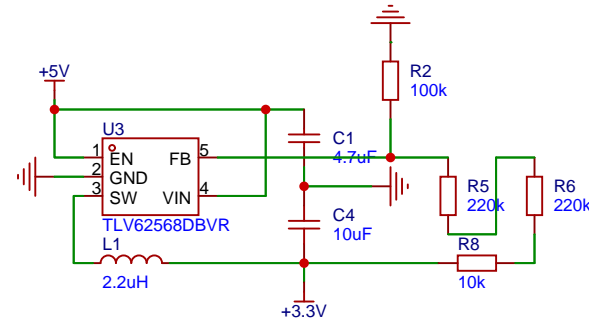
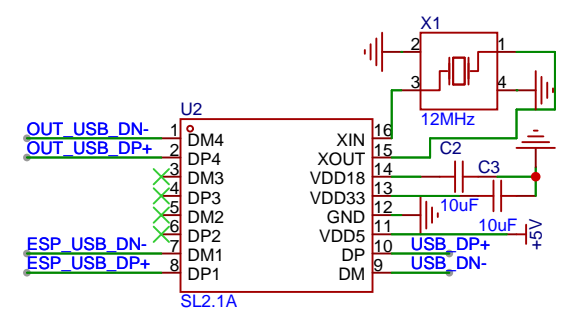


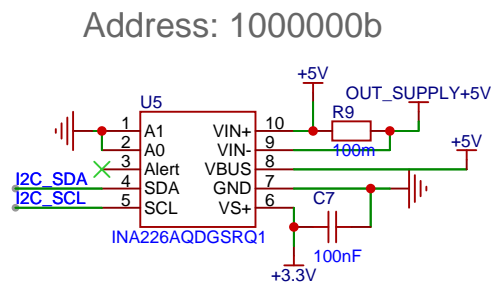
UPSTREAM-USB



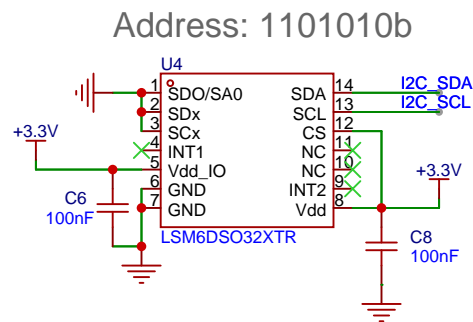
POWER



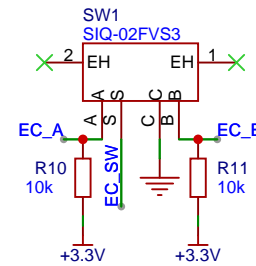
USB-HUB



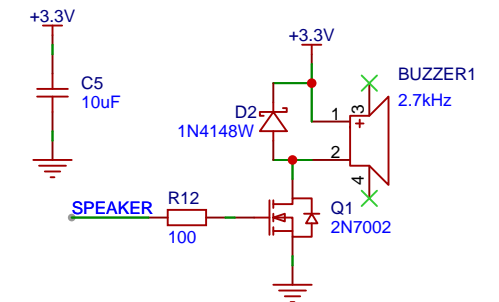
POWER-SENSING



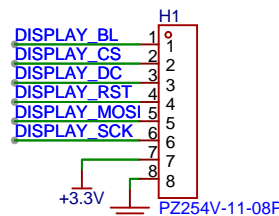
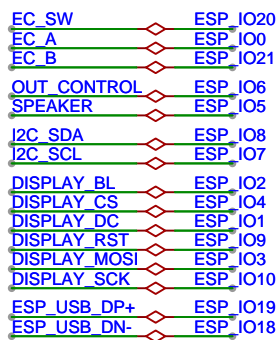
GYRO



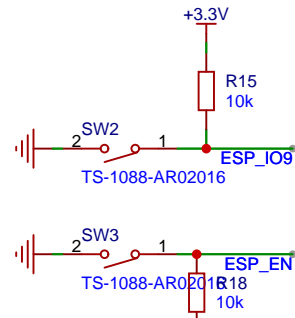
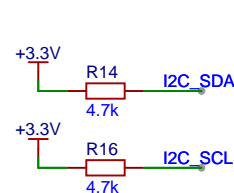
WHEEL-ENCODER



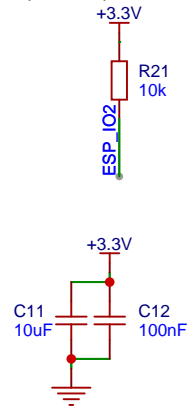
BUZZER



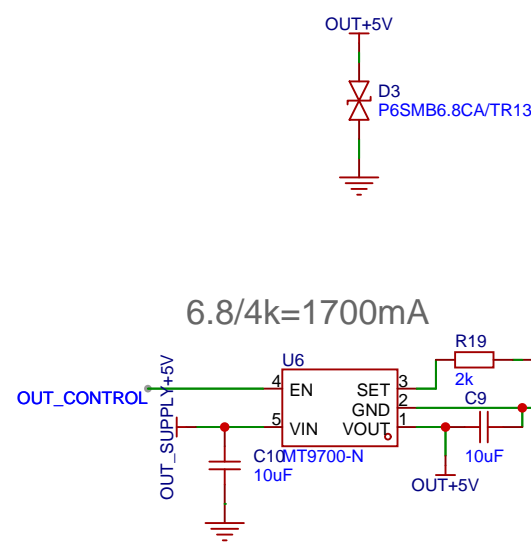
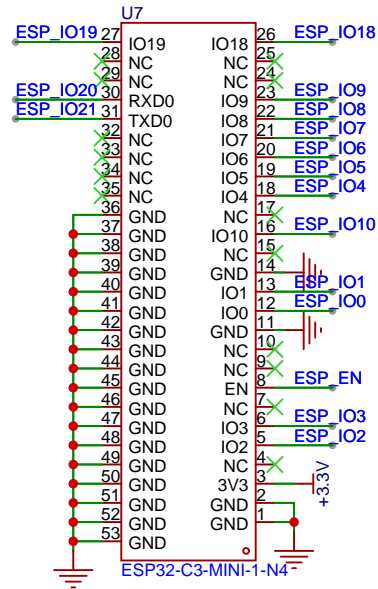
DISPLAY



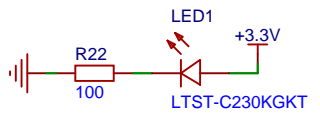
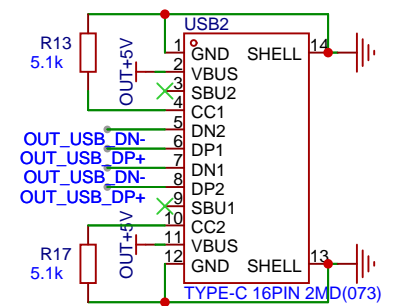
Strapping: IO8, IO2, Pullup 10k



MCU



DOWNSTREAM-USB



Schematic	Schematic1			Updated	2025-11-24
				Created	2025-11-18
Page	P1				
Design	Finn Sheng	Lumen			
Review	Finn Sheng				
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https://github.com/robcholz/Lumen		V2.0	A3		