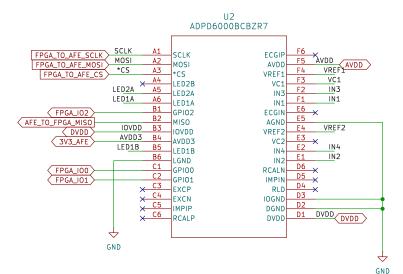
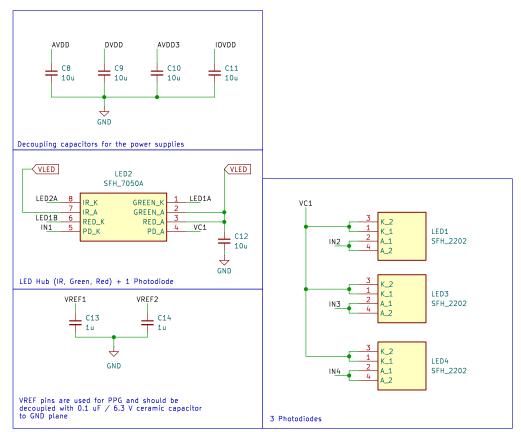


LEDxA and LEDxB are the LEDs cathodes pin. We can drive up to 2 LEDs simultaneously (one for each driver pair).

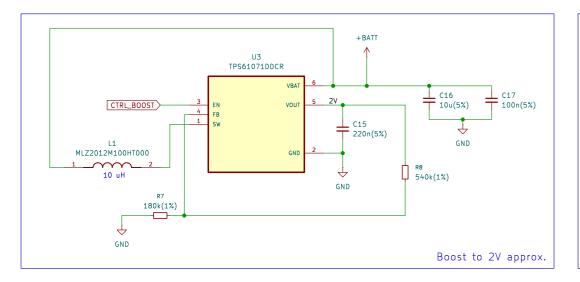


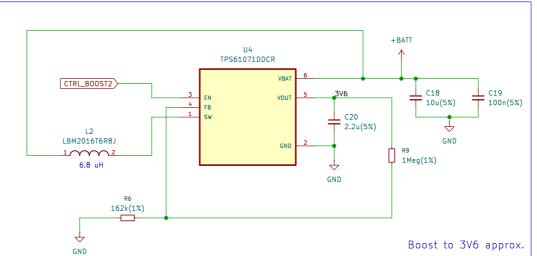
The critical part of the PCB design for the AFE is how to handle IN1-IN4 nodes. This is where the photodiode output is going to enter the AFE. Therefore, the traces have to be carefully placed and also shortened, since parasitic coupling is going to add noise. Also, keep everything away from digital signals. Guard using ground plan

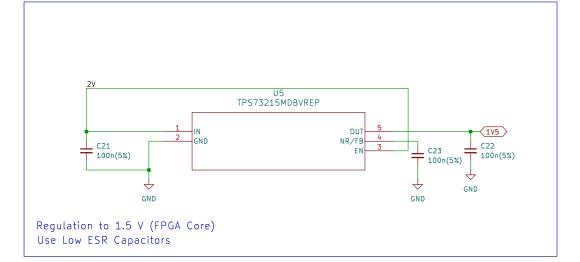


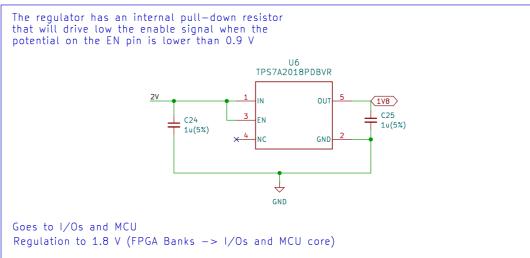
VC1 and VC2 are output voltage sources for photodiode common cathode bias.

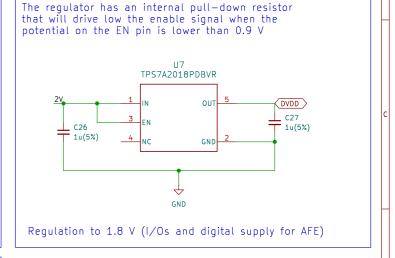
Project:	WEARAB	LE			
Equipo G1 — AFE Schematic					
, ,					
Sheet: /AFE/ File: afe.kicad_sch					
Title:					
Size: A4	Date: 12/	Date: 12/08/2025 Rev: 3			
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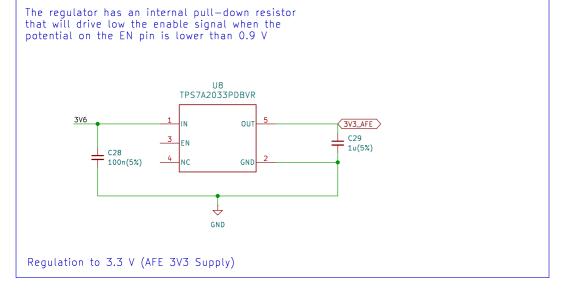


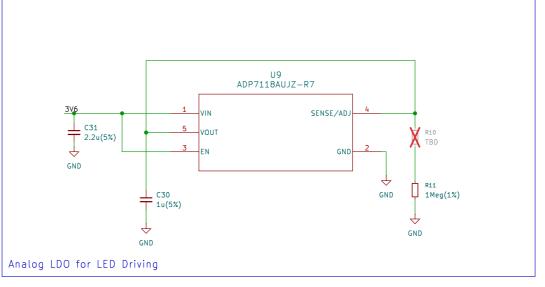


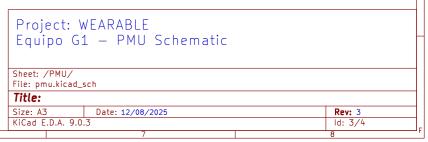


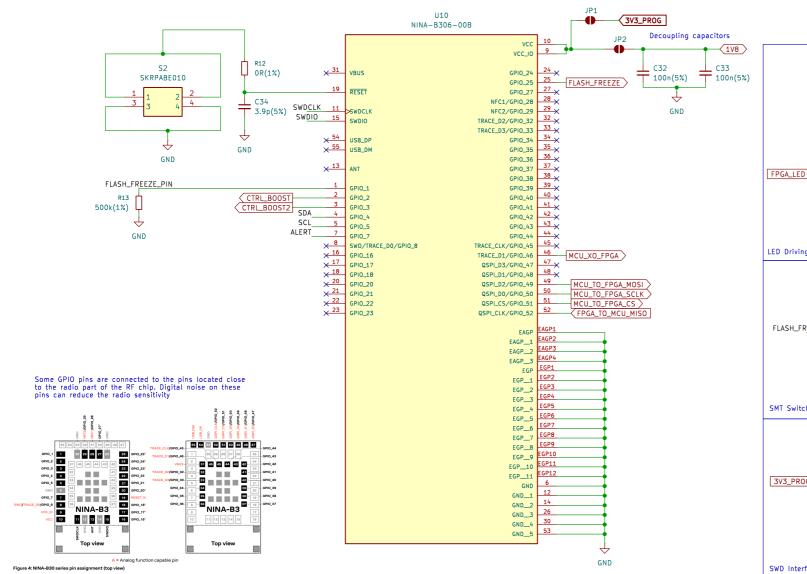


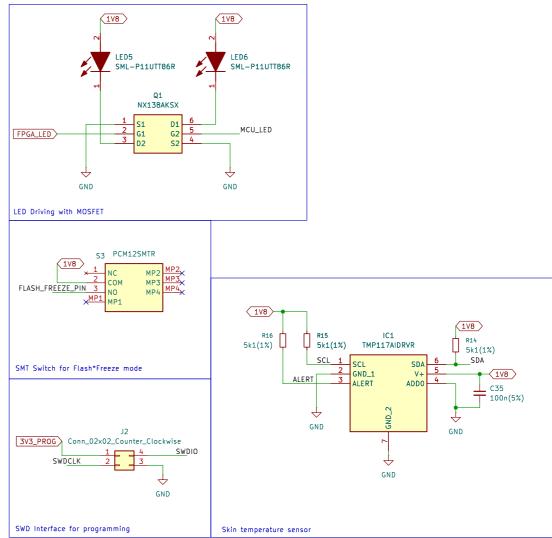












GPIO 16-18, 20-24, 28 & 29, 35-41 are RADIO SENSITIVE

Project: WEARABLE
Equipo G1 — MCU Schematic

Sheet: /MCU/
File: mcu.kicad_sch

Title:

Size: A3 Date: 13/08/2025 Rev: 3

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