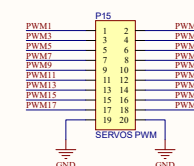
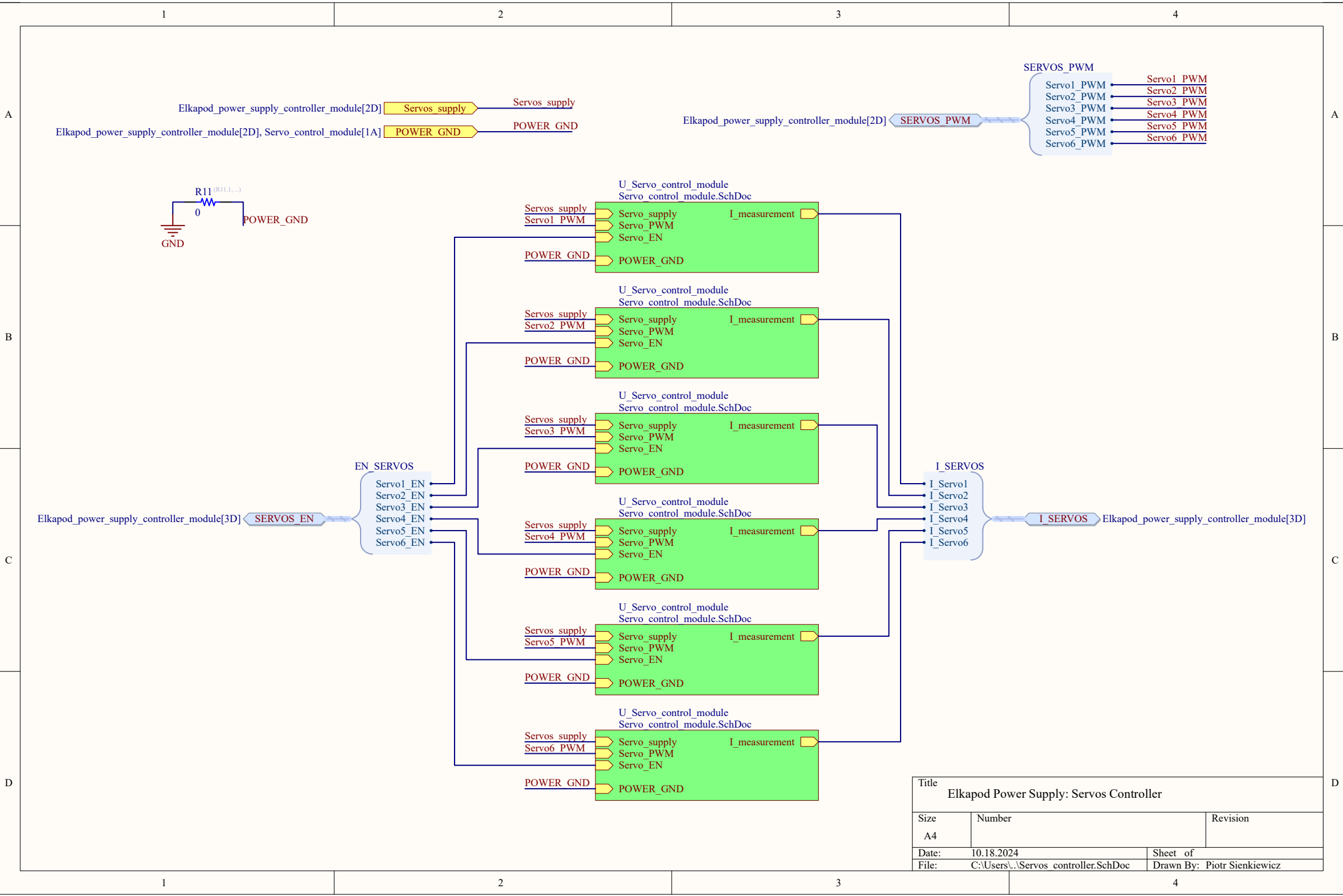


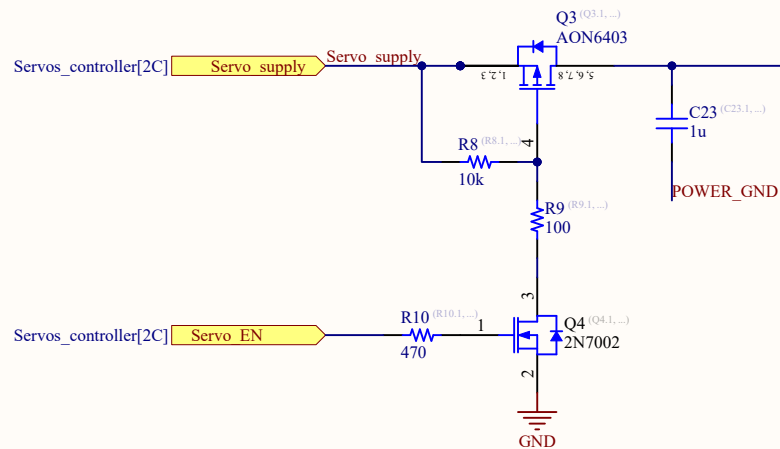
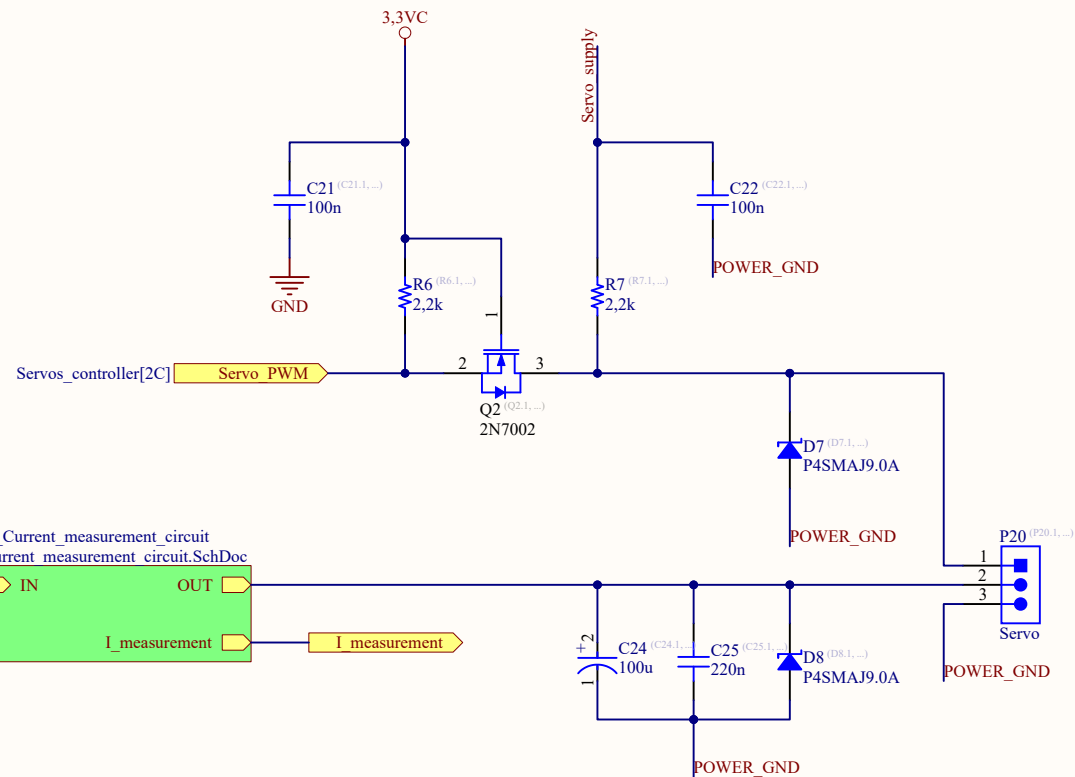
The diagram illustrates the U-Logix controller, a green rectangular block, connected to various external components. On the left, there are three vertical input/output blocks. The top block contains connections for SCL, SDA, OC1 through OC5, and I-standby\_sense, I-3V3\_POW\_sense, I-5V\_POW\_sense, and I-MANIP\_sense. The middle block contains EN and OS inputs for EN\_SERVOS1 and I\_SERVOS1. The bottom block contains EN and OS inputs for EN\_SERVOS2 and I\_SERVOS2. The bottom-most block contains EN and OS inputs for EN\_SERVOS3 and I\_SERVOS3. On the right side of the controller, there are connections for VOLTAGE\_EN (a yellow push-button), SPI (a blue bus), U\_TEMPS (a blue bus), and V\_OUT\_ENABLES (a blue bus). The VOLTAGE\_EN button is connected to a VOLTAGE\_EN line. The SPI bus is connected to an SPI peripheral block, which includes MISO, MOSI, SCK, and CS\_CONV\_ADC pins. The U\_TEMPS bus is connected to a U\_TEMPS peripheral block, which includes U\_Temp1, U\_Temp2, U\_Temp3, and U\_Temp4 pins. The V\_OUT\_ENABLES bus is connected to a V\_OUT\_ENABLES peripheral block, which includes P18, 1, 2, 3, 3V3\_IN2, and GND\_3V3\_2 pins. The V\_OUT\_ENABLES block is also connected to a 3V3\_POW line and a GND\_3V3\_2 line.

[illegible]

Title Elkapod Power Supply: Controller Module		
Size A2	Number	Revision
Date: 10.18.2024	Sheet of C:\Users\Elkapod power supply control\Documents\SchDoc Piotr Sienkiewicz	

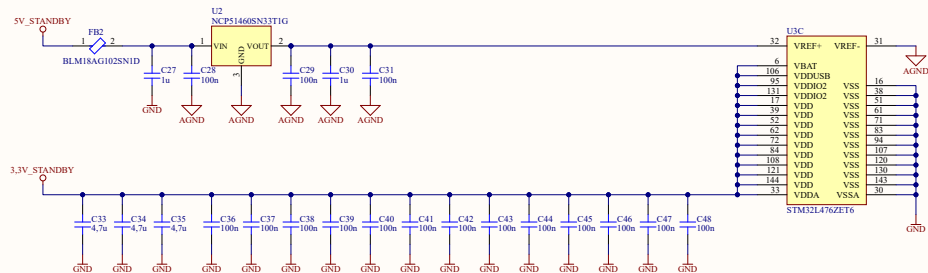


Servos\_controller[2C], Servos\_controller[2A] POWER\_GND POWER\_GND

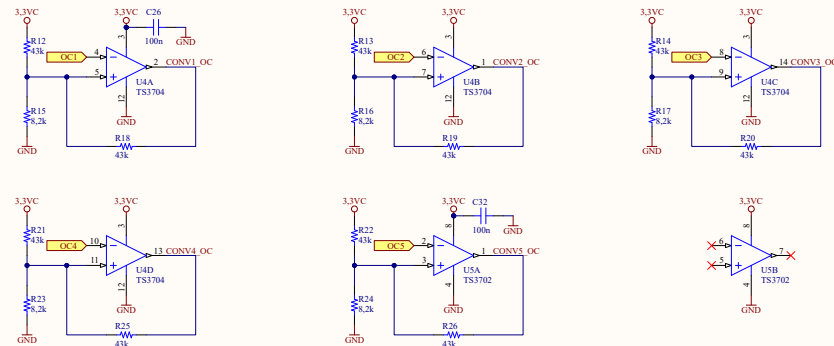


Title		
Elkapod Power Supply: Servo Controll Module		
Size	Number	Revision
A4		
Date:	10.18.2024	Sheet of
File:	C:\Users\...\Servo control module.SchDoc	Drawn By: Piotr Sienkiewicz

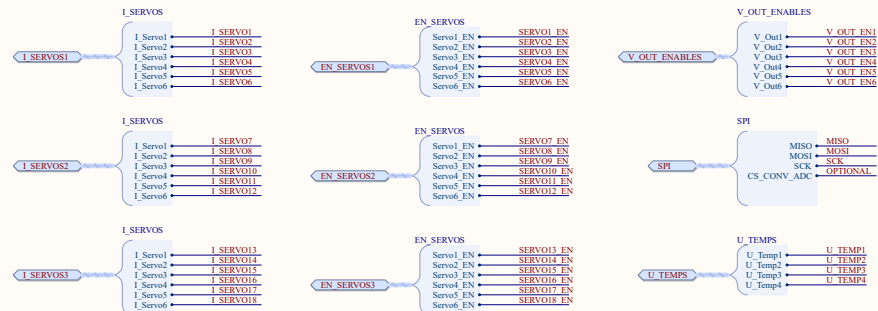
## MCU Power Supply



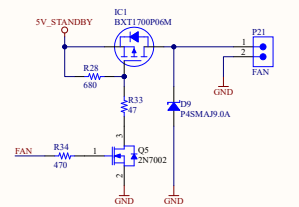
## Overcurrent Signals Comparators



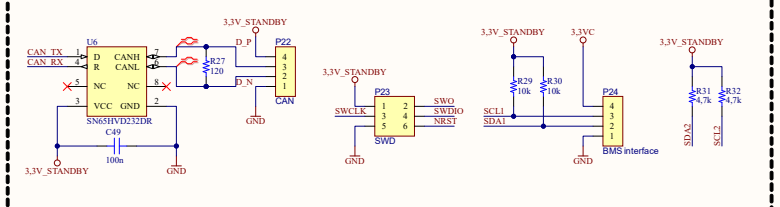
## Multi-Sheets Interfaces



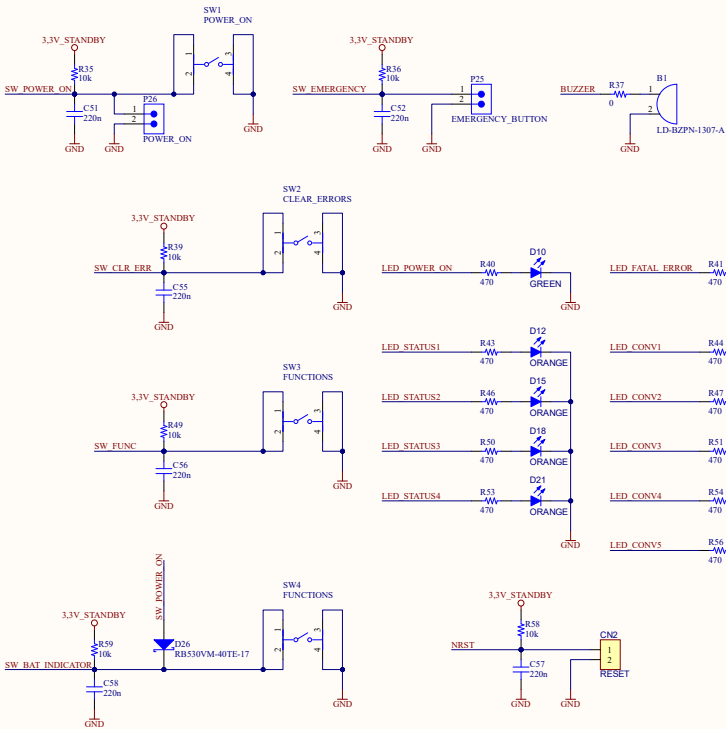
## Fan Power Switch



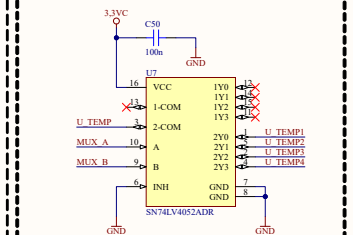
## Interfaces



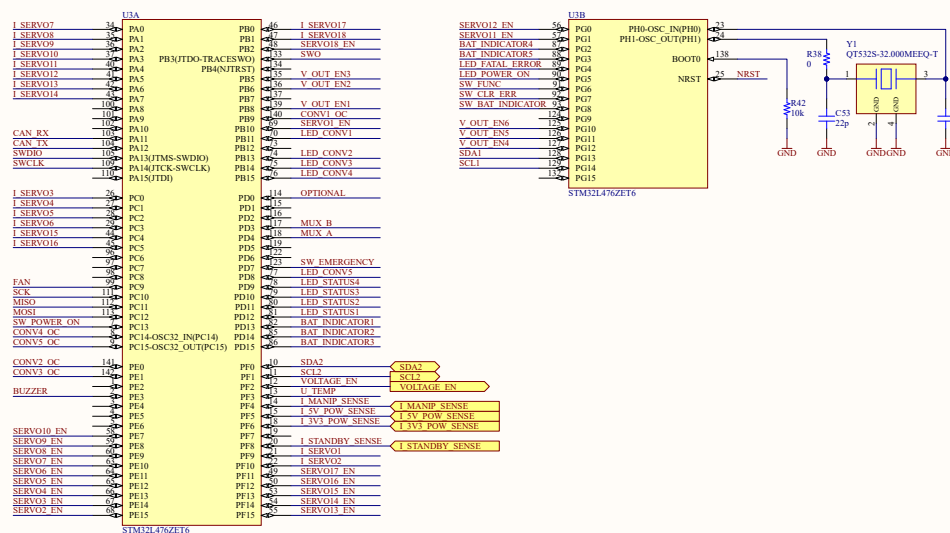
## User Interface (Switches and LEDs)



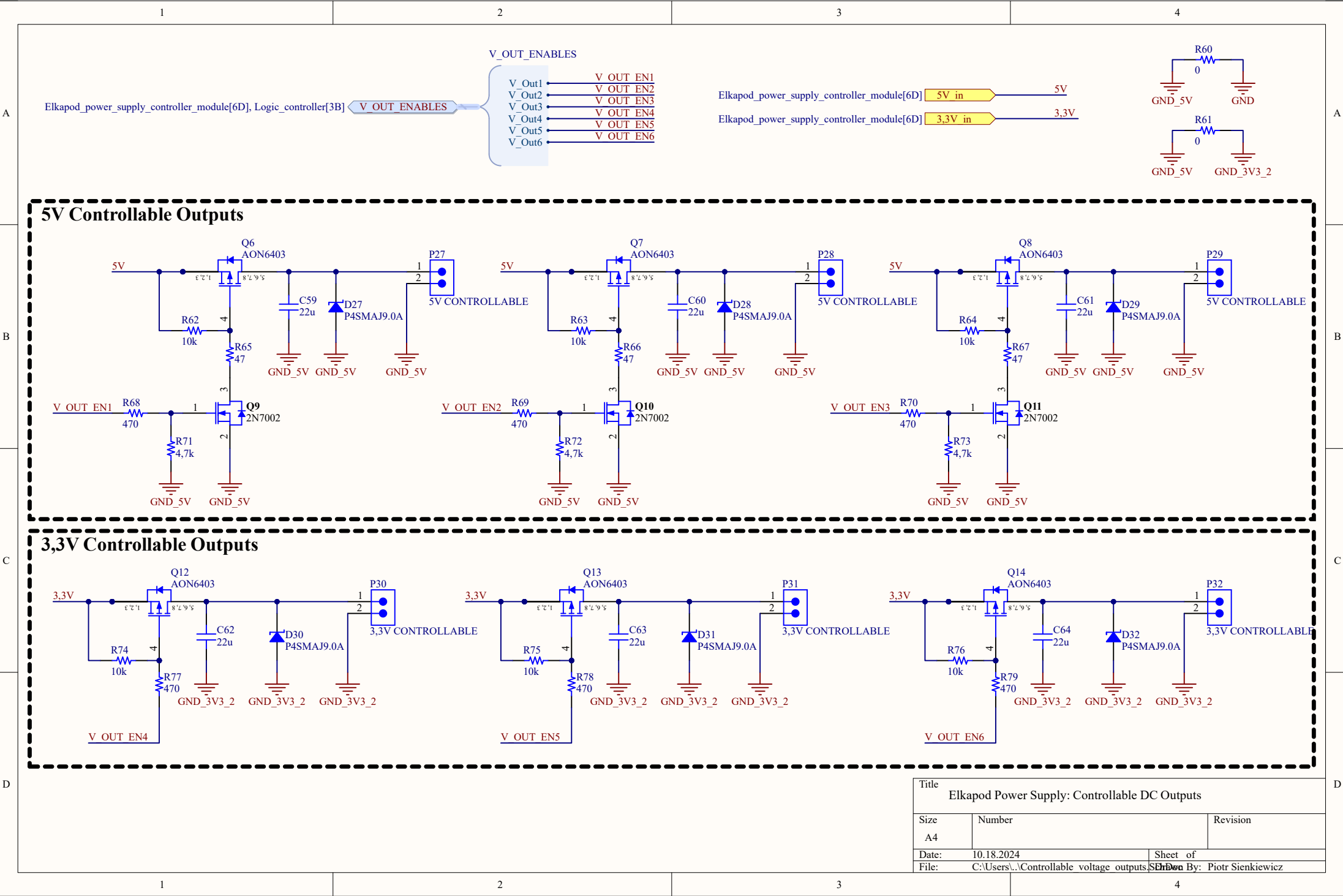
## Analog Temperatures Signals Multiplexer

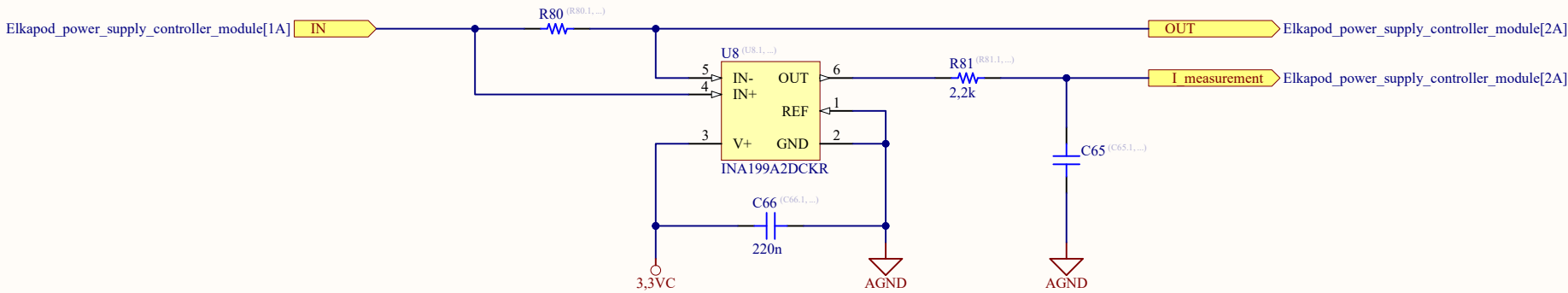


## MCU



Title			Elkapod Power Supply: Logic Controller		
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A2					
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Title		
Elkapod Power Supply: Current Measurement		
Size	Number	Revision
A4		
Date:	10.18.2024	Sheet of
File:	C:\Users\...\Current measurement circuit	Drawn By: Piotr Sienkiewicz