

Pablo Slavkin

dci

Sheet: /ethernet/

File: ethernet.sch

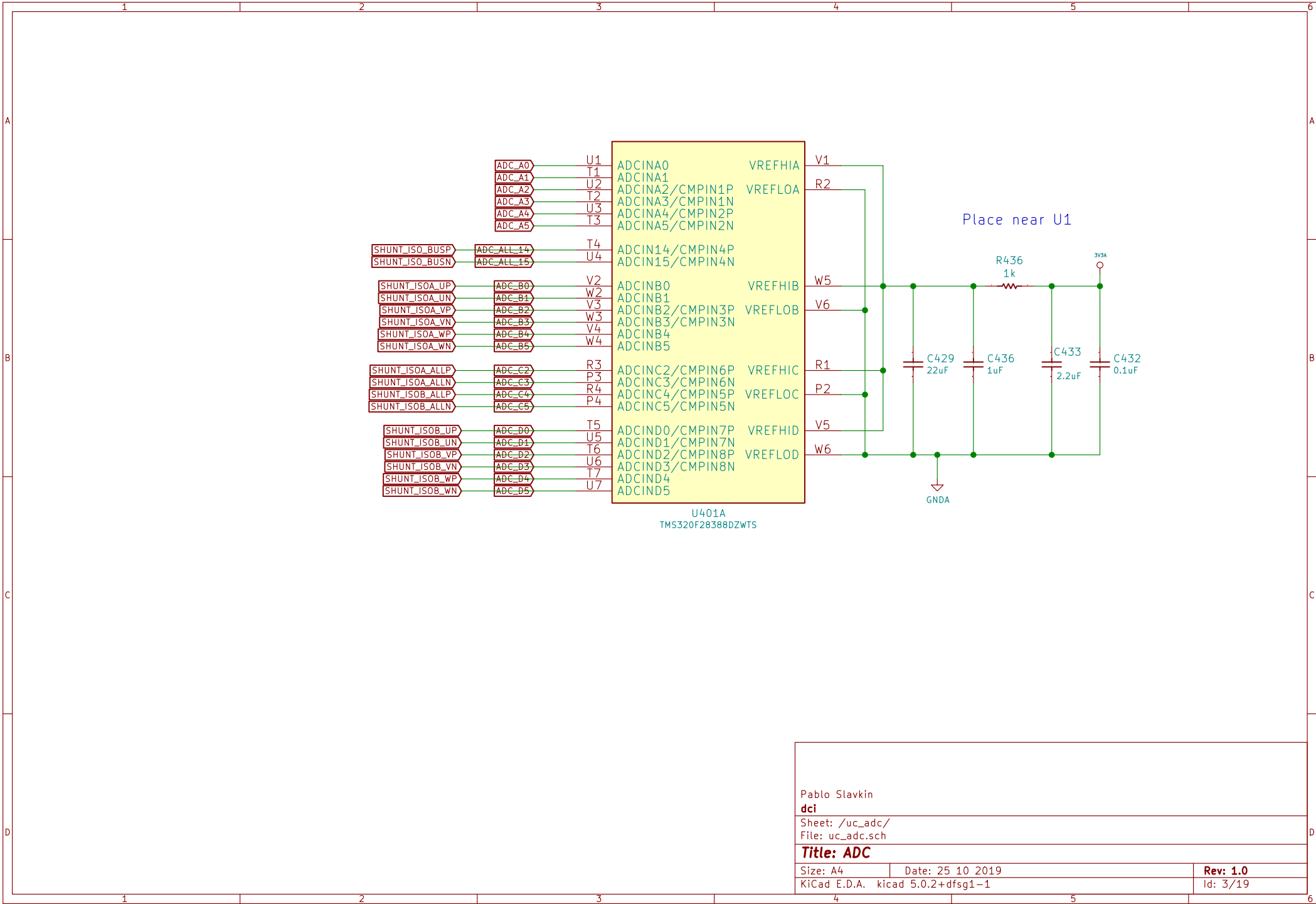
Title: ethernet

Size: A4 Date: 25 10 2019

KiCad E.D.A. kicad 5.0.2+dfsg1-1

Rev: 1.0

Id: 2/19



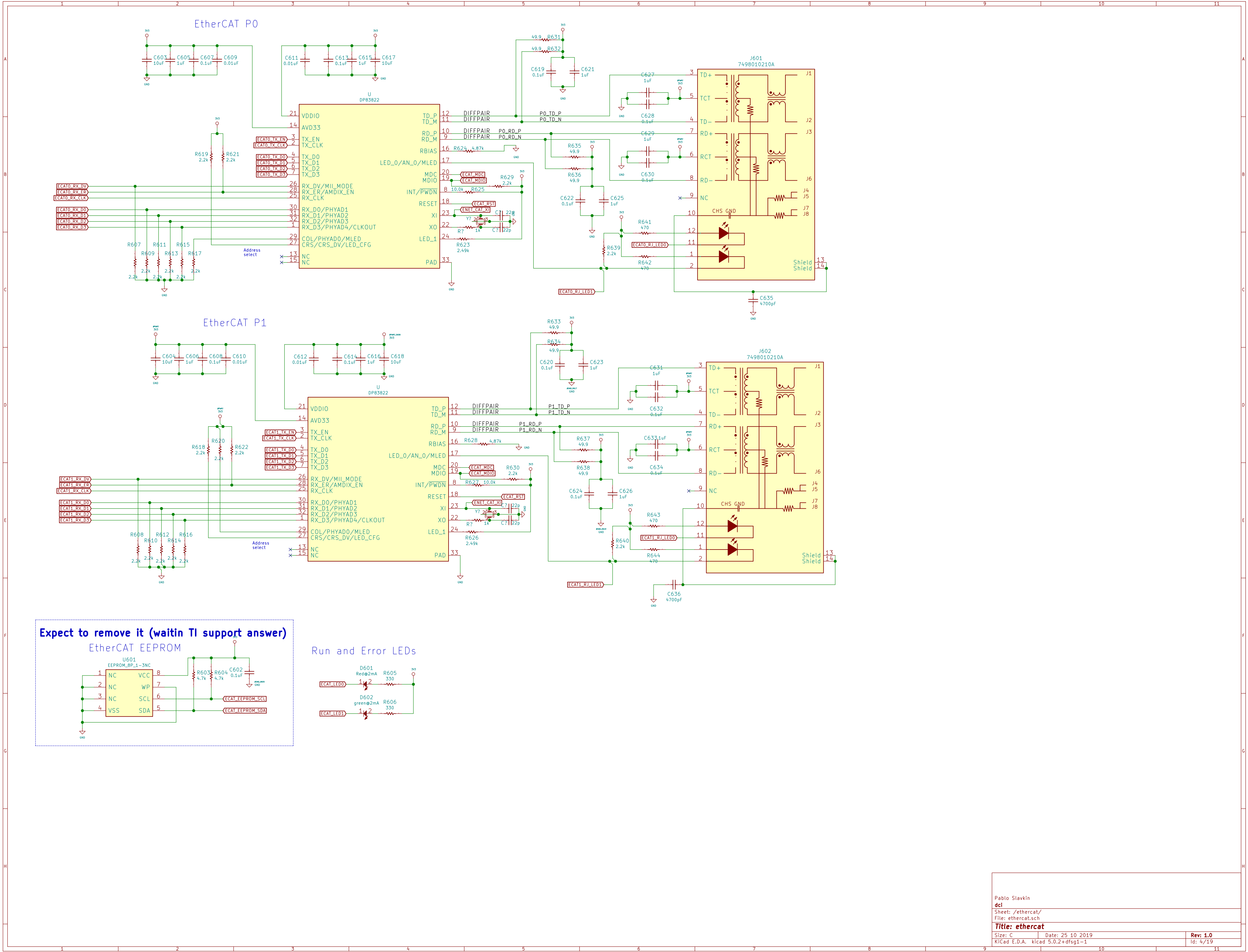
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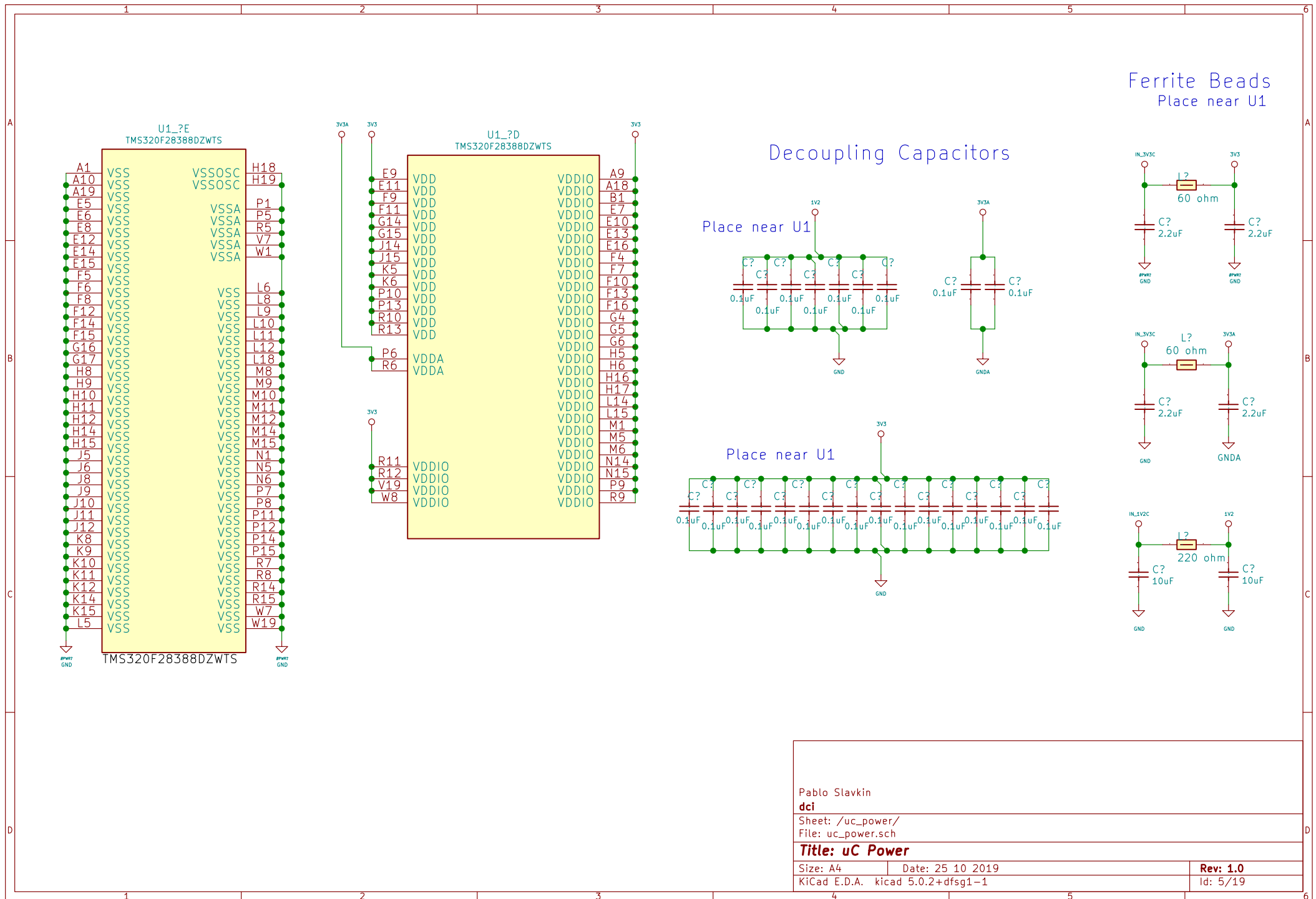
Sheet: /uc_adc/
File: uc_adc.sch

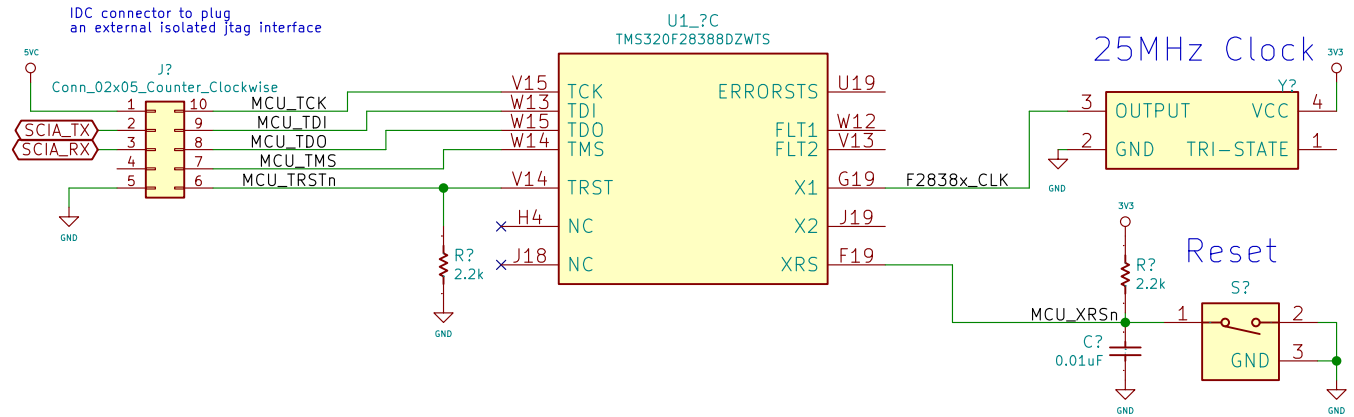
Title: ADC

Size: A4 Date: 25 10 2019
KiCad E.D.A. kicad 5.0.2+dfsg1-1

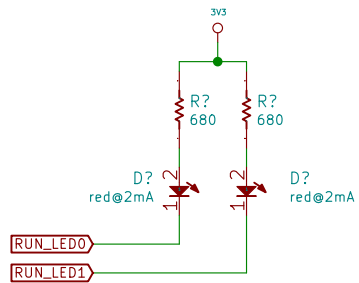
Rev: 1.0
Id: 3/19



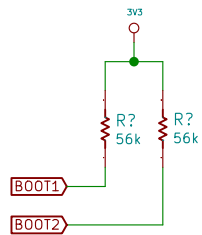




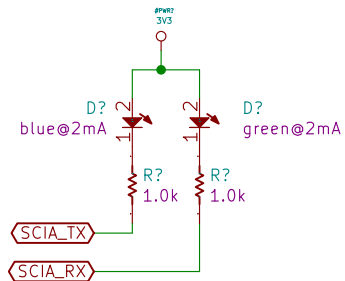
Multipurpose
LEDs



Boot Mode to
Flash/USB



SCI leds



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Sheet: /uc_clk_dbg/
File: uc_clk_dbg.sch

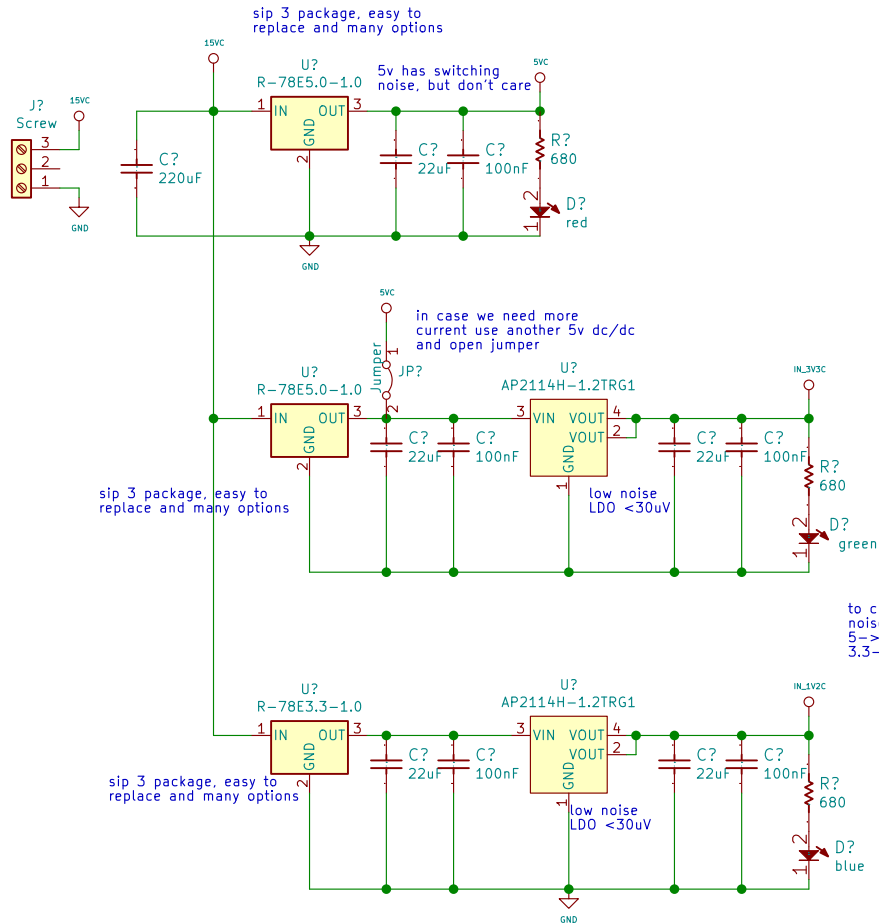
Title: clk

Size: A4
KiCad E.D.A. kicad 5.0.2+dfsg1-1

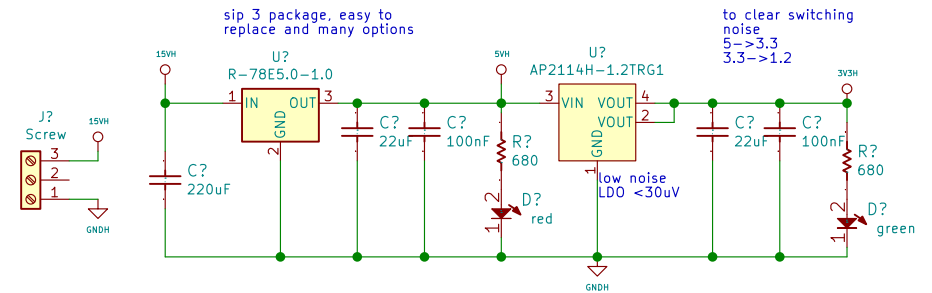
Date: 25 10 2019

Rev: 1.0
Id: 6/19

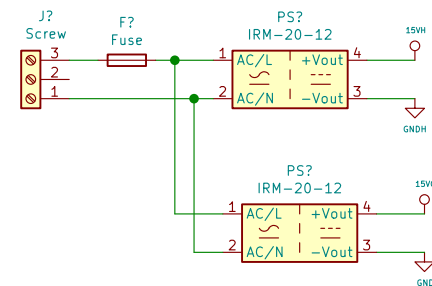
COLD



HOT



Main Power



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Sheet: /ac_in/

File: ac_in.sch

Title: AC input

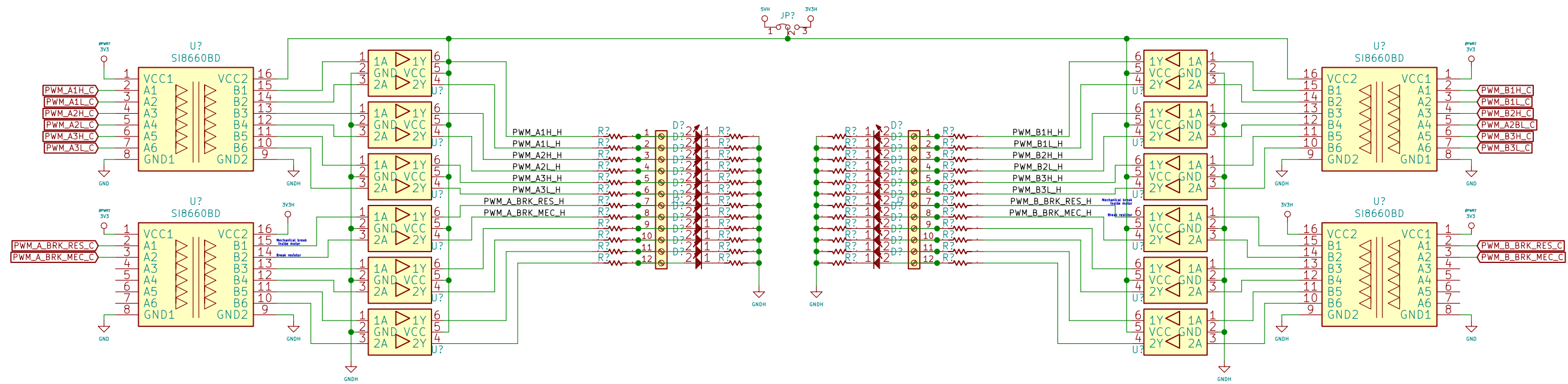
Size: A4 Date: 25 10 2019

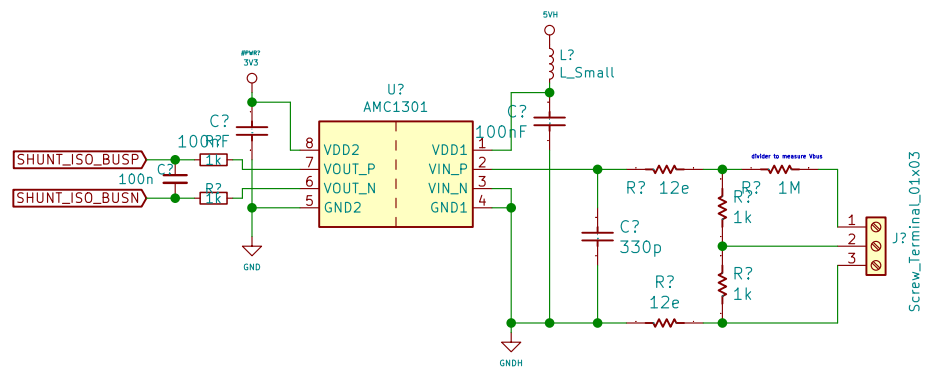
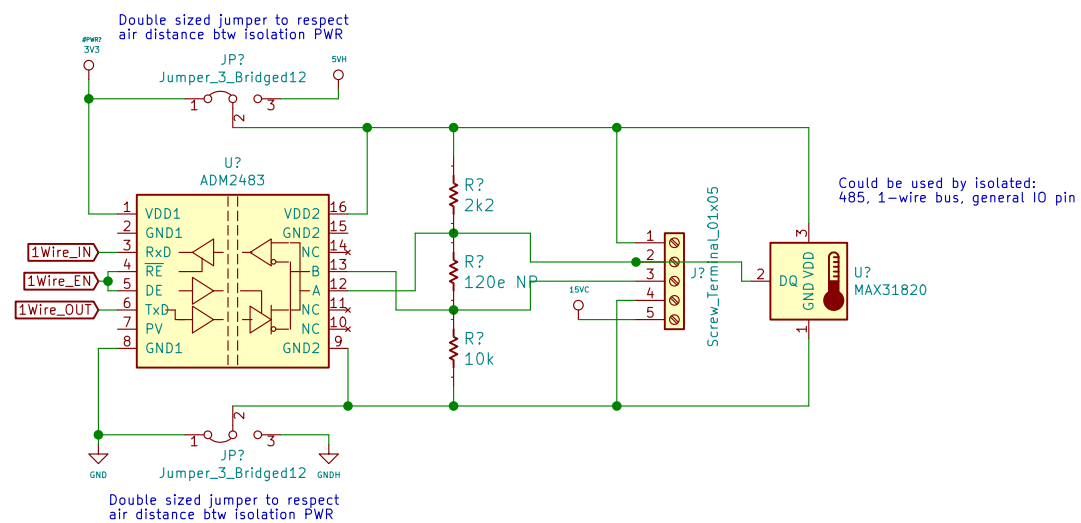
KiCad E.D.A. kicad 5.0.2+dfsg1-1

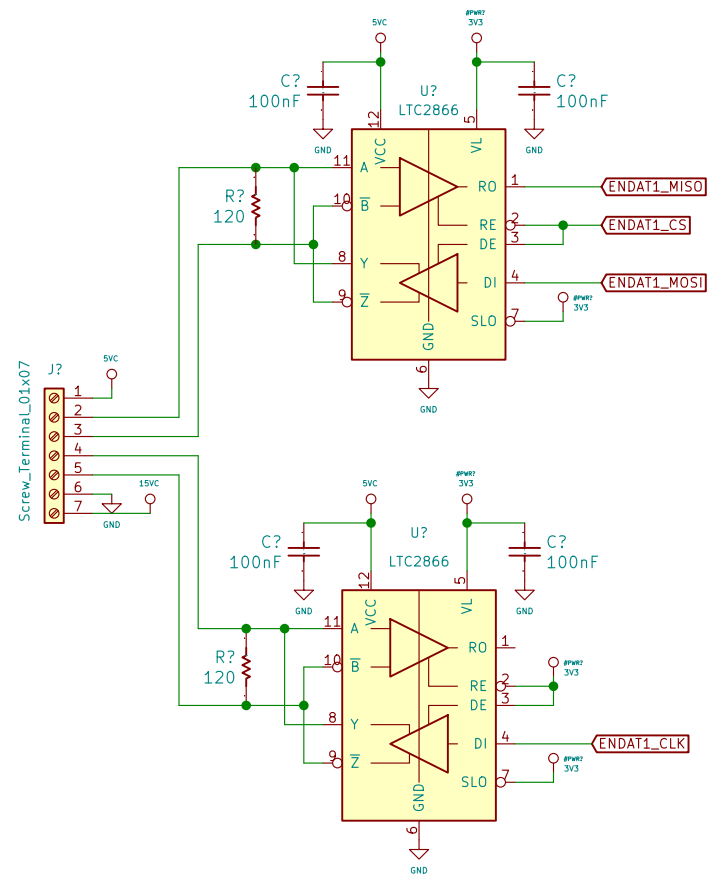
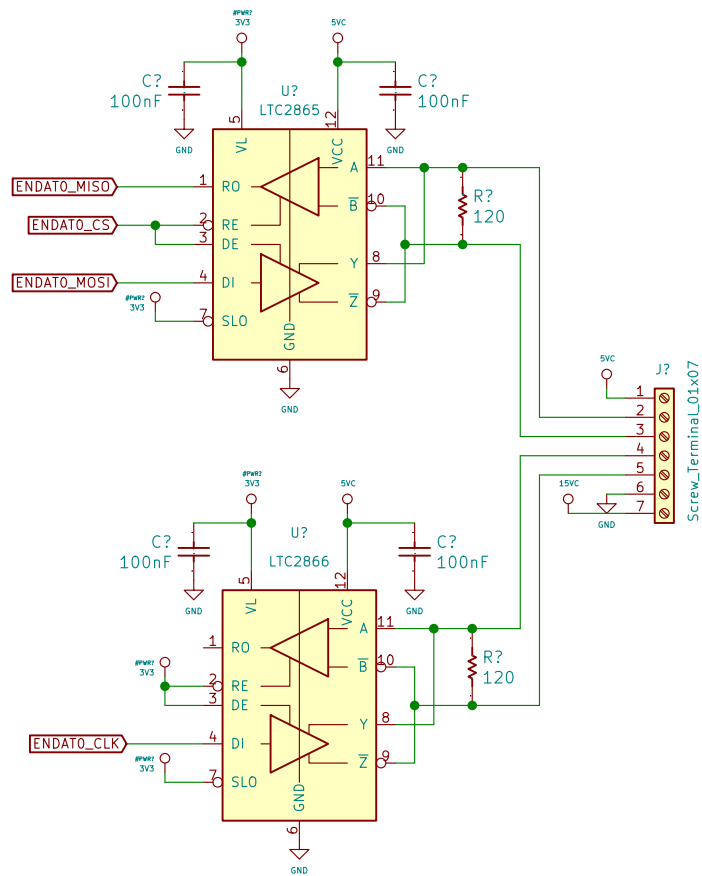
Rev: 1.0

Id: 7/19

PWM OUT -> ISOLATOR -> BUFFER -> LED







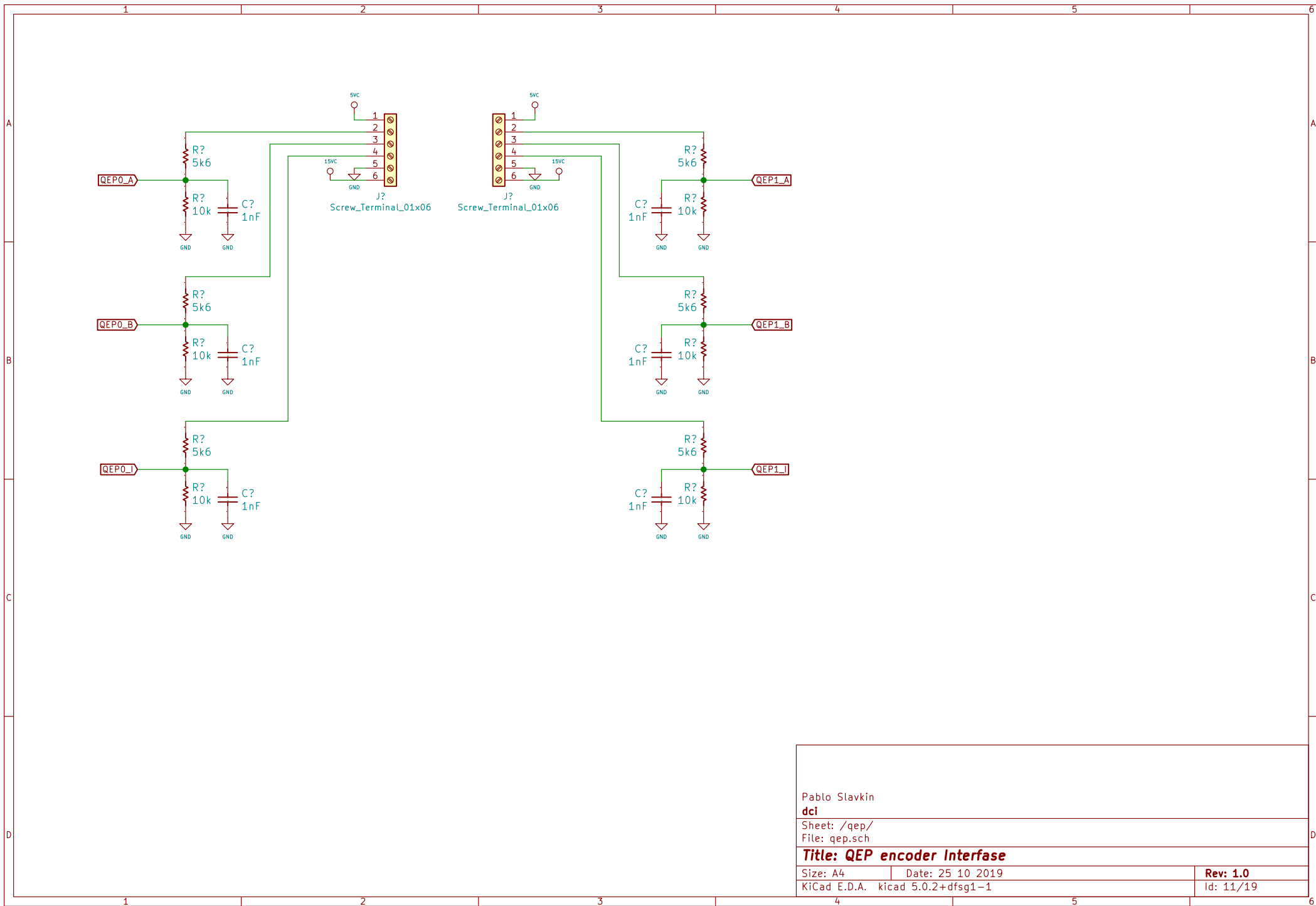
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Sheet: /endat/
File: endat.sch

Title: ENDAT/BISS Interface

Size: A4 Date: 25 10 2019
KiCad E.D.A. kicad 5.0.2+dfsg1-1

Rev: 1.0
Id: 10/19



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Sheet: /qep/
File: qep.sch

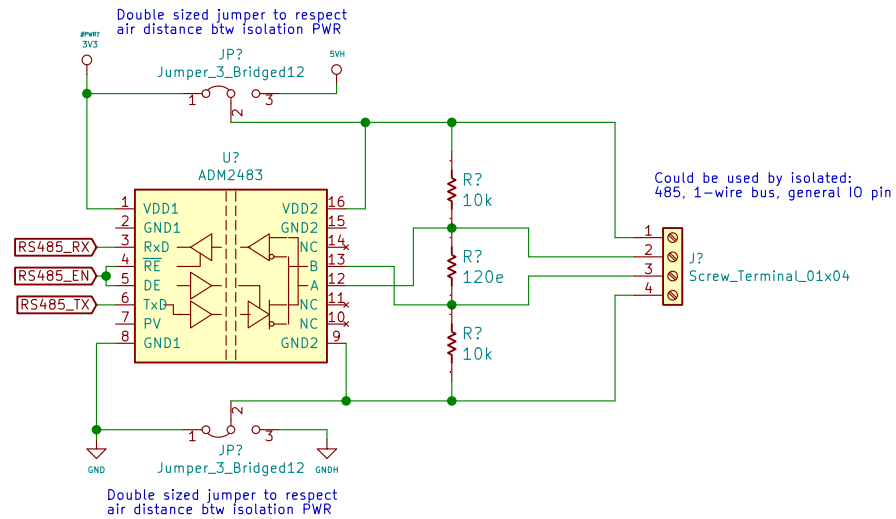
Title: QEP encoder Interfase

Size: A4
KiCad E.D.A. kicad 5.0.2+dfsg1-1

Date: 25 10 2019

Rev: 1.0

Id: 11/19



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Sheet: /rs485/
File: rs485.sch

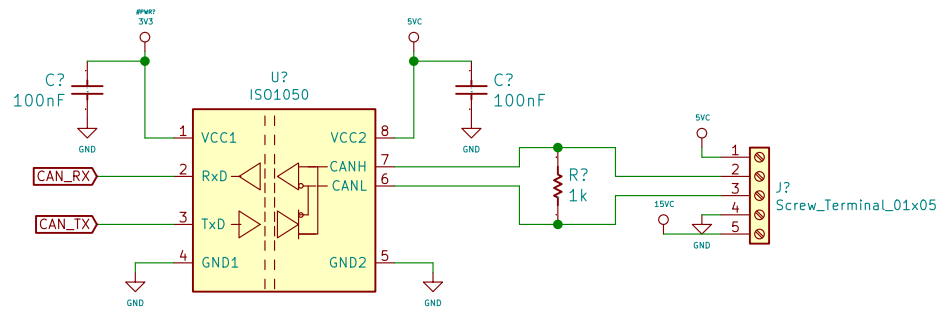
Title: RS485

Size: A4 Date: 25 10 2019

KiCad E.D.A. kicad 5.0.2+dfsg1-1

Rev: 1.0

Id: 12/19



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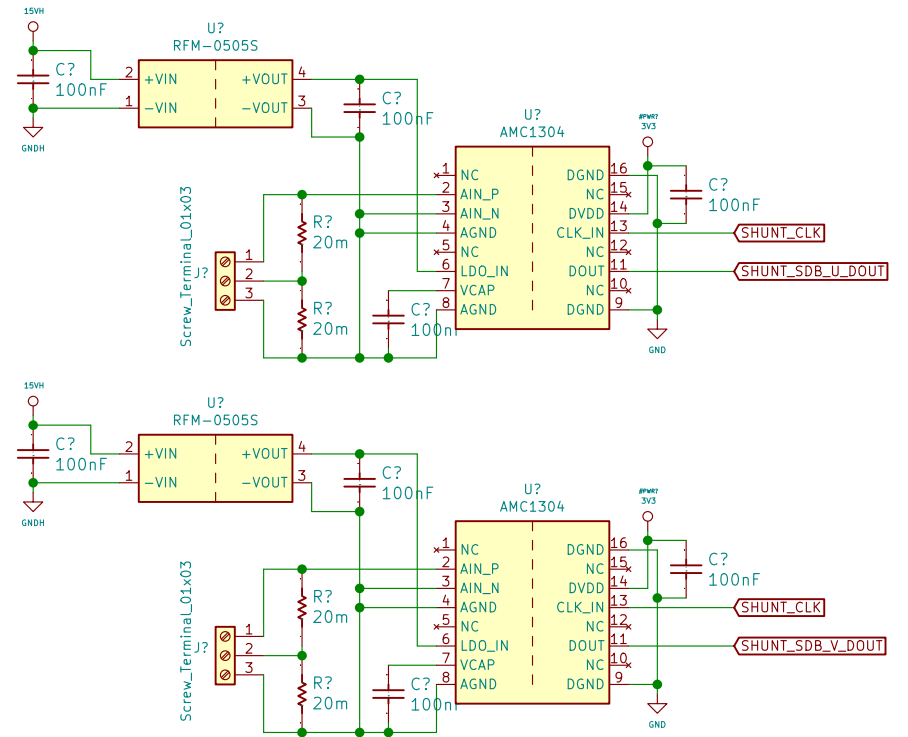
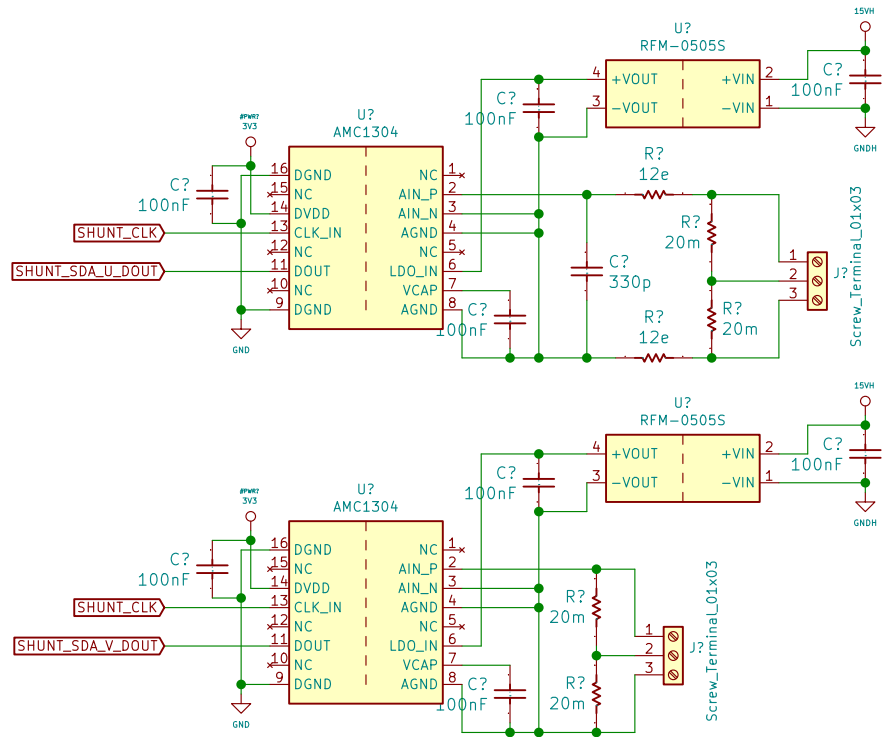
Sheet: /can/
File: can.sch

Title:

Size: A4
KiCad E.D.A. kicad 5.0.2+dfsg1-1

Date: 25 10 2019

Rev: 1.0
Id: 13/19



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Sheet: /shunt isigma delta/
File: shunt_sd.sch

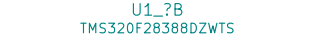
Title: Shunt Sigma Delta isolated

Size: A4 Date: 25 10 2019

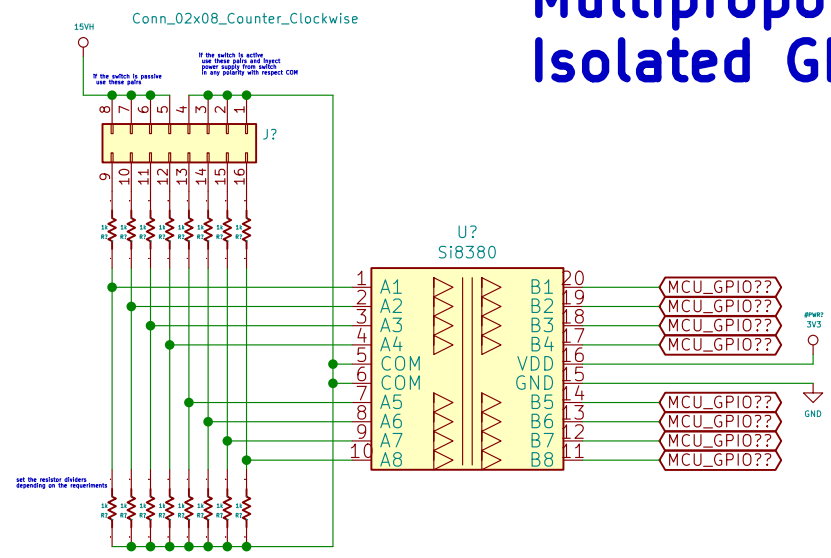
KiCad E.D.A. kicad 5.0.2+dfsg1-1

Rev: 1.0

Id: 14/19



Multipropouse Isolated GPI



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Sheet: /isolated gpio/
File: iso_gipo.sch

Title: clk

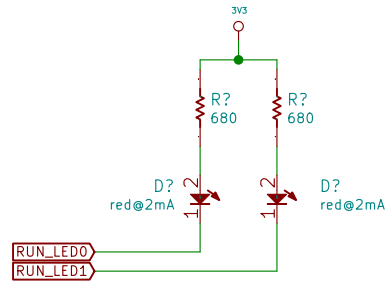
Size: A4 Date: 25 10 2019

KiCad E.D.A. kicad 5.0.2+dfsg1-1

Rev: 1.0

Id: 16/19

Multipropouse LEDs



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Sheet: /ui/
File: ui.sch

Title: clk

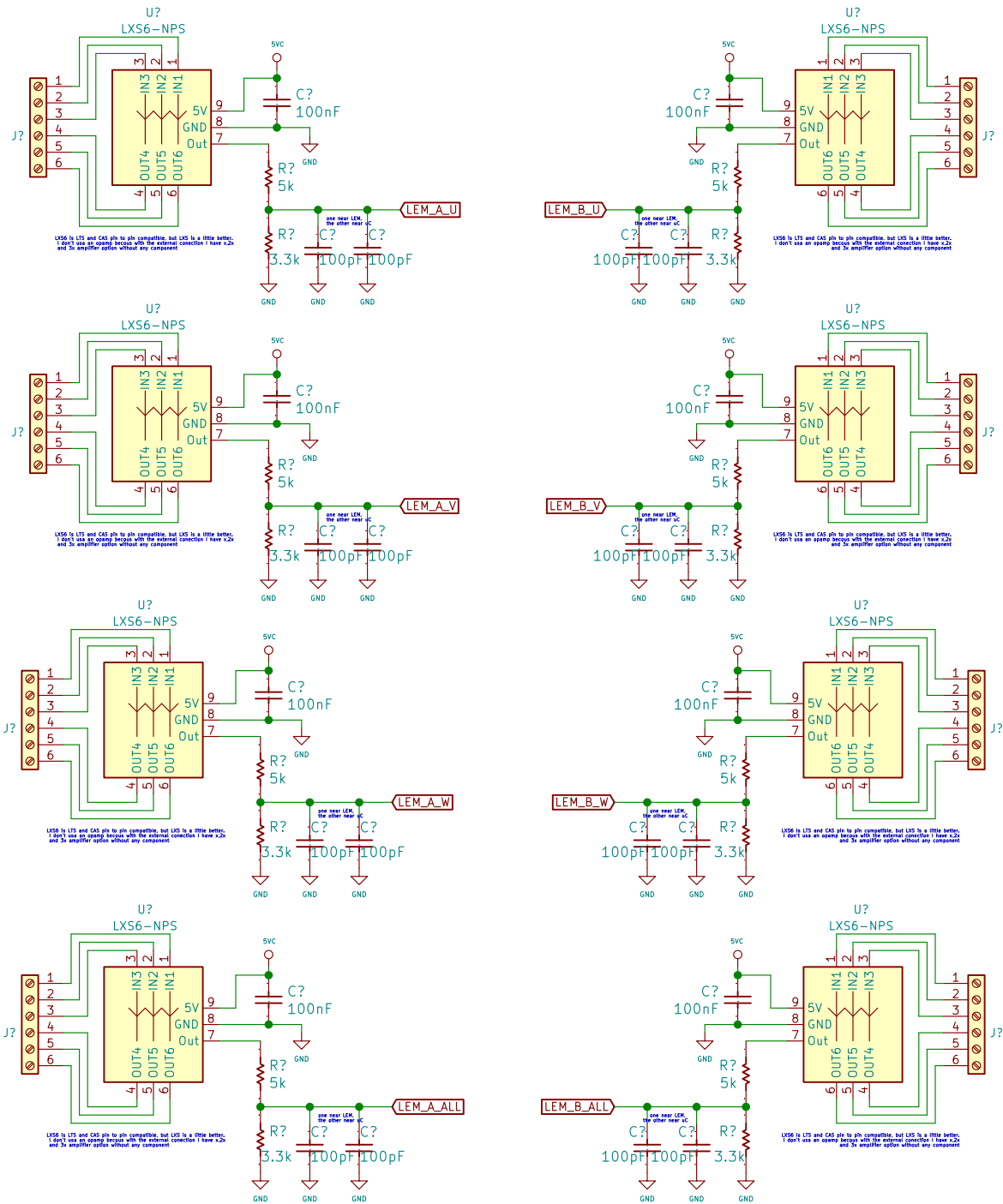
Size: A4 Date: 25 10 2019
KiCad E.D.A. kicad 5.0.2+dfsg1-1

Rev: 1.0
Id: 17/19

8 LEM's current measurement

U+V+W+ALL x 2

with 6 screw connector you could choose
3 range of current measurement 1x, 2x or 3x.
IN 1 BRIDGE 1-2-3 and 4-5-6 OUT 4 ----- X
IN 1 BRIDGE 1-2 and 3-5-6 OUT 4 ----- 2X
IN 1 BRIDGE 2-6 and 3-5 OUT 4 ----- 3X



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Sheet: /lem/

File: lem.sch

Title: LEM currente measurement

Size: A3

Date: 25 10 2019

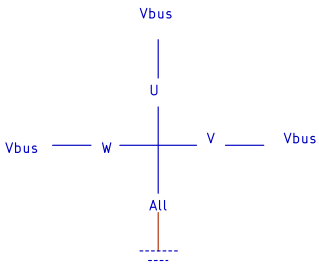
Rev: 1.0

KiCad E.D.A. kicad 5.0.2+dfsg1-1

Id: 18/19

SHUT -> ADC -> SD -> DAC

Current of 3 phases +
sum current +
Vbus voltage



with 3 screw connector you could choose
3 range of current measurement to be at
0.25v scale 1x, 2x or 4x.
1-3 ----- X
1-2 or 2-3 ----- 2X
1-2 and 1-3 ----- 4X

