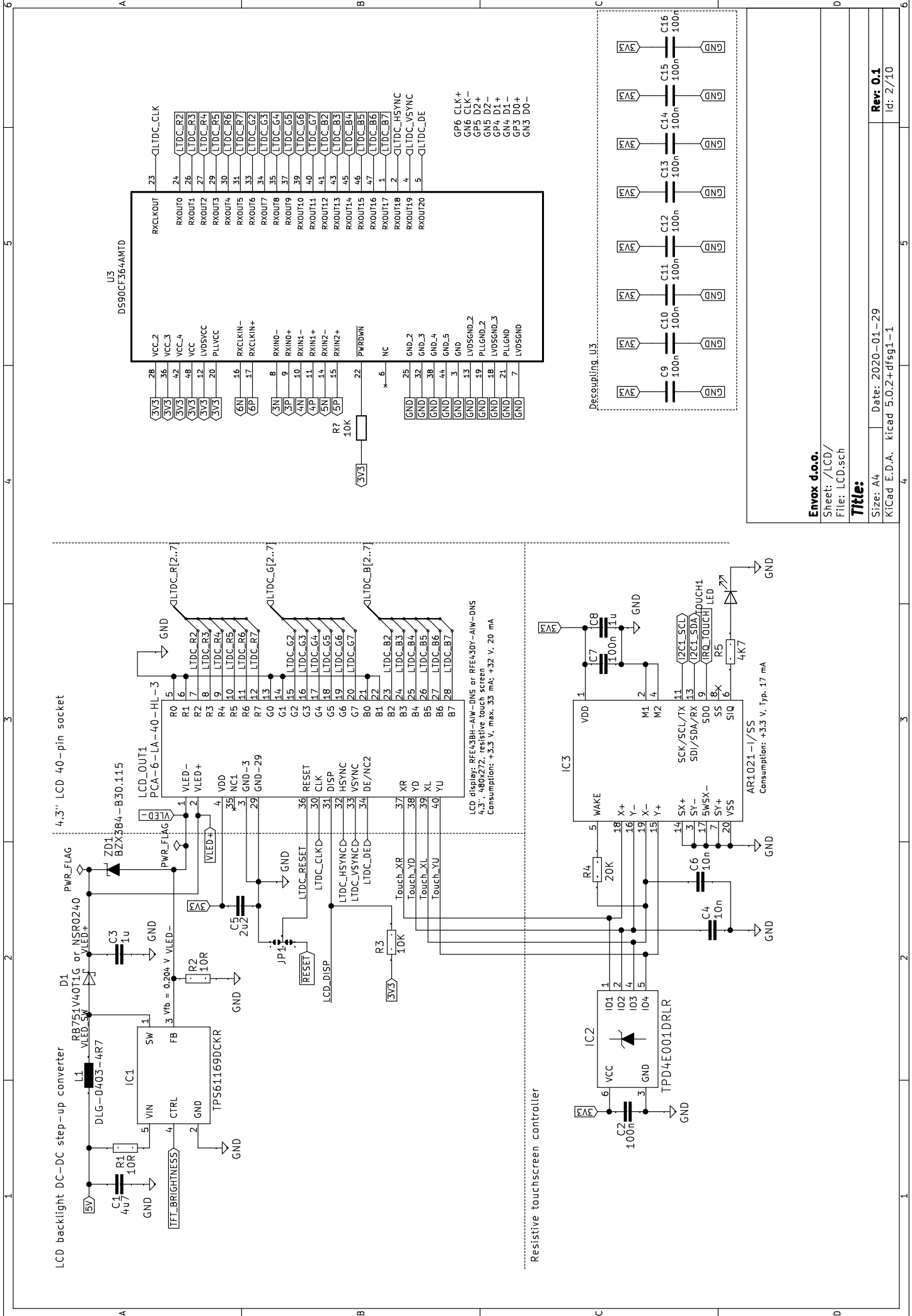


1		2		3		4		
Sheet: LCD		Sheet: Video_IN	Sheet: ULX3S	Sheet: ADC	Sheet: DIB_v1	Sheet: DIB_v2	A	
File: LCD.sch		File: Video_IN.sch	File: ULX3S.sch	File: ADC.sch	File: DIB_v1.sch	File: DIB_v2.sch		
							B	
		Envox d.o.o.						
		Sheet: /						
		File: LCD_PMOD.sch						
		Title: ADC_LVDS_RGB_DIB1_DIB2						
Size: User		Date: 2020-01-29		Rev: 0.1				
KiCad E.D.A.		kicad 5.0.2+dfsg1-1		Id: 1/10				
1		2		3		4		



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Sheet: /LCD/
File: LCD.sch

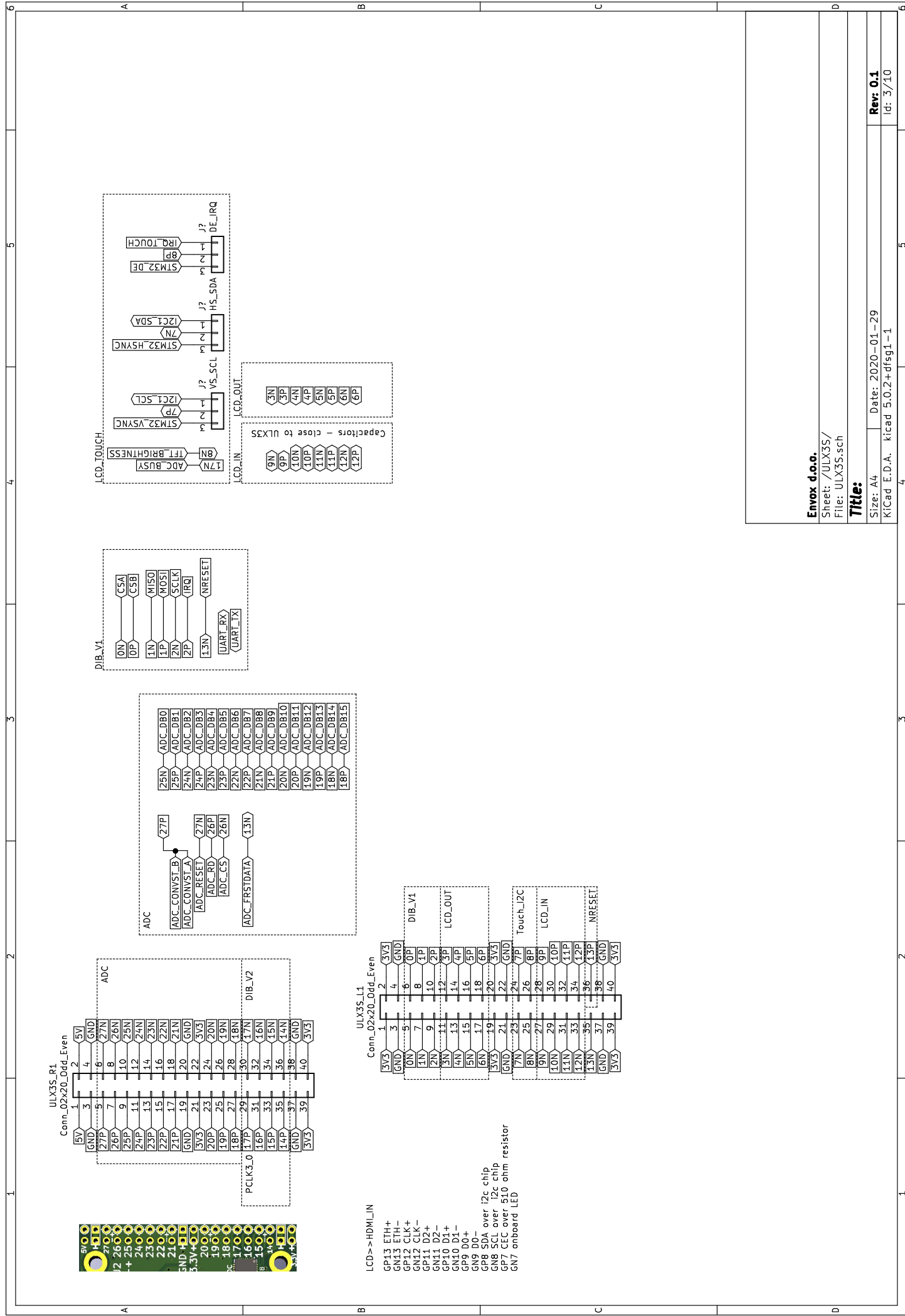
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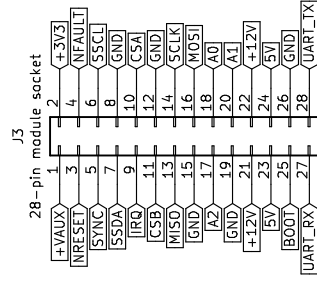
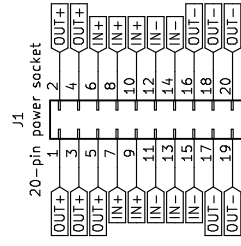
Size: A4 Date: 2020-01-29

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

Rev: 0.1

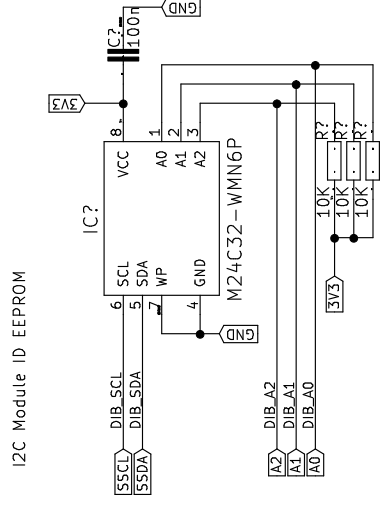
Id: 2/10





DIB v1.0 connector

- | | | | |
|----|----------|----------|----|
| 2 | +Vaux | +3V3 | 1 |
| 4 | NRESET | NFAULT | 3 |
| 5 | OE_SYNC | DIB_SCL | 5 |
| 8 | DIB_SDA | Gnd | 7 |
| 10 | DIB_IRQ | DIB_CSA | 9 |
| 12 | DIB_CSB | Gnd | 11 |
| 14 | DIB_MISO | DIB_SCLK | 13 |
| 16 | Gnd | DIB_MOSI | 15 |
| 18 | DIB_A2 | DIB_A0 | 17 |
| 20 | Gnd | DIB_A1 | 19 |
| 22 | +12V | +12V | 21 |
| 24 | +5V | +5V | 23 |
| 26 | BOOT | Gnd | 25 |
| 28 | UART_TX | UART_RX | 27 |

**Envox d.o.o.**

Sheet: /DIB_v1/
File: DIB_v1.sch

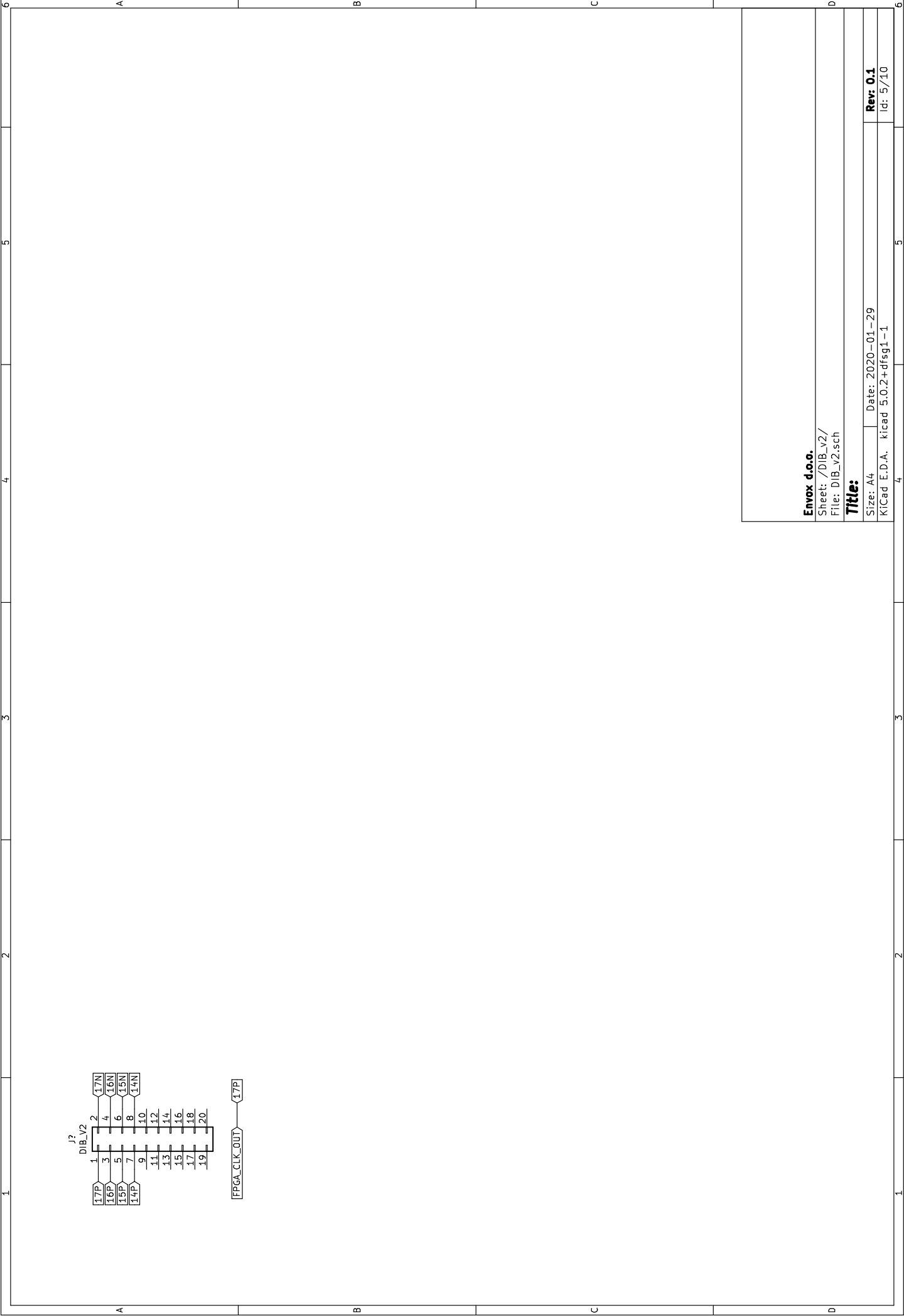
Title:

Size: A4	Date: 2020-01-29
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Rev: 0.1

Id: 4/10



Envoy d.o.o.

Sheet: /DIB_v2/
File: DIB_v2.sch

Title:

Size: A4

Date: 2020-01-29

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Rev: 0.1

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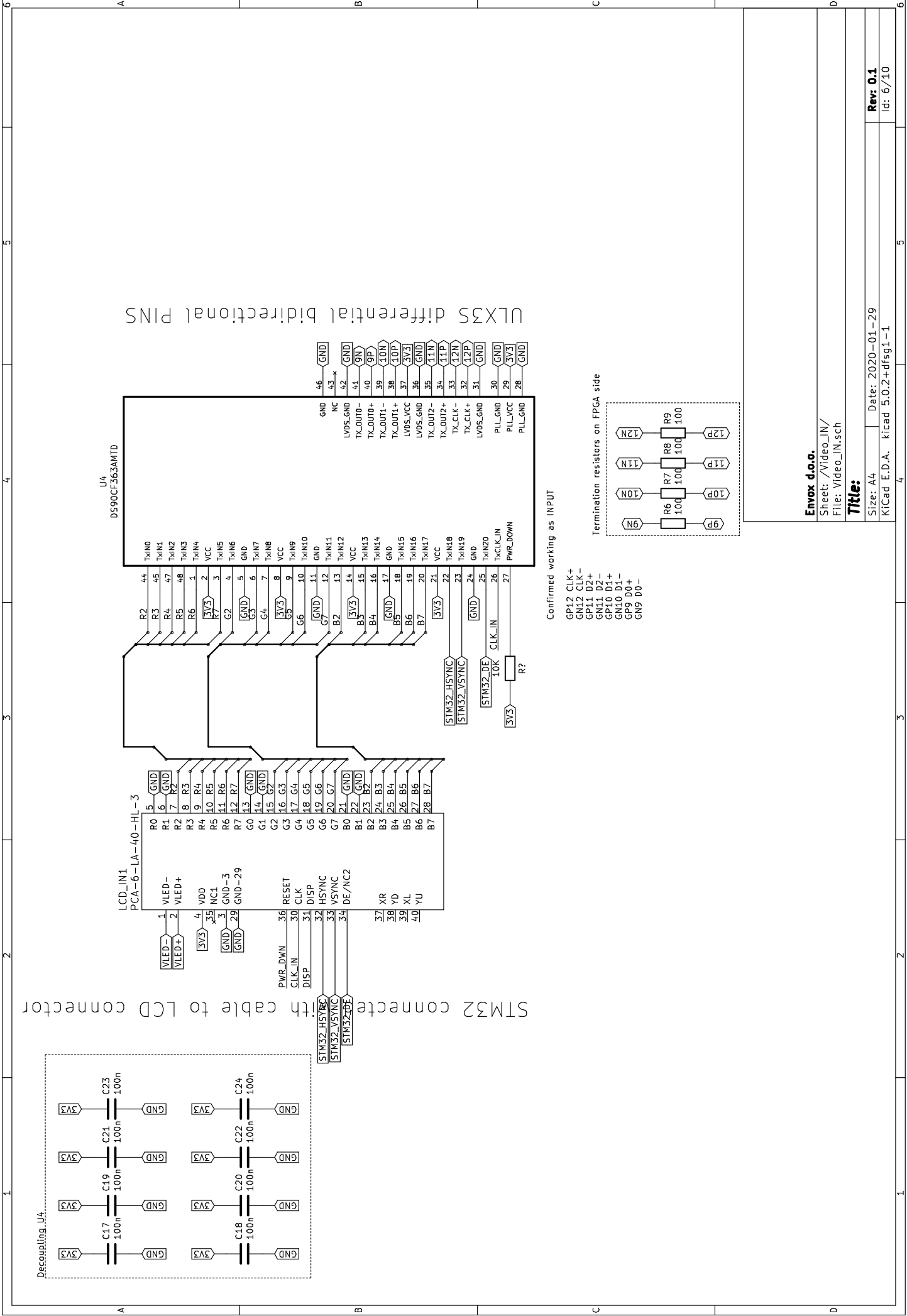
6

A

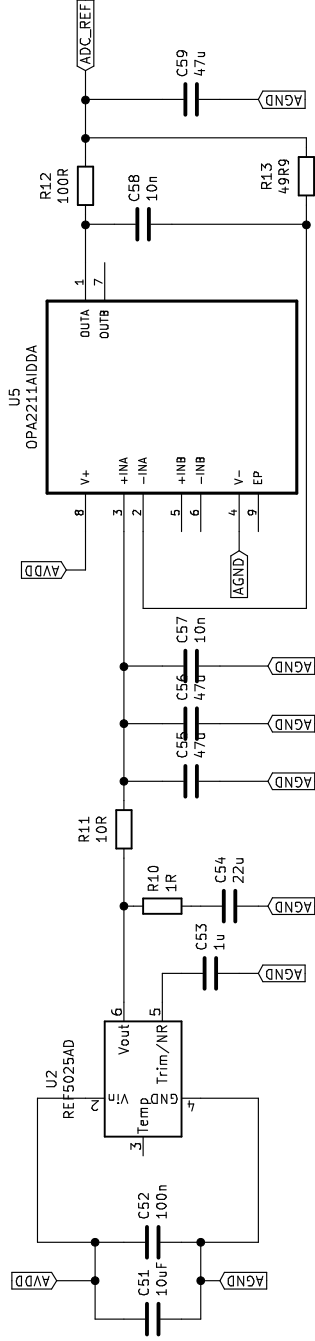
B

C

D



If this is not placed on board — use internal reference — ADC_REF_EN_WPR set to 1



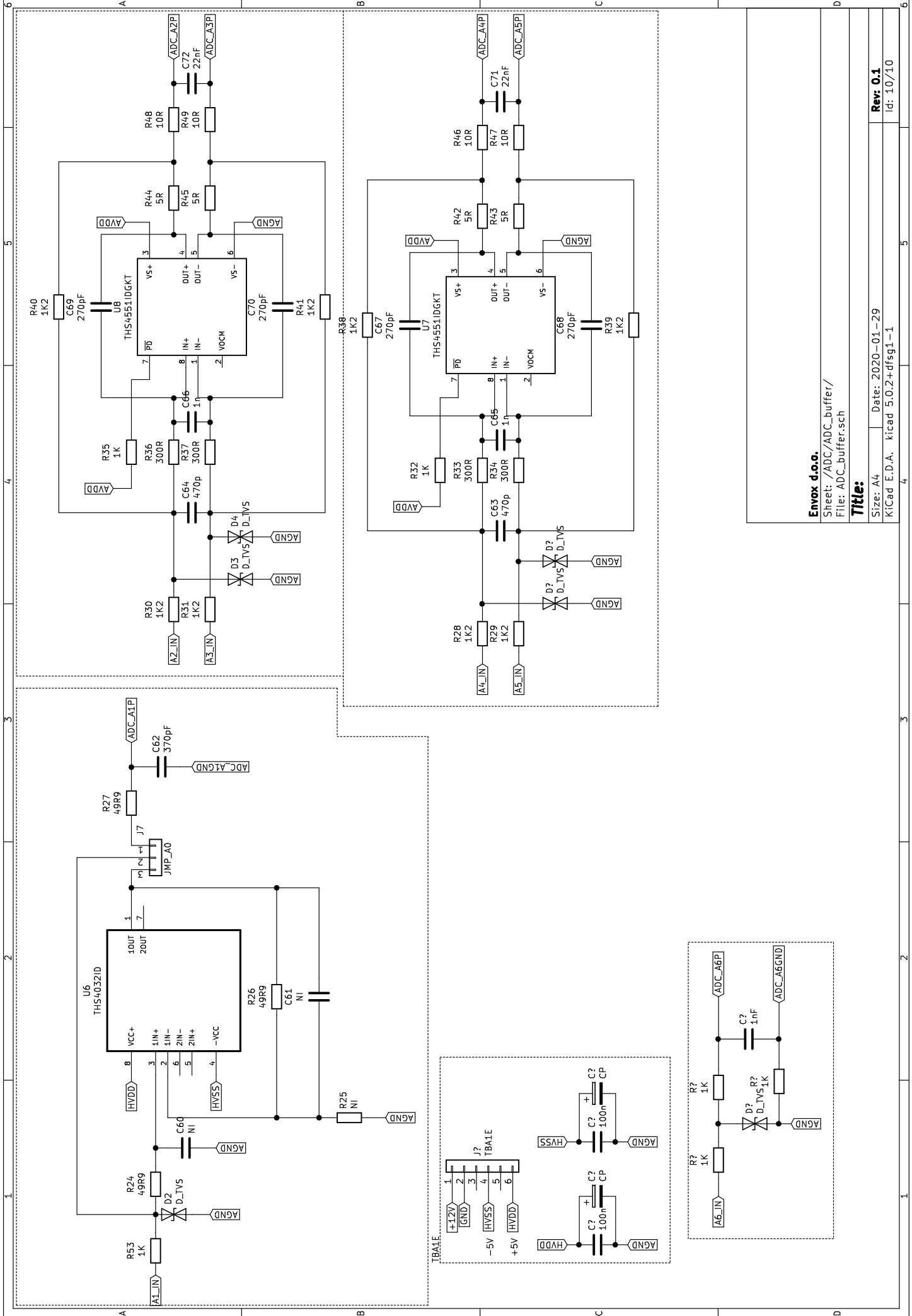
Envoy d.o.o.

Sheet: /ADC/Temperature REF/
File: Temperature REF.sch

Title:

Size: A4 | Date: 2020-01-29
KiCad E.D.A. kicad 5.0.2+dfsg1-1

Rev. 0.1
Id: 8/10



Envox d.o.o.

Sheet: /ADC/ADC_buffer/

File: ADC_buffer.sch

Title:

Size: A4

Date: 2020-01-29

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

Rev. 0.1

Id: 10/10