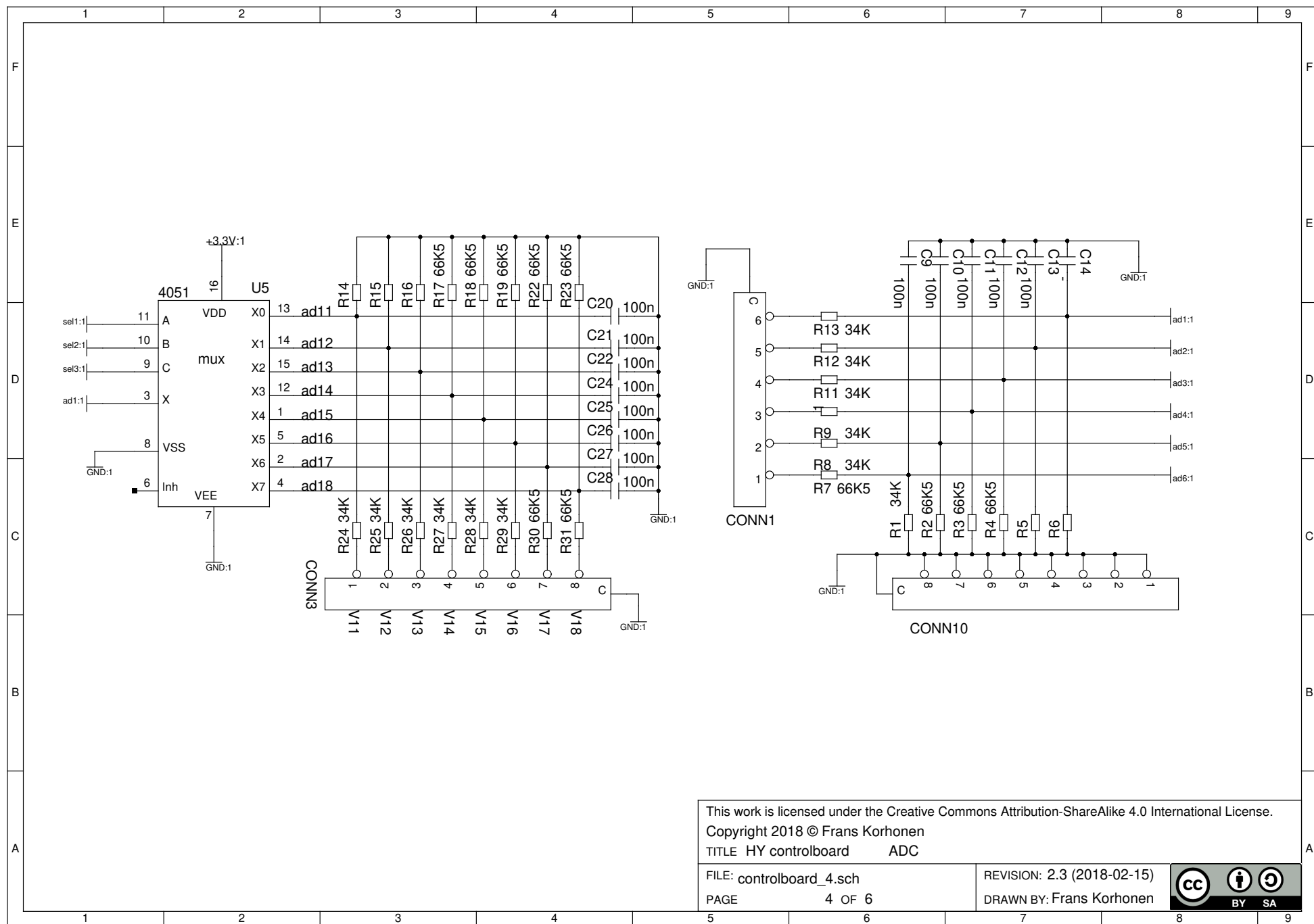
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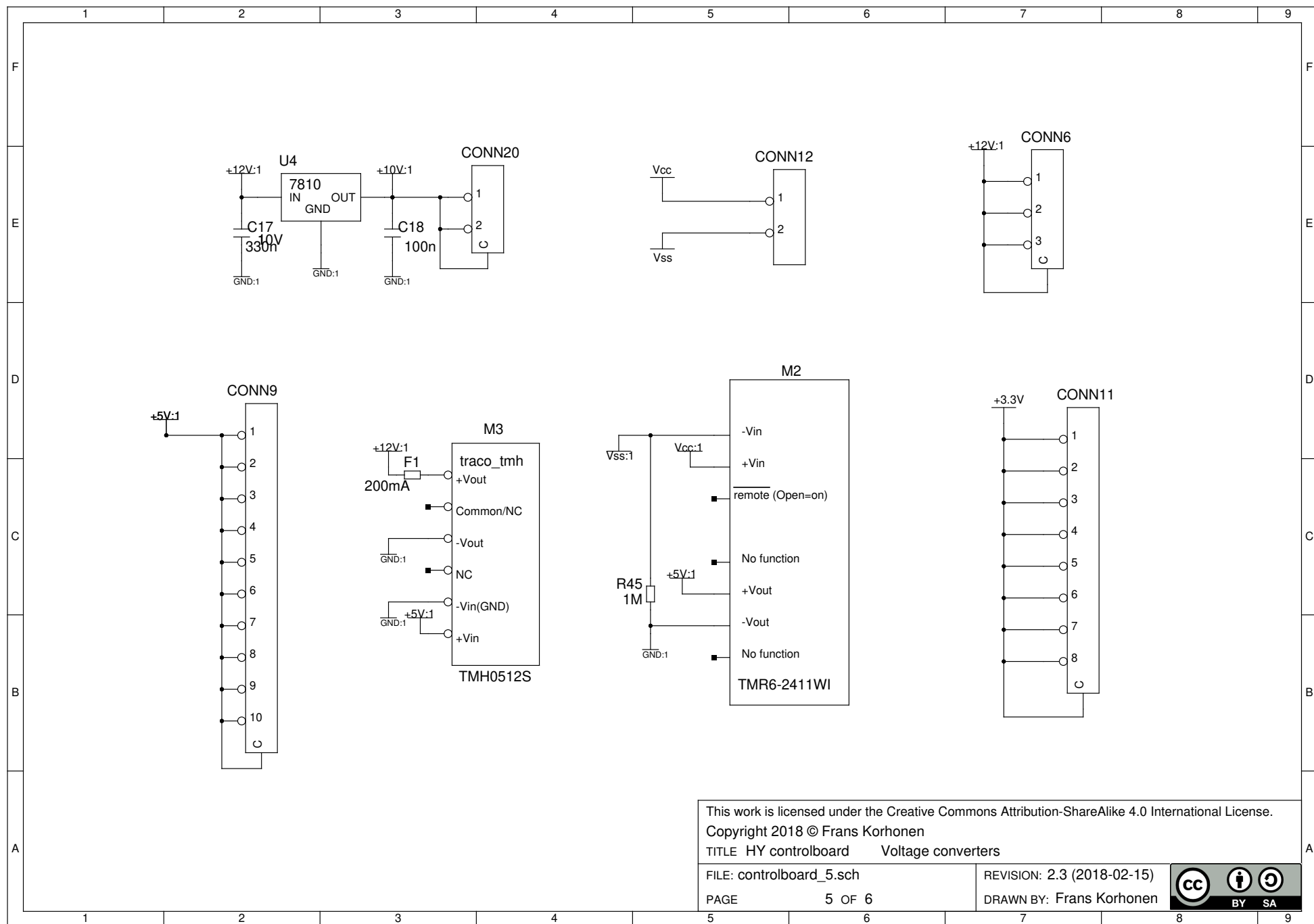
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