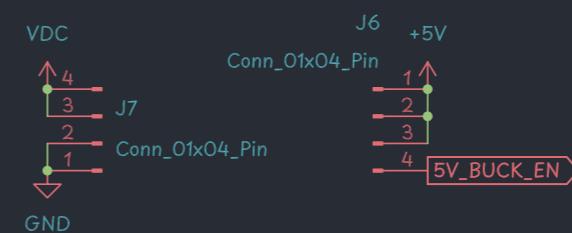
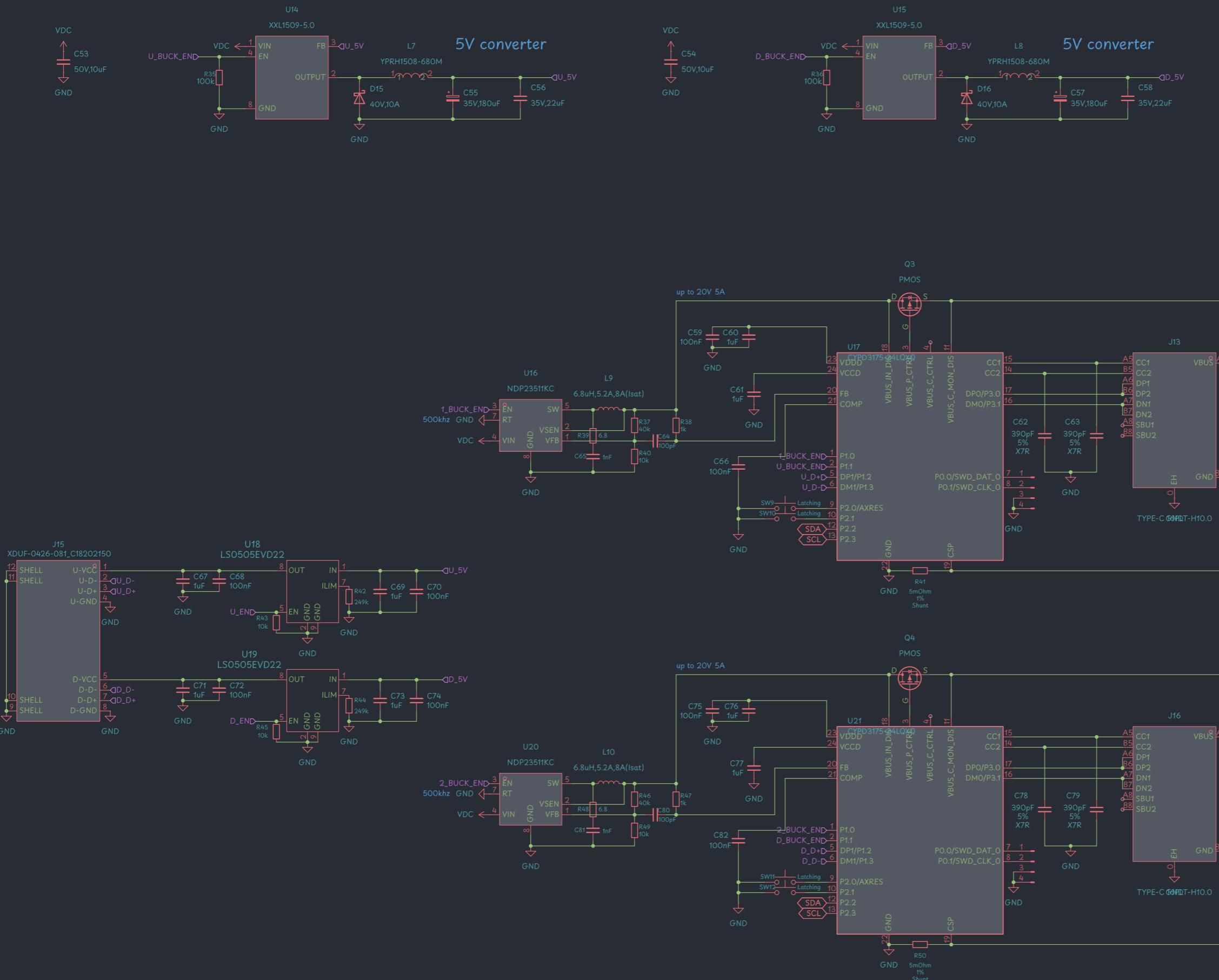


5V converter

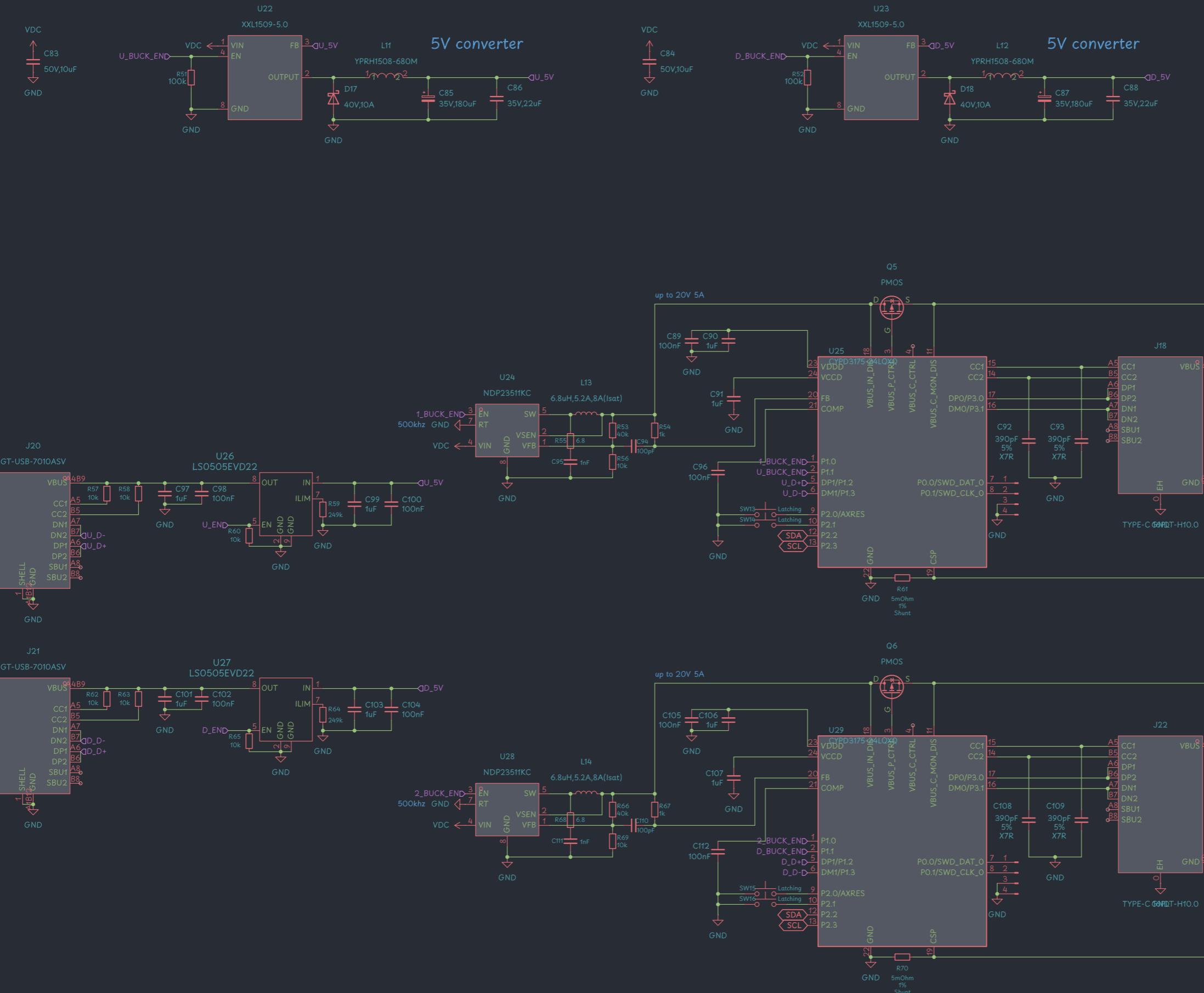






It's crucial how this is connected.  
For accurate low-side sensing:

- The main VBUS supply current to the Type-C port should return to the power supply ground through this shunt resistor.
- The CSP pin senses the voltage at the "load side" of the shunt (closer to where the current enters the shunt from the Type-C VBUS ground return).
- The "system ground" or "power ground" reference for the CYPD3175's CSA would be at the other end of the shunt resistor.

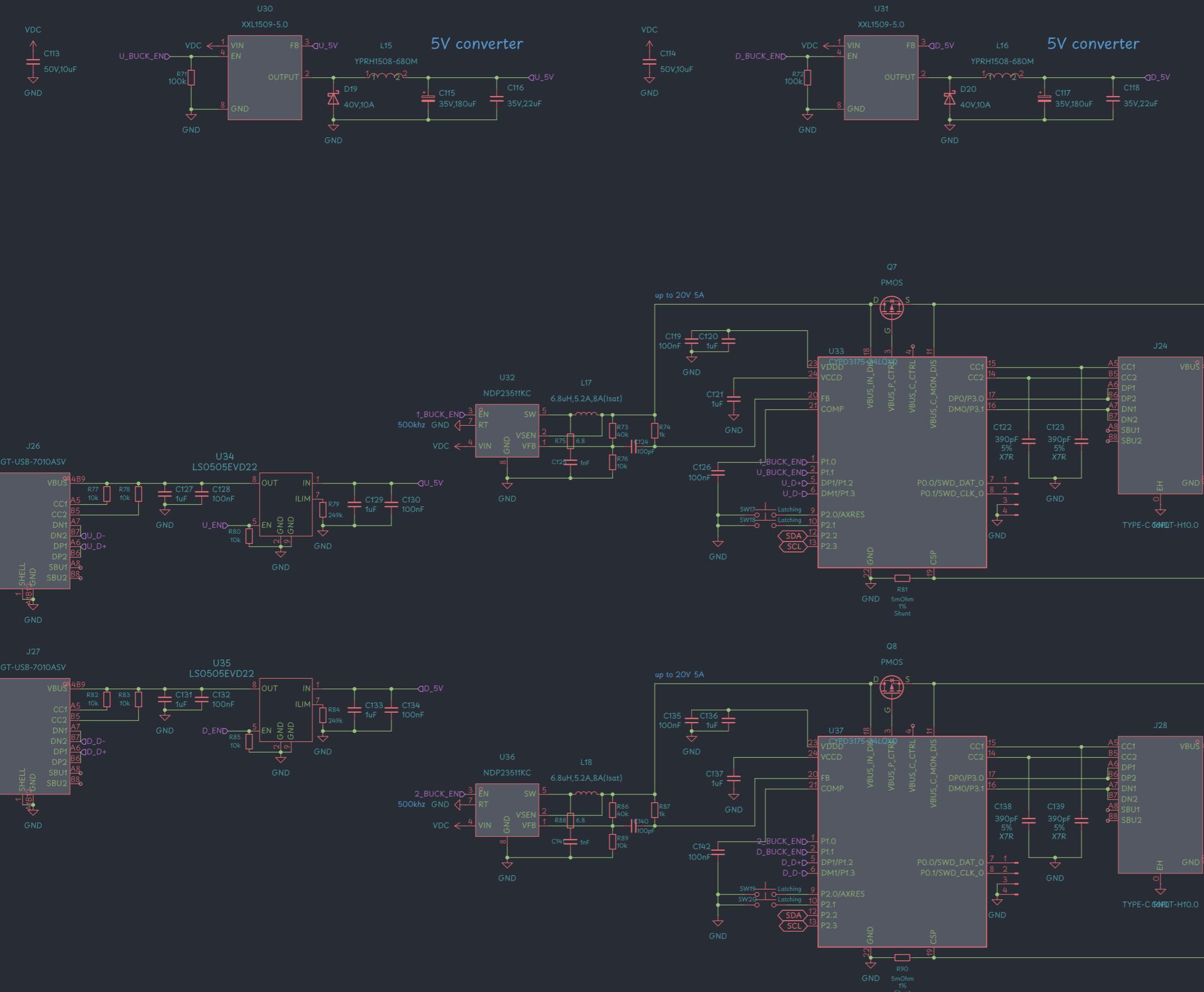


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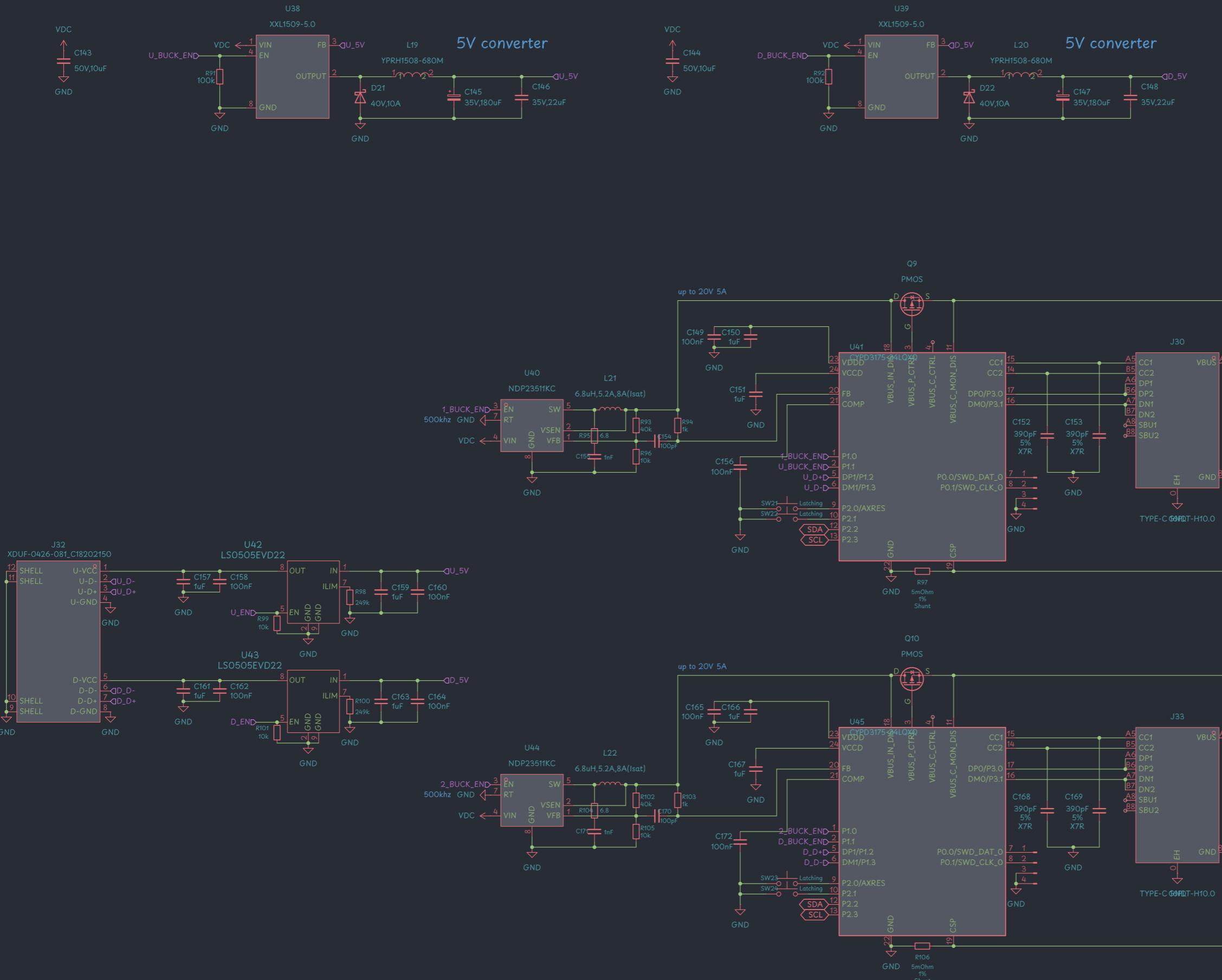


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