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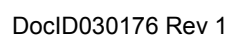
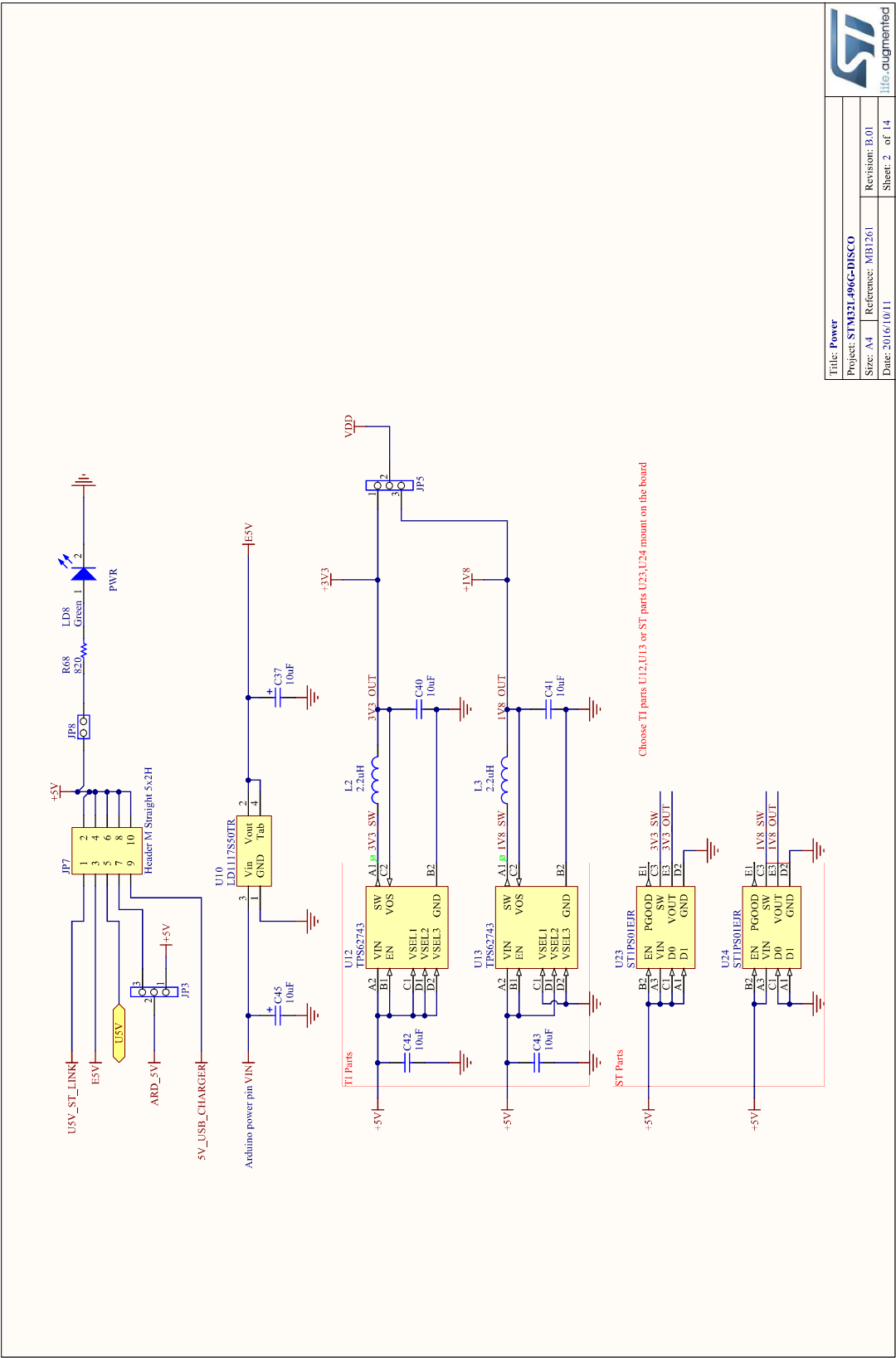


Figure 14. Power



Title: Power			
Project: STM32L496-DISCO			
Size: A4	Reference: MB1261	Revision: B.01	
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Life augmented

The diagram illustrates the internal wiring of an Arduino Uno connector. Key components and connections include:

- Power Section:** A 5V regulator (L7805) is connected to the 5V pin. The regulator's input is connected to the VIN pin, and its output is connected to the VDD pin. The regulator is also connected to the GND pin.
- USB Section:** A USB-to-UART bridge (ATmega16U2) is connected to the USB pins. The bridge's VCC pin is connected to the 5V pin, and its GND pin is connected to the GND pin. The bridge's TX and RX pins are connected to the TX and RX pins of the ATmega328P.
- Digital Section:** The ATmega328P is connected to various I/O expanders (e.g., MCP23017, MCP23018) and other digital components (e.g., MAX485, MAX3232). The ATmega328P's VCC pin is connected to the 5V pin, and its GND pin is connected to the GND pin.
- Connector Pins:** The connector pins are labeled with their functions and values. For example, the 5V pin is labeled "5V", the GND pin is labeled "GND", and the TX pin is labeled "TX".

The diagram is a detailed schematic showing the internal wiring of the Arduino Uno connector, including the power section, USB section, and digital section. It shows the connection of various components to the board's pins, such as the 5V regulator, USB-to-UART bridge, and ATmega328P. The connector pins are labeled with their functions and values, and the board components are labeled with their names and values.

Figure 16. ST-LINK/V2-1

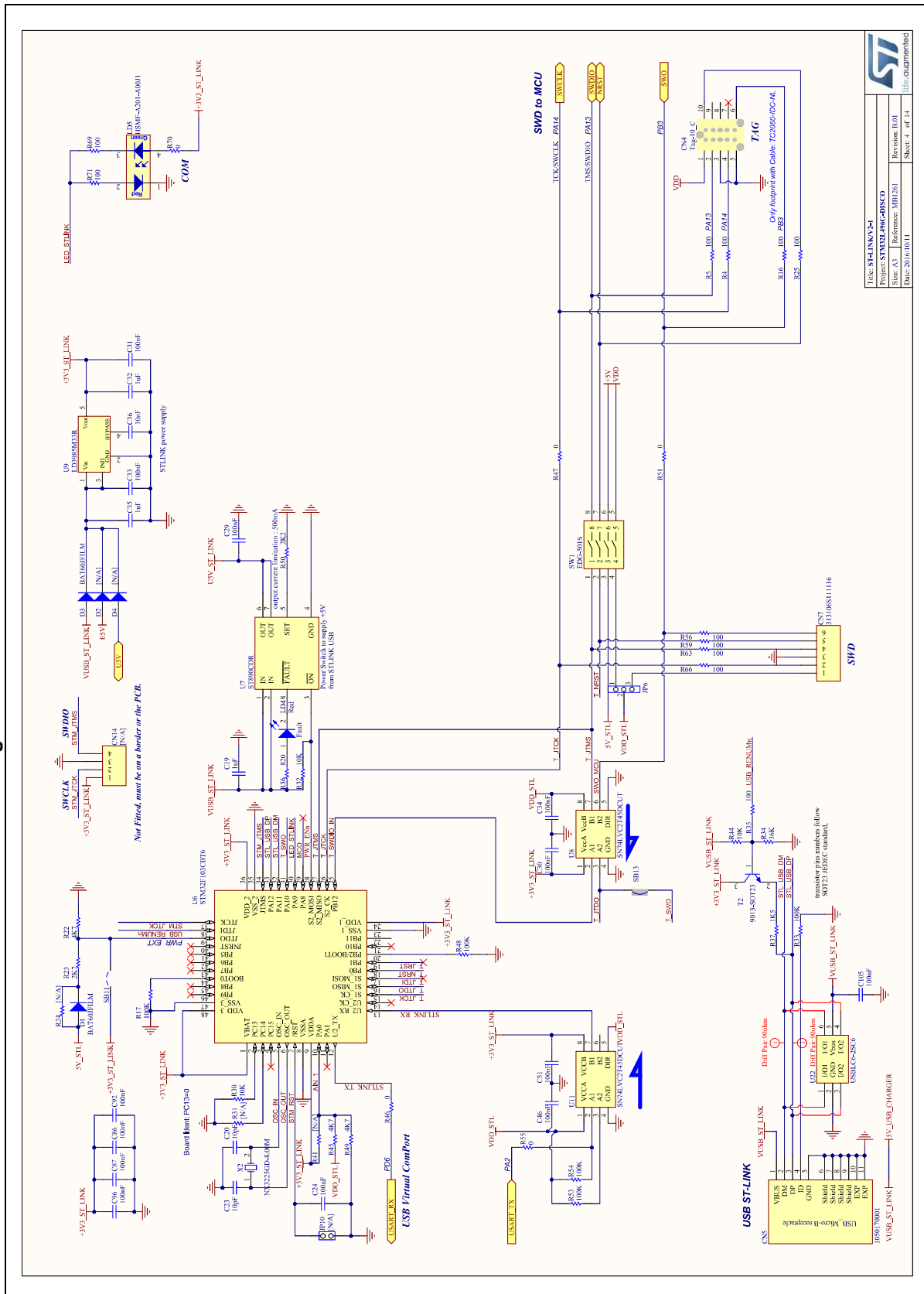


Figure 17. Quad-SPI Flash

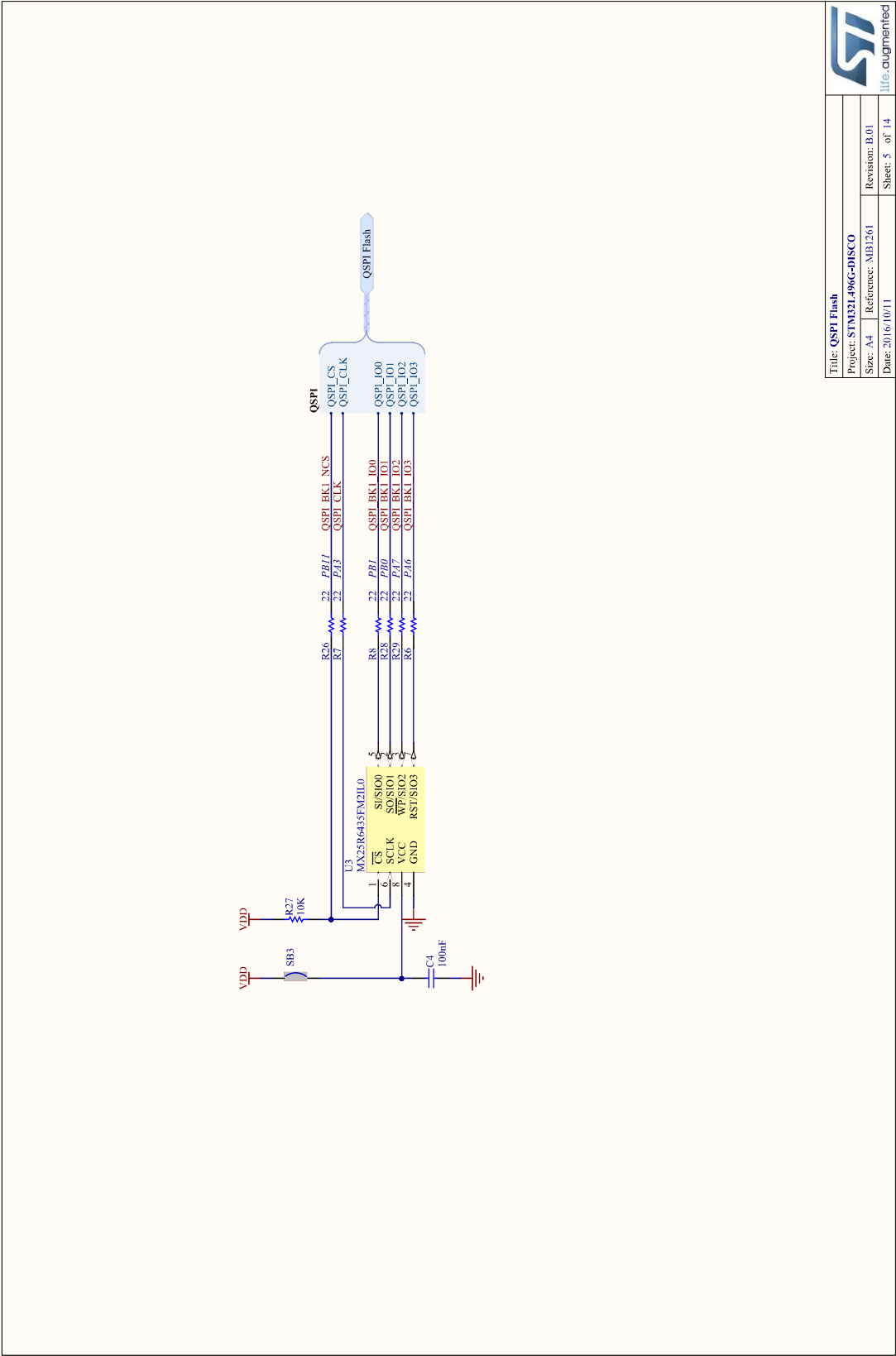
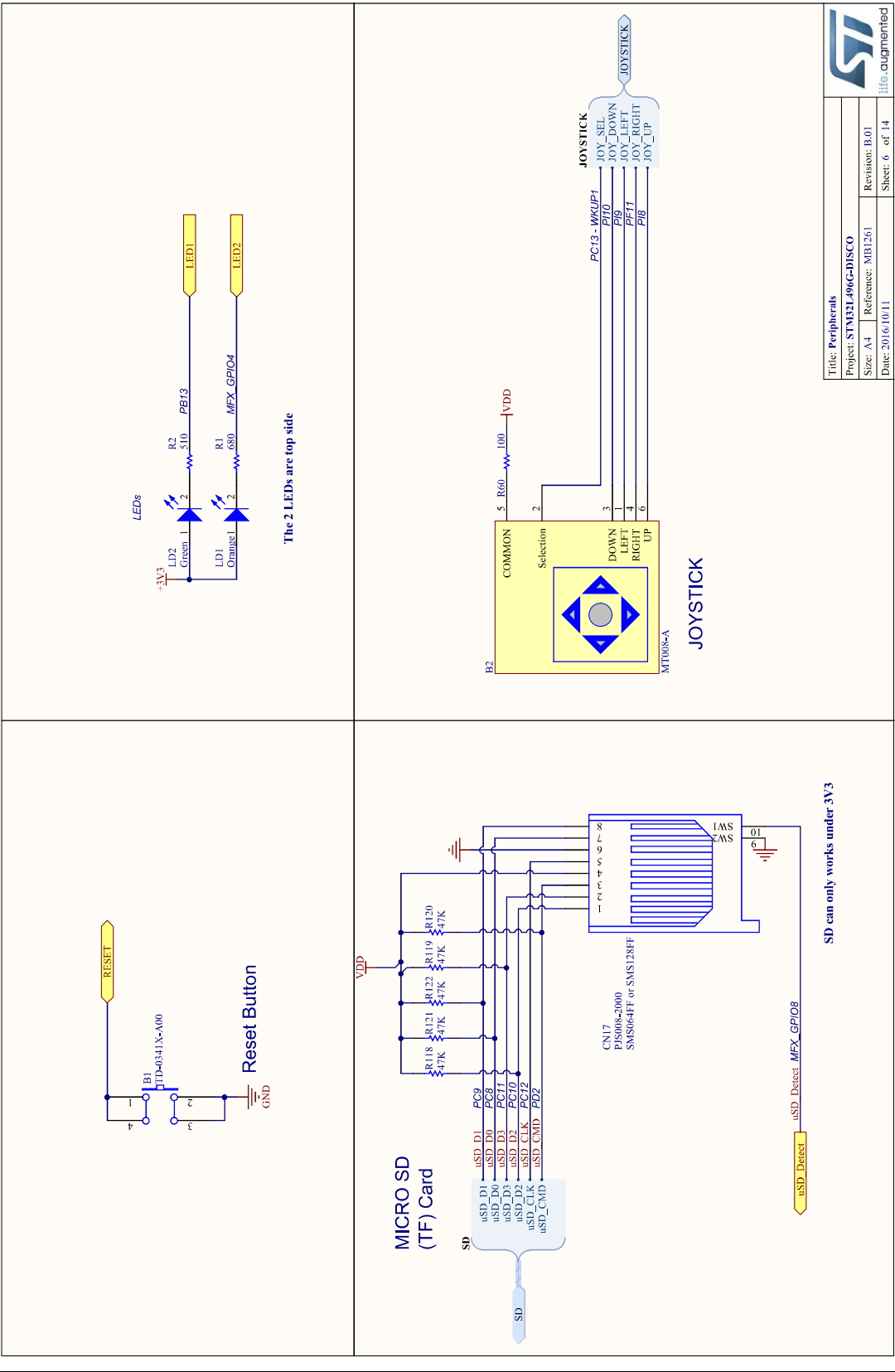


Figure 18. Peripherals



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Project: STM32L496G-DISCO			
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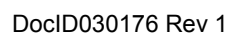
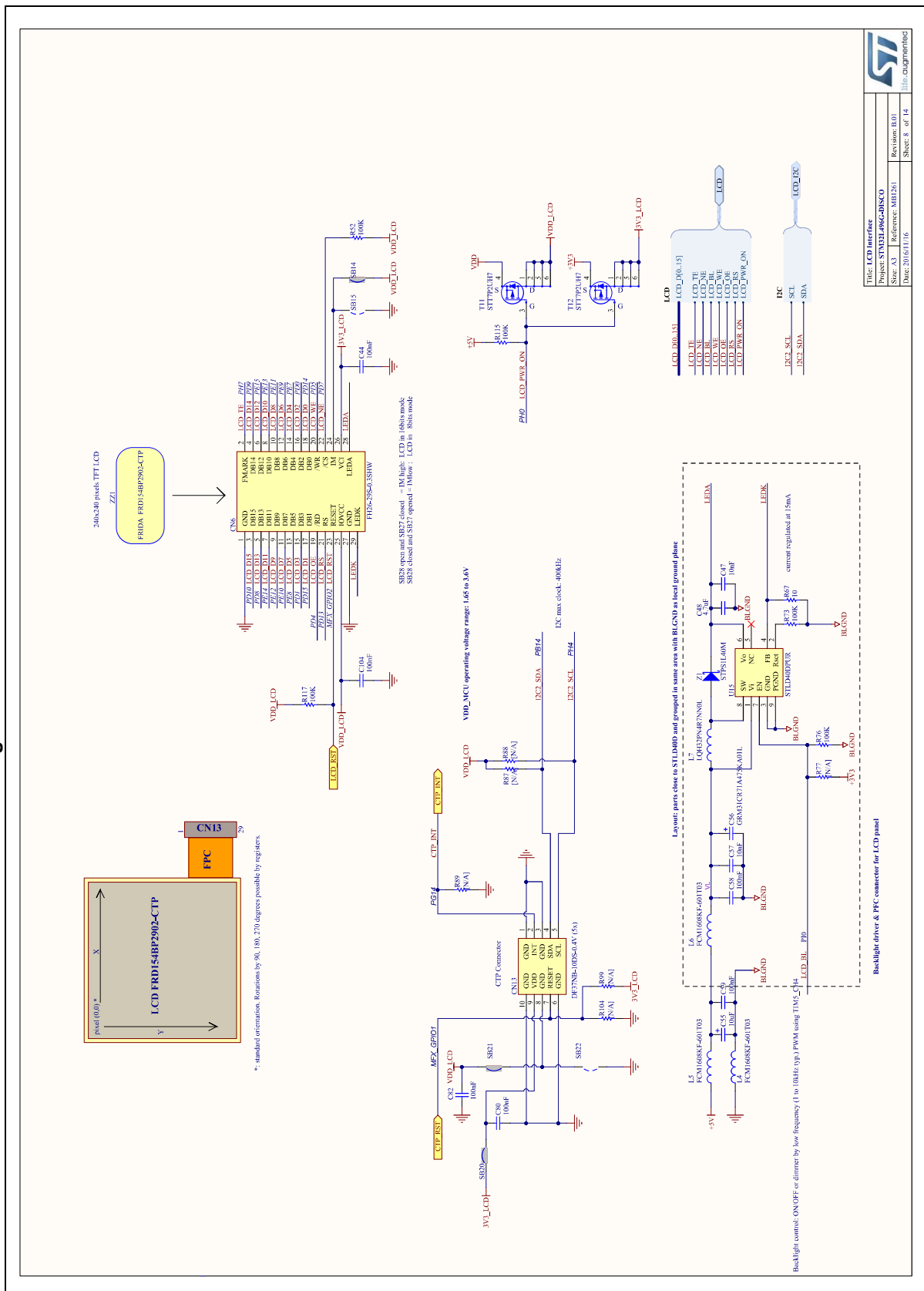
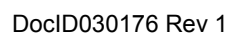


Figure 20. LCD interface



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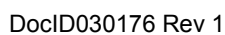
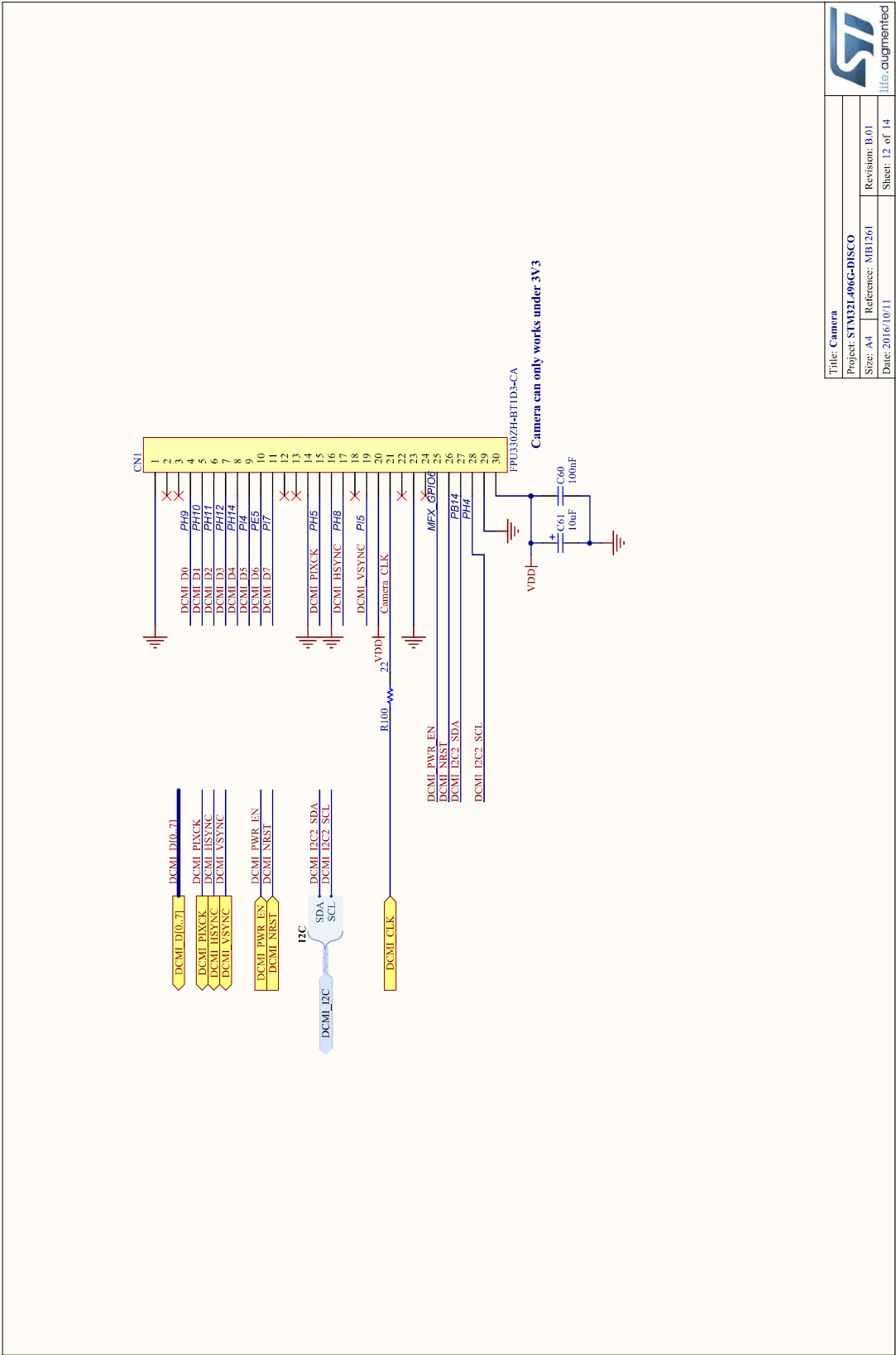


Figure 24. Camera



Title: Camera	
Project: STM32L496G-DISCO	
Size: A4	Revision: B.01
Reference: MB1261	
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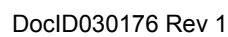


Figure 26. Audio and DFSDM

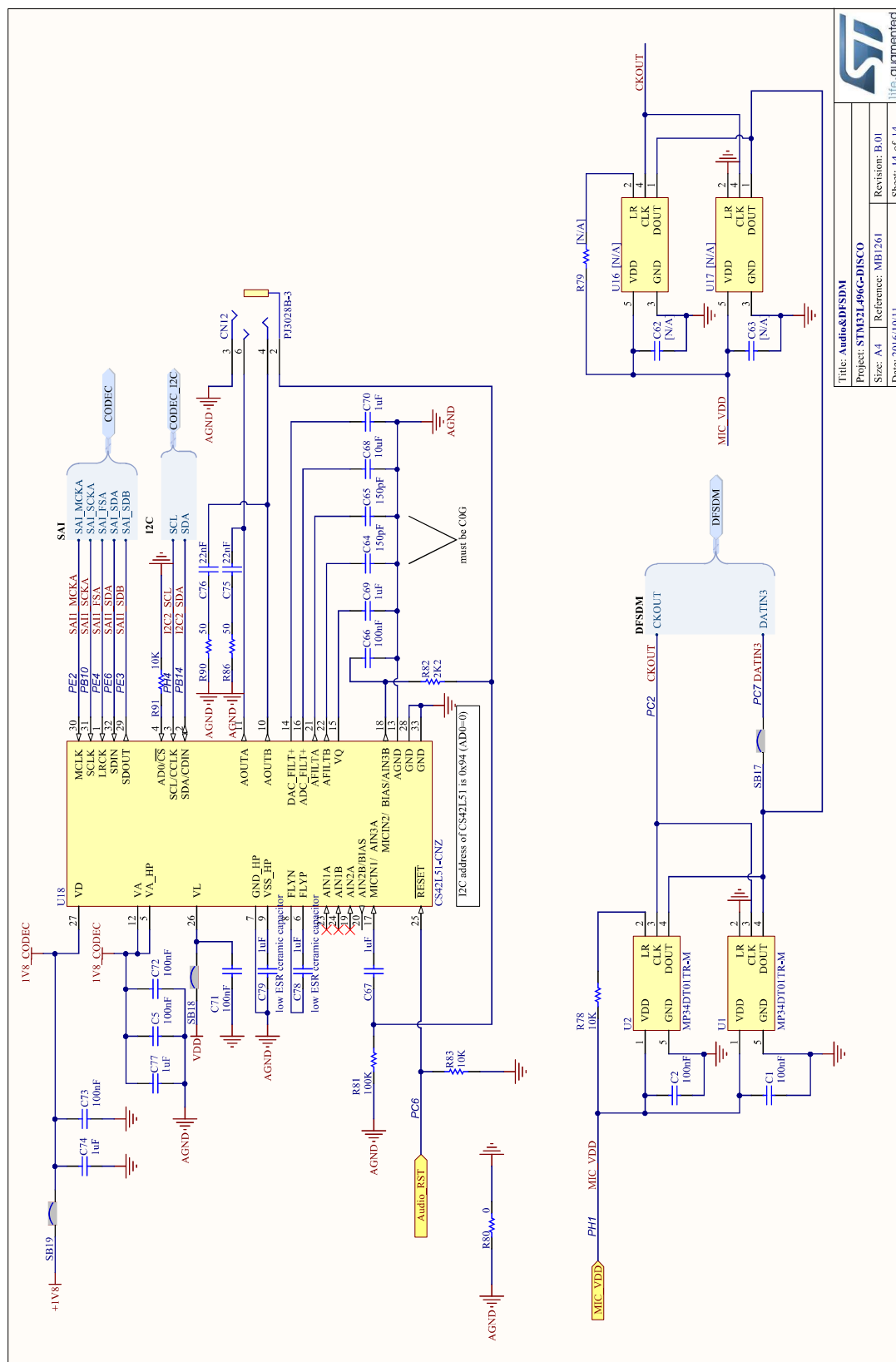


Figure 27. Fanout board

