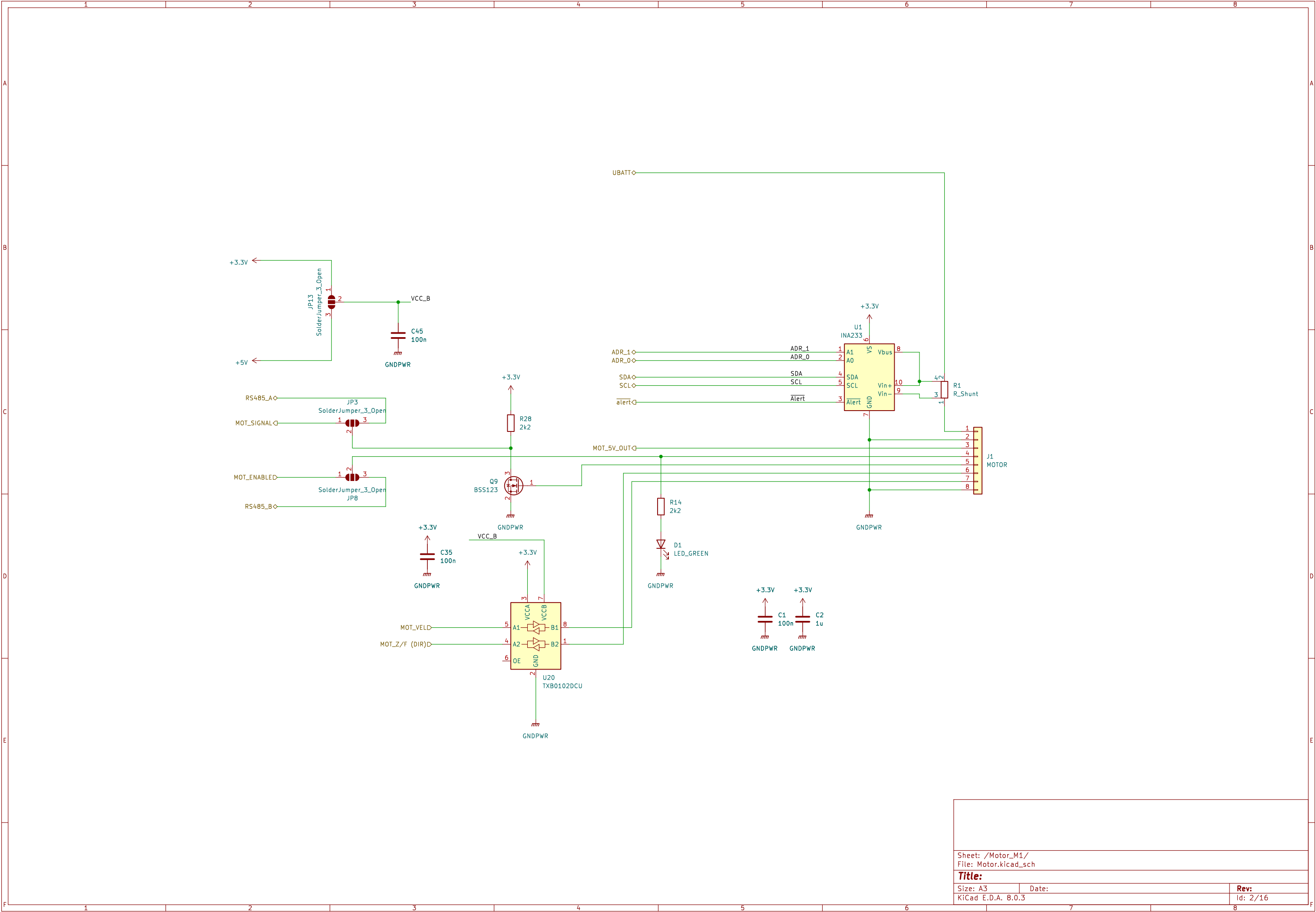


I2C Address				PWM CHANNEL: [PCA9685]			
PCA9685	0x47	PWM	(ADDR = A0)	CH0:	M1	DIR	
ADS1115	0x48	ANALOG	(ADDR = GND)	CH1:	M1	VEL	
ADS1115	0x49	ANALOG	(ADDR = VCC)	CH2:	M2	DIR	
				CH3:	M2	VEL	
BMI180	0x69	ACC/GYR	(SDO = VCC)	CH4:	M3	DIR	
	0x68		(SDO = GND)	CH5:	M3	VEL	
BME280	0x77	ENV	(SDO = VCC)	CH6:	M4	DIR	
	0x76		(SDO = GND)	CH7:	M4	VEL	
LSM303	0x3A	ACC		CH8:	LIGHT FRONT		
	0x3C	MAG		CH9:	LIGHT BACK		
				CH10:	LIGHT FLASH		
INA228	0x40	M1	(A0 = GND A1 = GND)	CH11:			
INA228	0x41	M2	(A0 = VCC A1 = GND)	CH12:			
INA228	0x42	M3	(A0 = SDA A1 = GND)	CH13:			
INA228	0x43	M4	(A0 = SCL A1 = GND)	CH14:	M5	VEL	
INA228	0x44	M5	(A0 = VCC A1 = VCC)	CH15:	M5	DIR	

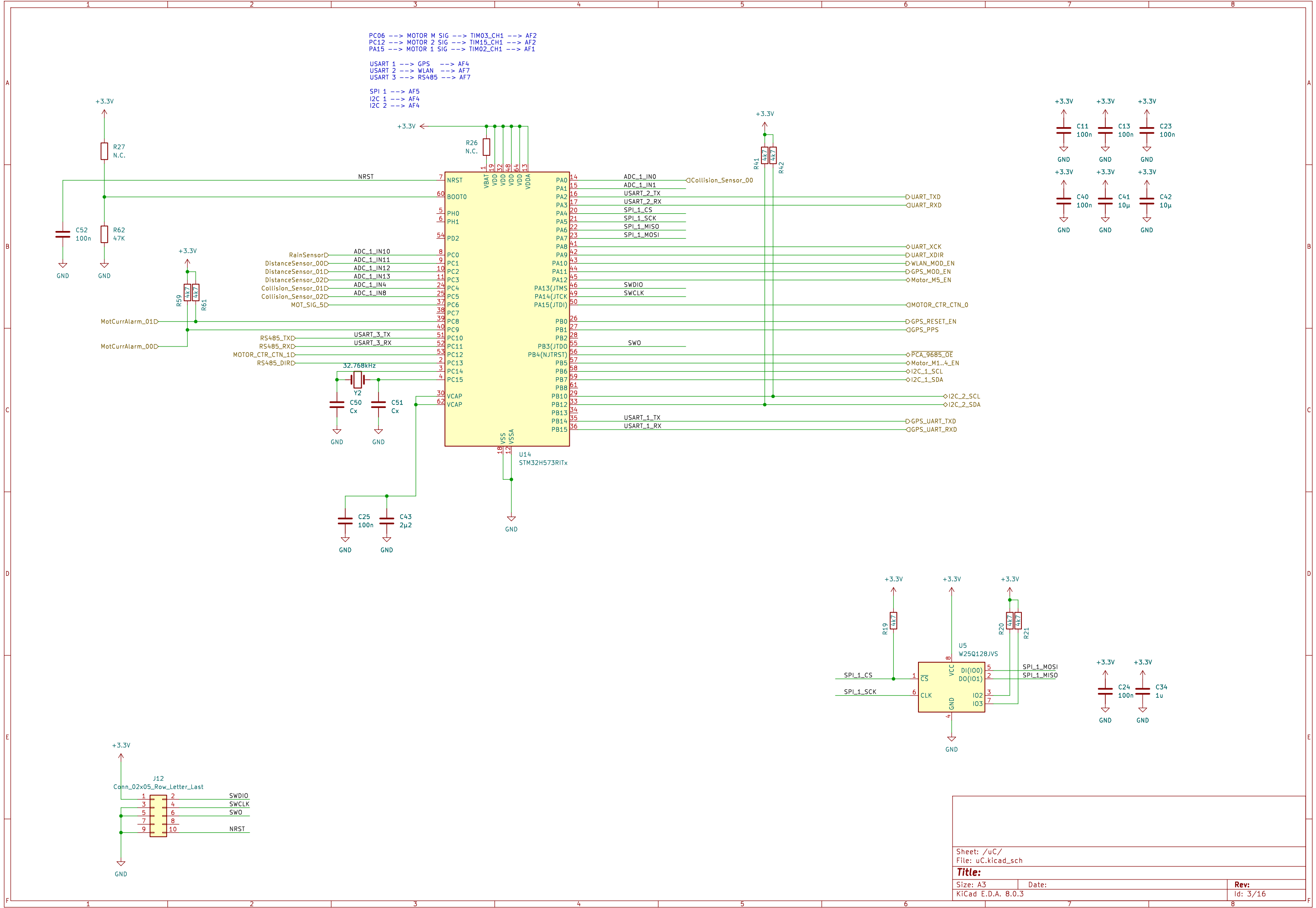
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KiCad E.D.A. 8.0.3		Id: 1/16

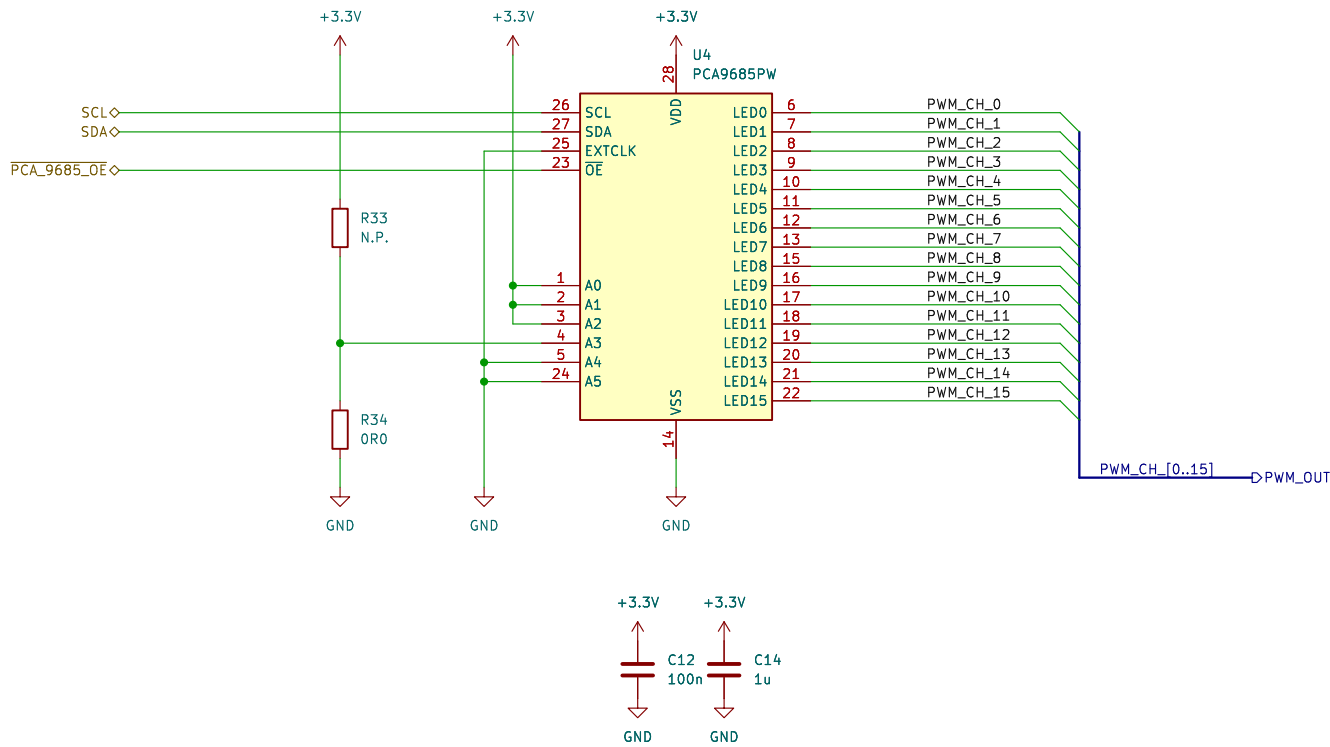


PC06 --> MOTOR M SIG --> TIM03_CH1 --> AF2
PC12 --> MOTOR 2 SIG --> TIM15_CH1 --> AF2
PA15 --> MOTOR 1 SIG --> TIM02_CH1 --> AF1

USART 1 --> GPS --> AF4
USART 2 --> WLAN --> AF7
USART 3 --> RS485 --> AF7

SPI 1 --> AF5
I2C 1 --> AF4
I2C 2 --> AF4





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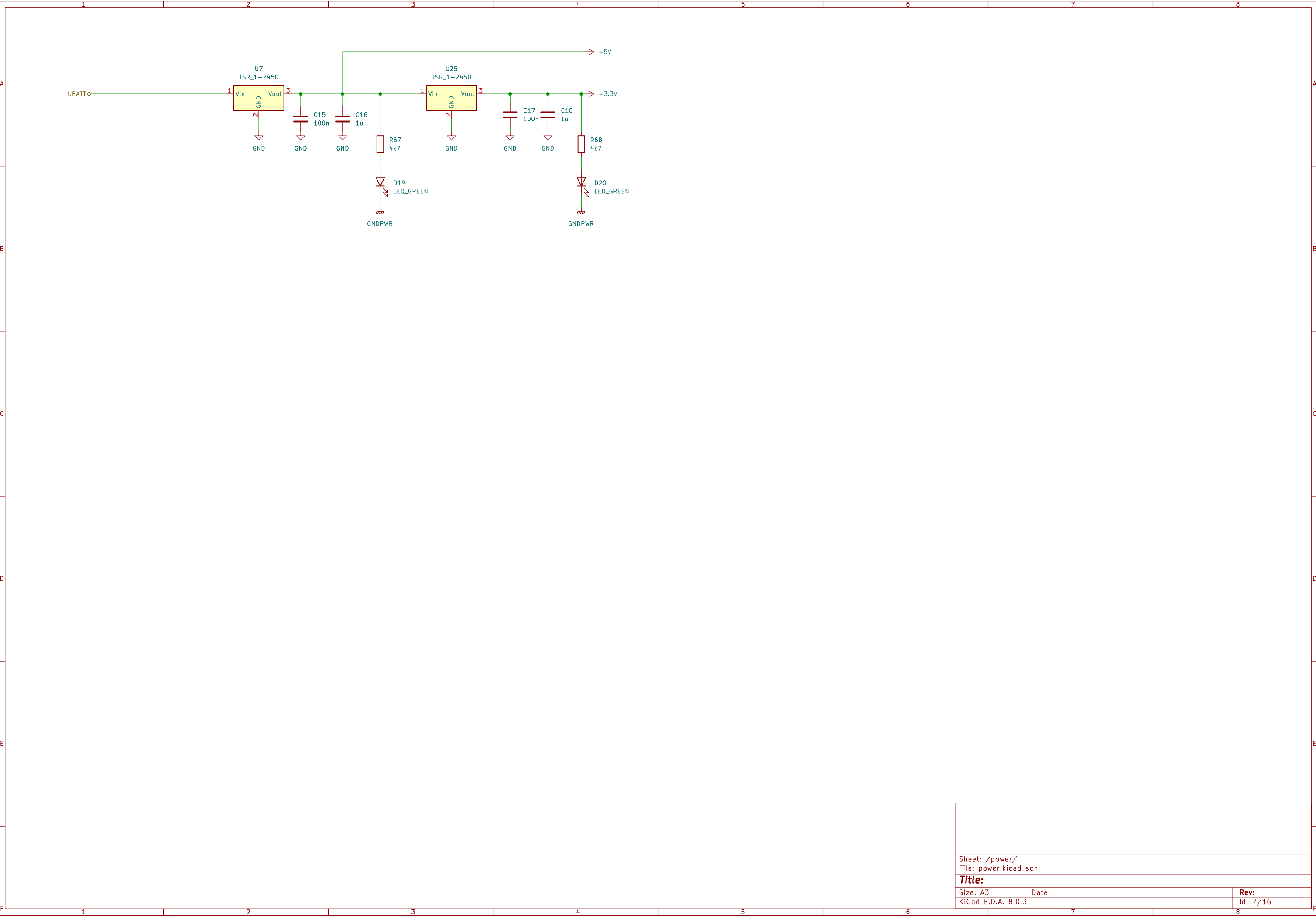
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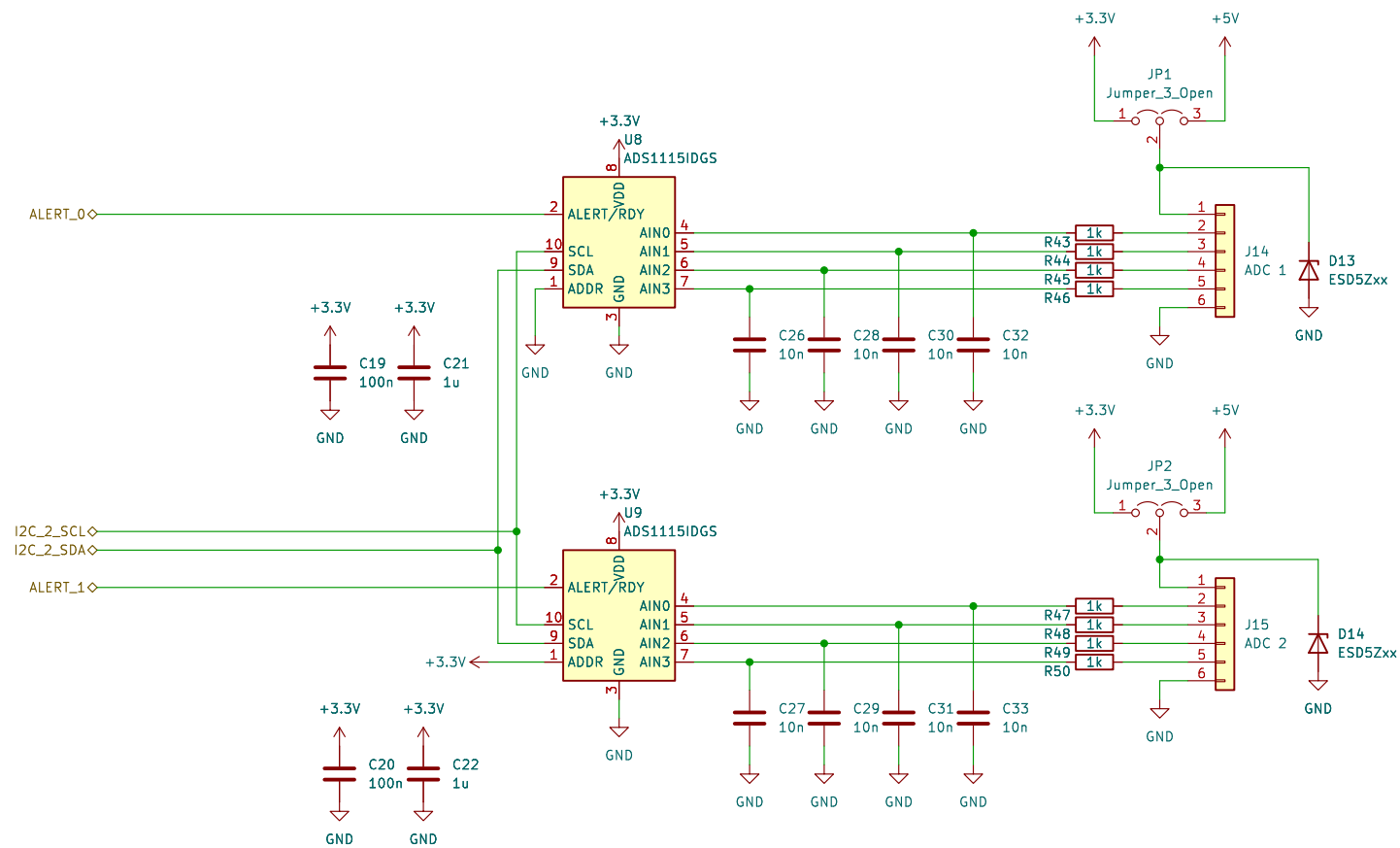
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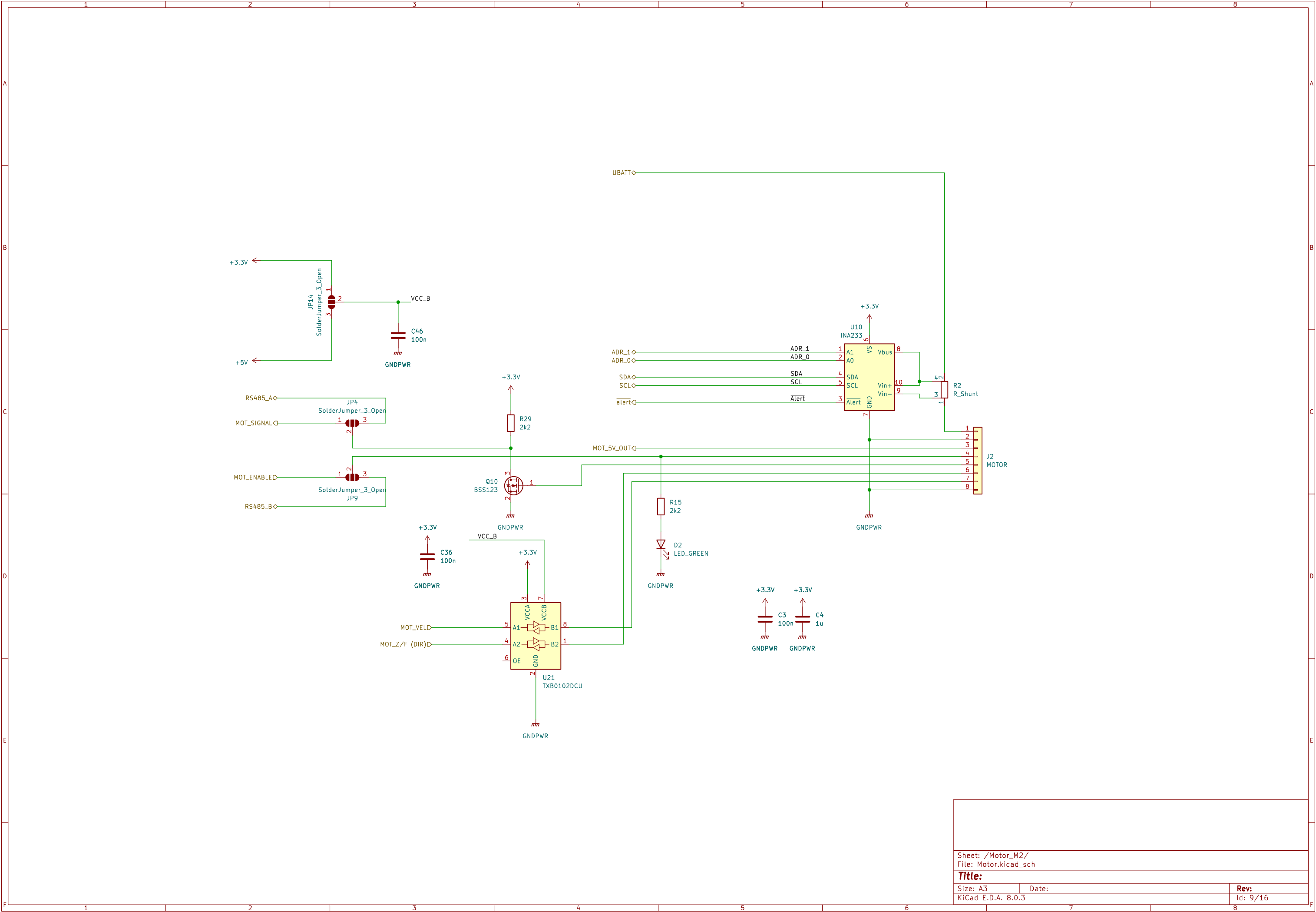
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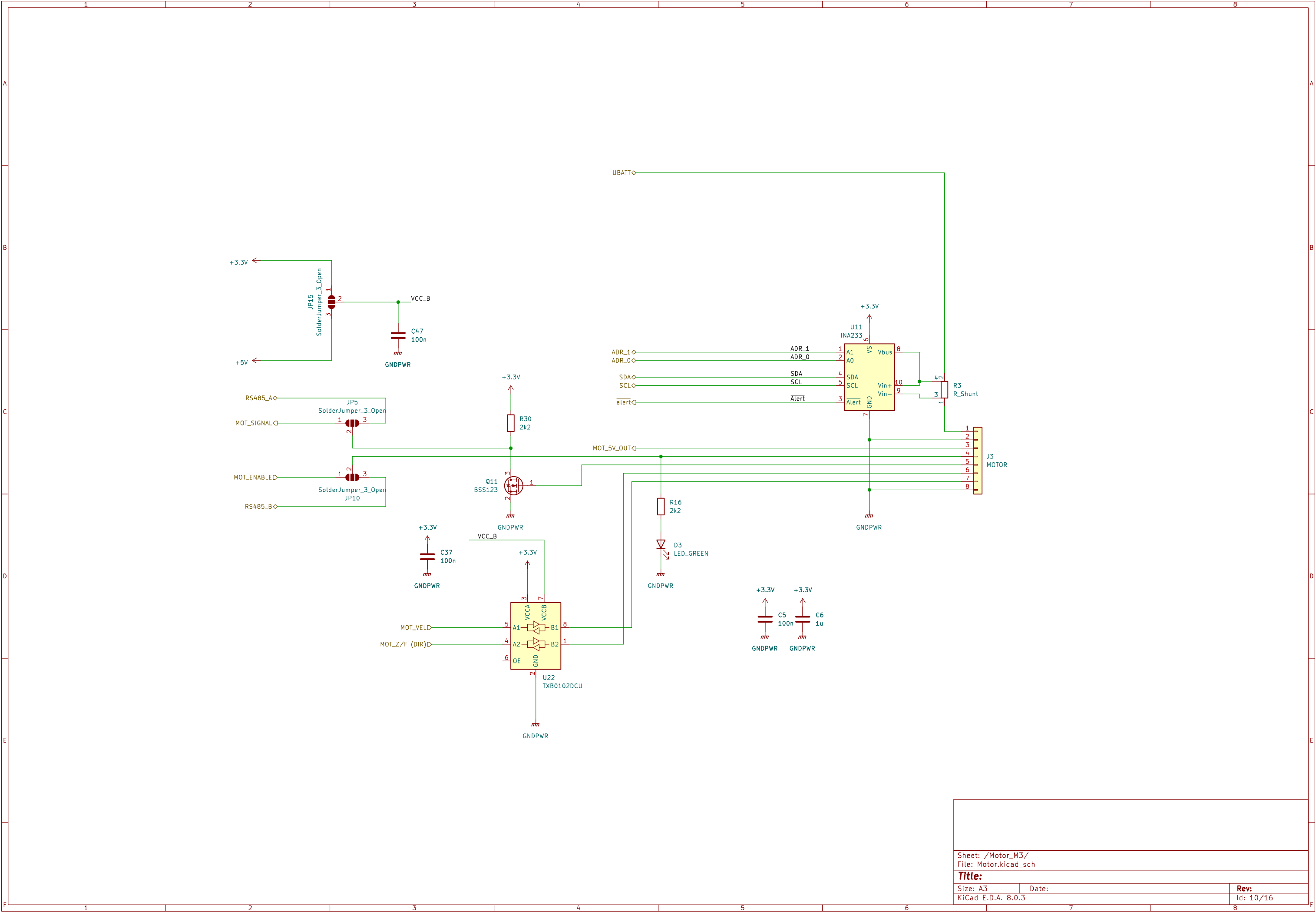
KiCad E.D.A. 8.0.3

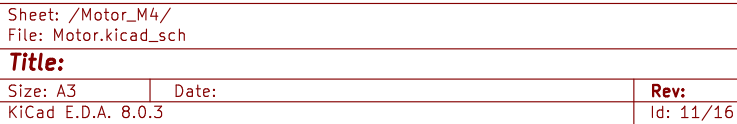
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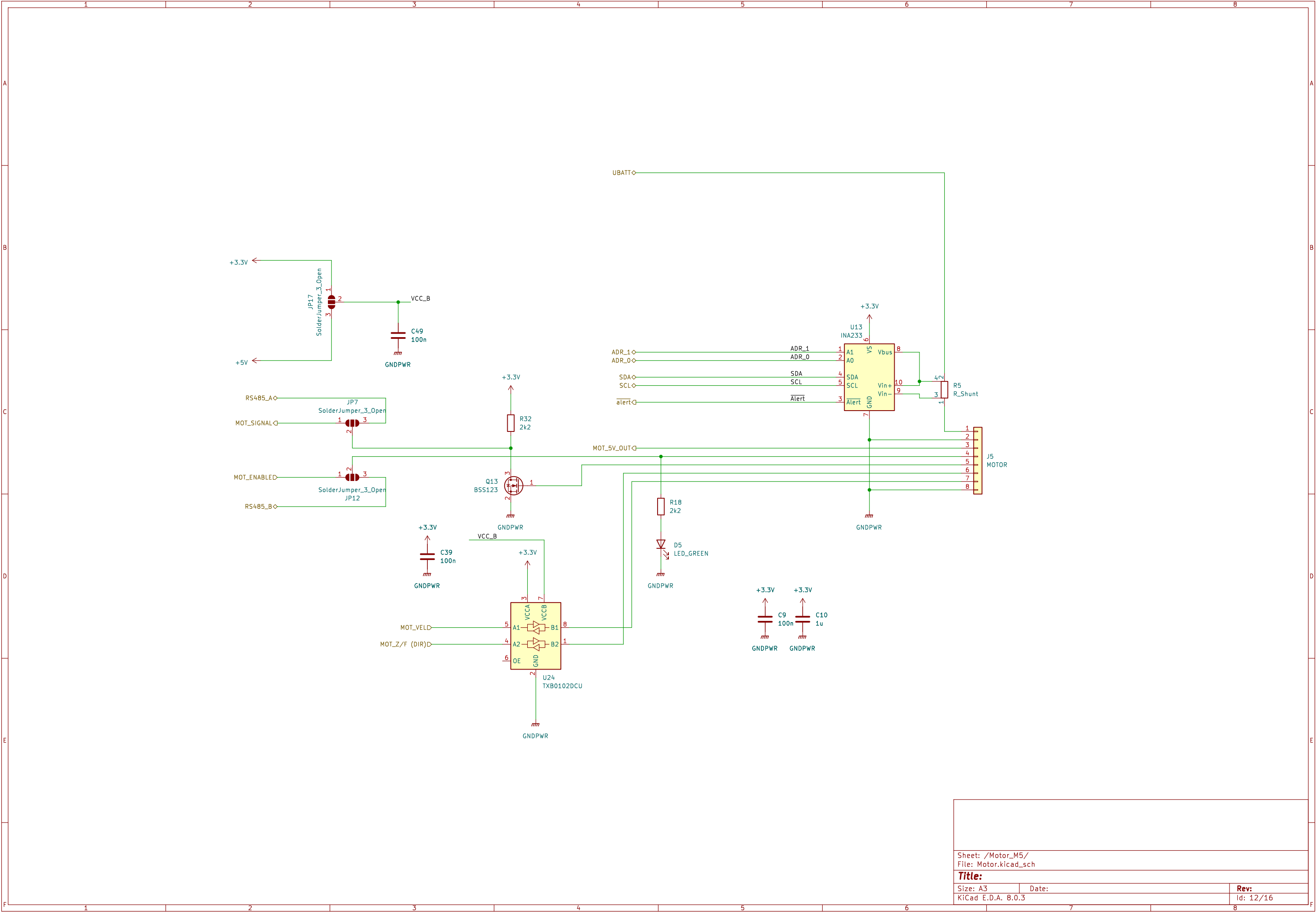


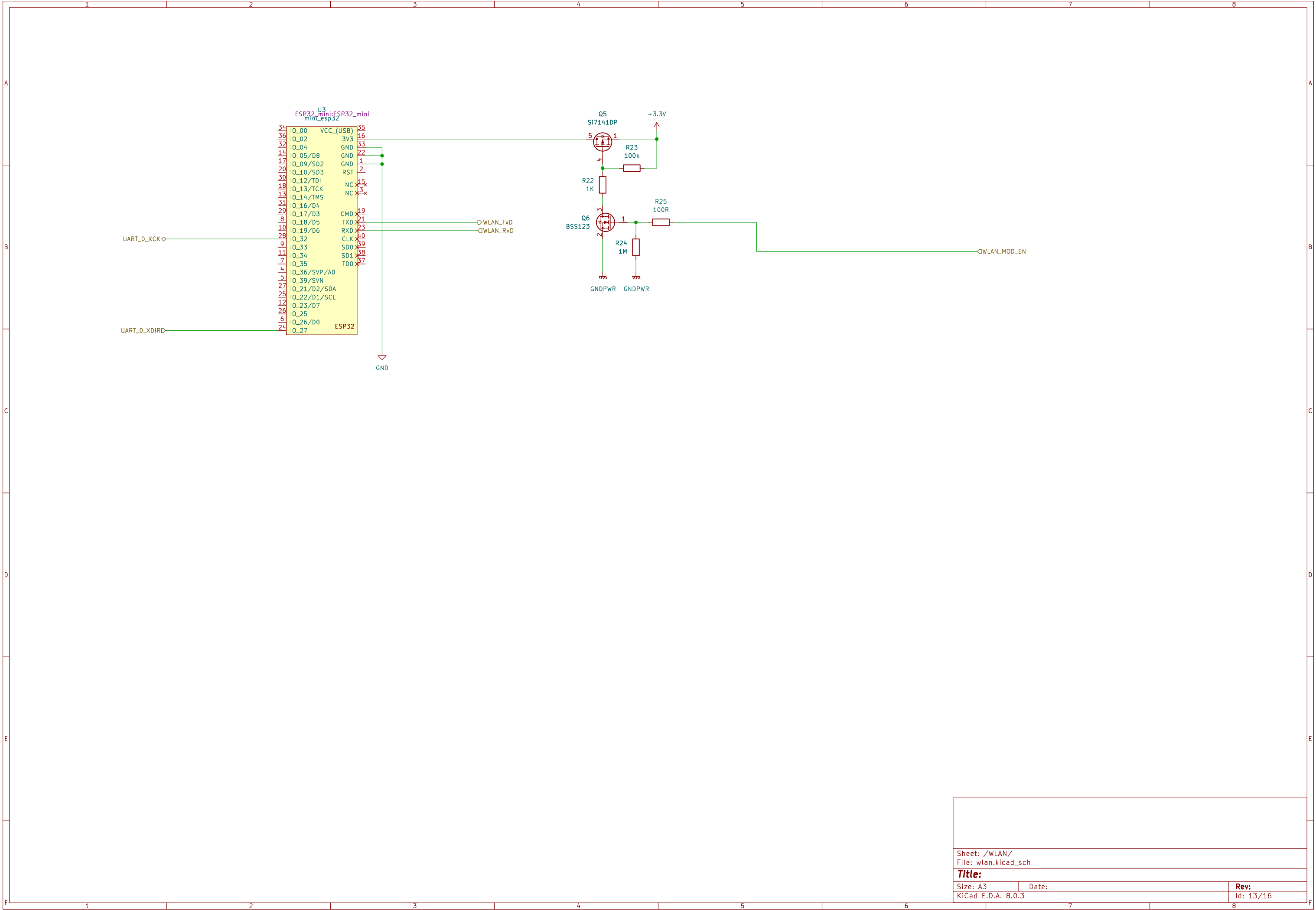


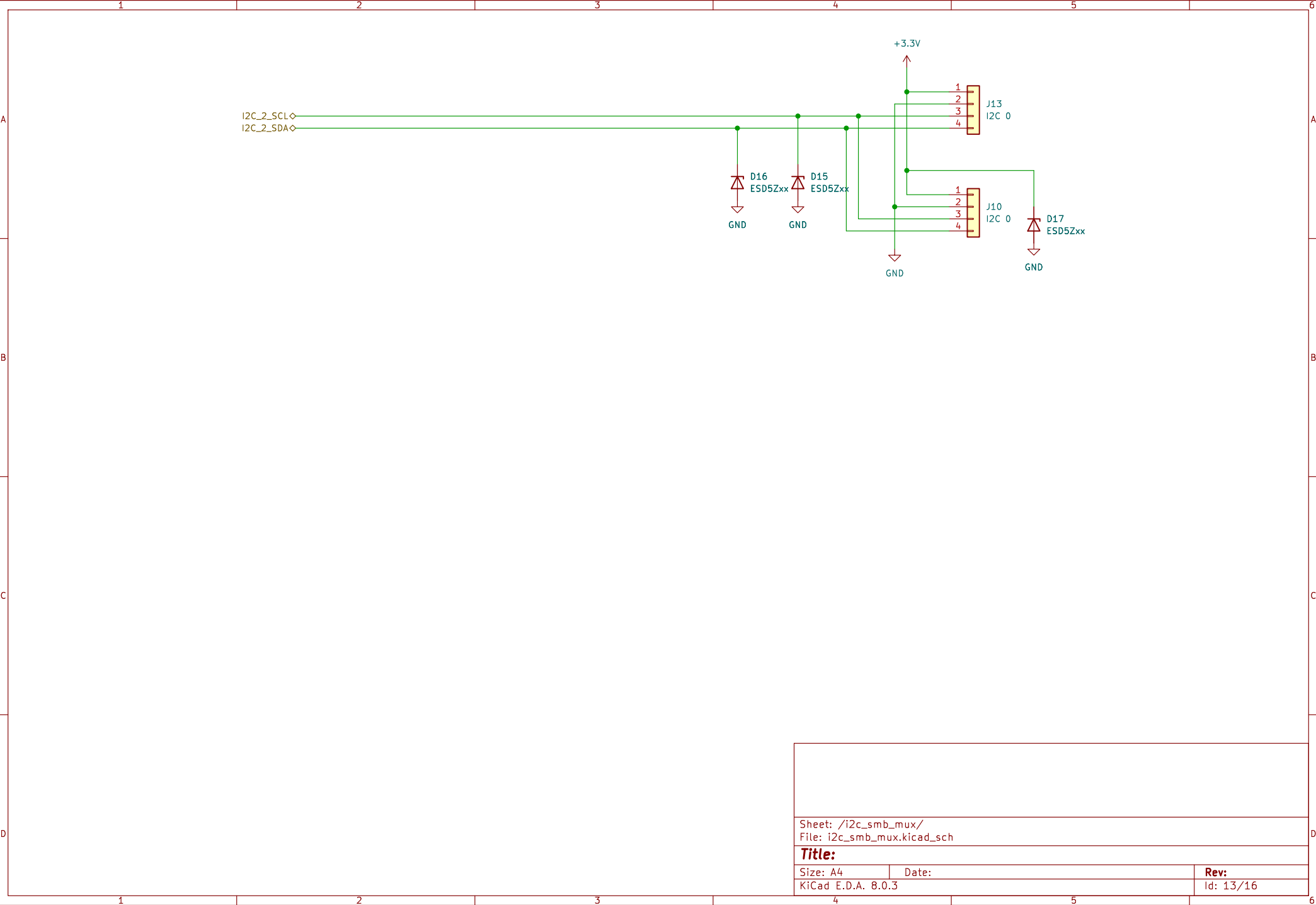












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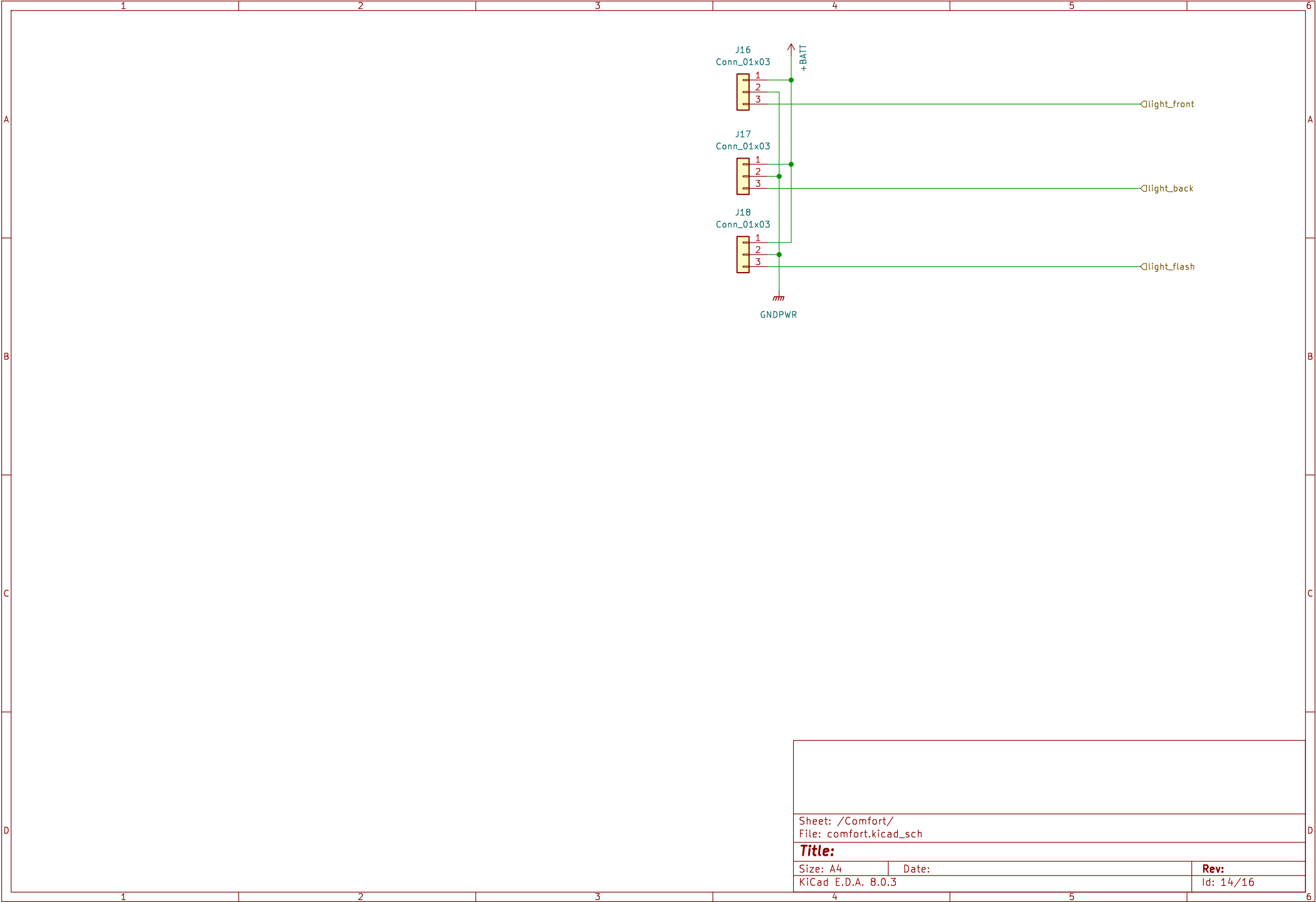
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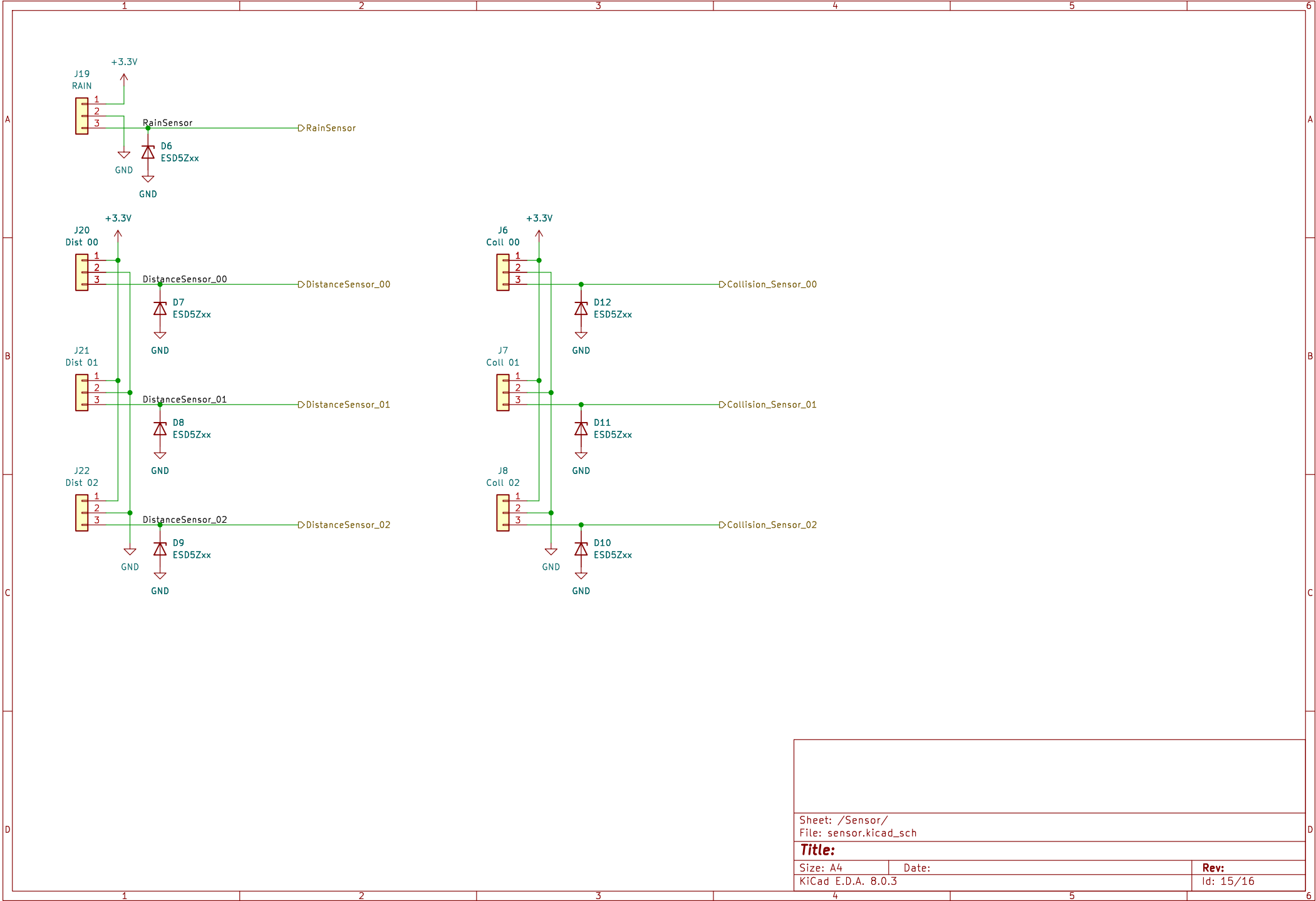
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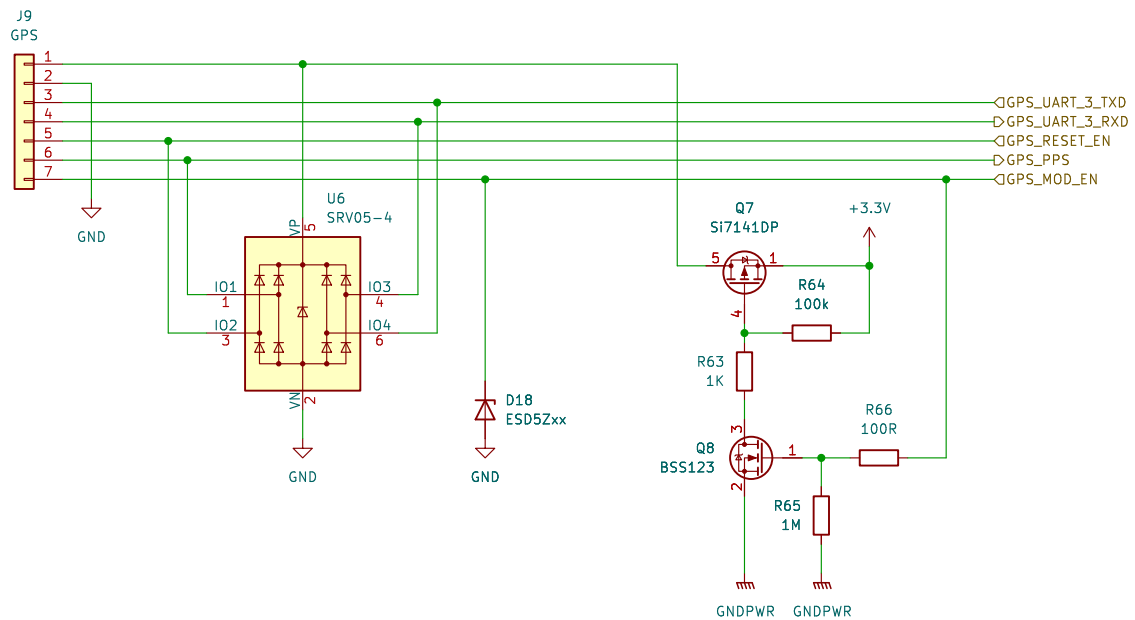
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KiCad E.D.A. 8.0.3	Id: 14/16	



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KiCad E.D.A. 8.0.3		Id: 15/16



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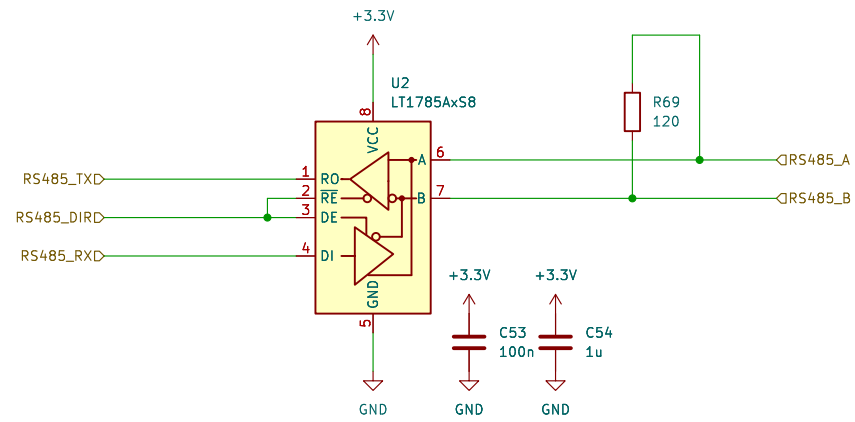
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Id: 16/16



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