Power

File: power.kicad_sch

ADC

File: adc.kicad_sch

digital

File: digital.kicad_sch

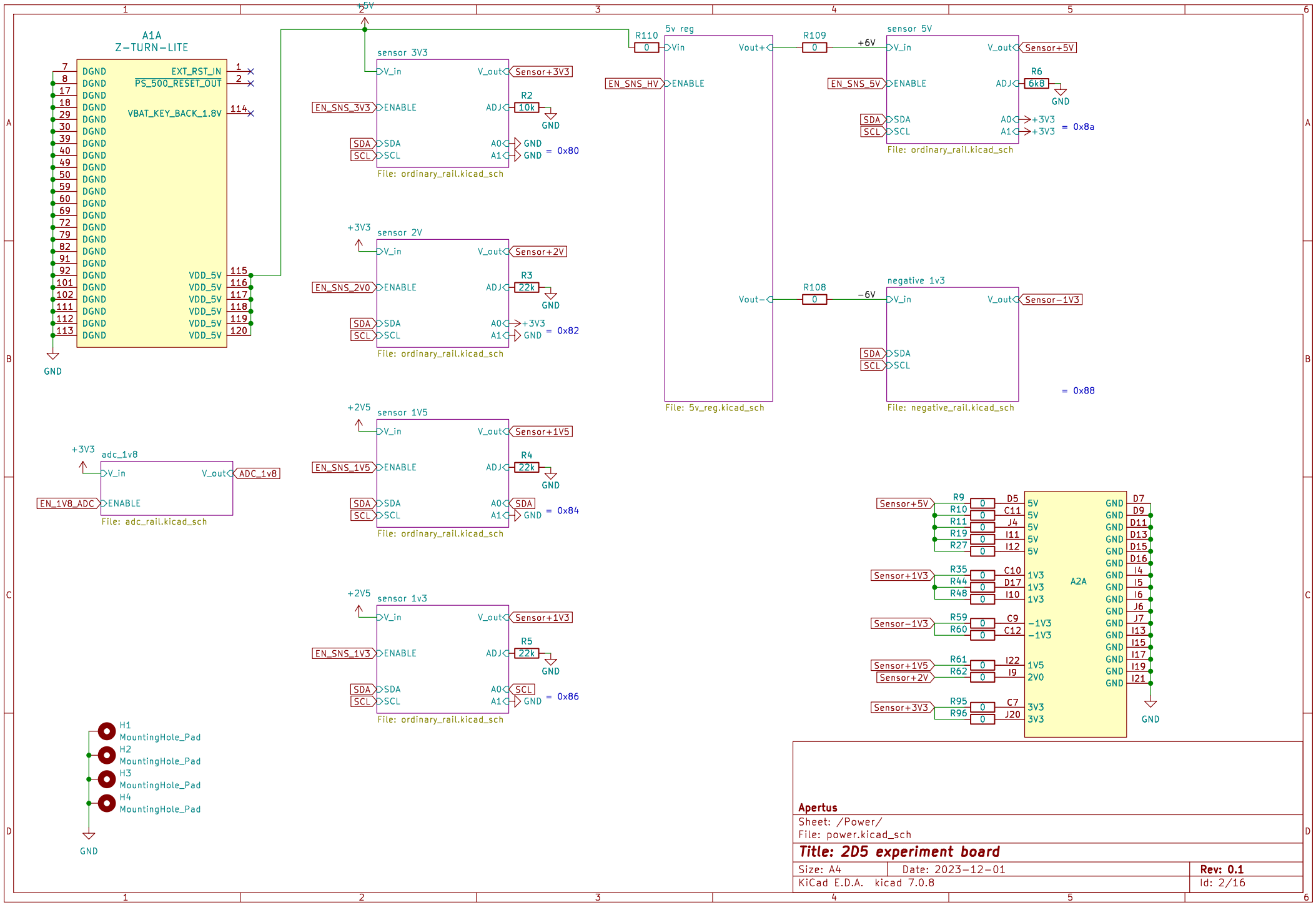
Apertus

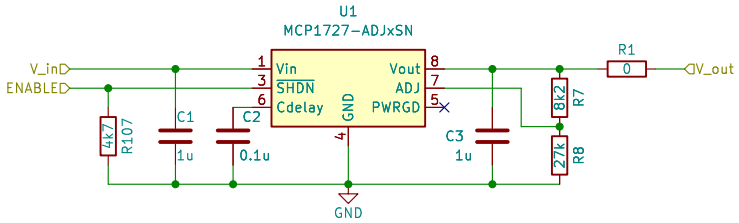
Sheet: /

File: zynq-test-board.kicad_sch

Title: 2D5 experiment board

Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 1/16


A1A
Z-TURN-LITE
DGND
EXT_RST_IN
PS_500_RESET_OUT
VBAT_KEY_BACK_1.8V
VDD_5V
GND
+5V
sensor 3V3
V_in
V_out
Sensor+3V3
EN_SNS_3V3
ENABLE
ADJ
R2
10k
SDA
SCL
A0
A1
= 0x80
File: ordinary_rail.kicad_sch
+3V3
sensor 2V
Sensor+2V
EN_SNS_2V0
R3
22k
= 0x82
sensor 1V5
Sensor+1V5
EN_SNS_1V5
R4
22k
= 0x84
sensor 1v3
Sensor+1V3
EN_SNS_1V3
R5
22k
= 0x86
5v reg
R110
Vin
Vout+
EN_SNS_HV
File: 5v_reg.kicad_sch
R109
+6V
sensor 5V
Sensor+5V
EN_SNS_5V
R6
6k8
= 0x8a
Vout-
R108
-6V
negative 1v3
Sensor-1V3
= 0x88
File: negative_rail.kicad_sch
adc_1v8
EN_1V8_ADC
ADC_1v8
File: adc_rail.kicad_sch
Sensor+5V
Sensor+1V3
Sensor-1V3
Sensor+1V5
Sensor+2V
Sensor+3V3
A2A
H1
MountingHole_Pad
H2
H3
H4
Apertus
Sheet: /Power/
File: power.kicad_sch
Title: 2D5 experiment board
Size: A4
Date: 2023-12-01
Rev: 0.1
KiCad E.D.A. kicad 7.0.8
Id: 2/16

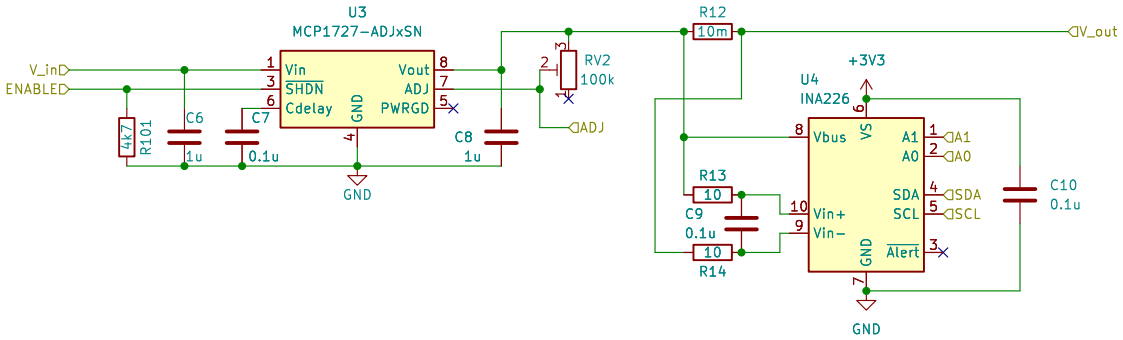


Apertus

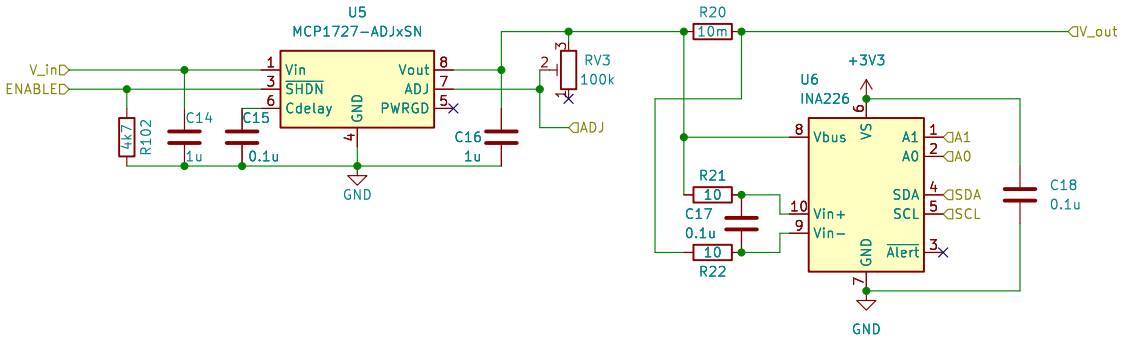
Sheet: /Power/adc_1v8/
File: adc_rail.kicad_sch

Title: 2D5 experiment board

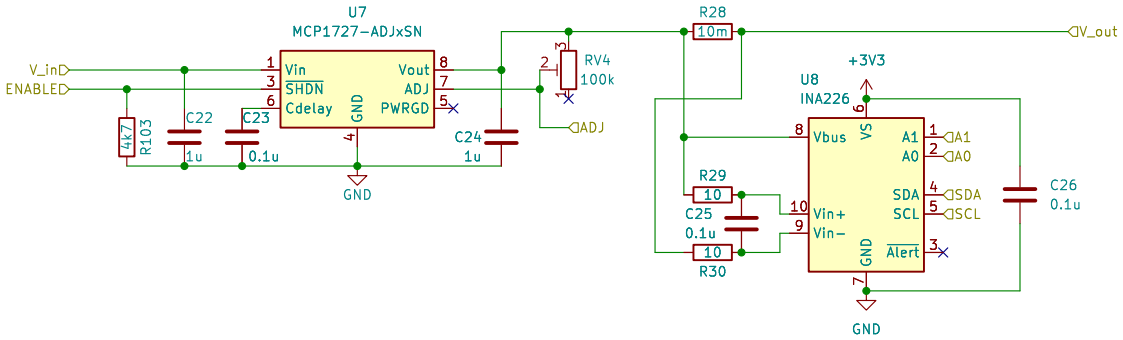
Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 3/16



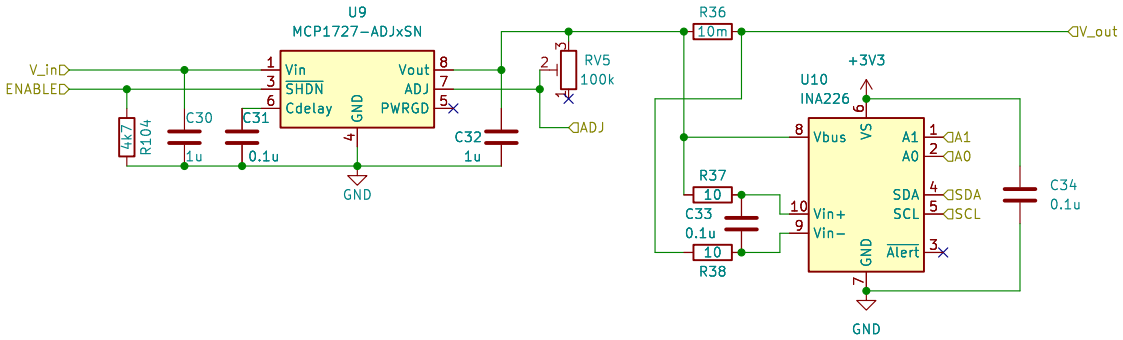
Apertus	
Sheet: /Power/sensor 3V3/	
File: ordinary_rail.kicad_sch	
Title: 2D5 experiment board	
Size: A4	Date: 2023-12-01
KiCad E.D.A. kicad 7.0.8	**Rev: 0.1**
	Id: 3/16



Apertus	
Sheet: /Power/sensor 2V/	
File: ordinary_rail.kicad_sch	
Title: 2D5 experiment board	
Size: A4	Date: 2023-12-01
KiCad E.D.A. kicad 7.0.8	**Rev: 0.1**
	Id: 4/16

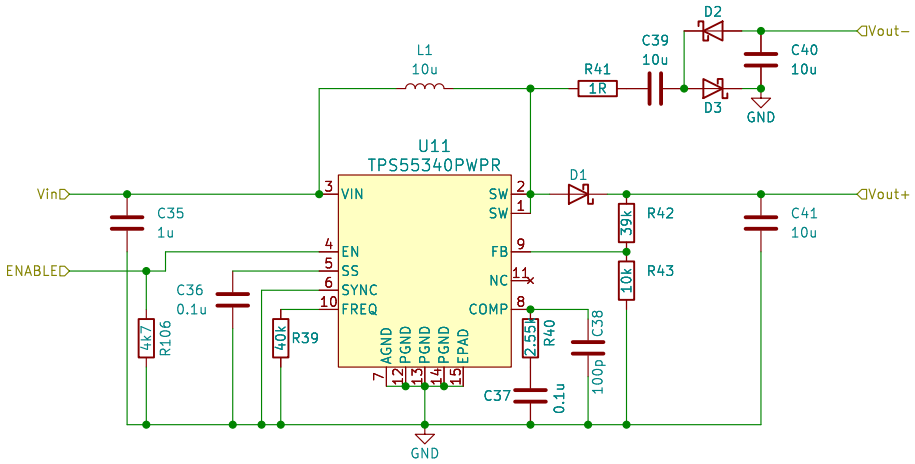


Apertus		
Sheet: /Power/sensor 1V5/		
File: ordinary_rail.kicad_sch		
Title: 2D5 experiment board		
Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 5/16

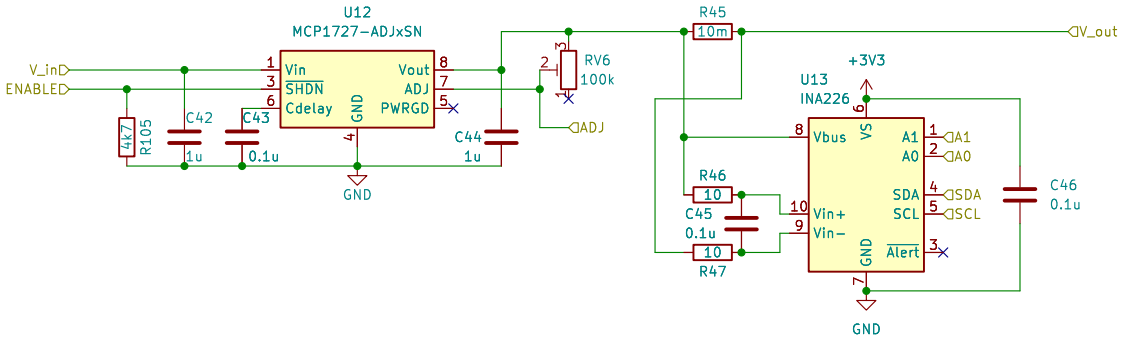


Apertus		
Sheet: /Power/sensor 1v3/		
File: ordinary_rail.kicad_sch		
Title: 2D5 experiment board		
Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 6/16

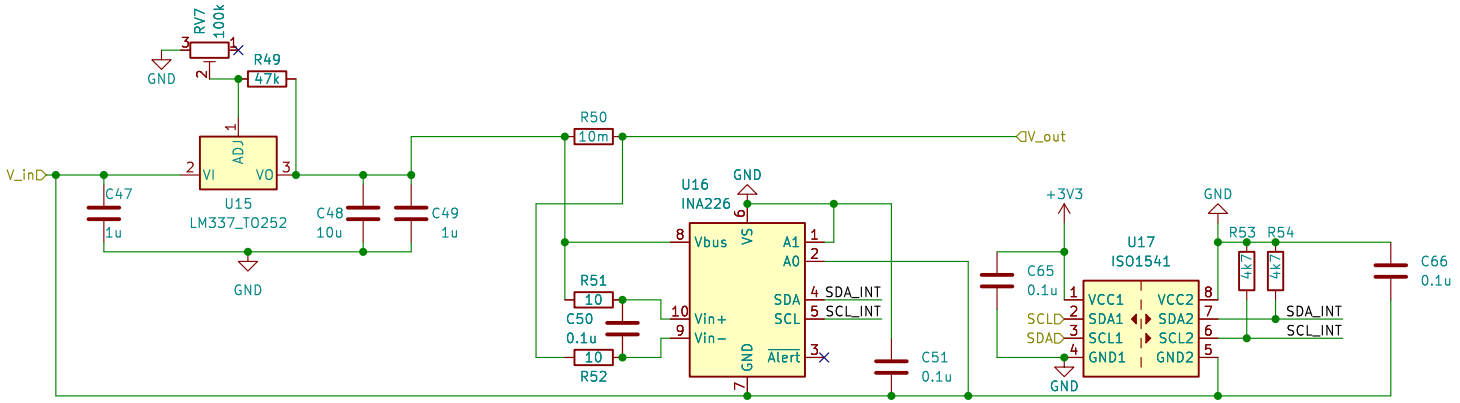
This is constructed after the TI appnote SLVAEJ3



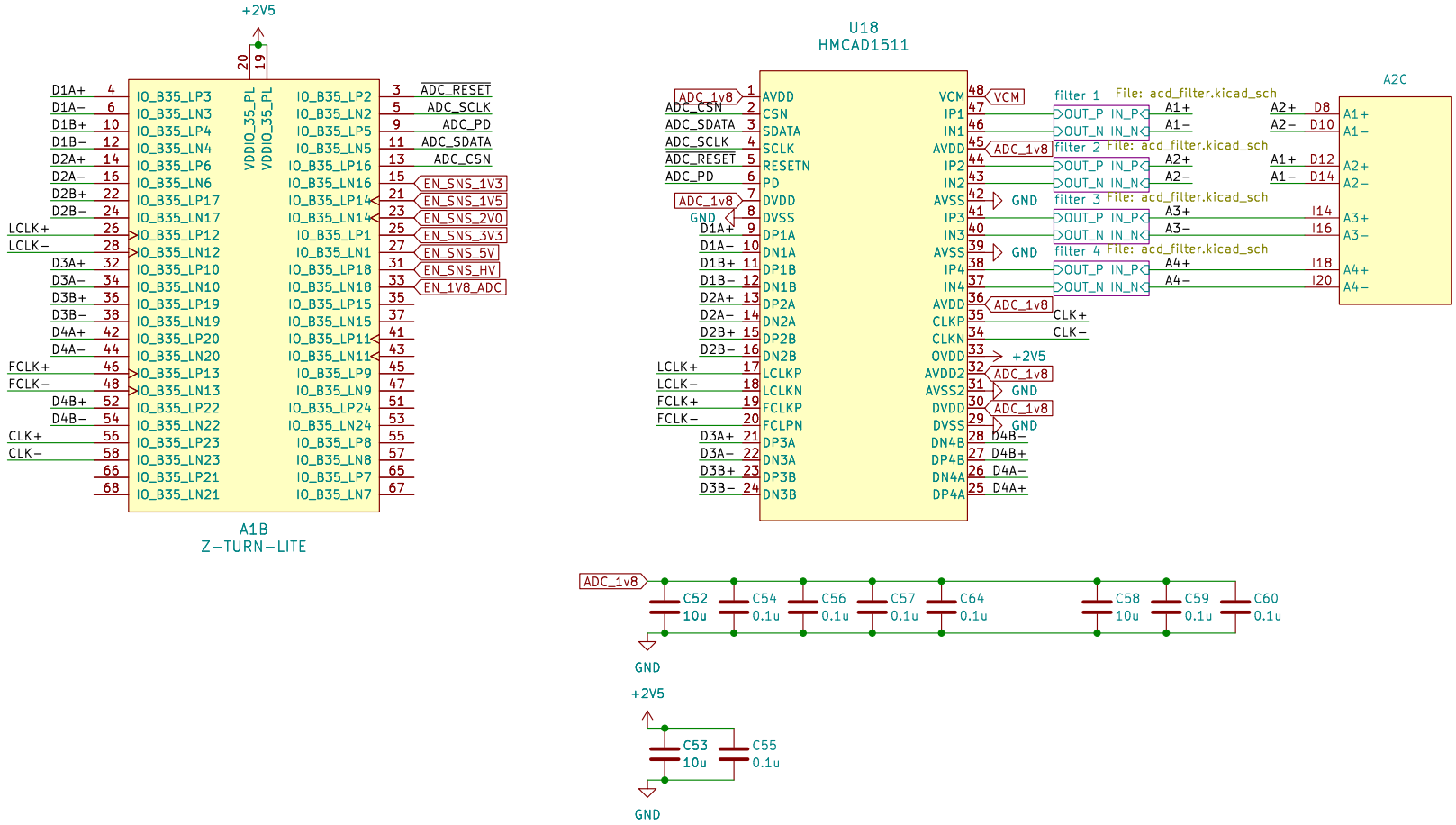
Apertus		
Sheet: /Power/5v reg/		
File: 5v_reg.kicad_sch		
Title: 2D5 experiment board		
Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 7/16



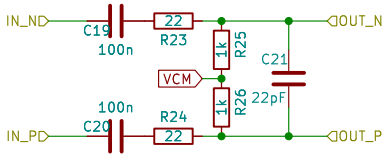
Apertus		
Sheet: /Power/sensor 5V/		
File: ordinary_rail.kicad_sch		
Title: 2D5 experiment board		
Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 8/16



Apertus		
Sheet: /Power/negative 1v3/		
File: negative_rail.kicad_sch		
Title: 2D5 experiment board		
Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 9/16



Apertus		
Sheet: /ADC/		
File: adc.kicad_sch		
Title: 2D5 experiment board		
Size: A4	Date: 2023−12−01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 10/16

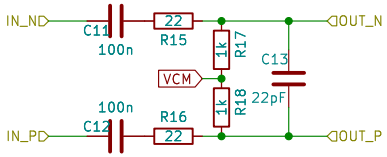


Apertus

Sheet: /ADC/filter 1/
File: acd_filter.kicad_sch

Title: 2D5 experiment board

Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 11/16

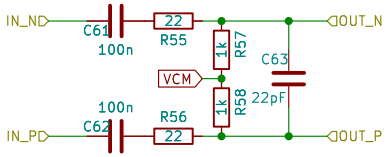


Apertus

Sheet: /ADC/filter 2/
File: acd_filter.kicad_sch

Title: 2D5 experiment board

Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 12/16

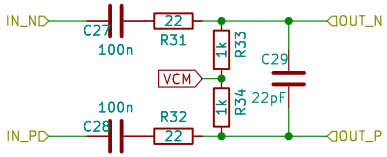


Apertus

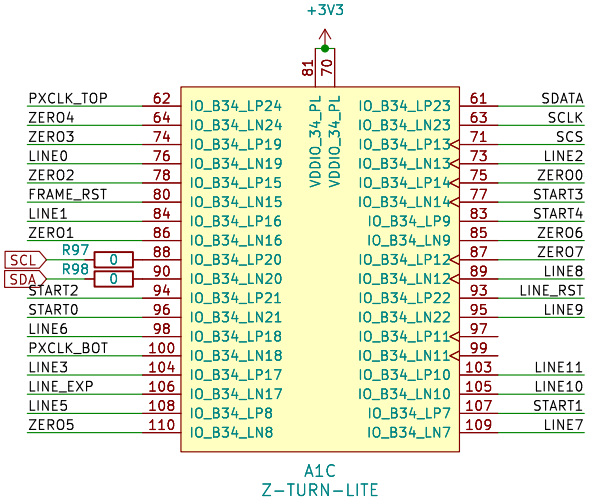
Sheet: /ADC/filter 3/
File: acd_filter.kicad_sch

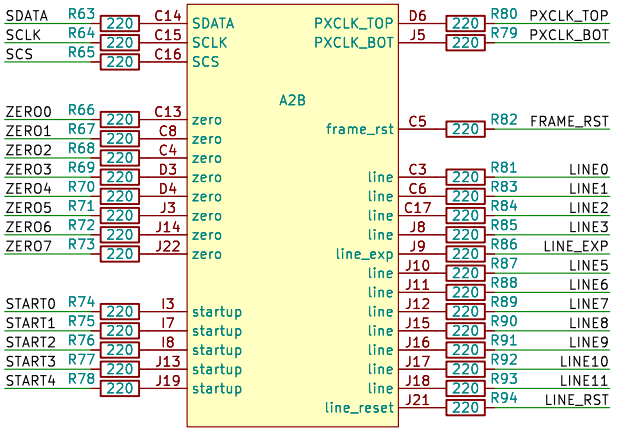
Title: 2D5 experiment board

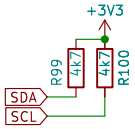
Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 13/16



Apertus		
Sheet: /ADC/filter 4/ File: acd_filter.kicad_sch		
Title: 2D5 experiment board		
Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 14/16







Apertus

Sheet: /digital/

File: digital.kicad_sch

Title: 2D5 experiment board

Size: A4	Date: 2023-12-01	**Rev: 0.1**
KiCad E.D.A. kicad 7.0.8		Id: 15/16