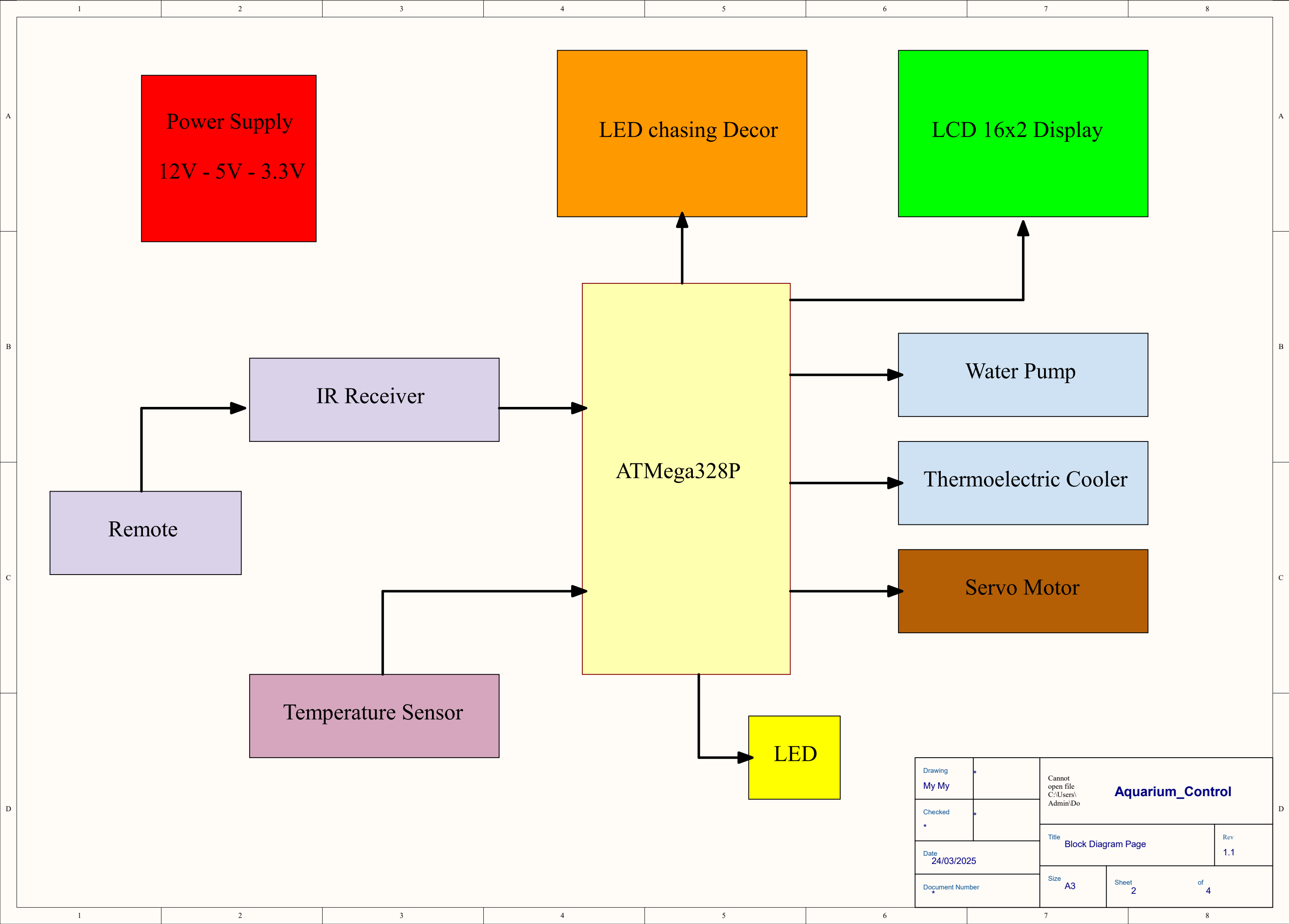


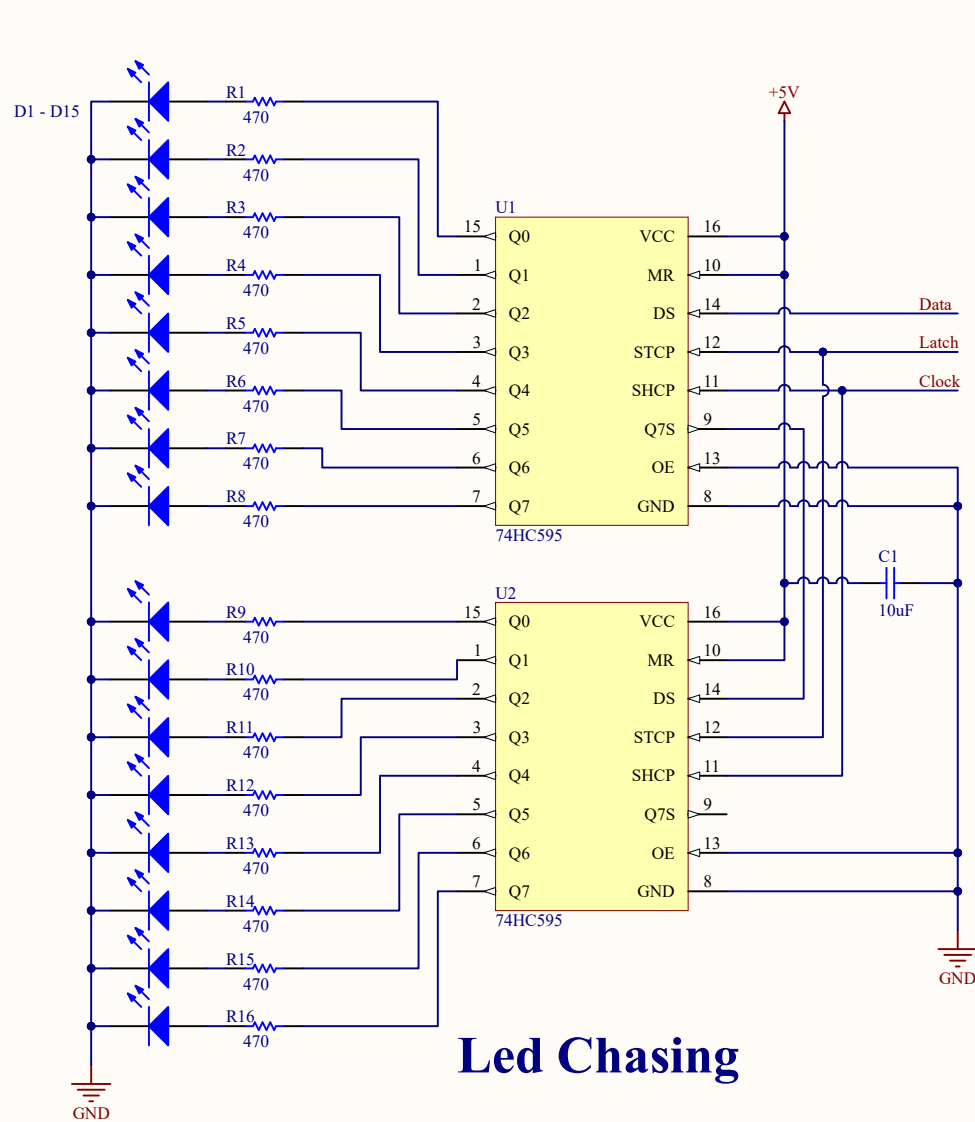
CONTENT INDEXING

- 01. Index
- 02. Block Diagram
- 03. Schematic
- 04. Power Supply

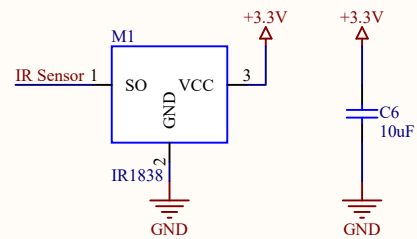
Drawing My My	*	Cannot open file C:\Users\Admin\Documents\Aquarium_Control	
Checked *	*		
Date 24/03/2025		Title Index Page	Rev 1.1
Document Number *		Size A3	Sheet 1 of 4



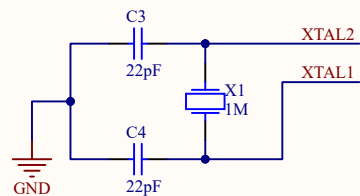
Drawing My My	*	Cannot open file C:\Users\Admin\Do		Aquarium_Control	
Checked *	*	Title Block Diagram Page			Rev 1.1
Date 24/03/2025		Size A3			
Document Number *		Sheet 2		of 4	



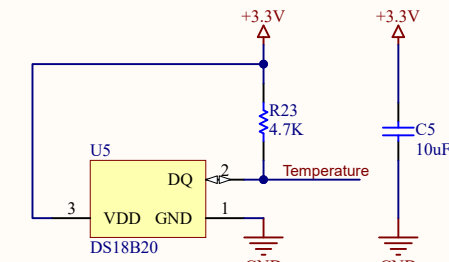
Led Chasing



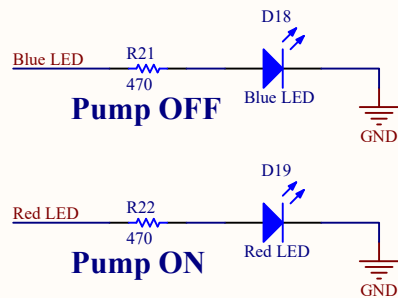
IR Receiver



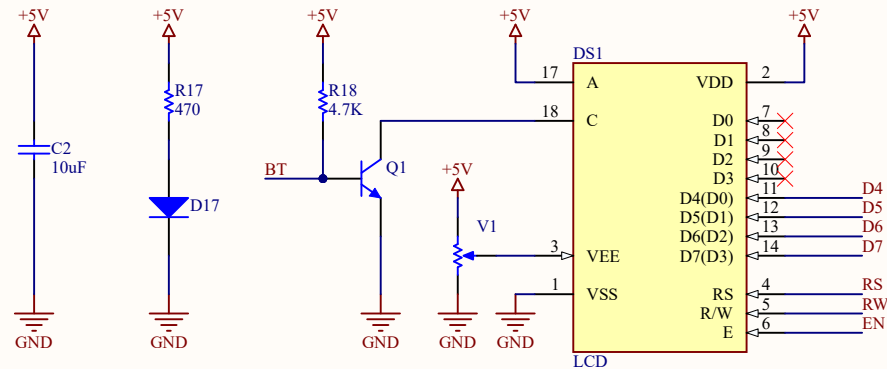
Resonator



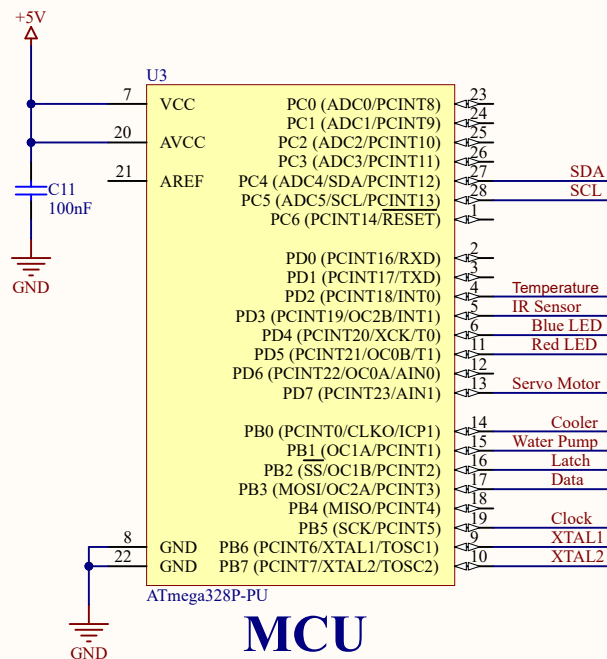
Temperature Sensor



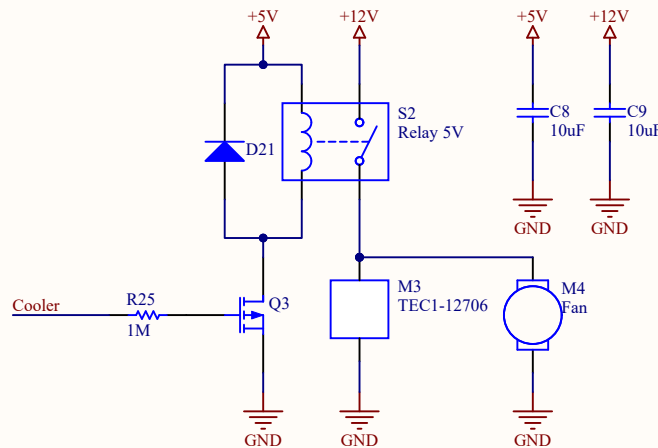
Status Led



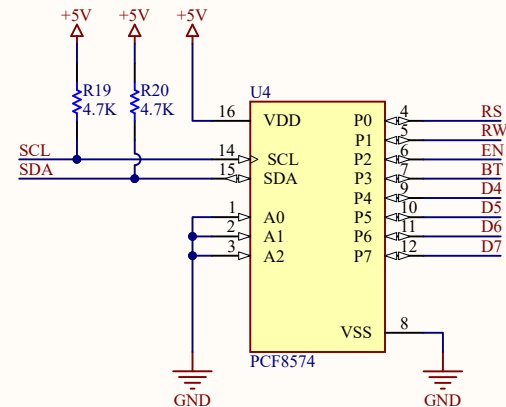
LCD1602



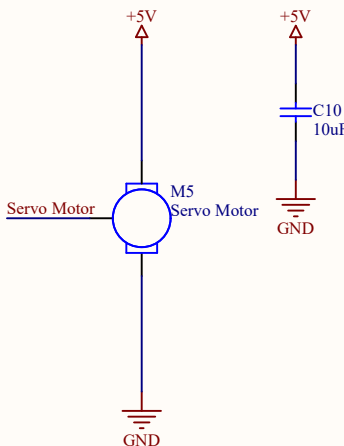
MCU



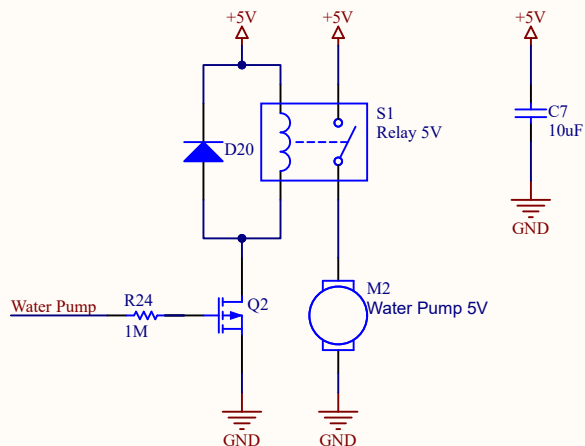
Thermoelectric Cooler



I2C Module



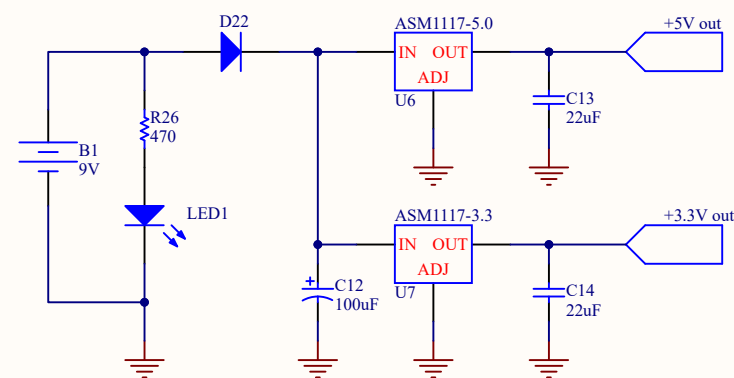
Servo Motor



Water Pump

Drawing	*	Cannot open file C:\Users\Admin\Do	
My My	*	Aquarium_Control	
Checked	*	Title Schematic Page	
Date	24/03/2025	Size A3	Rev 1.1
Document Number	*	Sheet 3	of 4

Dual Power Supply 3.3V - 5V



9V (Battery)

Fixed Linear Regulator

5V

Relay 5V

3.3V

Temperature
Sensor

IR
Receiver

9V (Adapter)

Fixed Linear Regulator

5V

Pump

MCU

I2C Module

LCD
Backlight

12V (SMPS)

Cooler

Drawing My My	*	Cannot open file C:\Users\Admin\Do		Aquarium_Control	
Checked *	*	Title PowerSupply		Rev *	
Date 24/03/2025					
Document Number *	Size A3	Sheet 4	of 4		