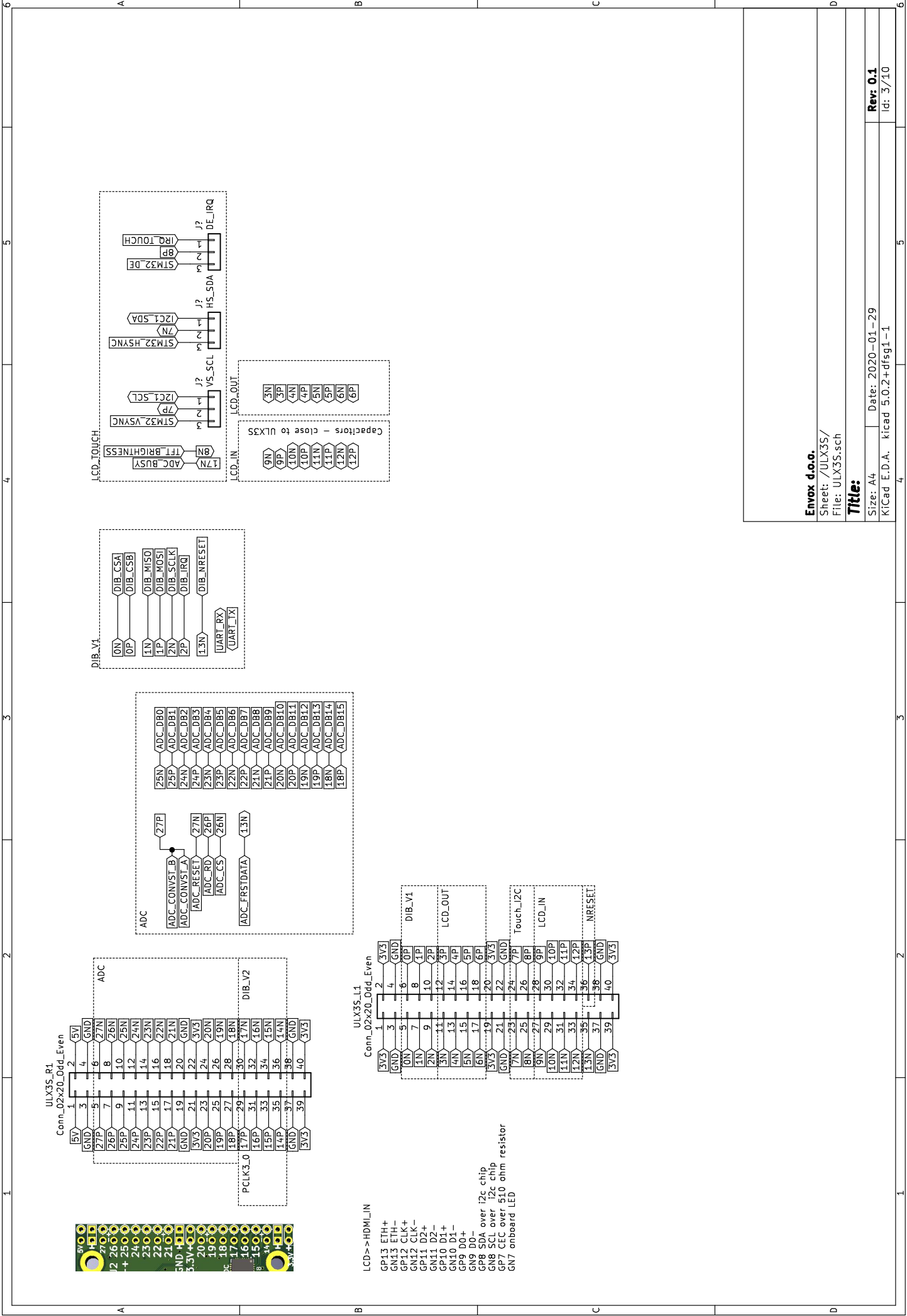
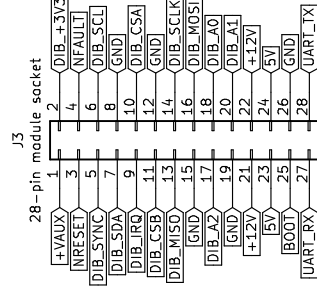
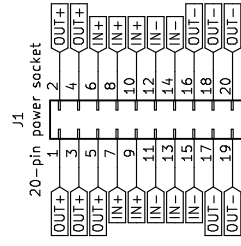


1		2		3		4		
Sheet: LCD		Sheet: Video_IN	Sheet: U1X3S	Sheet: ADC	Sheet: DIB_v1	Sheet: DIB_v2	A	
File: LCD.sch		File: Video_IN.sch	File: U1X3S.sch	File: ADC.sch	File: DIB_v1.sch	File: DIB_v2.sch		
							B	
		Envox d.o.o.						
		Sheet: /						
		File: LCD_PMOD.sch						
		Title: ADC_LVDS_RGB_DIB1_DIB2						
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		

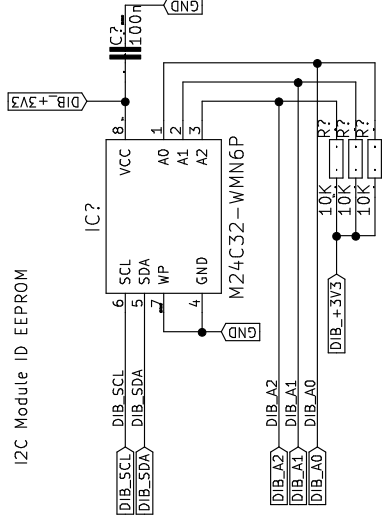


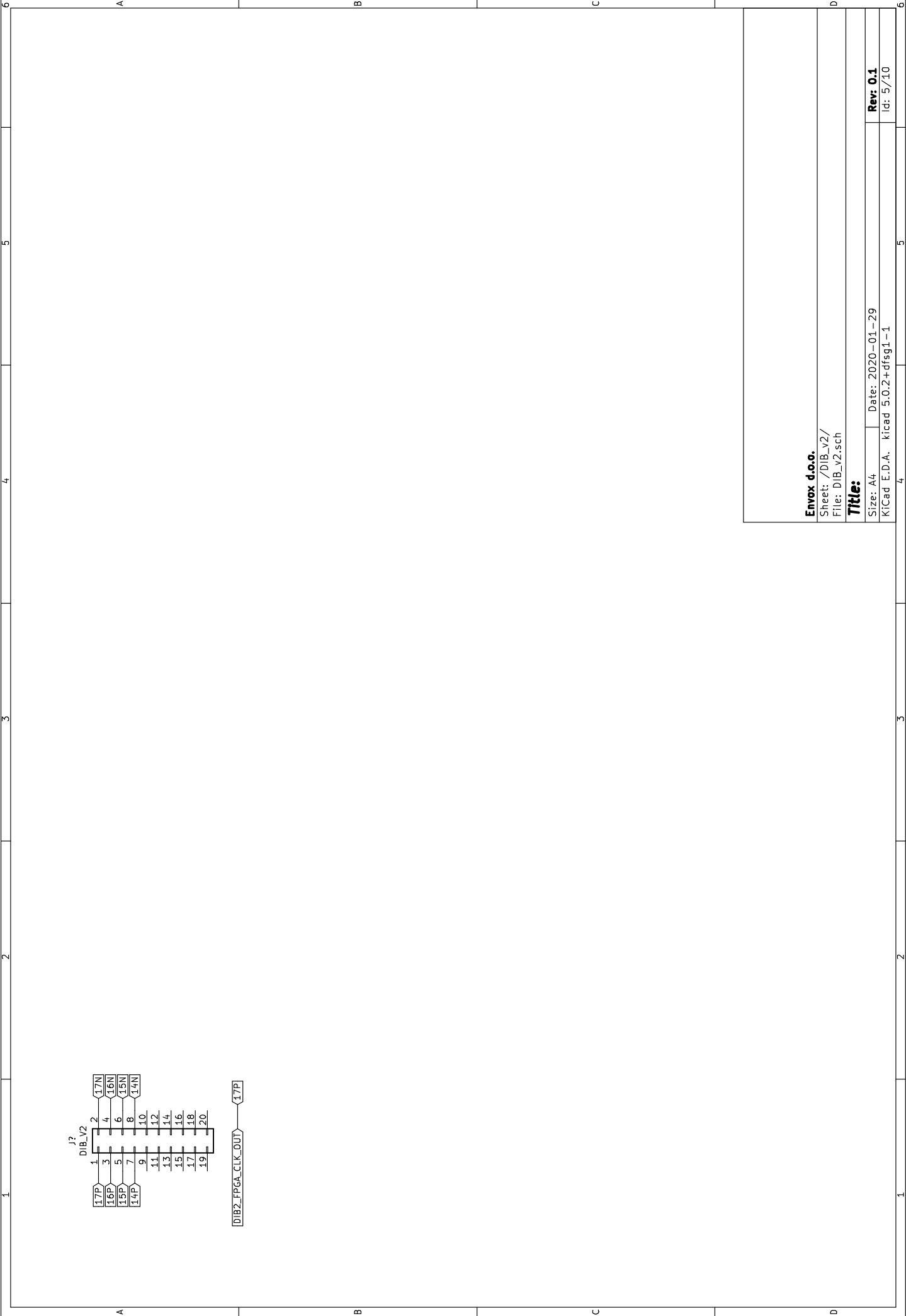




DIB v1.0 connector

- |    |          |          |    |
|----|----------|----------|----|
| 2  | +Vaux    | +3V3     | 1  |
| 4  | NRESET   | NFAULT   | 3  |
| 6  | 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 |

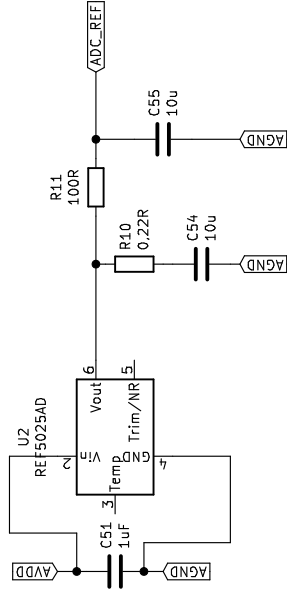








If this is not placed on board – use internal reference – ADC\_REF\_EN\_WR set to 1

**Envox d.o.o.**

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

Title:

Size: A4	Date: 2020-01-29
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Size: 4T	Date: 2020-01-23	REV: 0.1
KiCad E.D.A. kicad 5.0.2+dfsg1-1		Id: 8/10

Rev: 0.1

Rev. 001  
Id: 8/10



1	2	3	4	5	A
<div><div>Oversampling</div><div><div><div>OS0</div><div><div>AVDD</div><div>1K</div><div>J?</div></div><div><div>OS0</div><div>AGND</div><div>R?</div></div></div><div><div>OS1</div><div><div>AVDD</div><div>1K</div><div>J?</div></div><div><div>OS1</div><div>AGND</div><div>R?</div></div></div><div><div>OS2</div><div><div>AVDD</div><div>1K</div><div>J?</div></div><div><div>OS2</div><div>AGND</div><div>R?</div></div></div></div><div><div>PAR(Q)/SER(1)</div><div><div><div>AVDD</div><div>1K</div><div>J?</div></div><div><div>ADC_PAR</div><div>AGND</div><div>R?</div></div></div></div><div><div><math>\pm 5(0)/\pm 10(1)</math></div><div><div><div>AVDD</div><div>1K</div><div>J?</div></div><div><div>ADC_RANGE</div><div>AGND</div><div>R?</div></div></div></div><div><div>(1)Enable Internal REF</div><div><div><div>AVDD</div><div>1K</div><div>J?</div></div><div><div>ADC_REF_EN_WR</div><div>AGND</div><div>R?</div></div></div></div><div><div><div>AVDD</div><div>1K</div><div>R?</div></div><div><div>ADC_STBY</div><div>AGND</div><div>R?</div></div></div></div>					B
					C
					D
<div><div>Envoy d.o.o.</div><div>Sheet: /ADC/ADC_settings/ File: ADC_settings.sch</div><div>Title:</div><div>Size: A4   Date: 2020-01-29 KiCad E.D.A. kicad 5.0.2+dfsg1-1</div></div>					E
					F

