

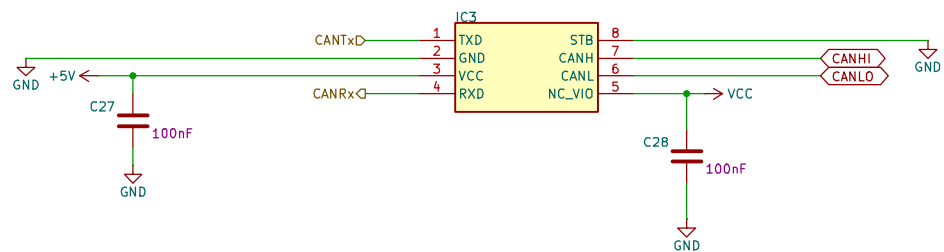
Sheet: /PowerNode/
File: PowerNode.kicad_sch

Title: Power Node

Size: A4
KiCad E.D.A. 8.0.1

Date:

Rev: 1
Id: 1/15



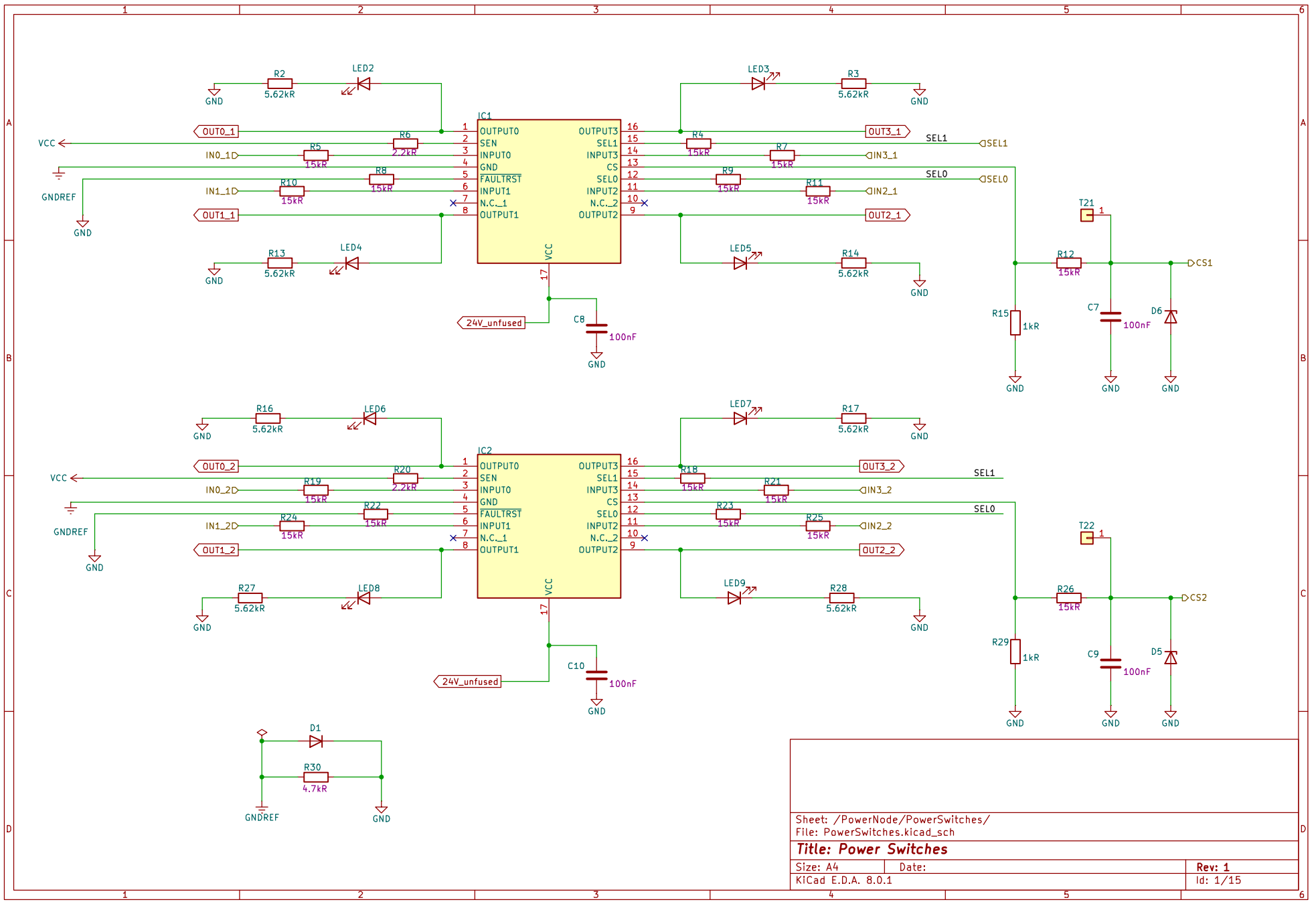
Sheet: /PowerNode/CAN_PowerNode/
File: CAN_PowerNode.kicad_sch

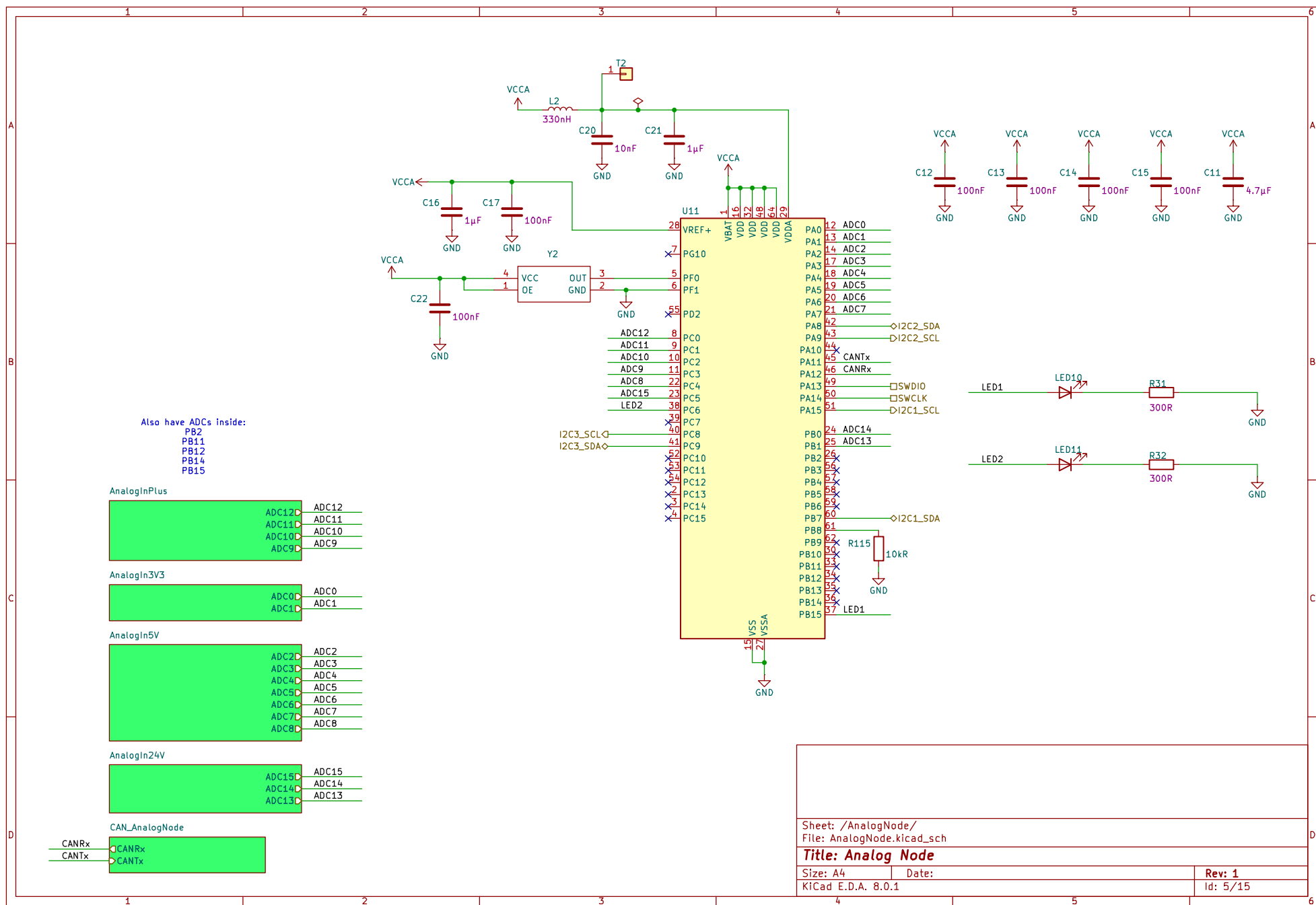
Title: CAN for Power Node

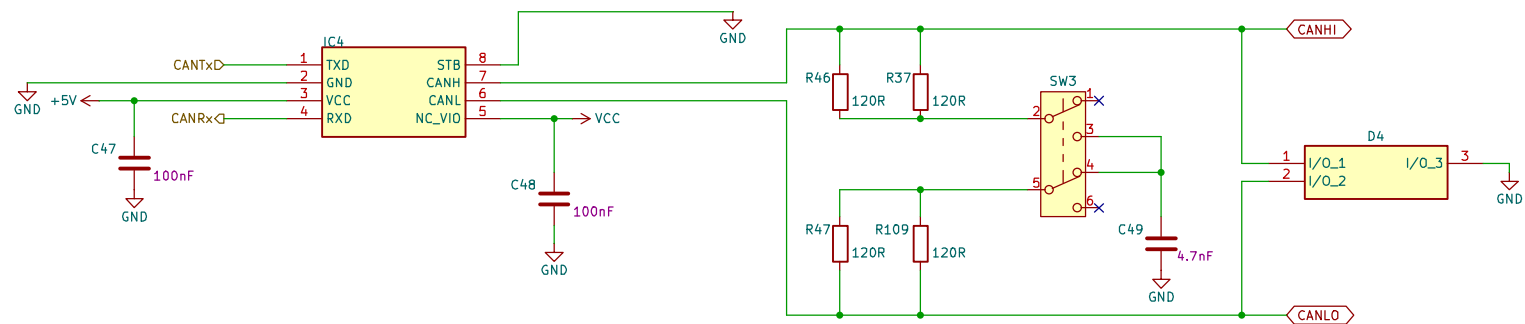
Size: A4
KiCad E.D.A. 8.0.1

Date:

Rev: 1
Id: 1/15







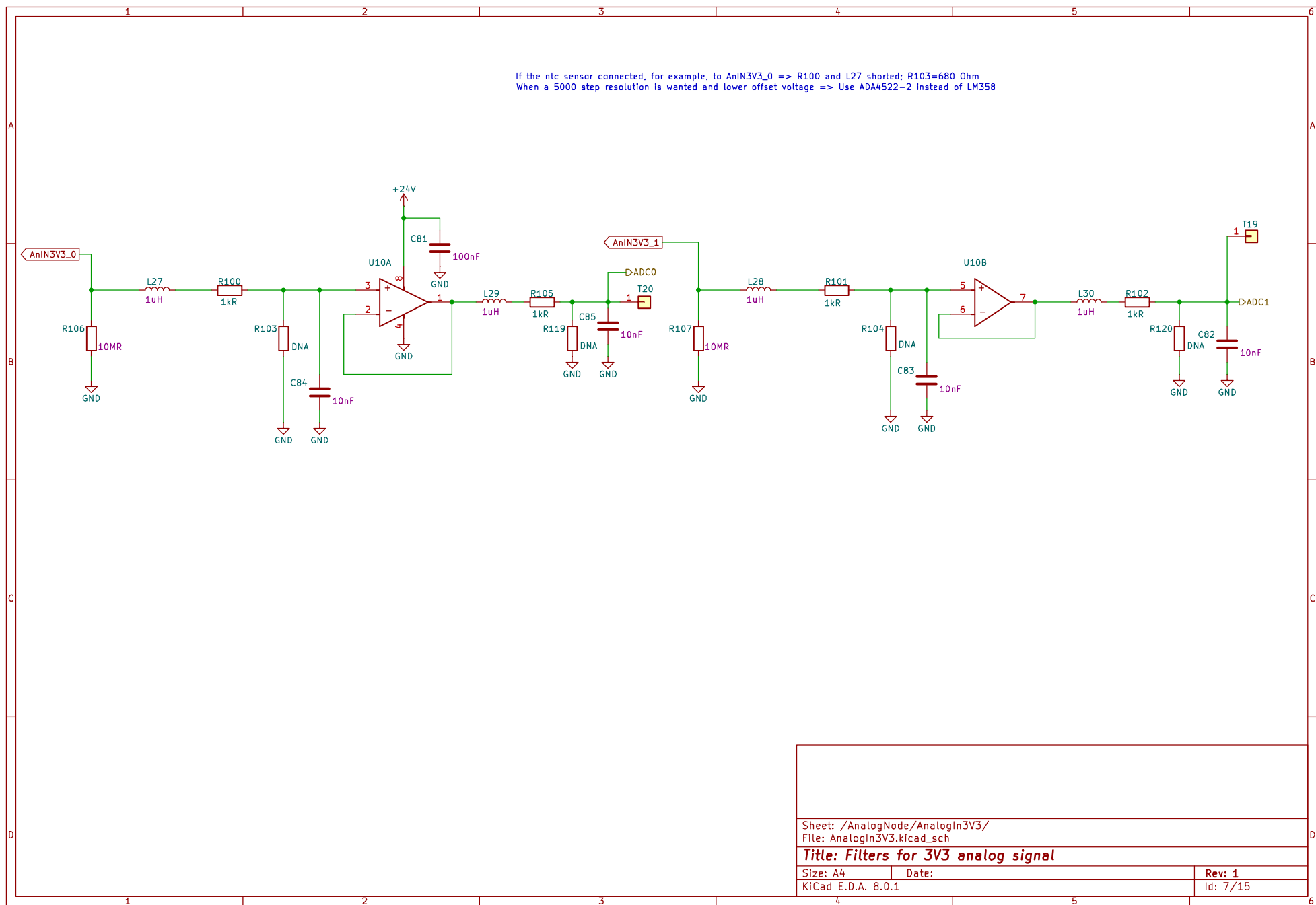
Sheet: /AnalogNode/CAN_AnalogNode/
File: CAN_AnalogNode.kicad_sch

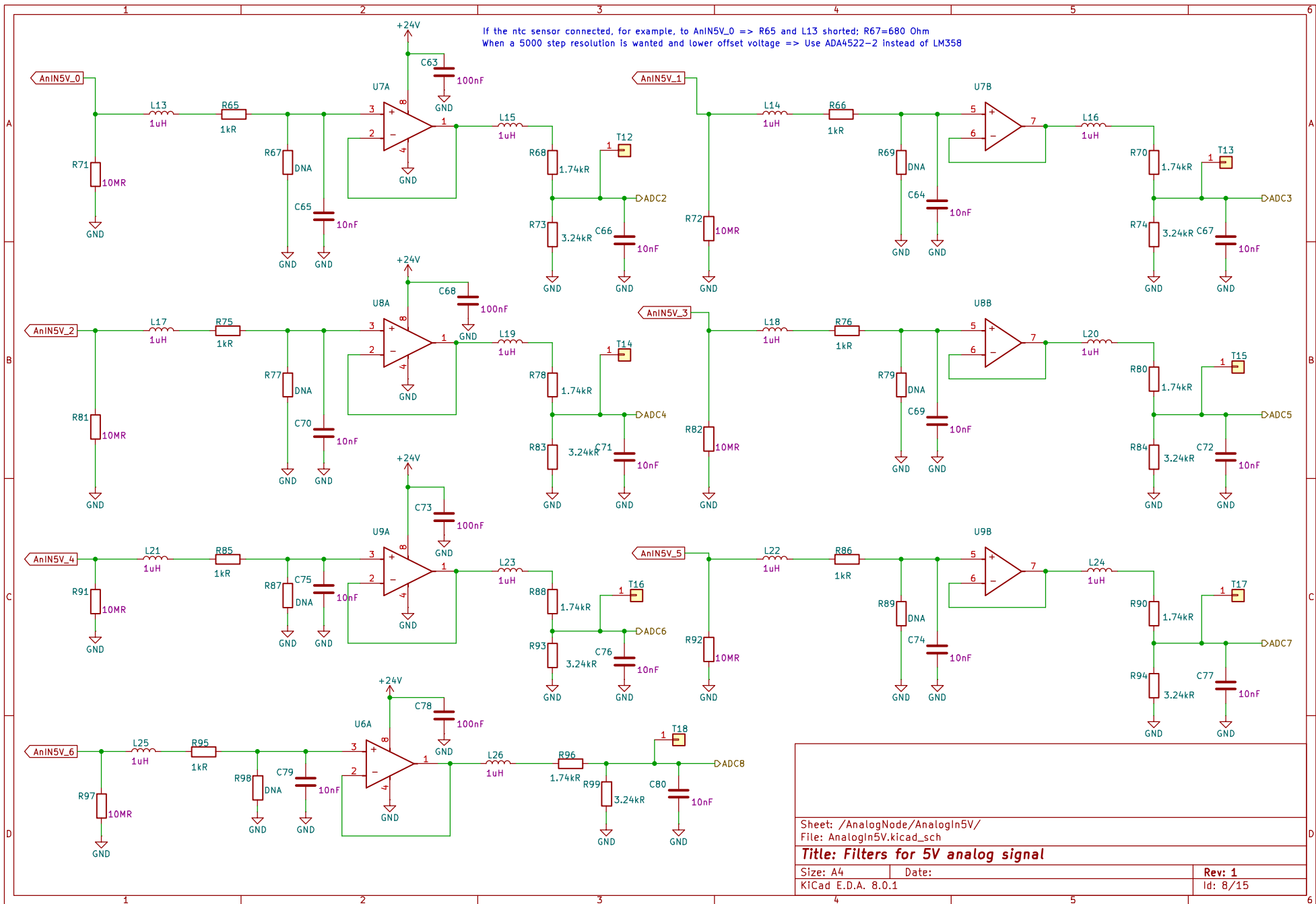
Title: CAN for Analog Node

Size: A4
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Date:

Rev: 1
Id: 1/15





Sheet: /AnalogNode/AnalogIn5V/
File: AnalogIn5V.kicad_sch

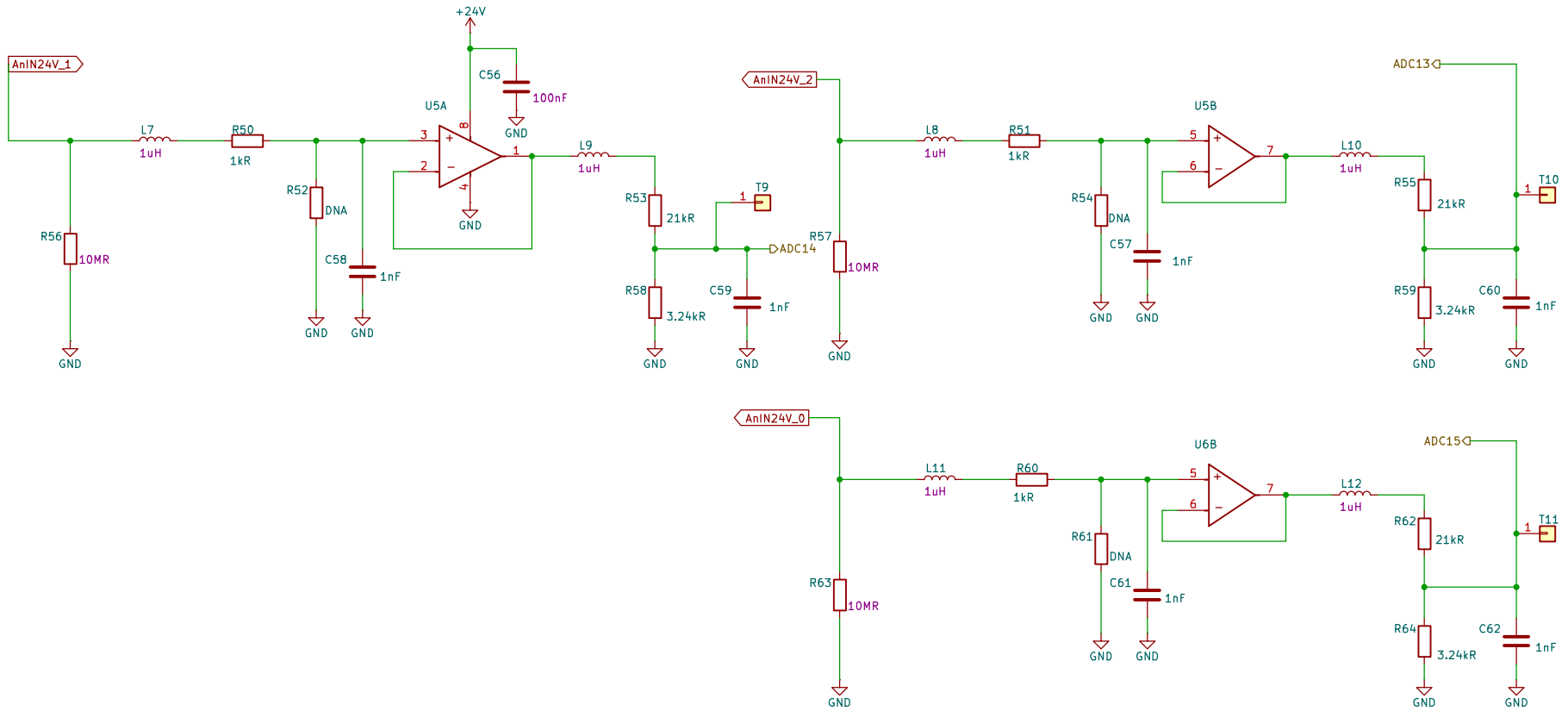
Title: Filters for 5V analog signal

Size: A4
KiCad E.D.A. 8.0.1

Date:

Rev: 1
Id: 8/15

If the ntc sensor connected, for example, to AnIN24V_0 => R50 and L7 shorted; R52=680 Ohm
When a 5000 step resolution is wanted and lower offset voltage => Use ADA4522-2 instead of LM358



Sheet: /AnalogNode/AnalogIn24V/
File: AnalogIn24V.kicad_sch

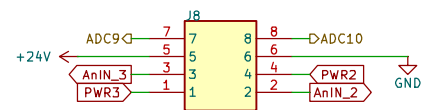
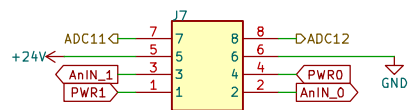
Title: Filters for 24V analog signal

Size: A4
KiCad E.D.A. 8.0.1

Date:

Rev: 1

Id: 1/15



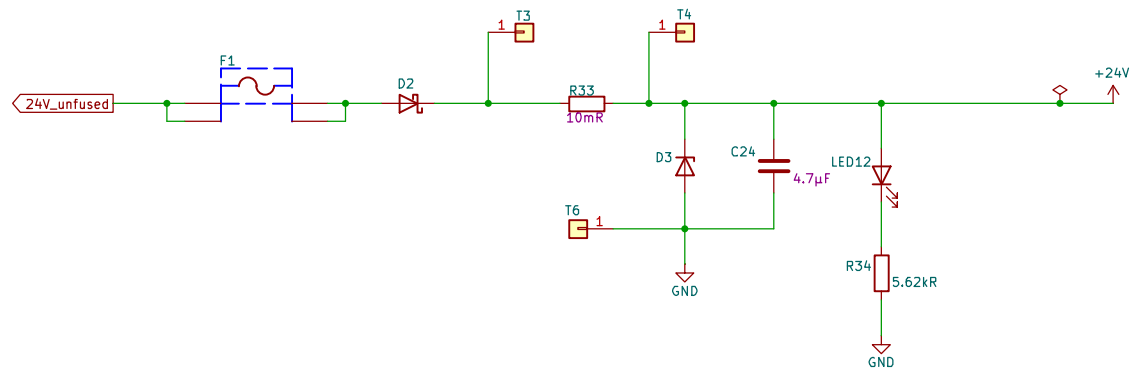
Sheet: /AnalogNode/AnalogInPlus/
File: AnalogInPlus.kicad_sch

Title: Additional Connections for Filters

Size: A4
KiCad E.D.A. 8.0.1

Date:

Rev: 1
Id: 1/15



Power3V3



Power5V



Power3V3_An



Sheet: /Power/
File: Power.kicad_sch

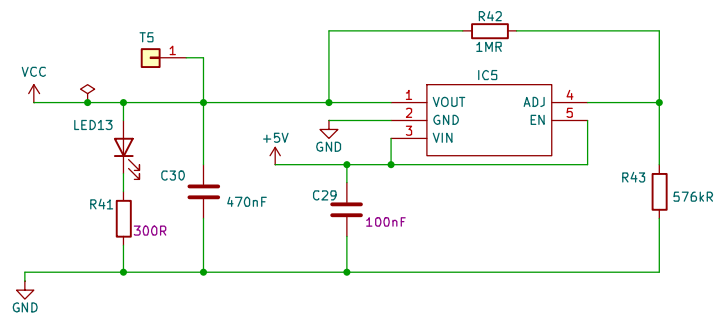
Title: Power

Size: A4
KiCad E.D.A. 8.0.1

Date:

Rev: 1
Id: 1/15

The circuit below is for an adjustable version (ST730MR).
 It is recommended to use a fixed voltage regulator (ST730M33R).
 In order for the circuit to be suitable for a fixed regulator, remove R42 and R43.
 $V_{out}=1.2*(1+R42/R43)$



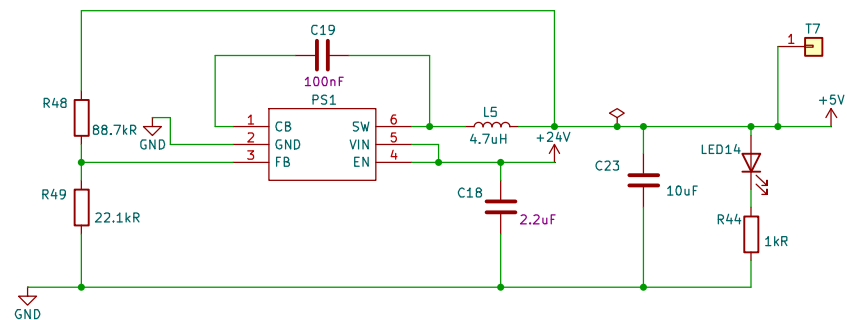
Sheet: /Power/Power3V3/
 File: Power3V3.kicad_sch

Title: Power 3V3

Size: A4 Date:
 KiCad E.D.A. 8.0.1

Rev: 1
 Id: 1/15

The circuit below is for an adjustable version (LMR50410YFQDBVRQ1).
 It is recommended to use a fixed voltage regulator (LMR50410Y5FQDBVRQ1).
 In order for the circuit to be suitable for a fixed regulator, it is necessary to connect the FB pin to the SW pin directly, so for this remove R49, and solder a jumper in place of R48.



Sheet: /Power/Power5V/
 File: Power5V.kicad_sch

Title: Power 5V

Size: A4
 KiCad E.D.A. 8.0.1

Date:

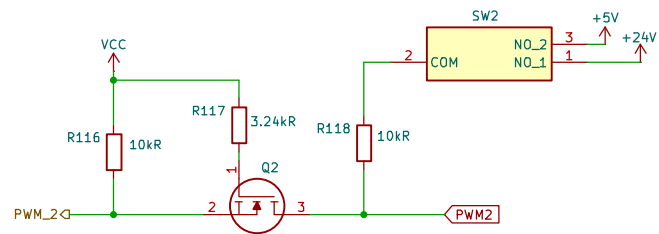
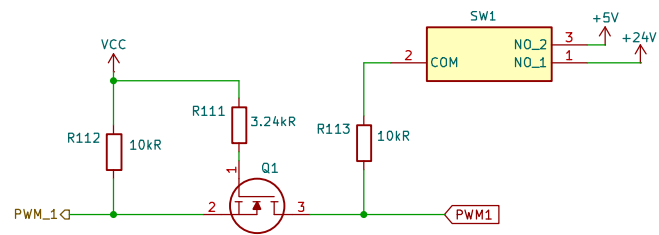
Rev: 1
 Id: 1/15

Sheet: /Power/Power3V3_An/
File: Power3V3_An.kicad_sch

Size: A4	
KiCad E.D.A. 8.0.1	

Rev: 1

Id: 14/15



Sheet: /PowerNode/PWM Level Shifter/
File: PWM.kicad_sch

Title: PWM Level Shifter

Size: A4
KiCad E.D.A. 8.0.1

Date:

Rev:
Id: 15/15