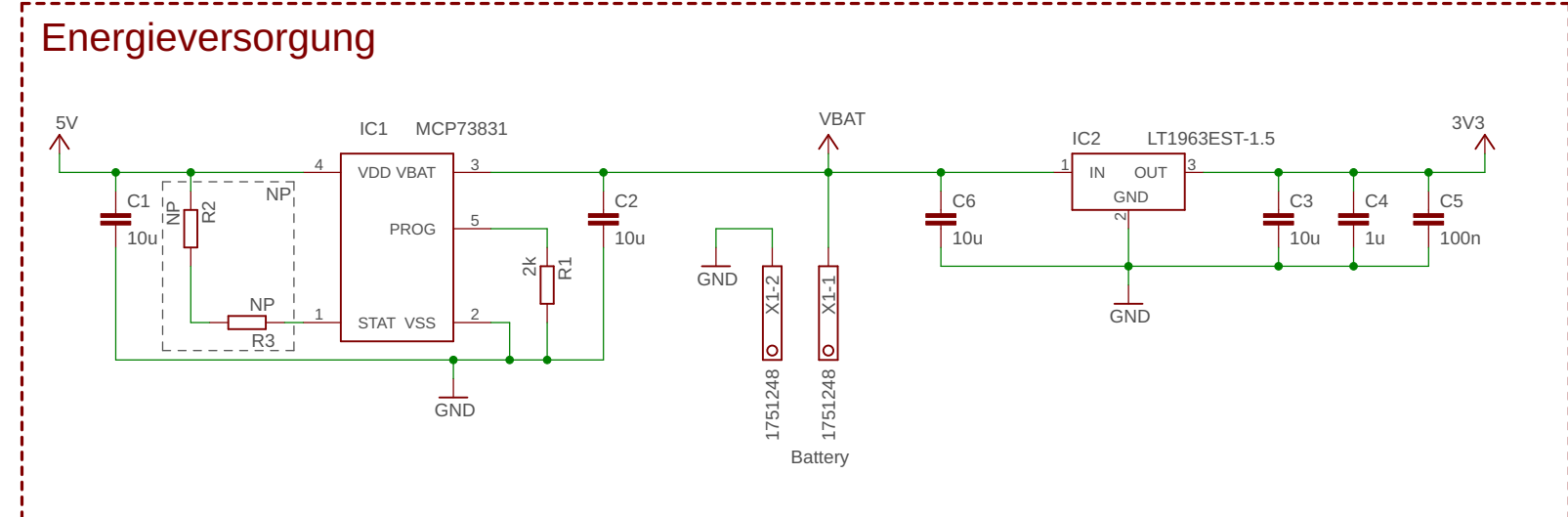


USB-Type-C Stecker

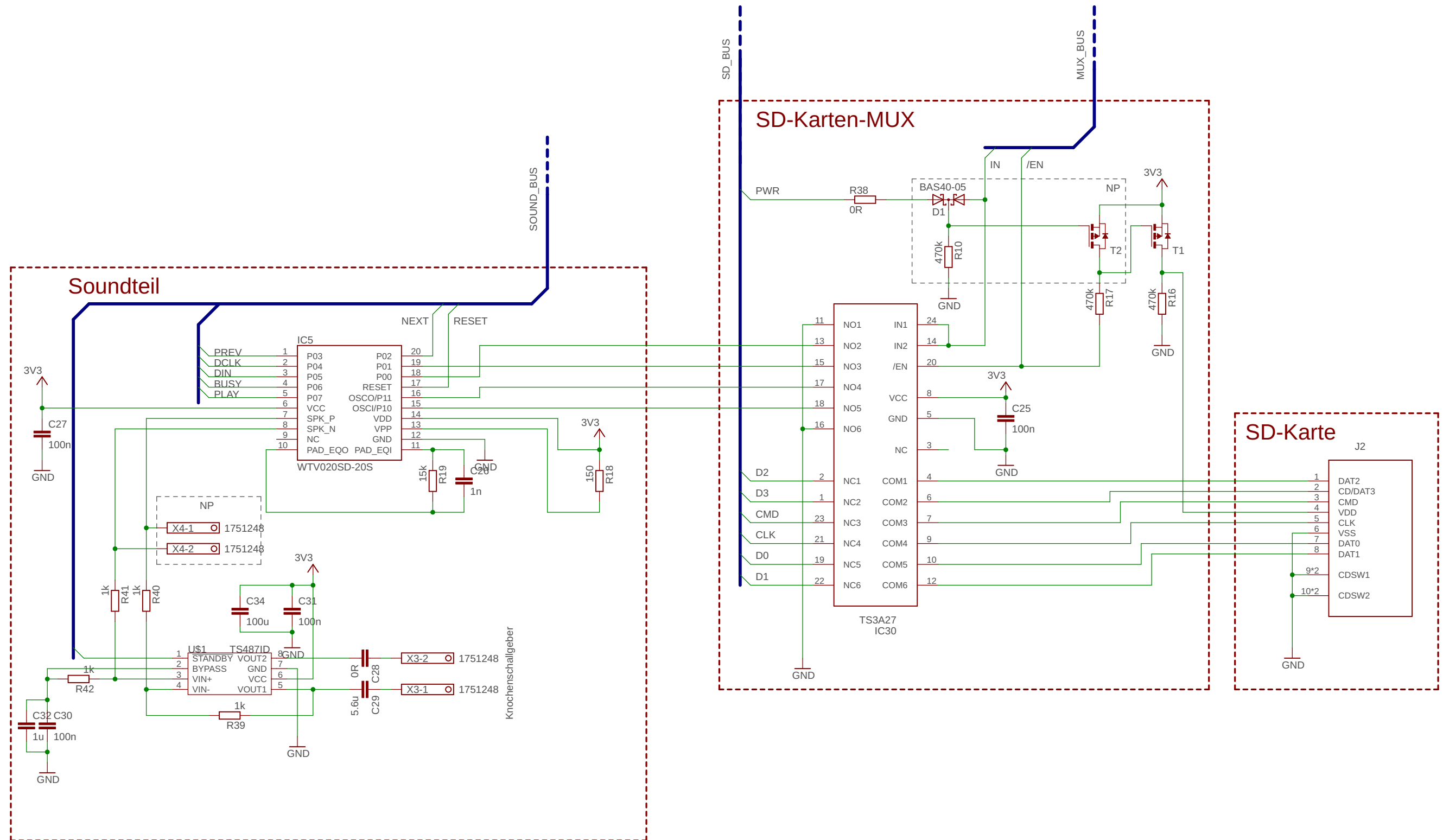


USB-Verbindung

The diagram illustrates the USB connection for the VUB300 IC. The IC is connected to a USB bus (D+, D-, GND) and a 3V3 power supply. The IC pins are labeled with functions: SD_D0, SD_D1, SD_D2, SD_D3, SD_CLK, SD_CMD, SD_WP, SD_NCD, USB+, USB-, RBIAS, XTAL1, XTAL2, VDDA33, VDD18PLL, LED1, CRD_PWR, N_RESET, and NC1-NC13. The diagram shows the following components and connections:

- Power Supply:** 3V3 supply connected to the IC's VDDA33 and VDD18PLL pins. A 100nF capacitor (C15) is connected to the 3V3 supply.
- USB Connection:** The IC's USB+ and USB- pins are connected to the USB bus. A 12k resistor (R6) is connected to the USB- pin to ground.
- Crystal and Timing:** A crystal (Y1) is connected to the IC's XTAL1 and XTAL2 pins. A 1M resistor (R7) is connected to the crystal's other end to ground. A 100nF capacitor (C19) is connected to the crystal's other end to ground.
- Resistors:** Several resistors are used for pull-up and pull-down: R1 (1k) to 3V3, R2 (1k) to GND, R3 (1k) to 3V3, R4 (100k) to 3V3, R5 (1k) to 3V3, R6 (12k) to GND, R7 (1M) to GND, R8 (1k) to 3V3, R9 (1k) to GND, R10 (1k) to 3V3, R11 (1k) to GND, R12 (1k) to 3V3, R13 (1k) to GND, R14 (1k) to 3V3, R15 (1k) to GND.
- Capacitors:** Various capacitors are used for decoupling and timing: C1 (1nF), C2 (100nF), C3 (1nF), C4 (100nF), C5 (1nF), C6 (100nF), C7 (1nF), C8 (100nF), C9 (1nF), C10 (100nF), C11 (1nF), C12 (100nF), C13 (1nF), C14 (100nF), C15 (100nF), C16 (1nF), C17 (100nF), C18 (1nF), C19 (100nF), C20 (1nF), C21 (100nF).

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Soundsystem inkl. Speicher

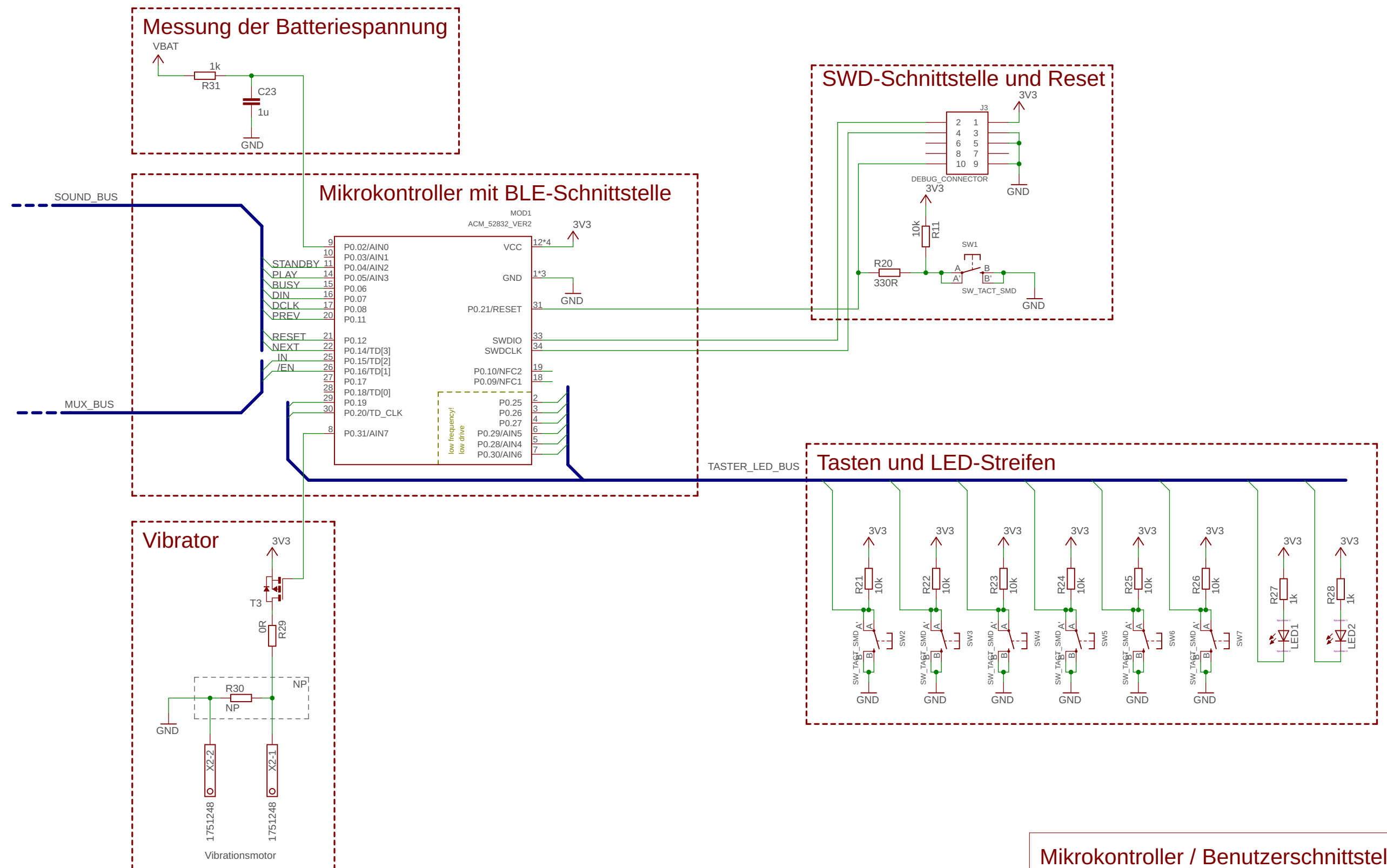
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