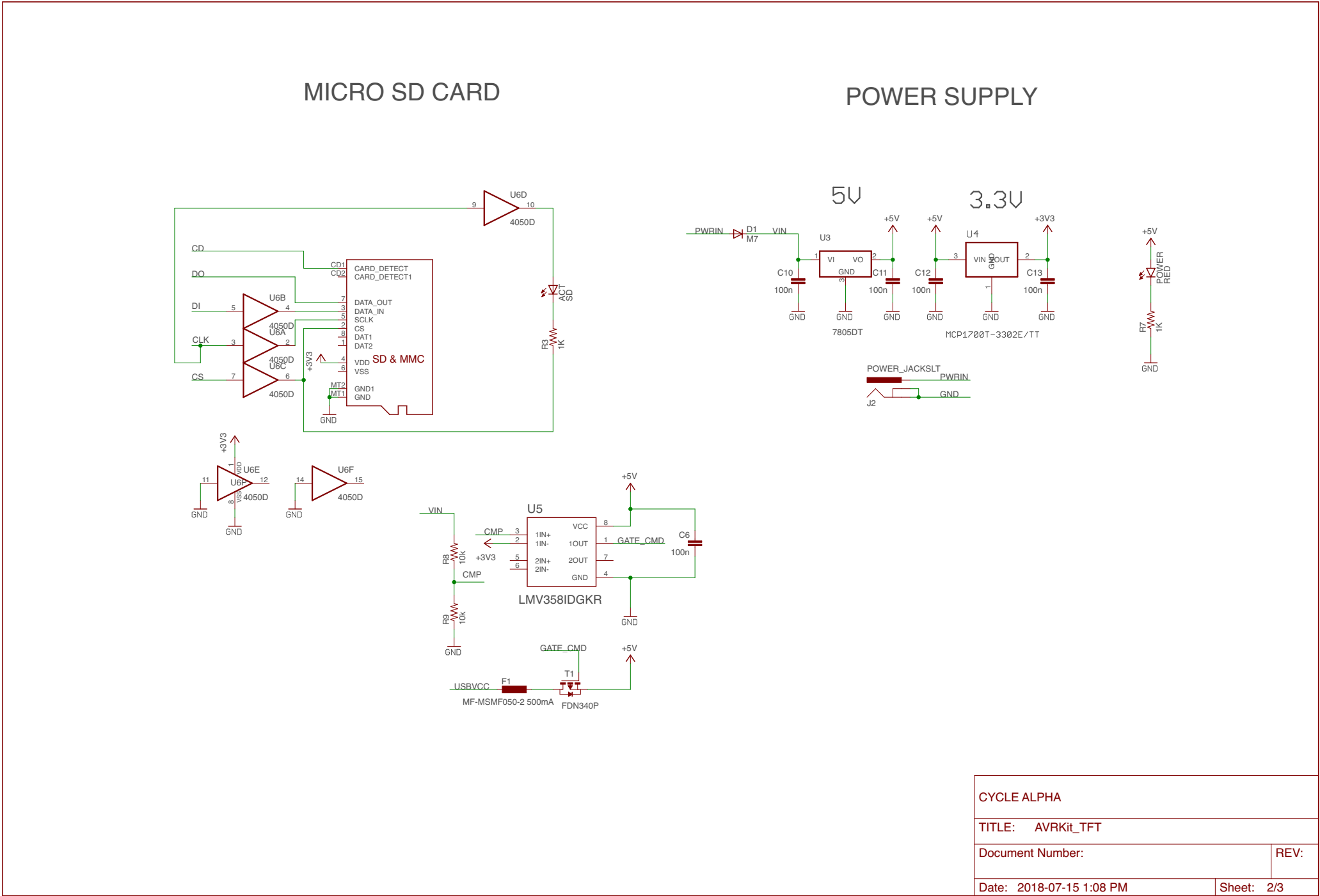
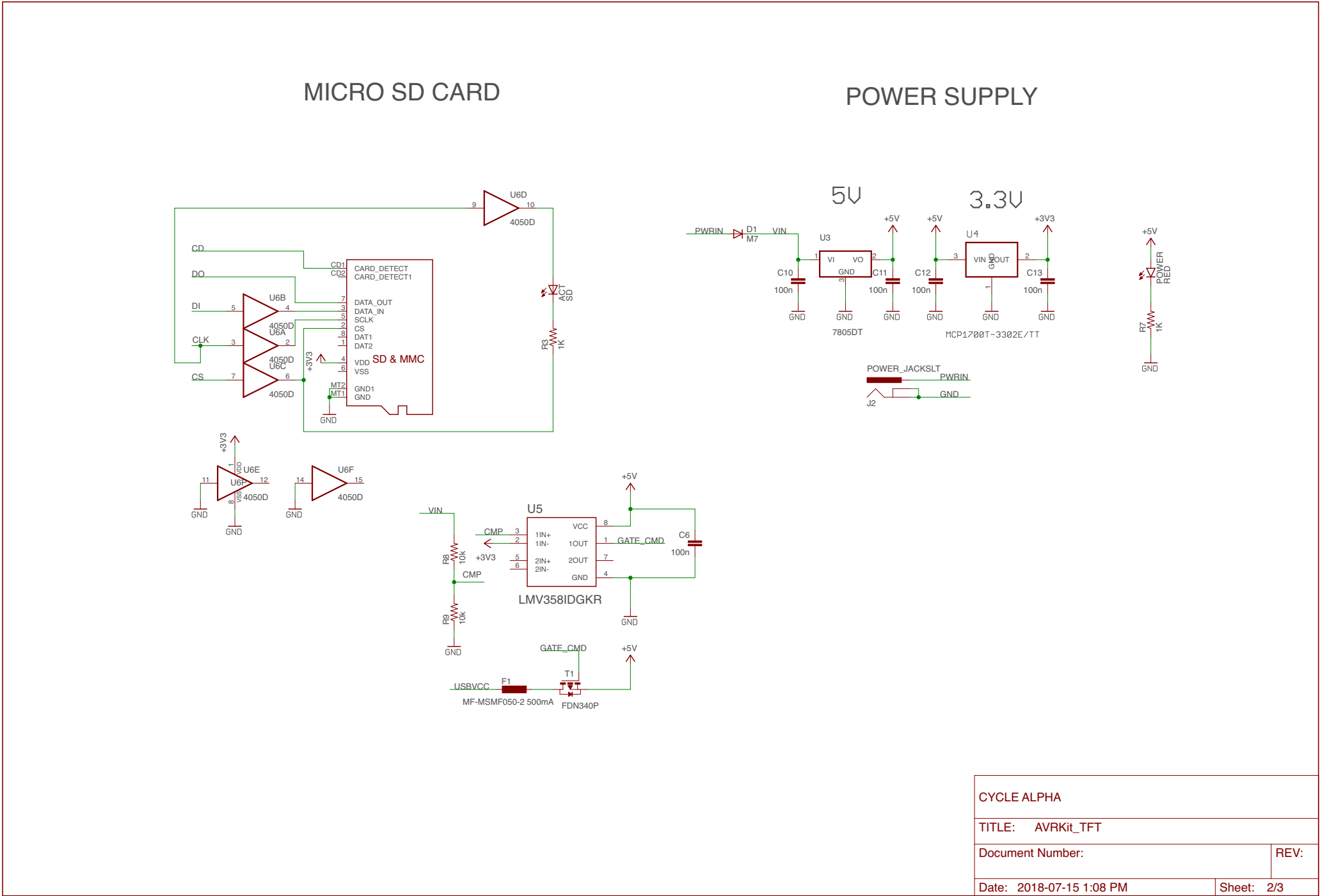
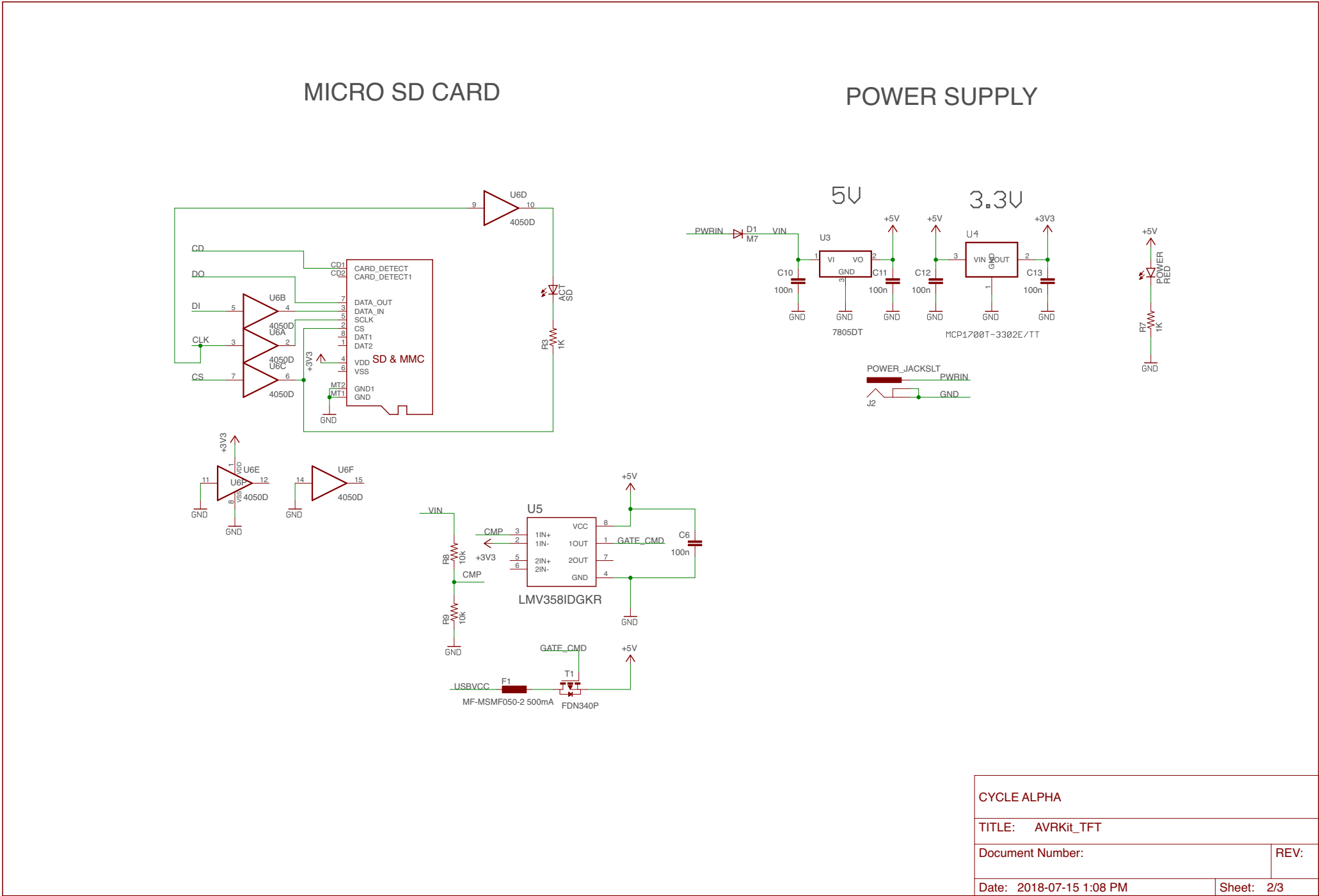
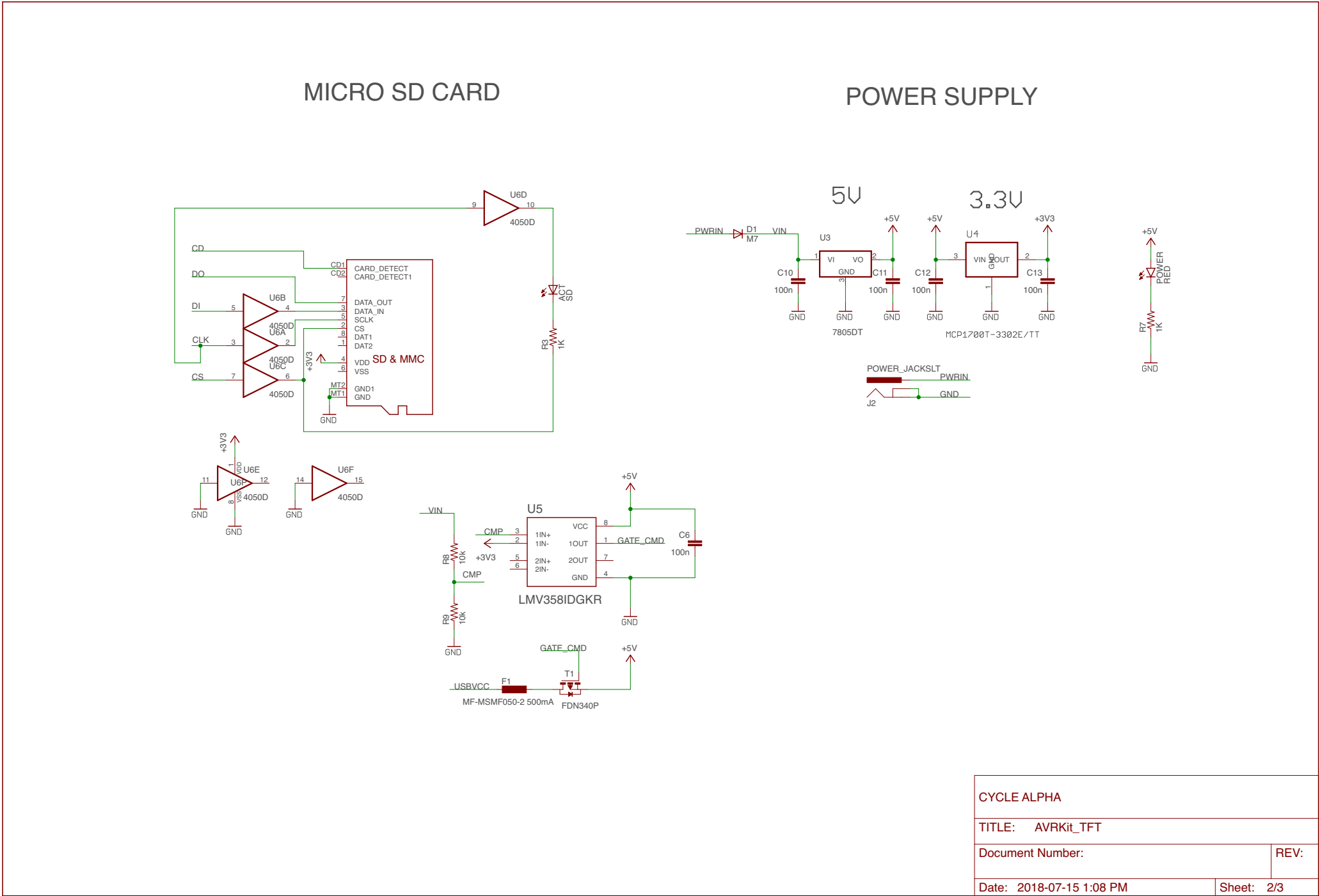


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The schematic diagram illustrates the AVRKit\_TFT circuit, which includes a Micro SD Card interface, a Power Supply, and the main AVRKit\_TFT block.

**Micro SD Card Interface:** The Micro SD Card (U6D, 4050D) is connected to the AVRKit\_TFT block (U6A, 4050D) via a 1K resistor (R3). The card's CD pin is connected to the AVRKit\_TFT's CD pin. The card's DO pin is connected to the AVRKit\_TFT's DI pin. The card's CLK pin is connected to the AVRKit\_TFT's CLK pin. The card's CS pin is connected to the AVRKit\_TFT's CS pin. The card's DAT1 pin is connected to the AVRKit\_TFT's DAT1 pin. The card's DAT2 pin is connected to the AVRKit\_TFT's DAT2 pin. The card's VDD pin is connected to the AVRKit\_TFT's VDD pin. The card's VSS pin is connected to the AVRKit\_TFT's VSS pin. The card's GND1 pin is connected to the AVRKit\_TFT's GND1 pin. The card's MT1 pin is connected to the AVRKit\_TFT's MT1 pin. The card's MT2 pin is connected to the AVRKit\_TFT's MT2 pin.

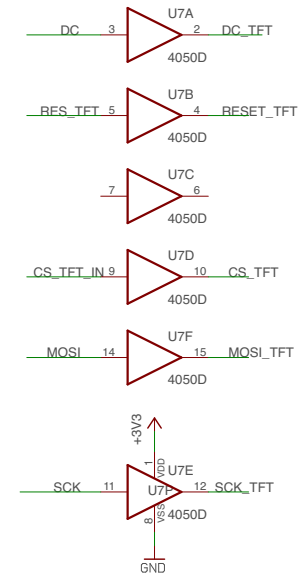
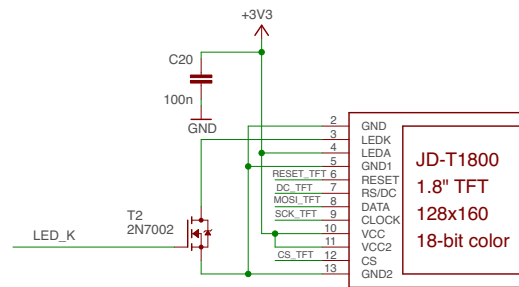
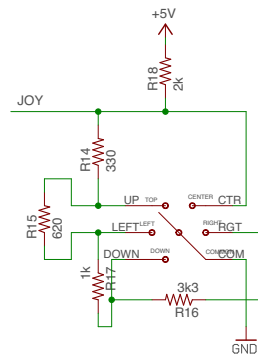
**Power Supply:** The Power Supply (U3, 7805DT) is connected to the AVRKit\_TFT block (U4, MCP1700T-3302E/TT) via a 100nF capacitor (C10). The Power Supply's VIN pin is connected to the AVRKit\_TFT's VIN pin. The Power Supply's VOUT pin is connected to the AVRKit\_TFT's VOUT pin. The Power Supply's GND pin is connected to the AVRKit\_TFT's GND pin. The Power Supply's 5V pin is connected to the AVRKit\_TFT's 5V pin. The Power Supply's 3.3V pin is connected to the AVRKit\_TFT's 3.3V pin. The Power Supply's GND pin is connected to the AVRKit\_TFT's GND pin. The Power Supply's 5V pin is connected to the AVRKit\_TFT's 5V pin. The Power Supply's 3.3V pin is connected to the AVRKit\_TFT's 3.3V pin. The Power Supply's GND pin is connected to the AVRKit\_TFT's GND pin.

**AVRKit\_TFT Block:** The AVRKit\_TFT block (U5, LMV358IDGKR) is connected to the AVRKit\_TFT block (U6A, 4050D) via a 100nF capacitor (C6). The AVRKit\_TFT's VIN pin is connected to the AVRKit\_TFT's VIN pin. The AVRKit\_TFT's VOUT pin is connected to the AVRKit\_TFT's VOUT pin. The AVRKit\_TFT's GND pin is connected to the AVRKit\_TFT's GND pin. The AVRKit\_TFT's 5V pin is connected to the AVRKit\_TFT's 5V pin. The AVRKit\_TFT's 3.3V pin is connected to the AVRKit\_TFT's 3.3V pin. The AVRKit\_TFT's GND pin is connected to the AVRKit\_TFT's GND pin. The AVRKit\_TFT's 5V pin is connected to the AVRKit\_TFT's 5V pin. The AVRKit\_TFT's 3.3V pin is connected to the AVRKit\_TFT's 3.3V pin. The AVRKit\_TFT's GND pin is connected to the AVRKit\_TFT's GND pin.

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