
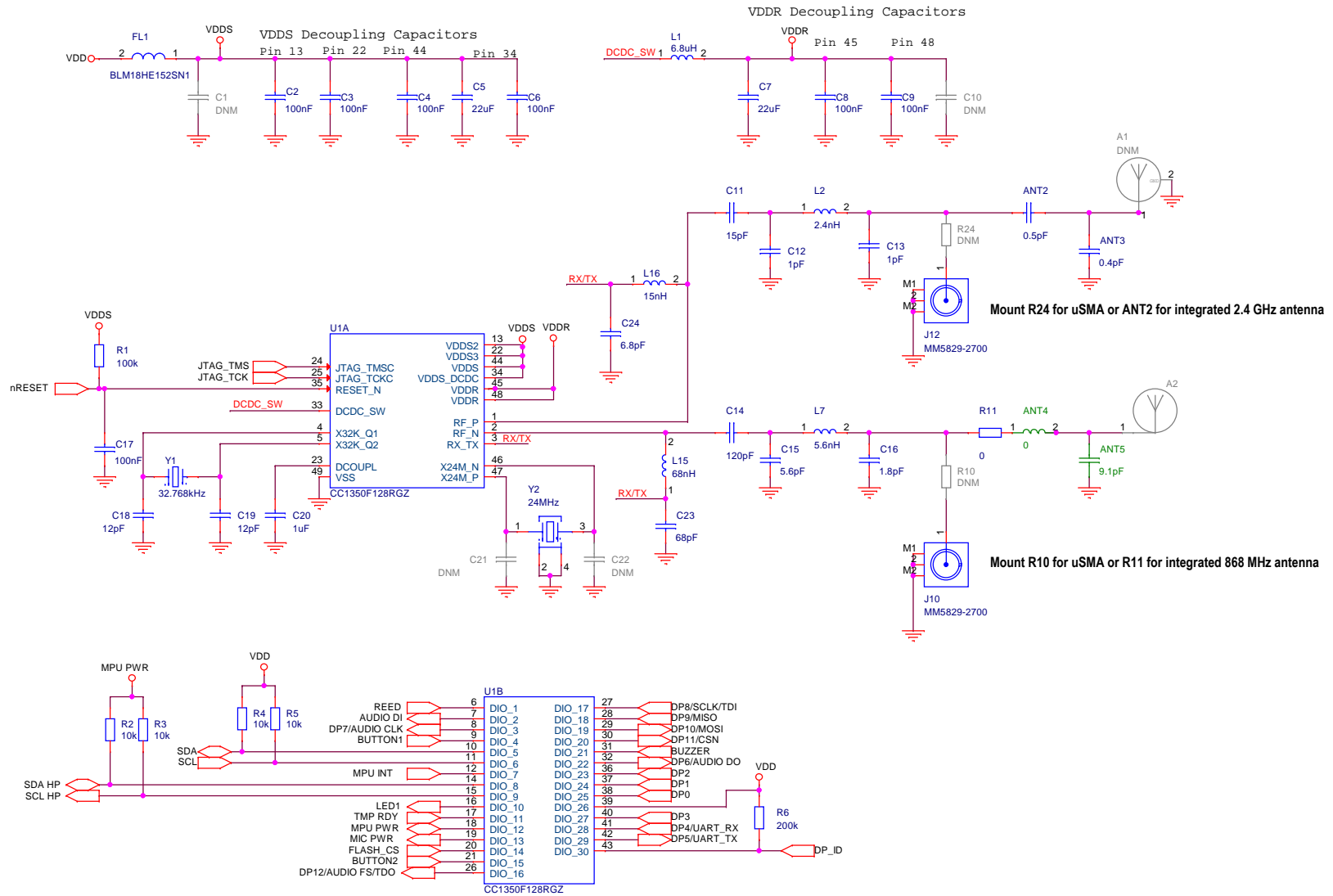
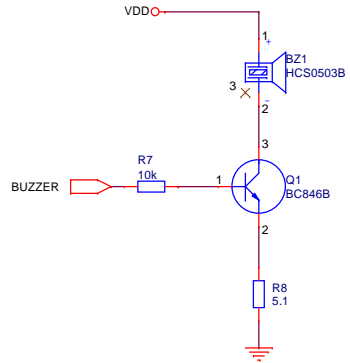


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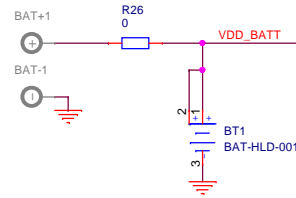


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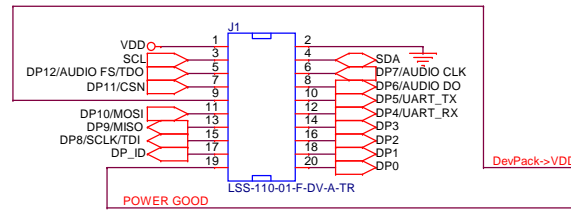
Buzzer



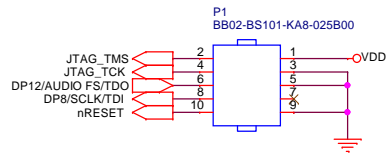
Battery interface



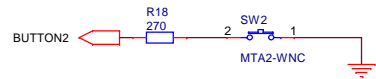
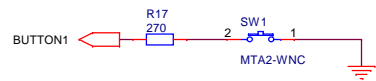
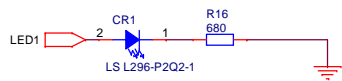
SKIN Connector



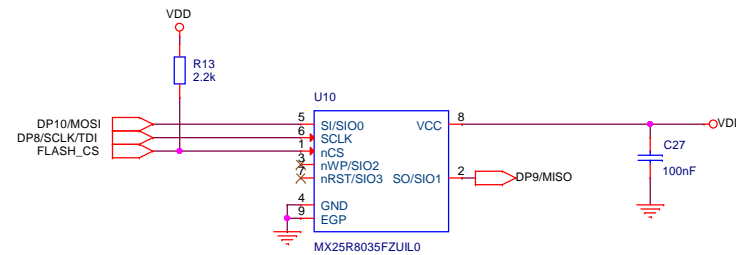
Debug / JTAG interface



LEDs and Buttons




External Storage



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Reed Relay



VDD

1

SW3

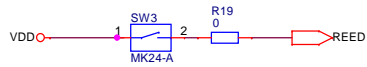
MK24-A

2

R19

0

REED



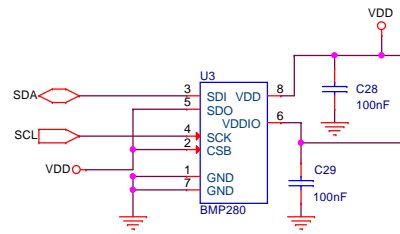
Pressure Sensor

The diagram shows the wiring for a BMP280 pressure sensor (U3). The sensor's pins are connected as follows:

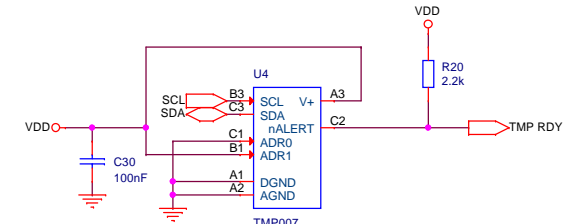
- Pin 1:** GND
- Pin 2:** GND
- Pin 3:** SDA
- Pin 4:** SCL
- Pin 5:** VDDIO
- Pin 6:** CSB
- Pin 7:** VDD
- Pin 8:** VDD

External components include:

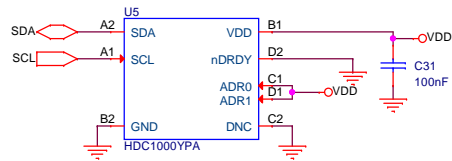
- C29:** A 100nF capacitor connected between VDD and ground.
- C28:** A 100nF capacitor connected between VDDIO and ground.



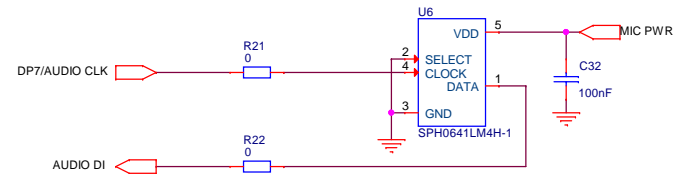
Infrared Thermopile Sensor



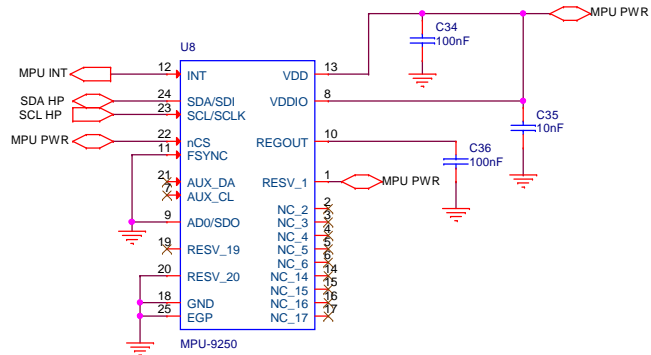
Humidity



Microphone



Gyroscope and accelerometer

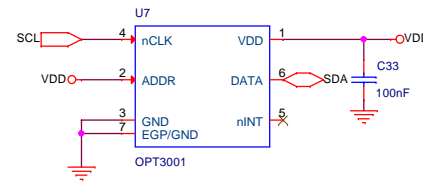


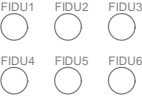
Light Sensor


The diagram shows the connection of an OPT3001 light sensor IC (U7) to an external circuit. The IC is a square component with pins labeled nCLK, ADDR, GND EGP/GND, nINT, VDD, and DATA. The connections are as follows:

- nCLK (Pin 4):** Connected to an SCL signal line.
- ADDR (Pin 2):** Connected to a VDD supply.
- GND EGP/GND (Pin 3 and 7):** Connected to a common ground.
- nINT (Pin 5):** Connected to a ground symbol.
- VDD (Pin 1):** Connected to a VDD supply.
- DATA (Pin 6):** Connected to an SDA signal line.

A decoupling capacitor, labeled C33 and 100nF, is connected between the VDD supply and ground.





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