

gpio

**GPIO**

gpio.sch

clk

**CLK  
DBG**

clk.sch

ethernet

**Ether  
NET**

ethernet.sch

ac\_in

**AC  
IN**

ac\_in.sch

igbt

**IGBT**

igbt.sch

power

**uC  
Power**

power.sch

ethernet

**Ether  
CAT**

ethernet.sch

lem

**LEM**

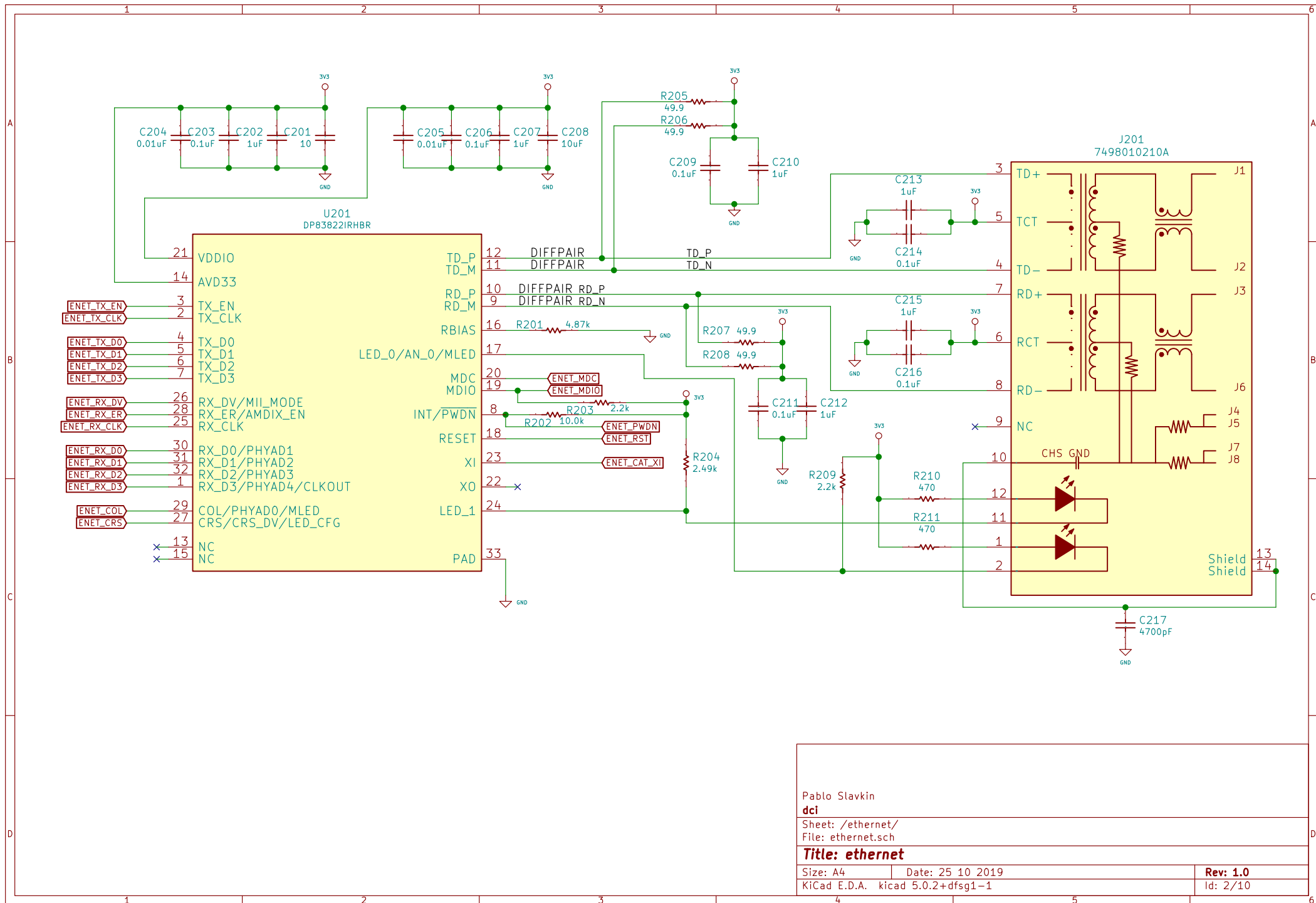
lem.sch

adc

**ADC**

adc.sch

Pablo Slavkin		
dci		
Sheet: /		
File: servo.sch		
Title: servo drive		
Size: A4	Date: 25 10 2019	Rev: 1.0
KiCad E.D.A. kicad 5.0.2+dfsg1-1		Id: 1/10



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Sheet: /ethernet/

File: ethernet.sch

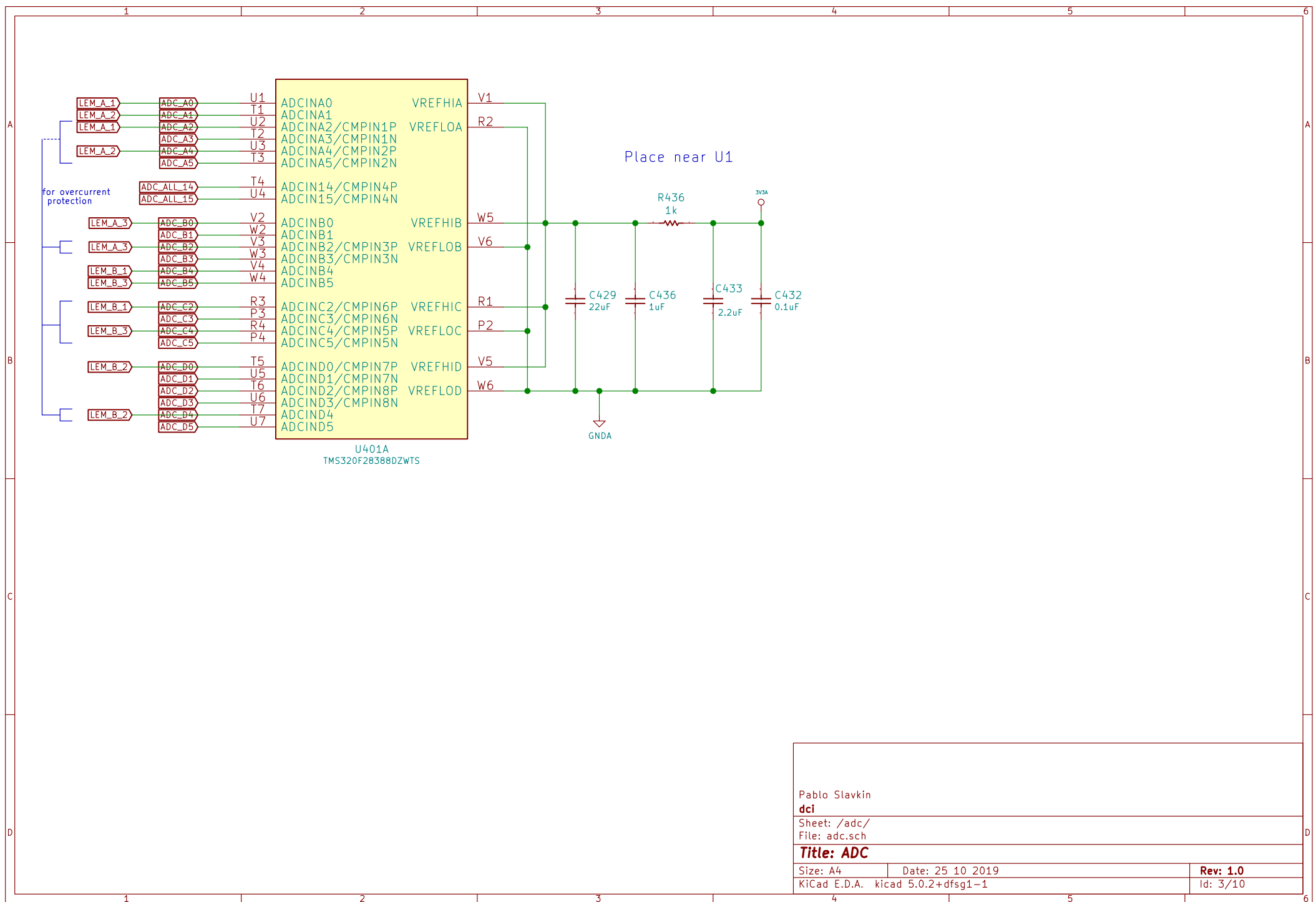
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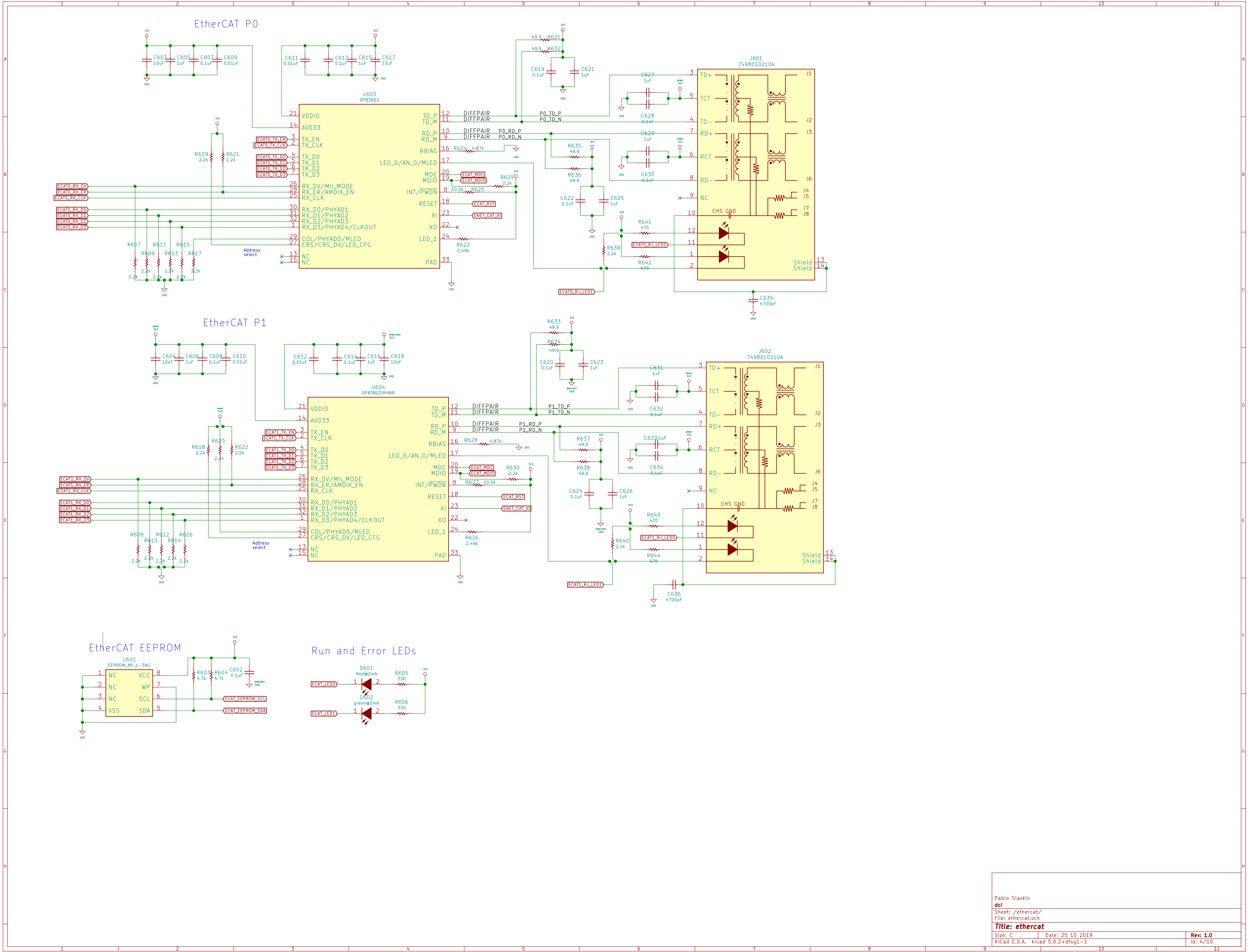
Size: A4 Date: 25 10 2019

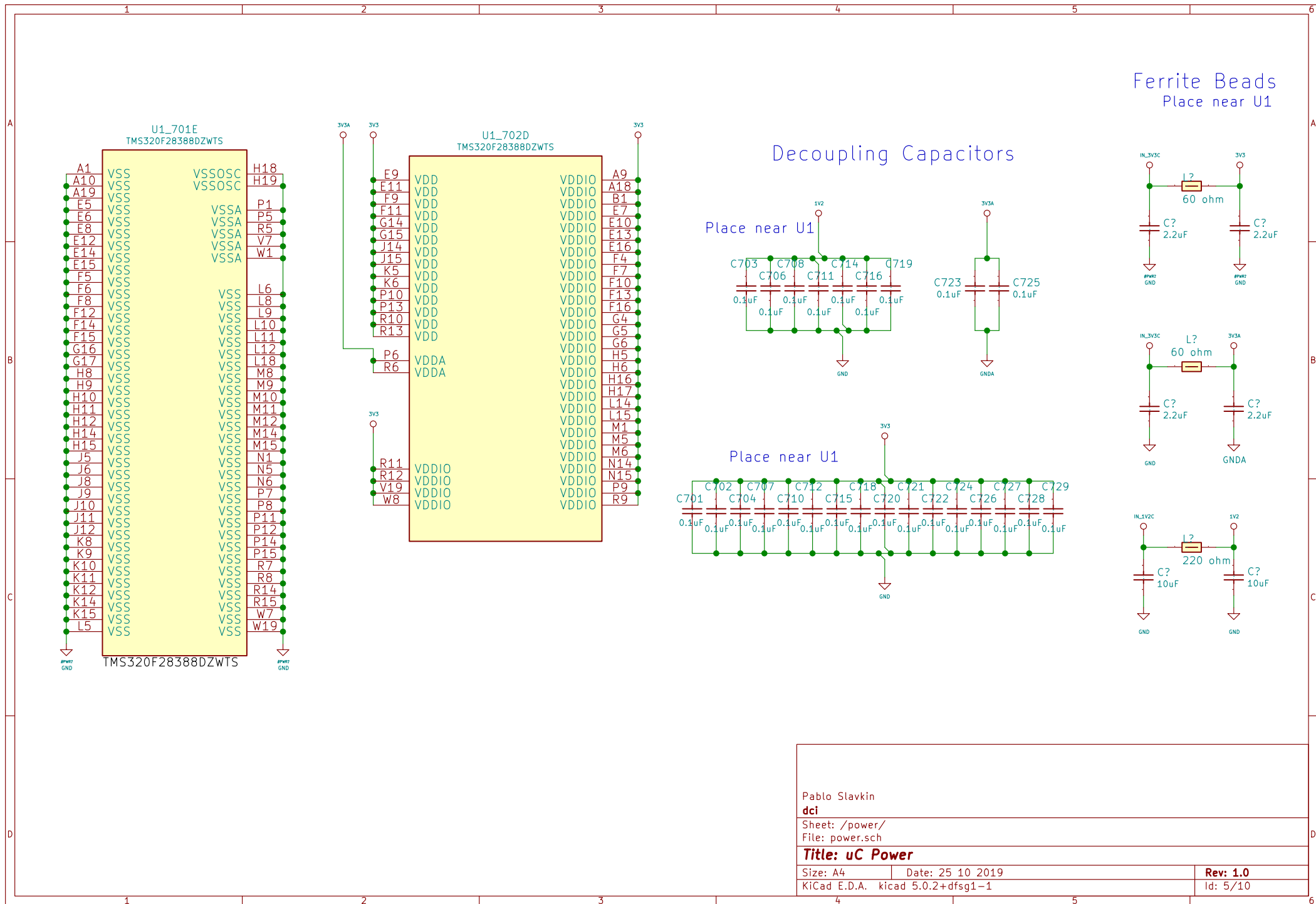
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Rev: 1.0

Id: 2/10







Ferrite Beads  
Place near U1

Decoupling Capacitors

Place near U1

Place near U1

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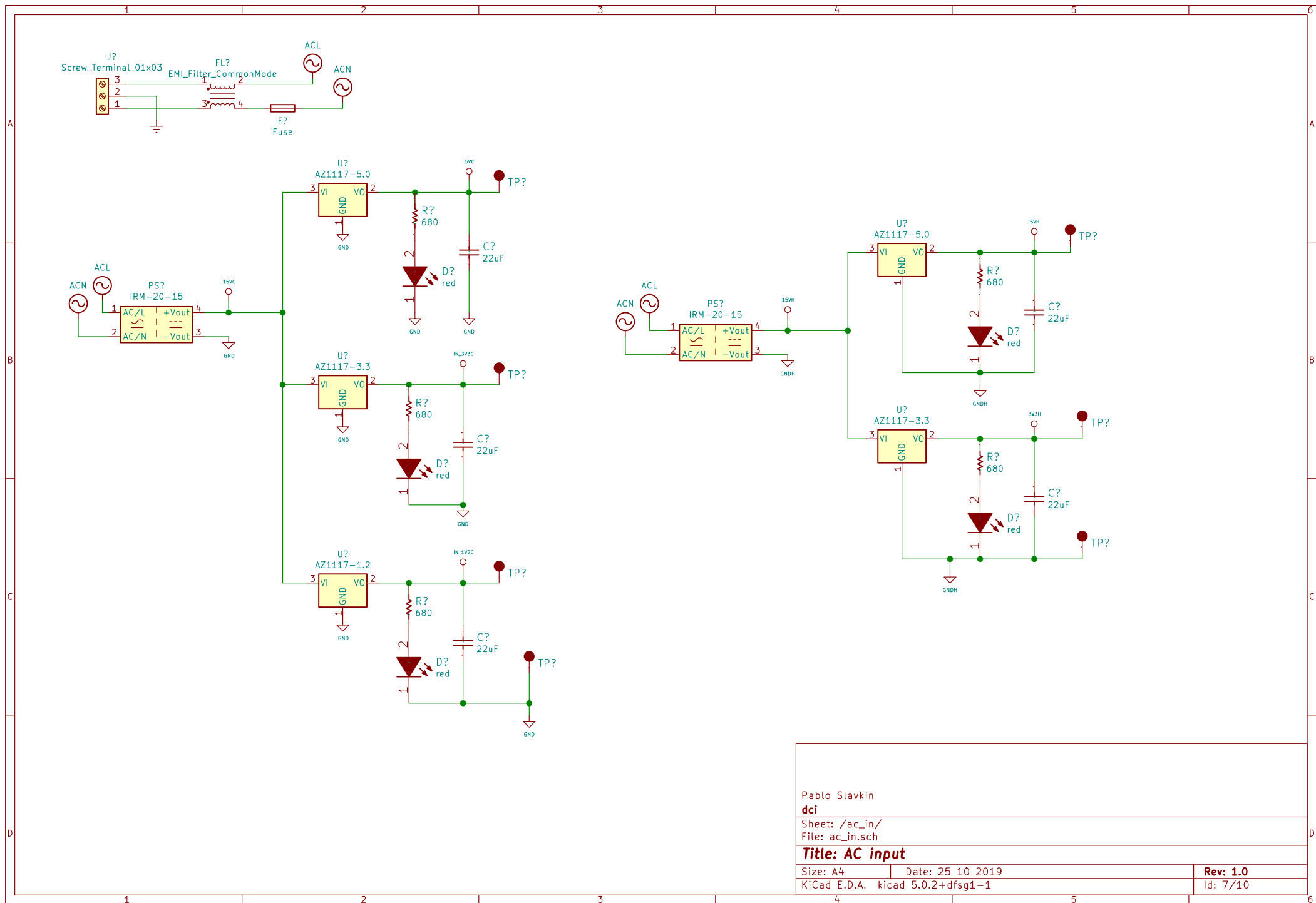
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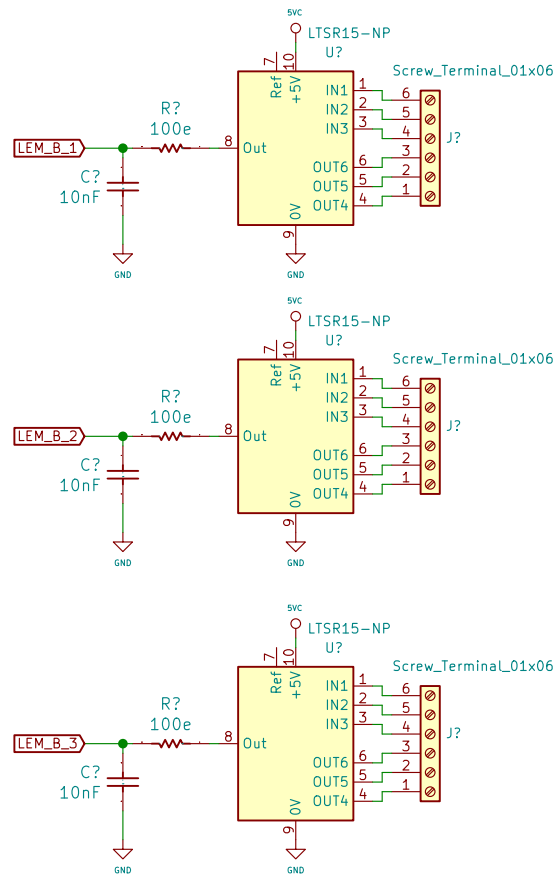
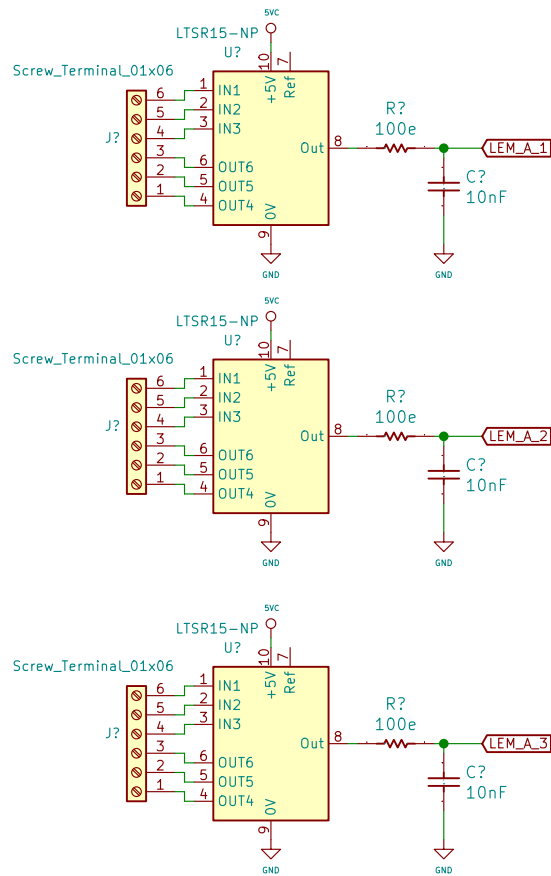
**Title: uC Power**

Size: A4 Date: 25 10 2019  
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**Rev: 1.0**  
Id: 5/10







I've decided to use LEM, nor shunt, it's a little expensive, but less bum, isolated and easy to change ranges. Without sigma delta issues.. 3 fases included but should work with only 2

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Sheet: /lem/  
File: lem.sch

**Title: LEM current measurement**

Size: A4 Date: 25 10 2019

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Rev: 1.0

Id: 8/10



