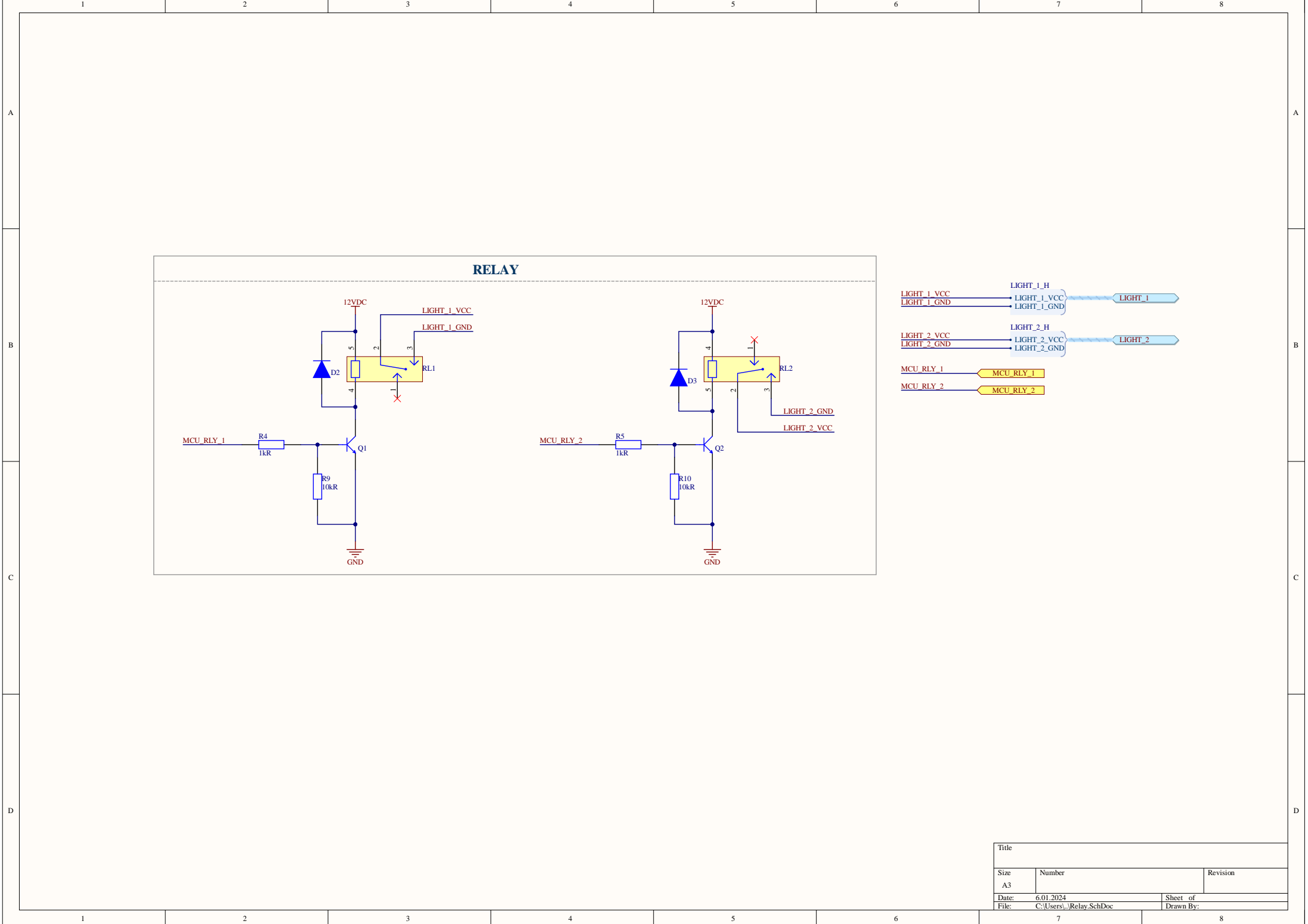


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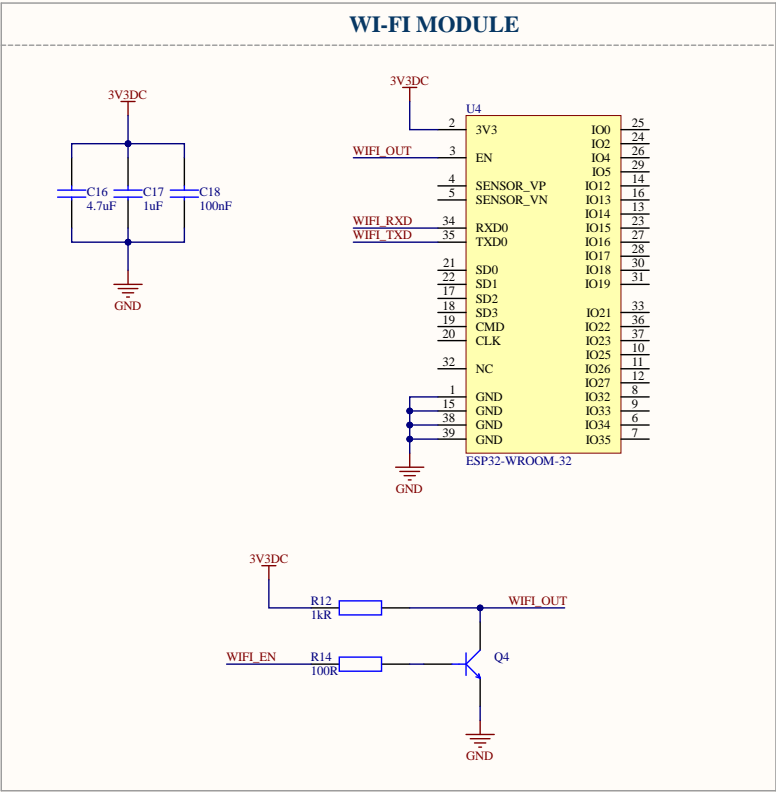
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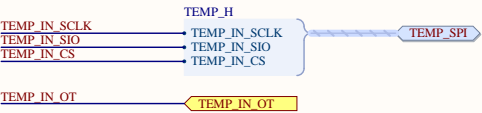
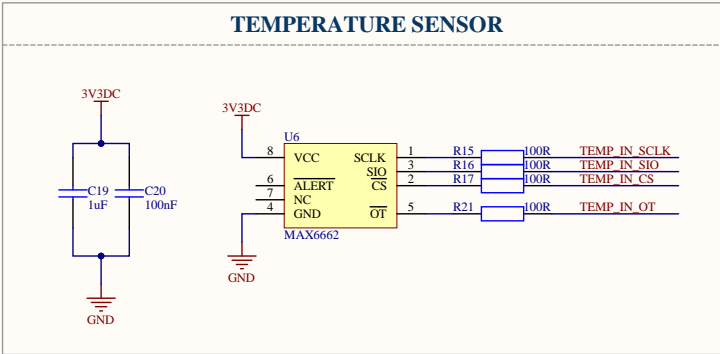
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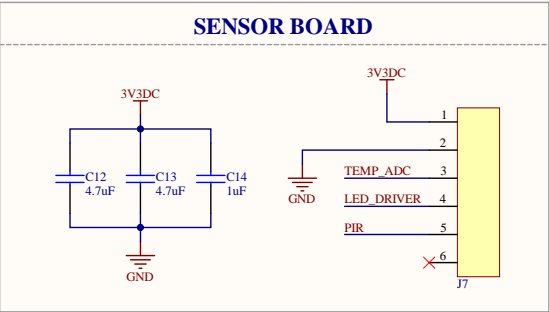
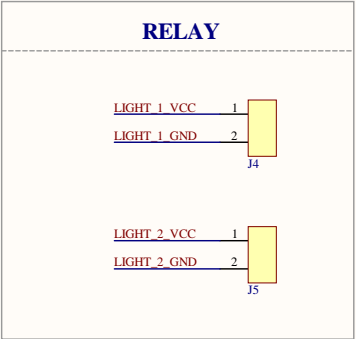
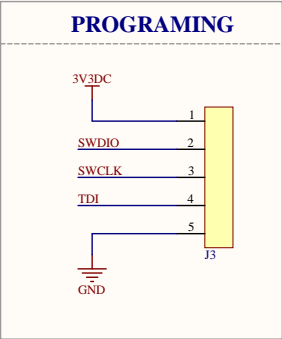
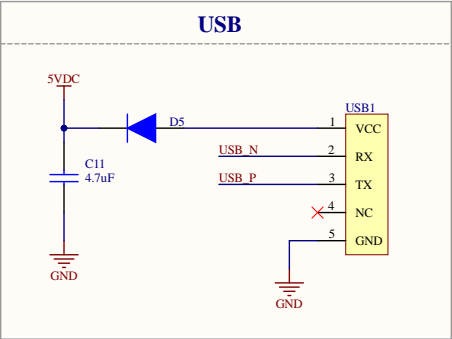
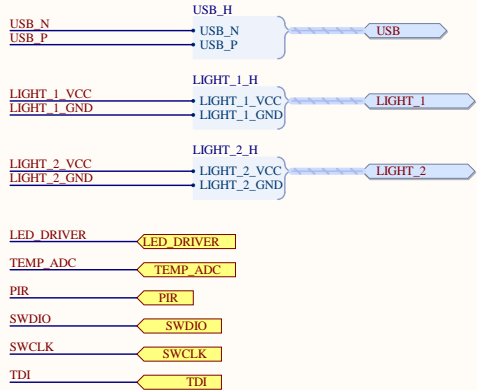
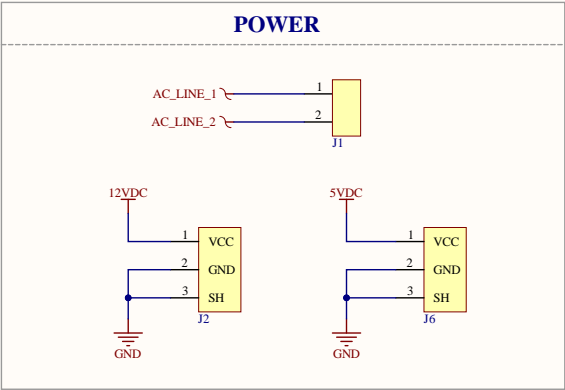
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[illegible]

3V3DC_S 1

GND_S 2

TEMPERATURE_ADC 3

LED_S 4

PIRDETECT 5

X 6

J8 8

3V3DC_S

C39 4.7uF

C40 4.7uF

C41 1uF

GND_S

TEMPERATURE SENSOR AND FILTER

The diagram illustrates a temperature sensor circuit. It begins with a 3V3DC_S supply connected to a 100nF capacitor (C45) and a 10k resistor (R37). The other end of R37 is connected to the non-inverting input (pin 3) of an operational amplifier (U9). The op-amp is configured as a voltage follower, with its output (pin 1) connected back to its inverting input (pin 4). The output of the op-amp is connected to a 1k resistor (R35), which is then connected to a parallel combination of two 220k resistors, R34 and R36. A 4.7uF capacitor (C46) is connected in parallel with this resistor network. The final output is connected to a 1uF capacitor (C47), which is labeled 'TEMPERATURE_ADC'. All components are connected to a common GND_S ground.

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