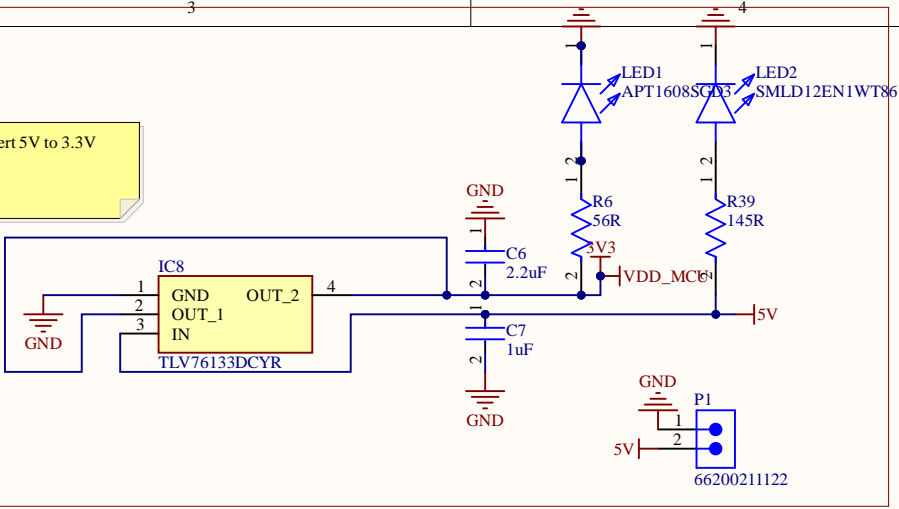
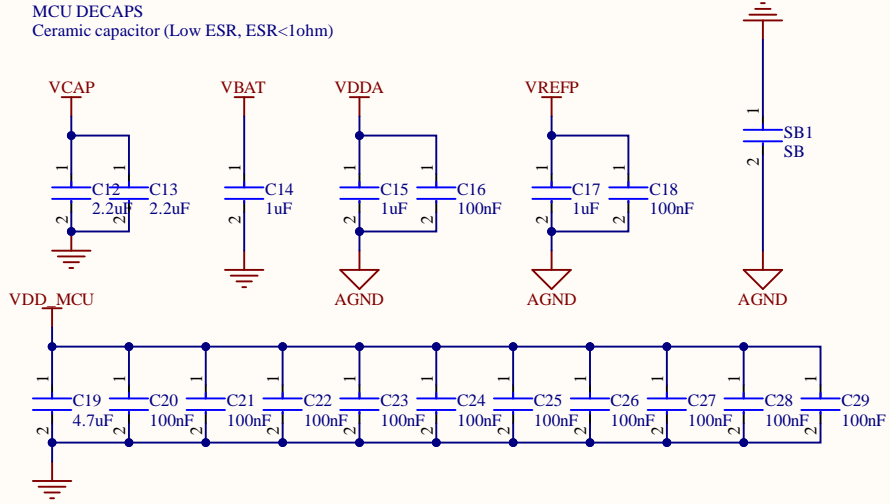


To Convert 5V to 3.3V



MCU DECAPS  
Ceramic capacitor (Low ESR, ESR<1ohm)



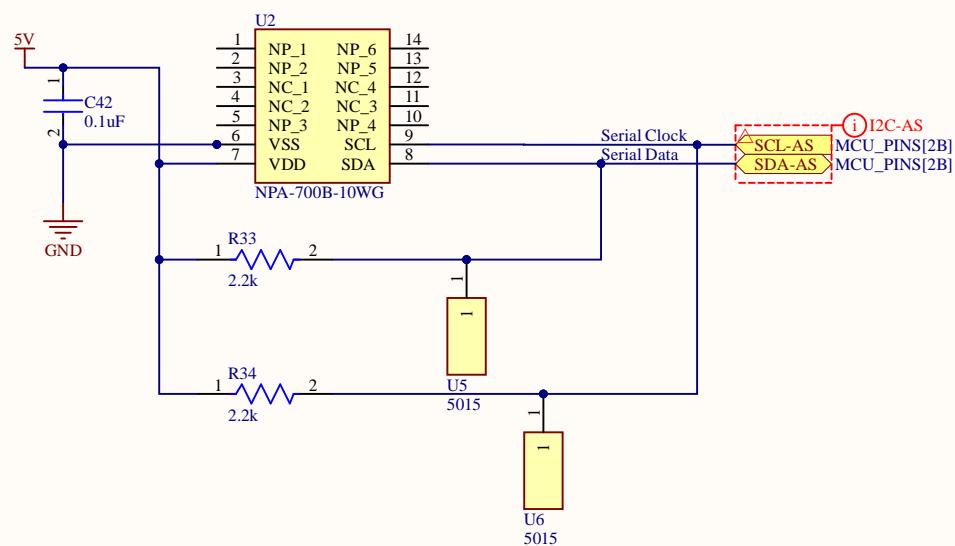
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File:	C:\Users\...\MCU_Power.SchDoc	Drawn By:

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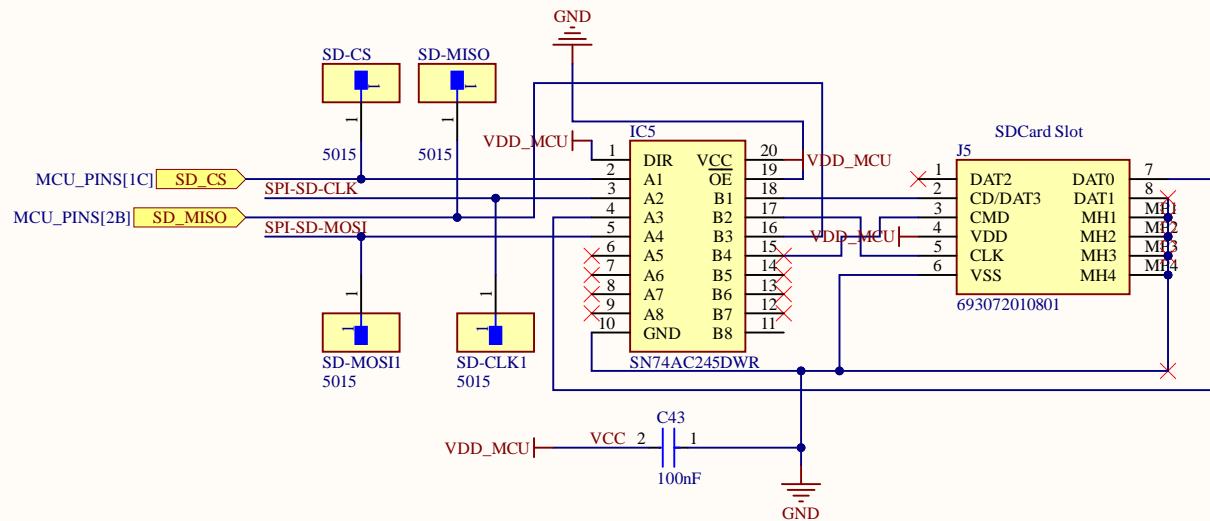


NPA-700B-015A

- Range pressure sensor: 24.9 mbar to 1.03 bar (14 bits)
- Range temperature sensor: -50 to 150 degrees Celsius (11 bits)
- Capacitor between 5V supply and GND used to filter AC component (ripple)
- 2.2 kOhm resistors between I2C bus and 5V pin are pull-up resistors for the I2C bus
- Slave address of I2C bus: 0x28



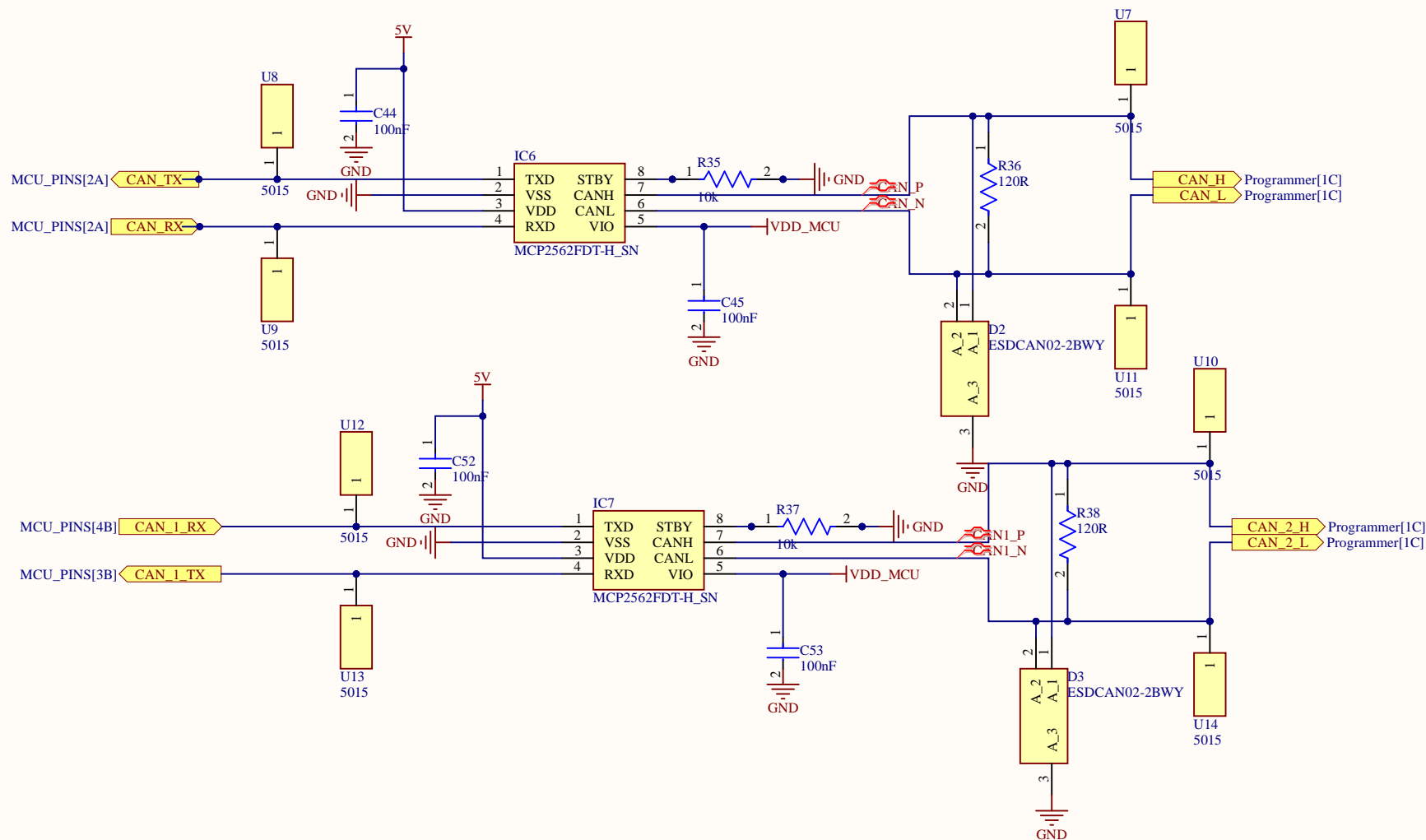
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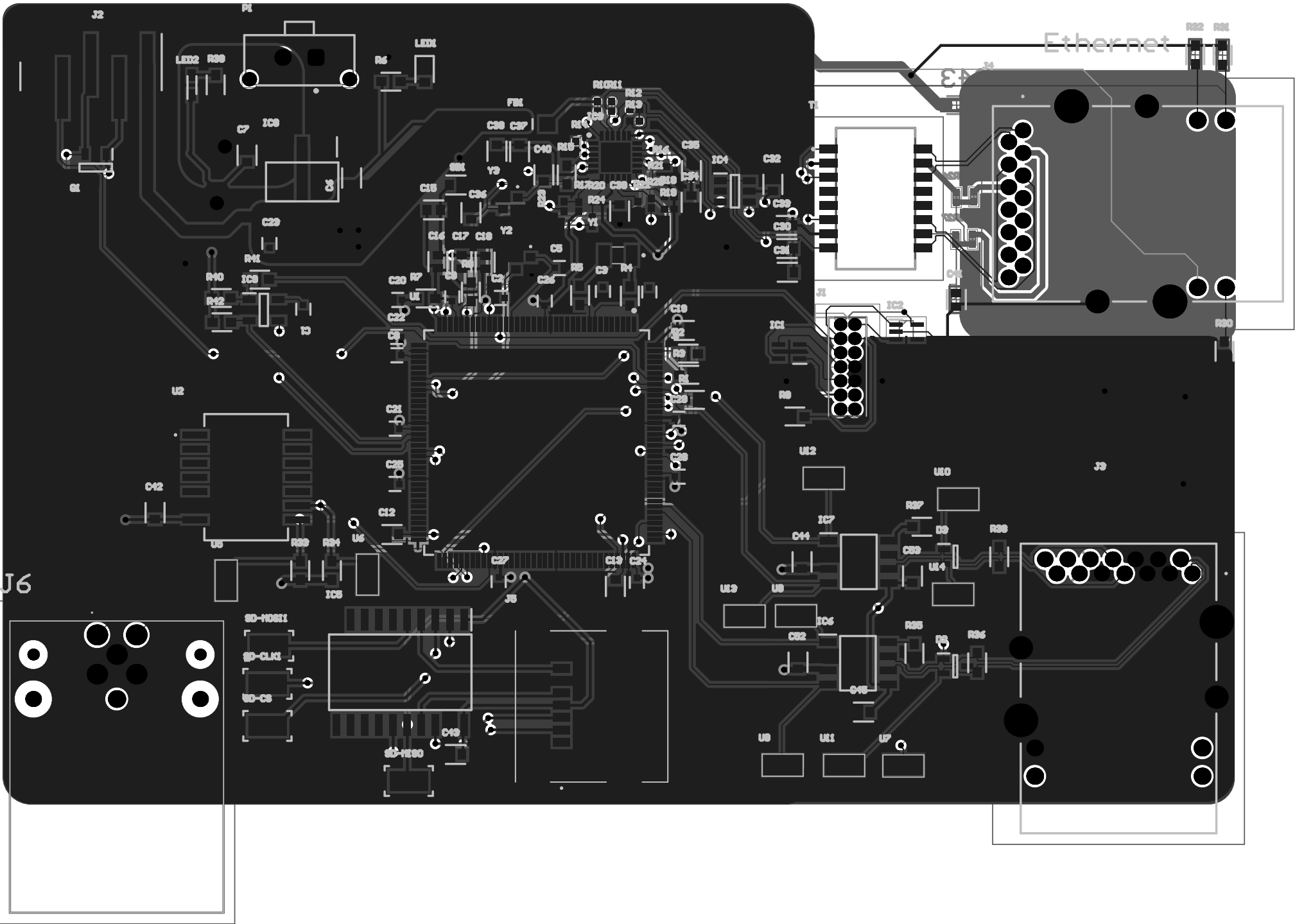
#### SD Socket Buffer

- SPI is used as interface between the microcontroller and the SD card.
- Normal operating voltage of an SD-card is 3.3V
- The buffer isolates the SPI terminals of the microcontroller from the ones of the SD card
- The transition delay of the buffer should not be too long (longer than one clock period)
- OE should be low in order to pass data through the buffer
- When DIR is high, the direction of signals is from A to B
- 100 nF capacitor on VCC is used to filter high frequency noise and stabilise the power input

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Size	Number	Revision
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Date:	11-27-2023	Sheet of
File:	C:\Users\...\CANFD.SchDoc	Drawn By:





# Board Stack Report