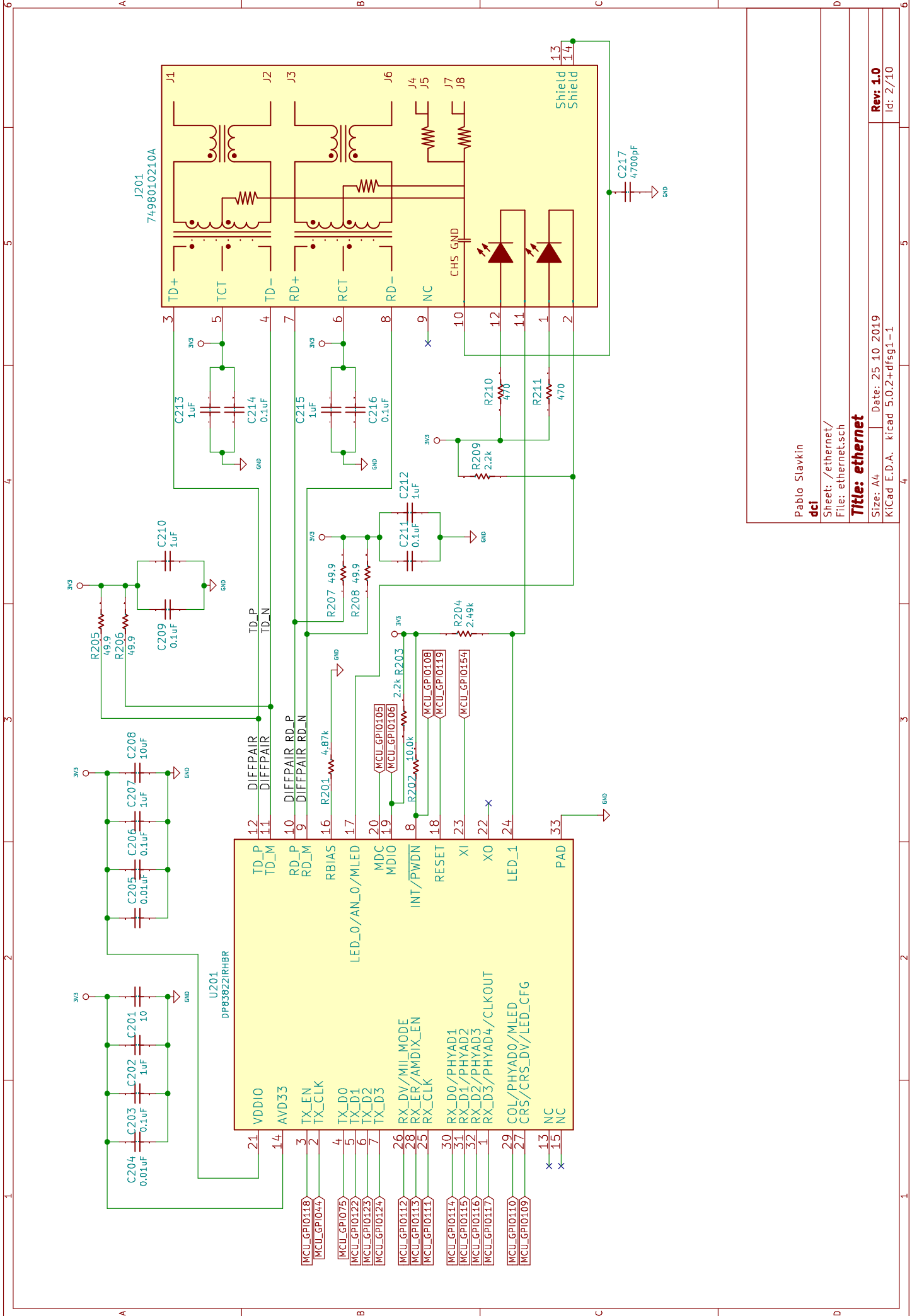


1	2	3	4	5	6
A	GPIO		Ether NET		
	Sheet: gpio	File: gpio.sch	Sheet: ethernet	File: ethernet.sch	
	CLK		Ether CAT		
	Sheet: clk	File: clk.sch	Sheet: ethercat	File: ethercatsch	
	uC Power				
	Sheet: power	File: powersch			
	IGBT				
	Sheet: igbt	File: igbtsch			
	AC IN				
	Sheet: ac_in	File: ac_in.sch			
	LEM				
	Sheet: lem	File: lemsch			
	ADC				
	Sheet: adc	File: adcsch			
			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
1	2	3	4	5	6



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dc1

Sheet: /ethernet/
File: ethernet.sch

Title: ethernet

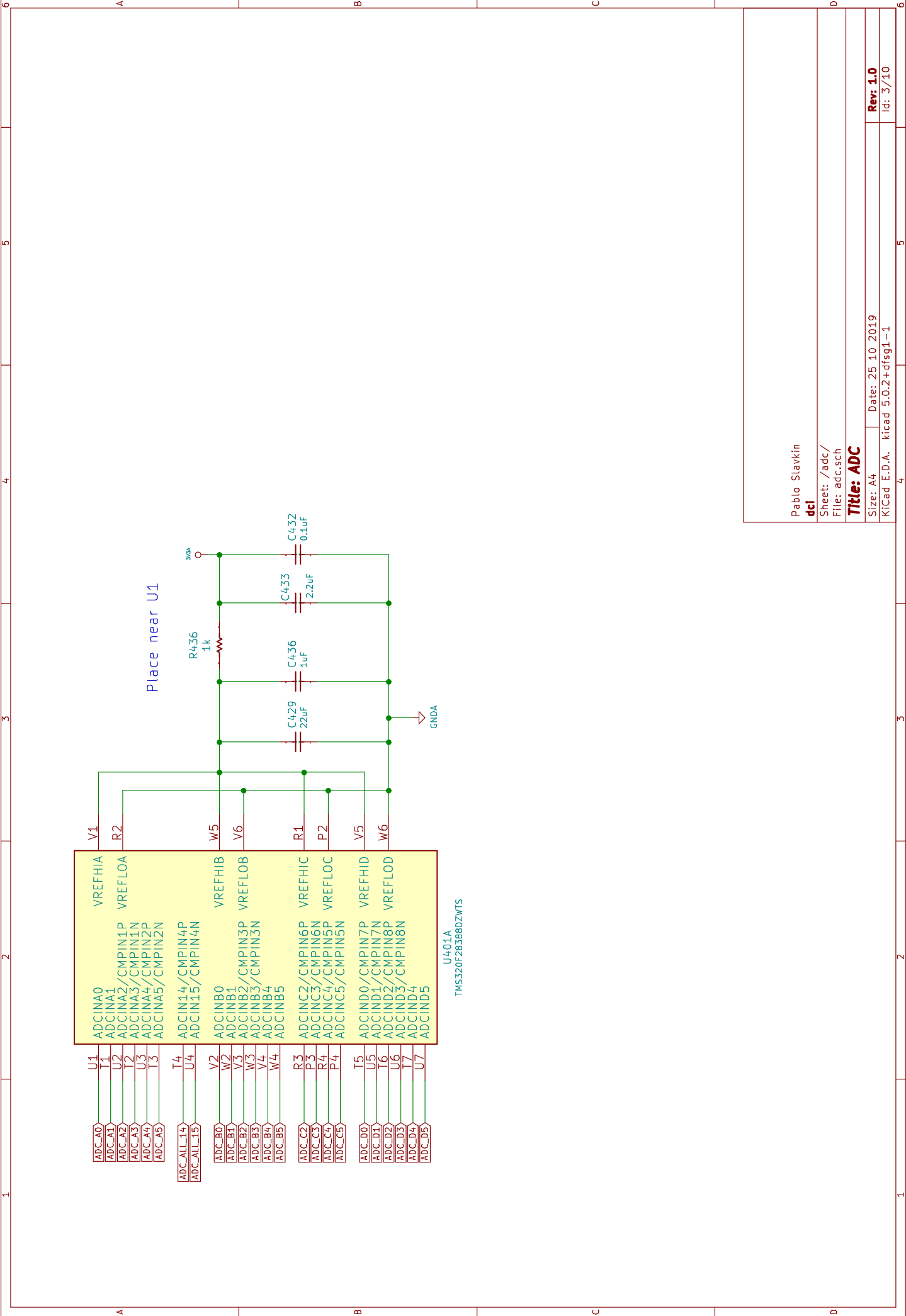
Size: A4

Date: 25 10 2019

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Rev: 1.0

Id: 2/10



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dc1

Sheet: /adc/
File: adc.sch

Title: ADC

Size: A4

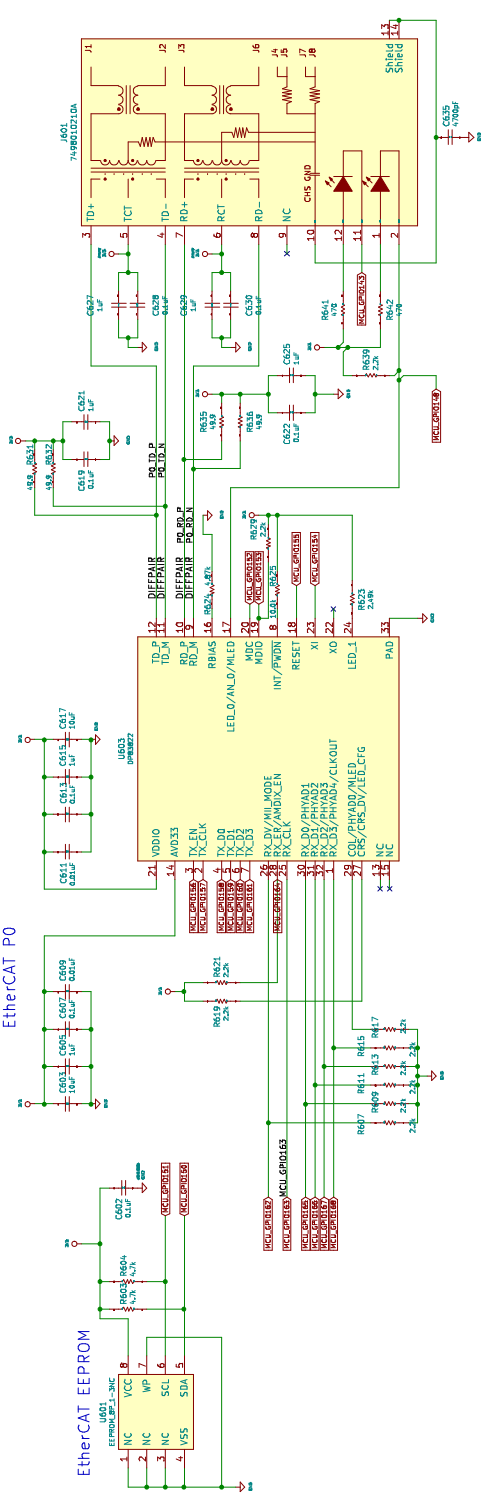
Date: 25 10 2019

Rev: 1.0

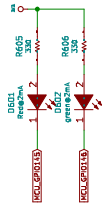
KiCad E.D.A. kicad 5.0.2+dfsg1-1

Id: 3/10

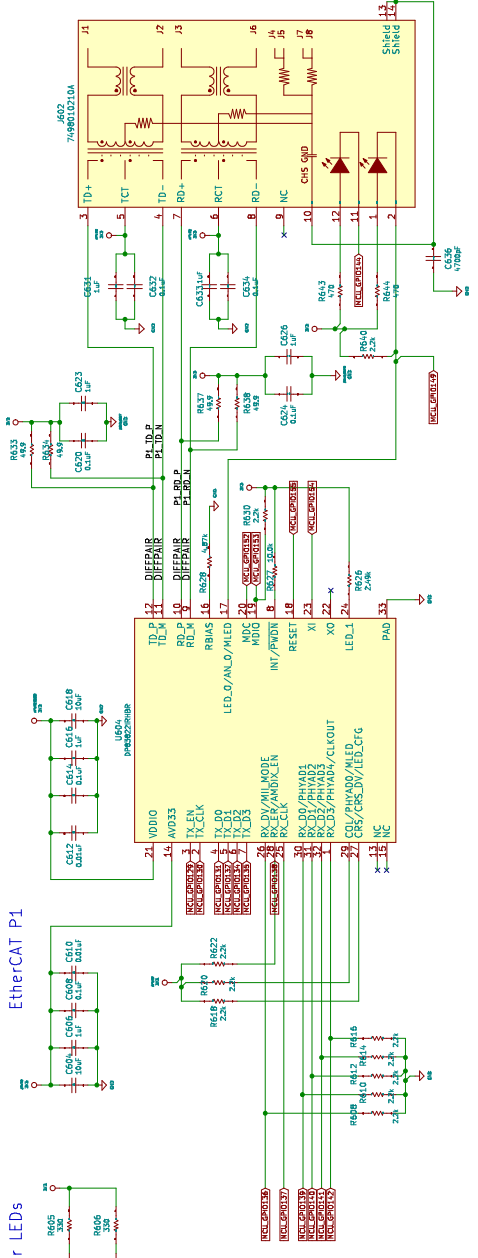
EtherCAT P0

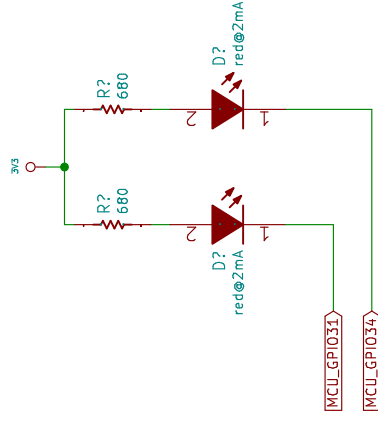
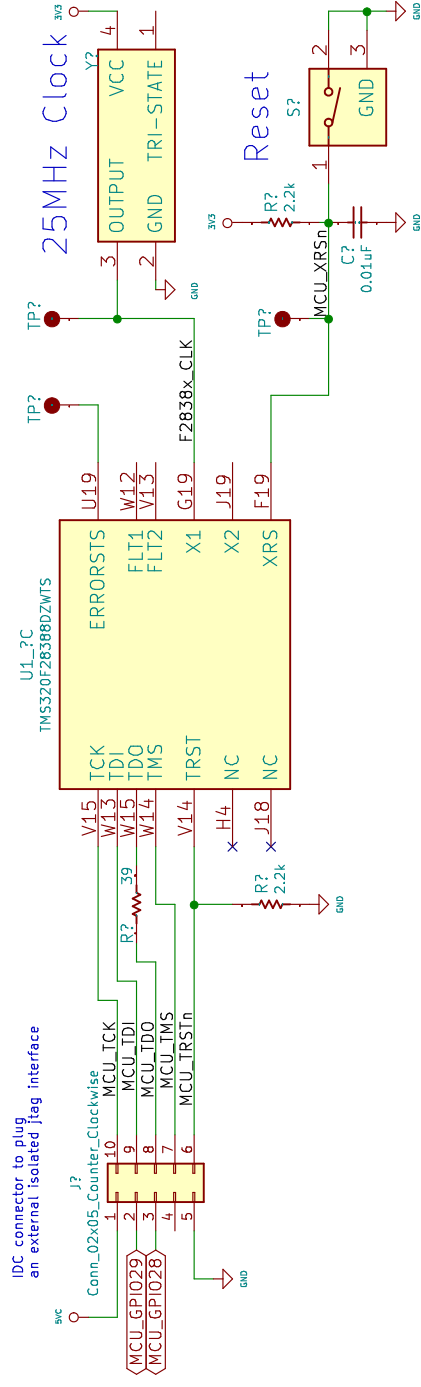


Run and Error LEDs

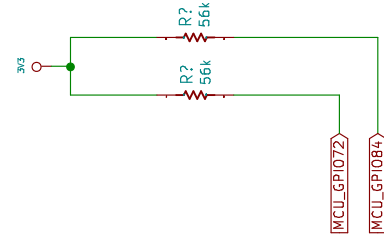


EtherCAT P1

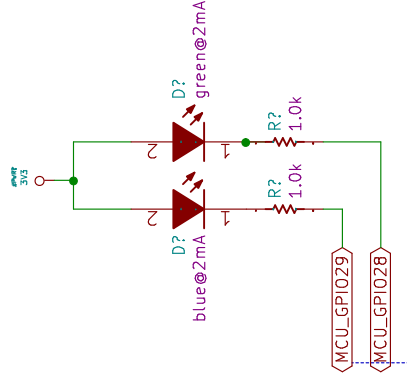




Boot Mode to Flash/USB



spalICS



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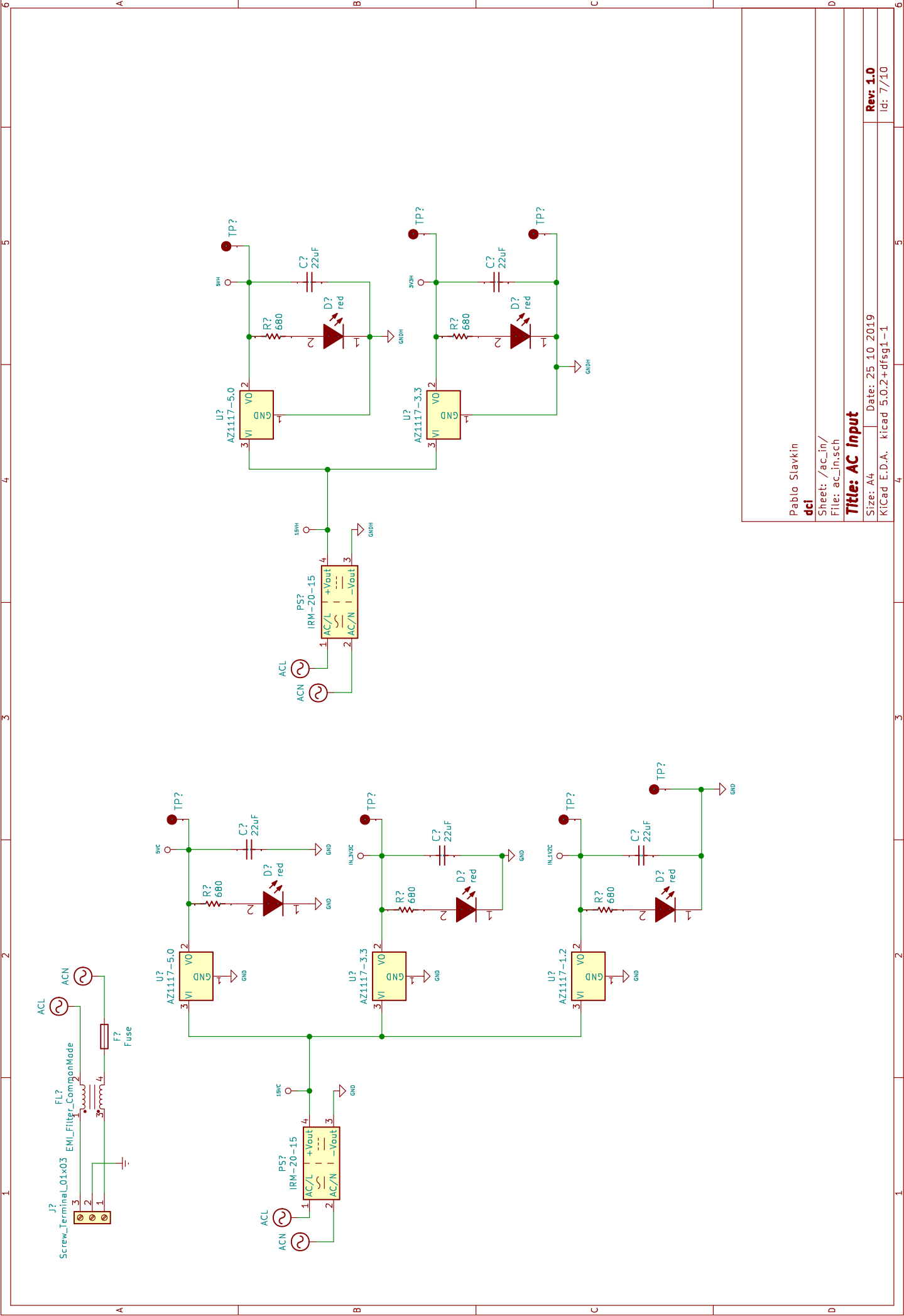
dci

Sheet: /clk/
File: clk.sch

Title: clk

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

Sheet: /ac_in/
File: ac_in.sch

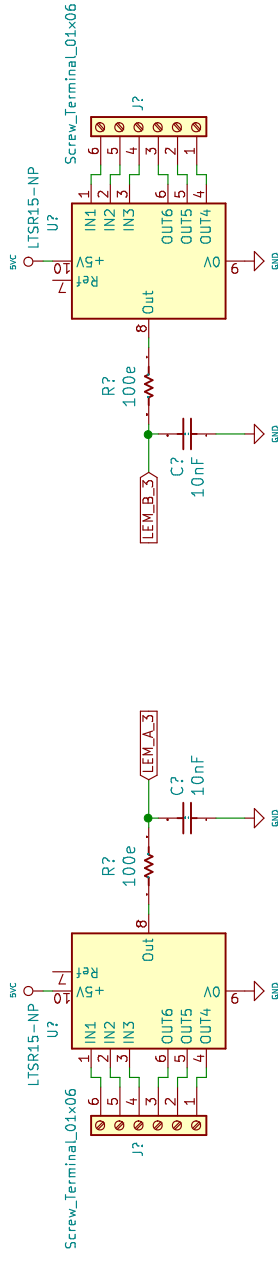
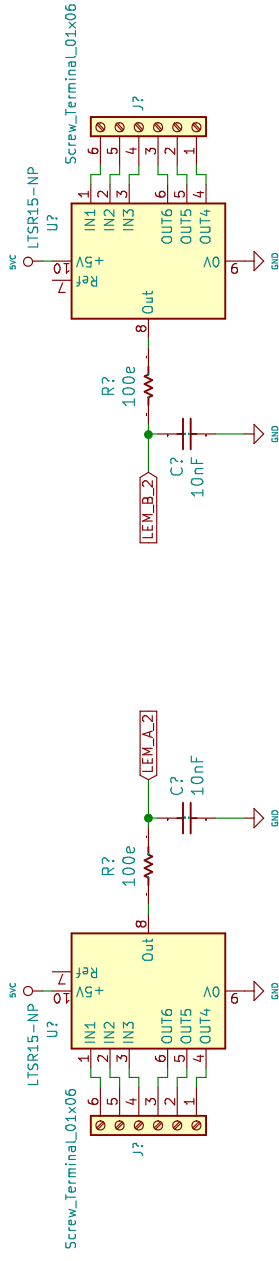
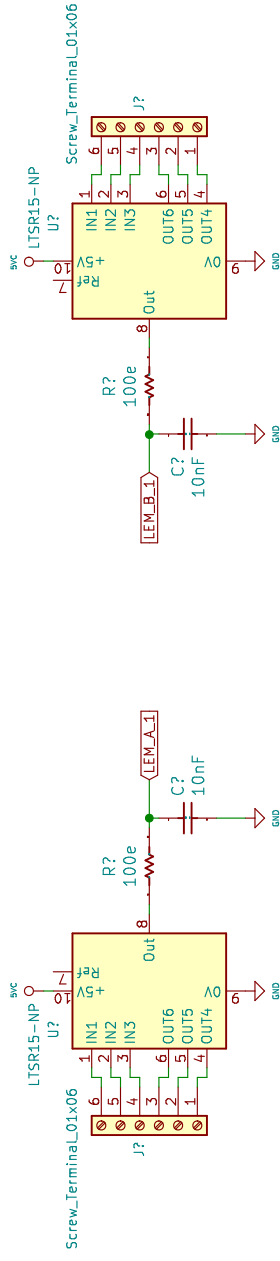
Title: AC Input

Size: A4 Date: 25 10 2019

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

Rev: 1.0

Id: 77/10



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

Pablo Slavkin
dci

Sheet: /lem/
File: lem.sch

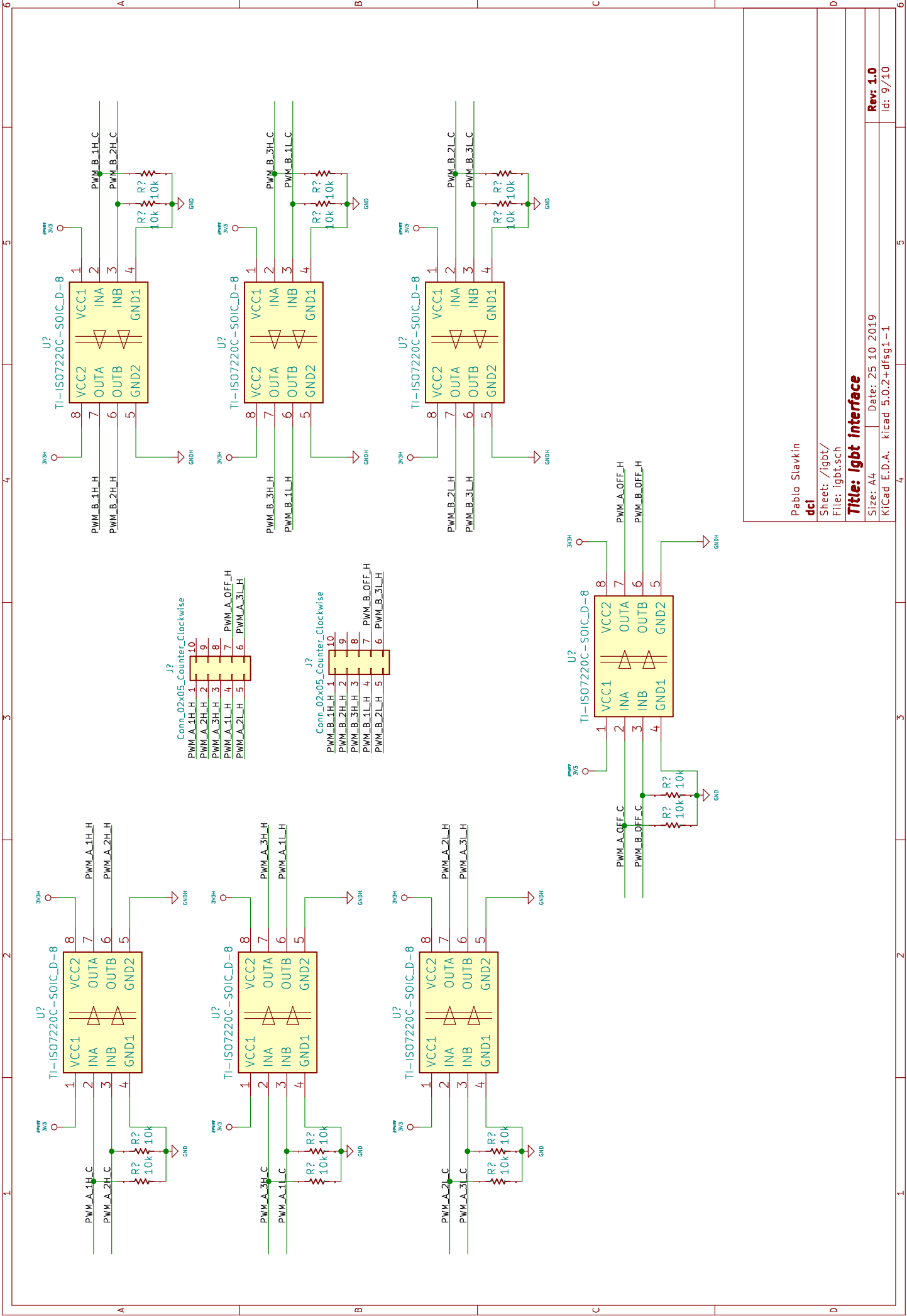
Title: LEM currente measurement

Size: A4	Date: 25 10 2019
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Size (mm)	100
KiCad E.D.A.	kiCad 5.0.2+dfsg1-1

Rev: 1.0

Id: 8/10



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dcl

Sheet: /igbt/
File: igbtisch

Title: Igbt Interface

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

Rev: 1.0
Id: 9/10

