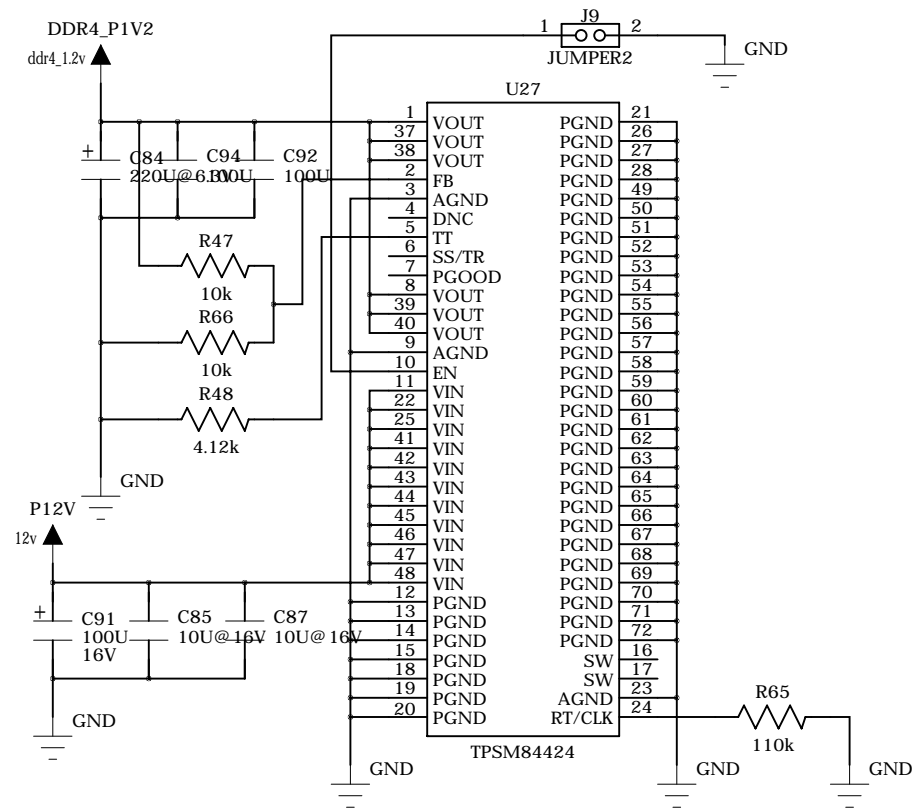
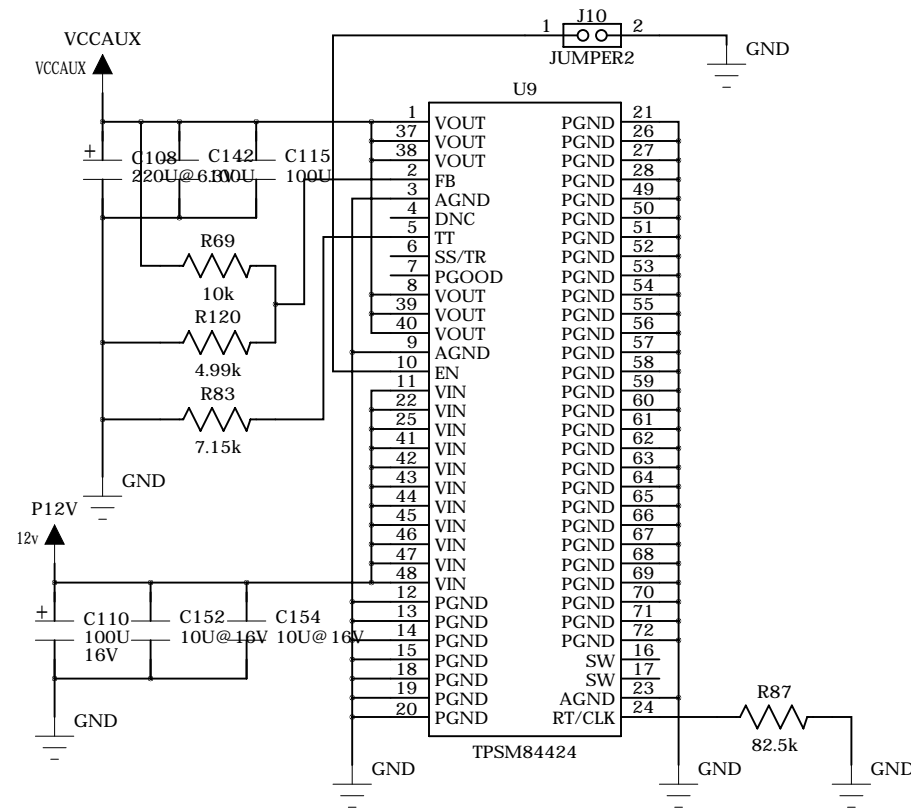


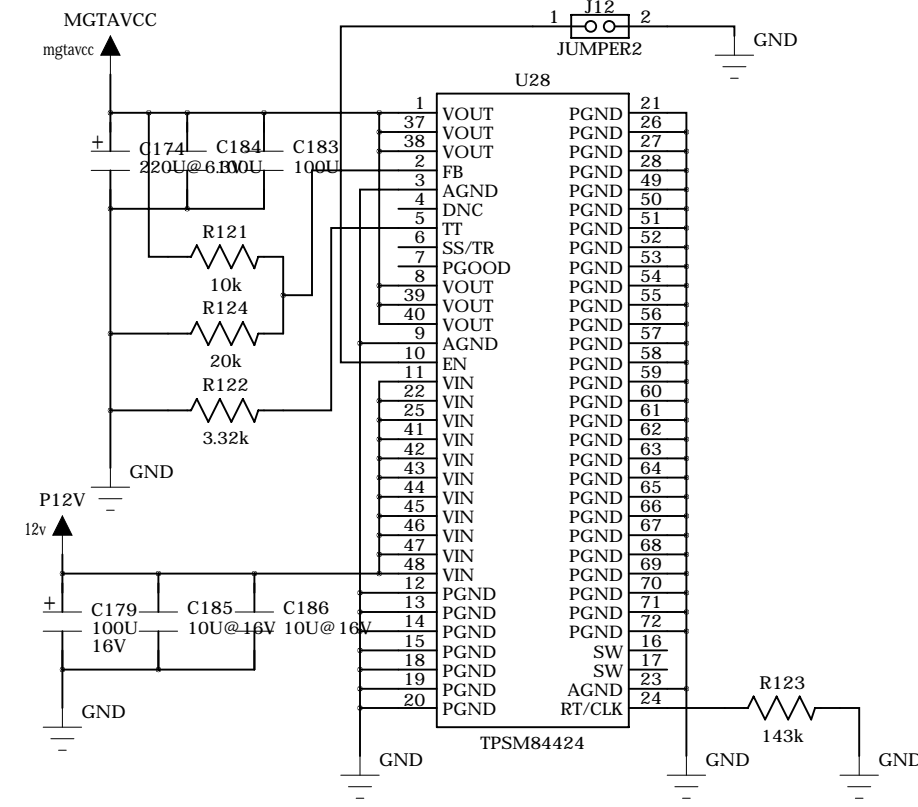
DDR4 @ 1.2V 4A



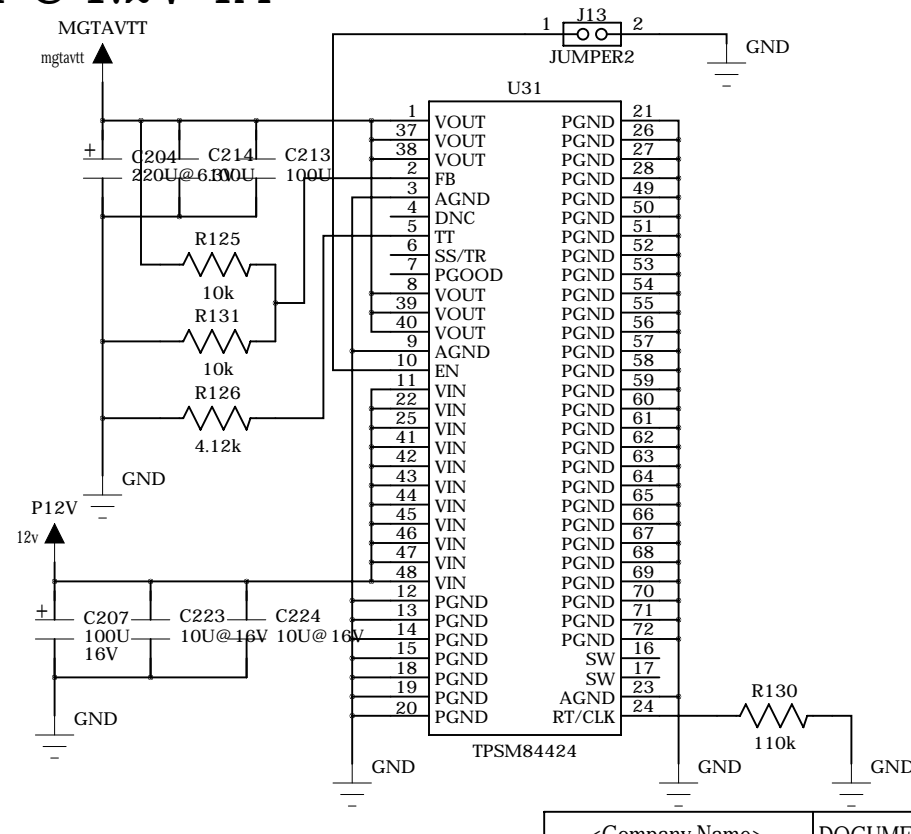
VCCAUX @ 1.8V 4A



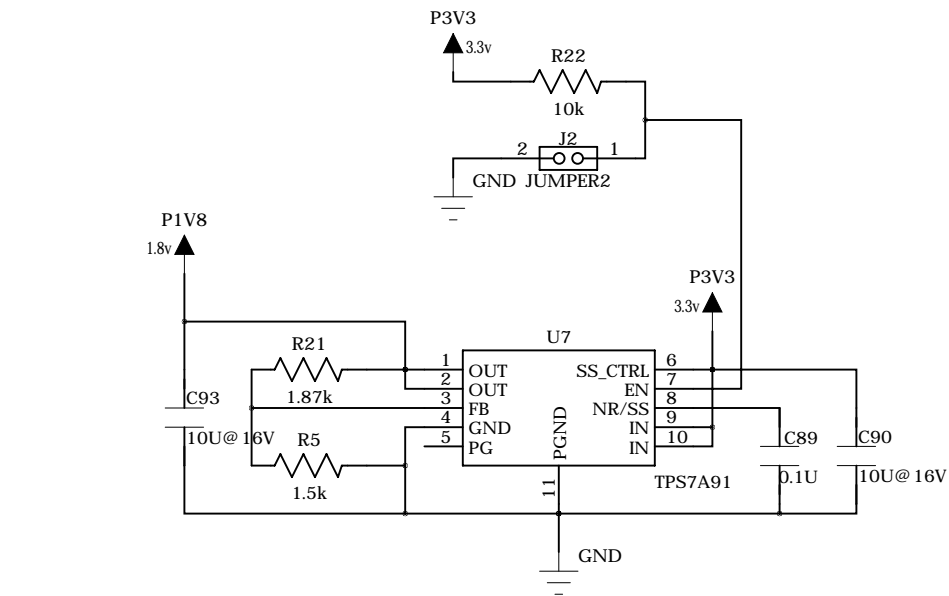
MGTAVCC @ 0.9V 4A



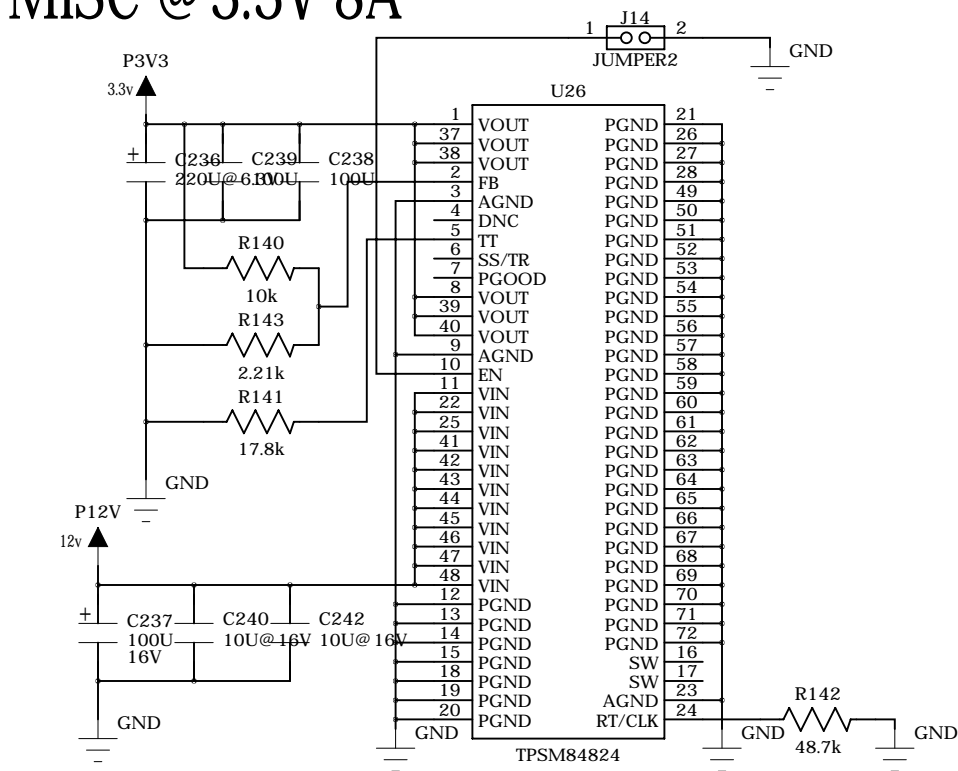
MGTAVTT @ 1.2V 4A



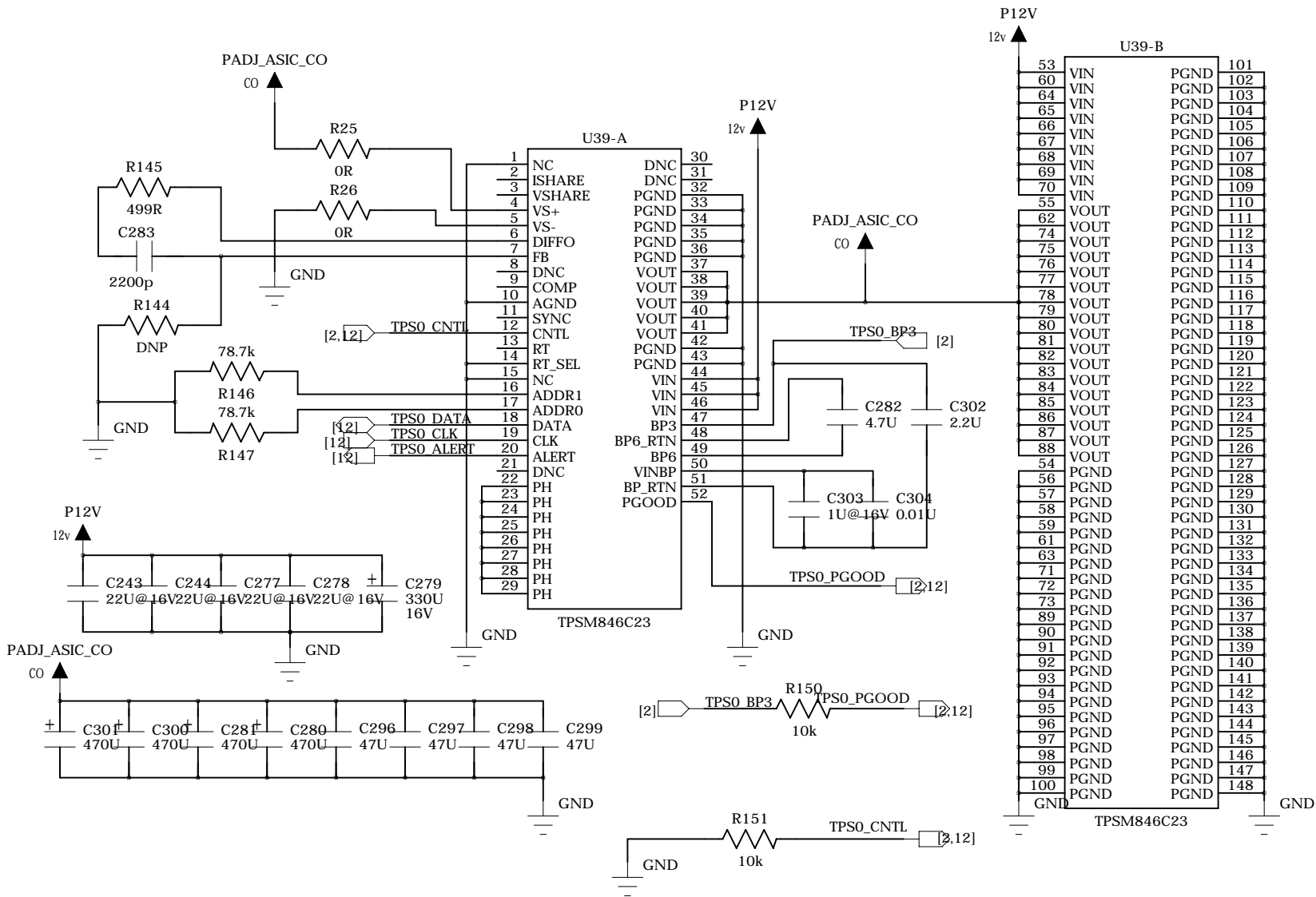
CONFIG @ 1.8V 1A



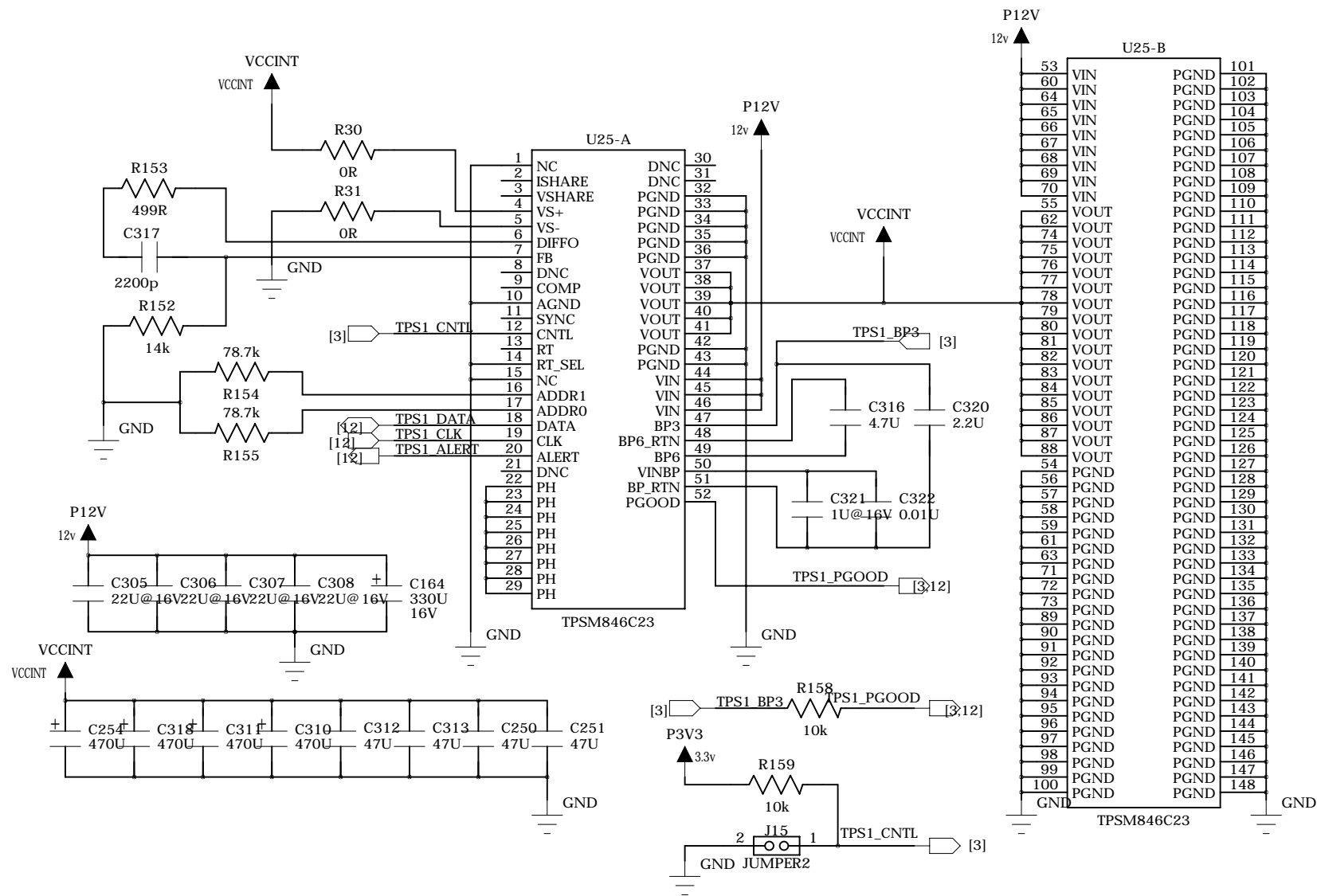
MISC @ 3.3V 8A



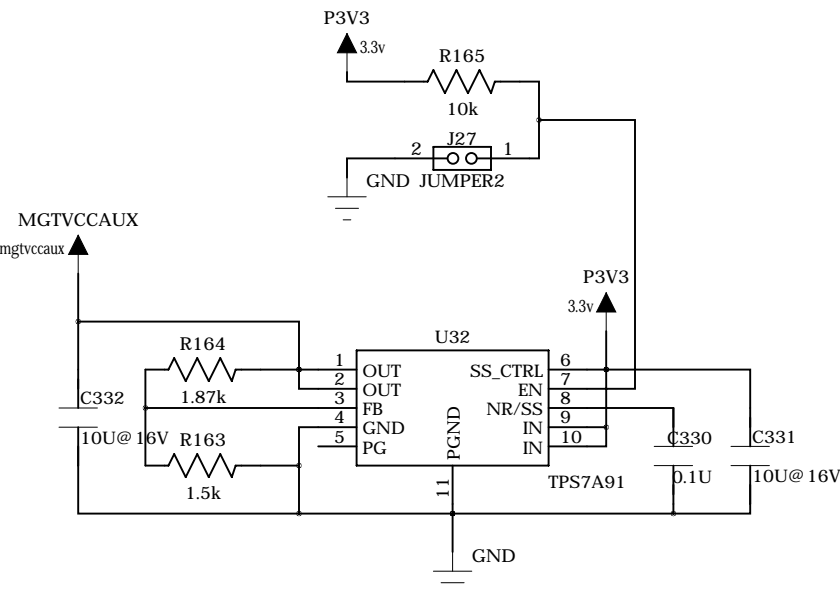
ASIC_CORE @ ADJ 35A



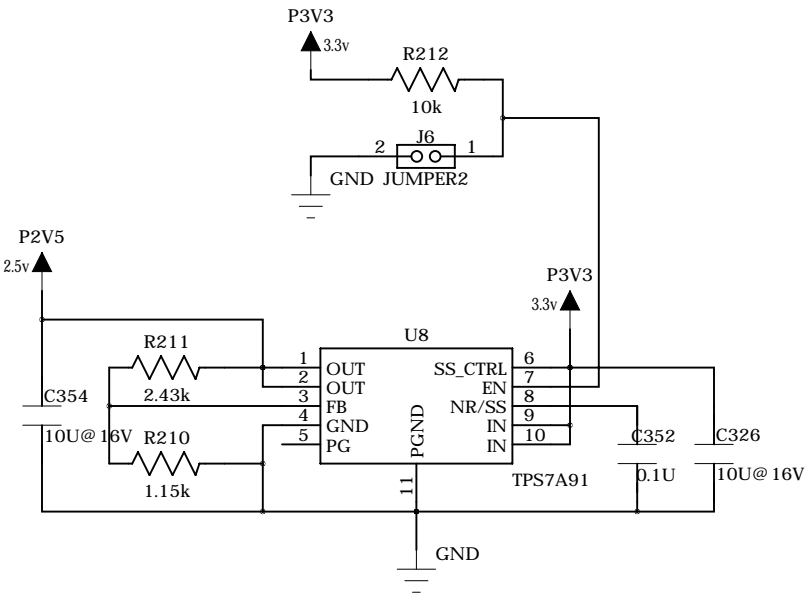
VCCINT / VCCBRAM @ 0.85V 35A



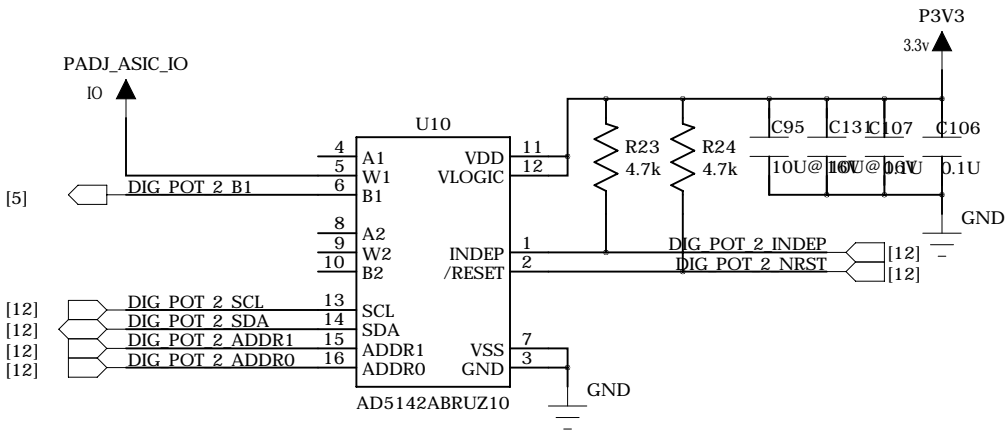
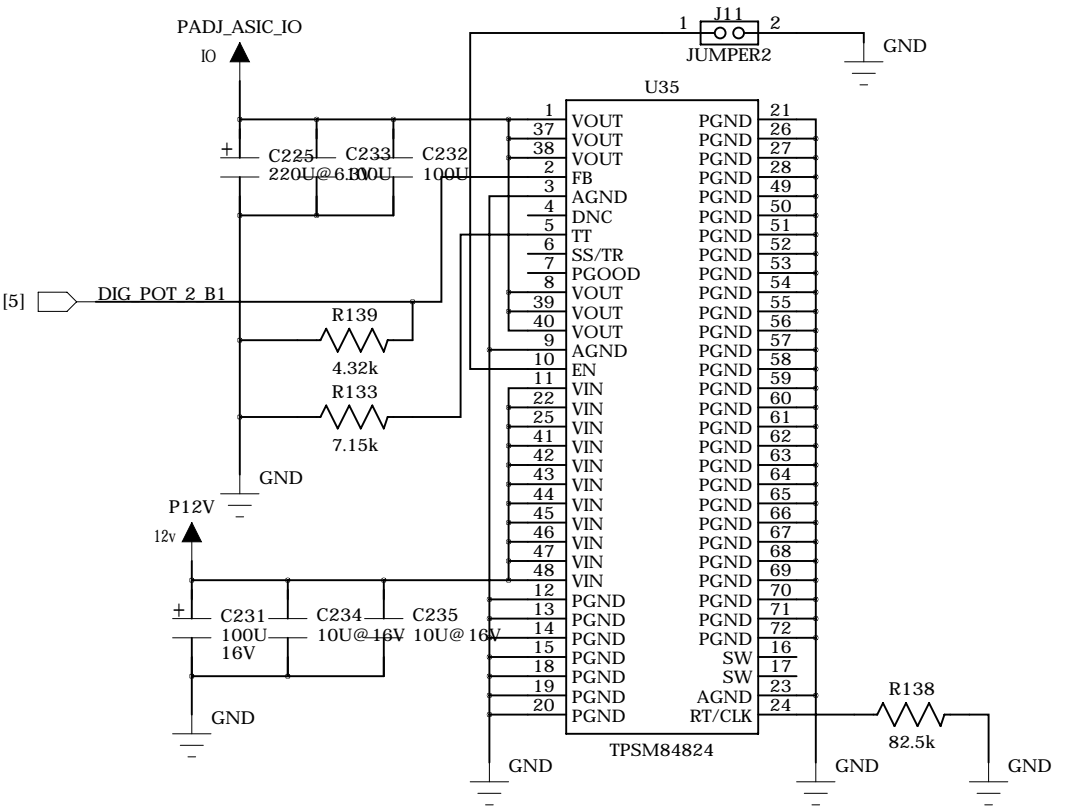
MGTVCCAUX @ 1.8V 1A

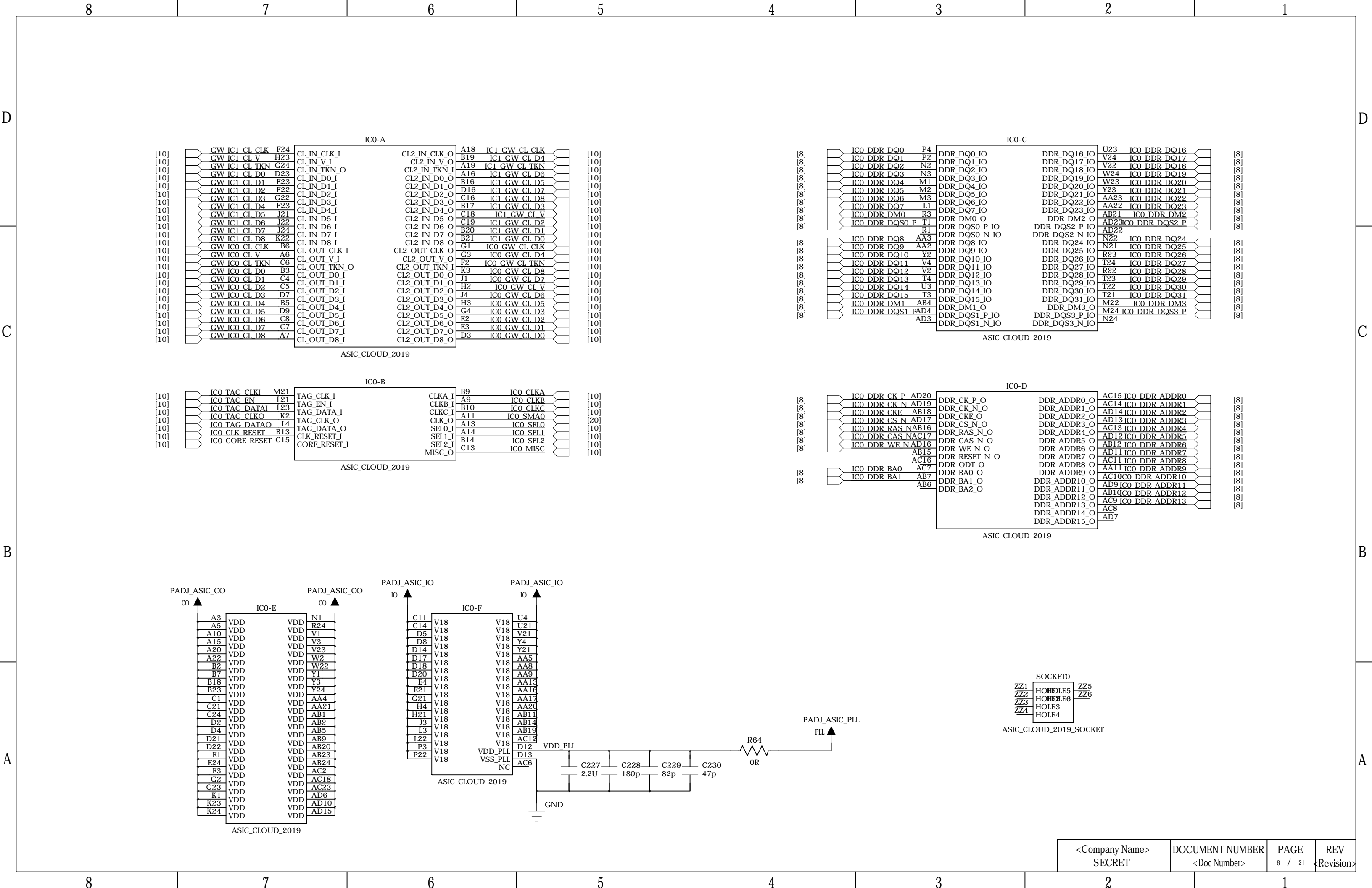


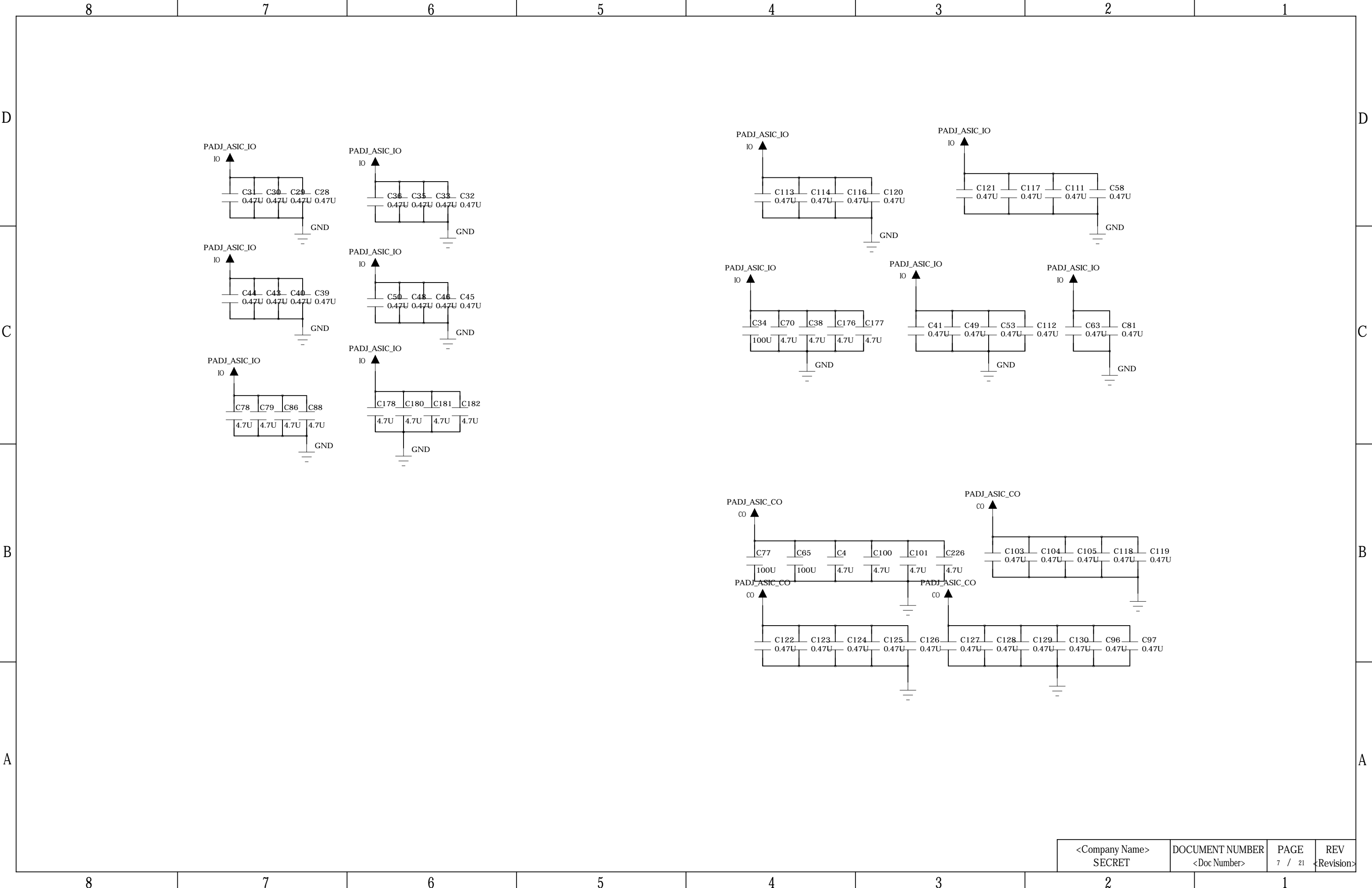
UTIL @ 2.5V 1A

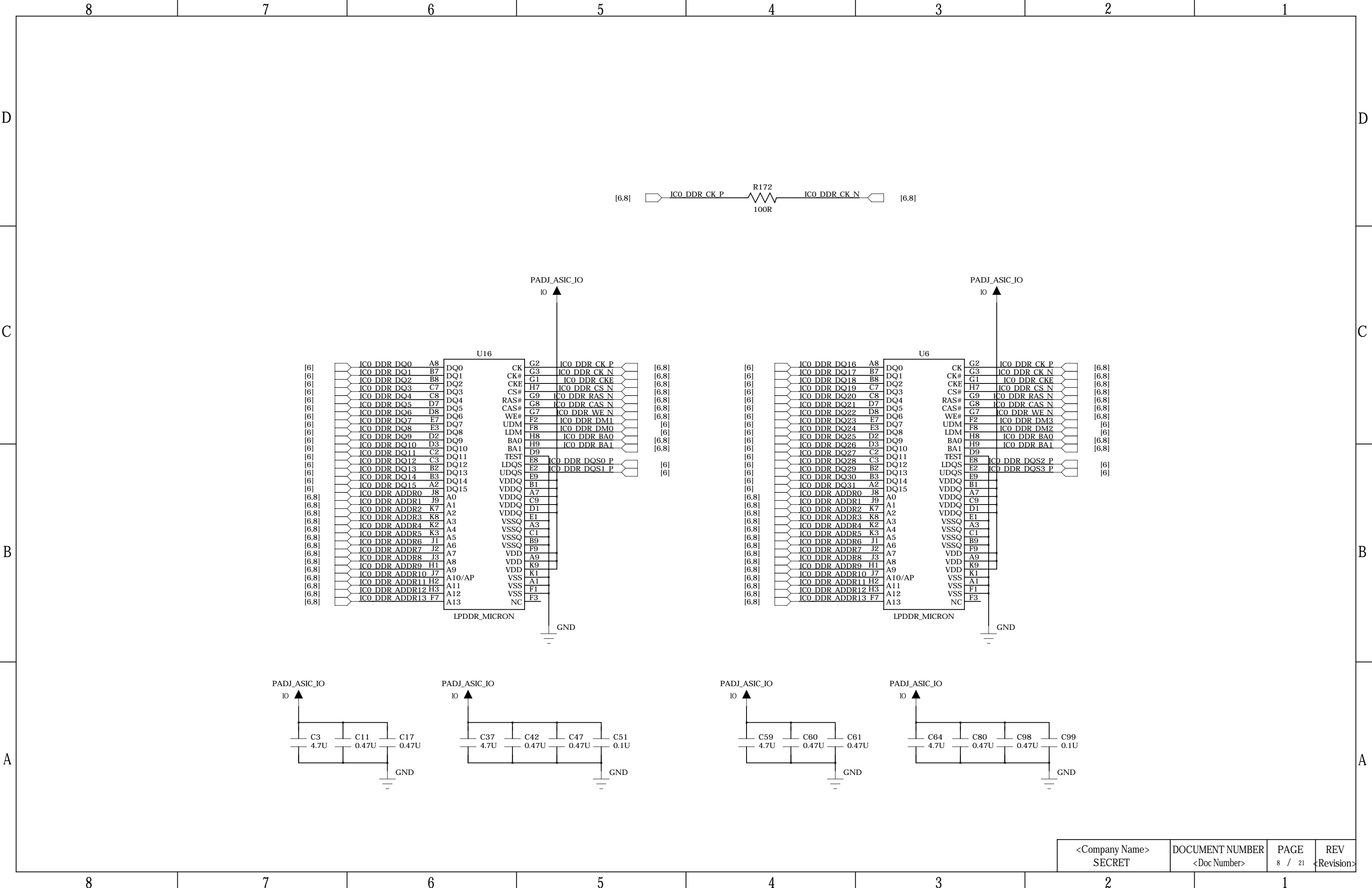


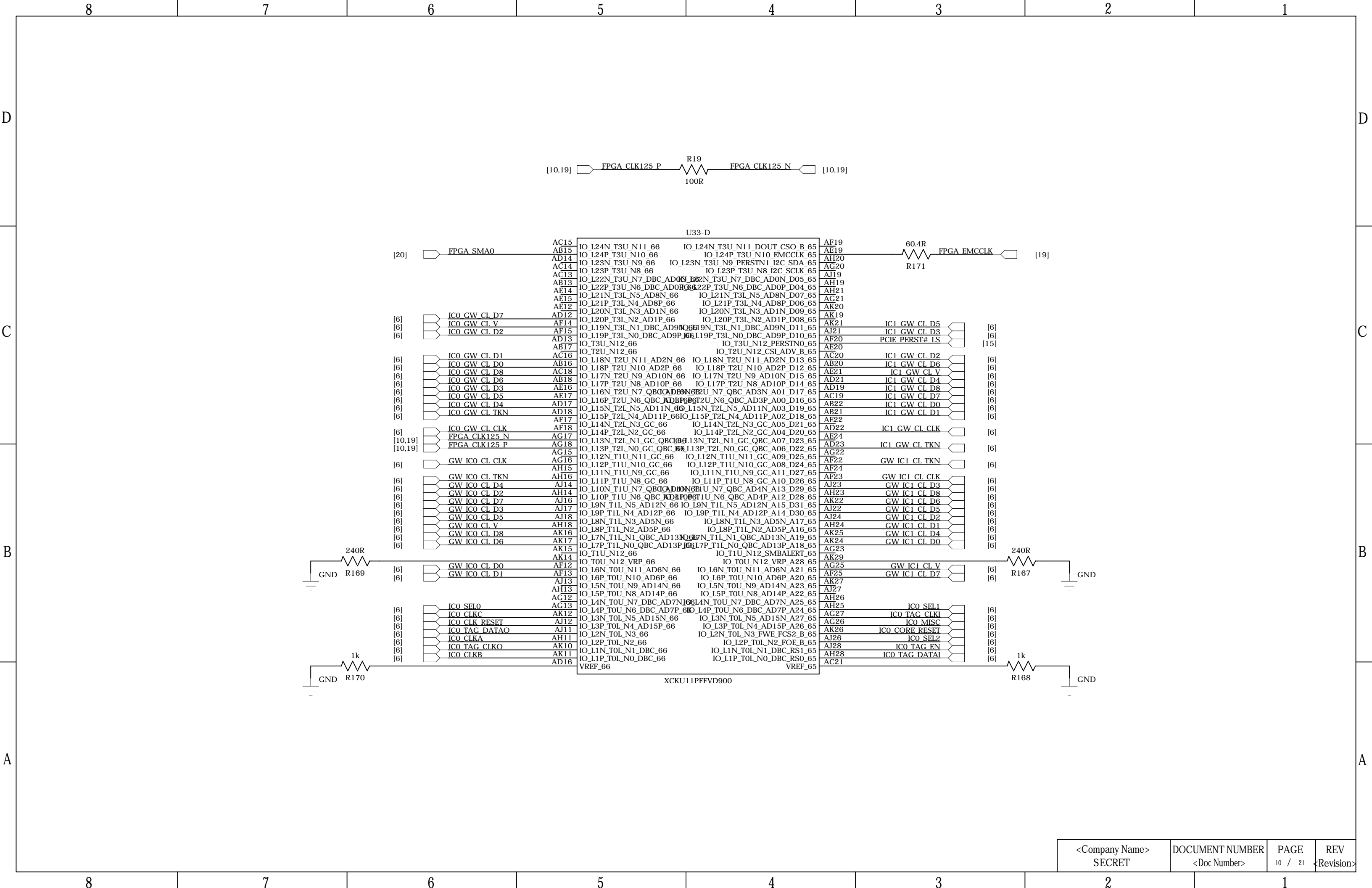
ASIC_IO @ ADJ 8A











D

C

B

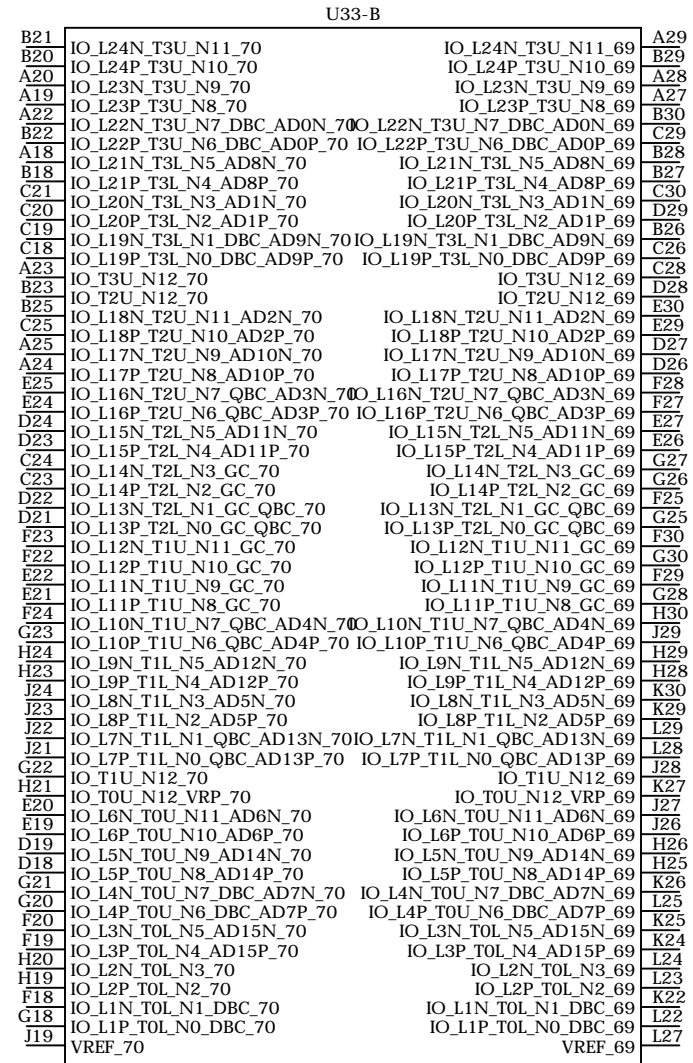
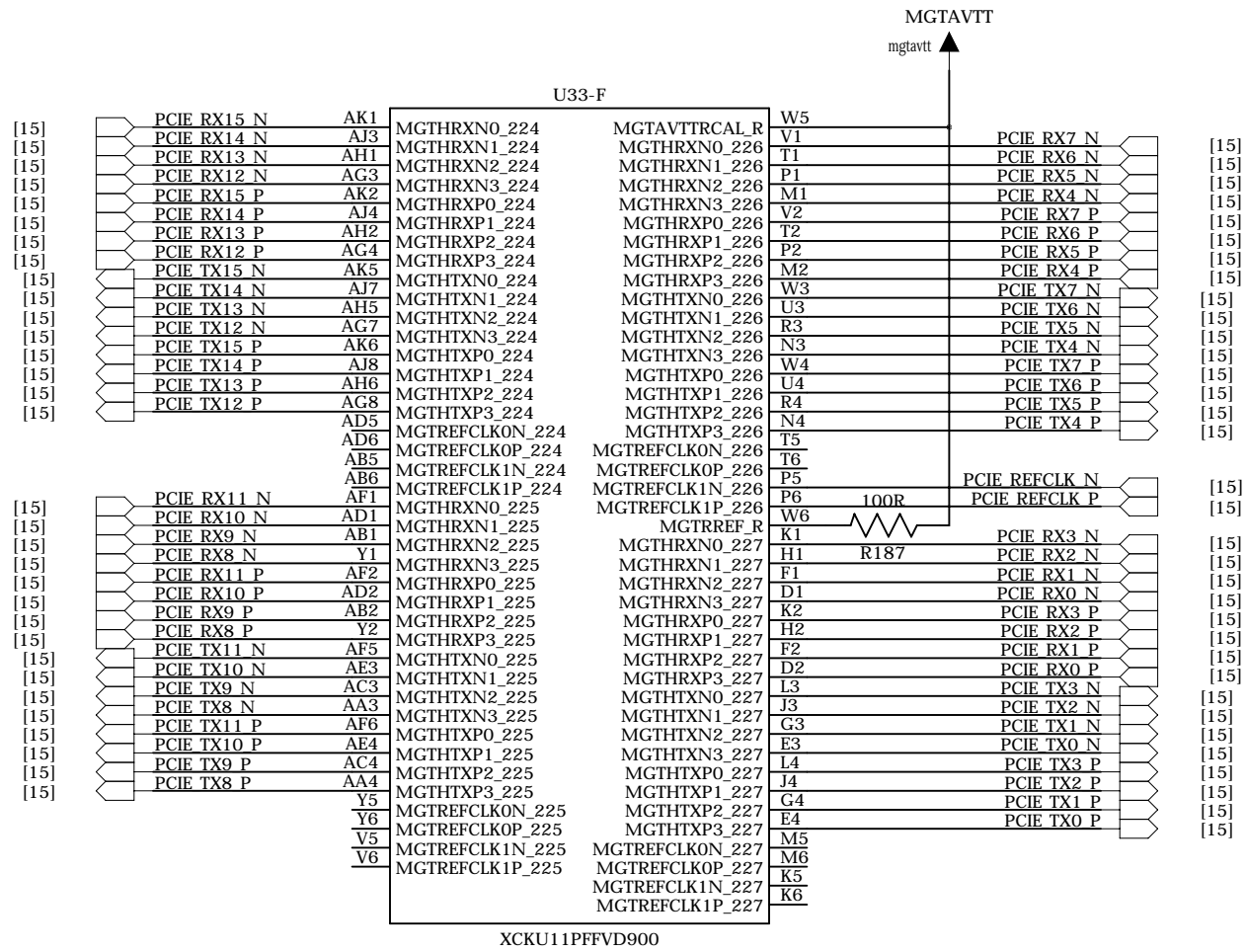
A

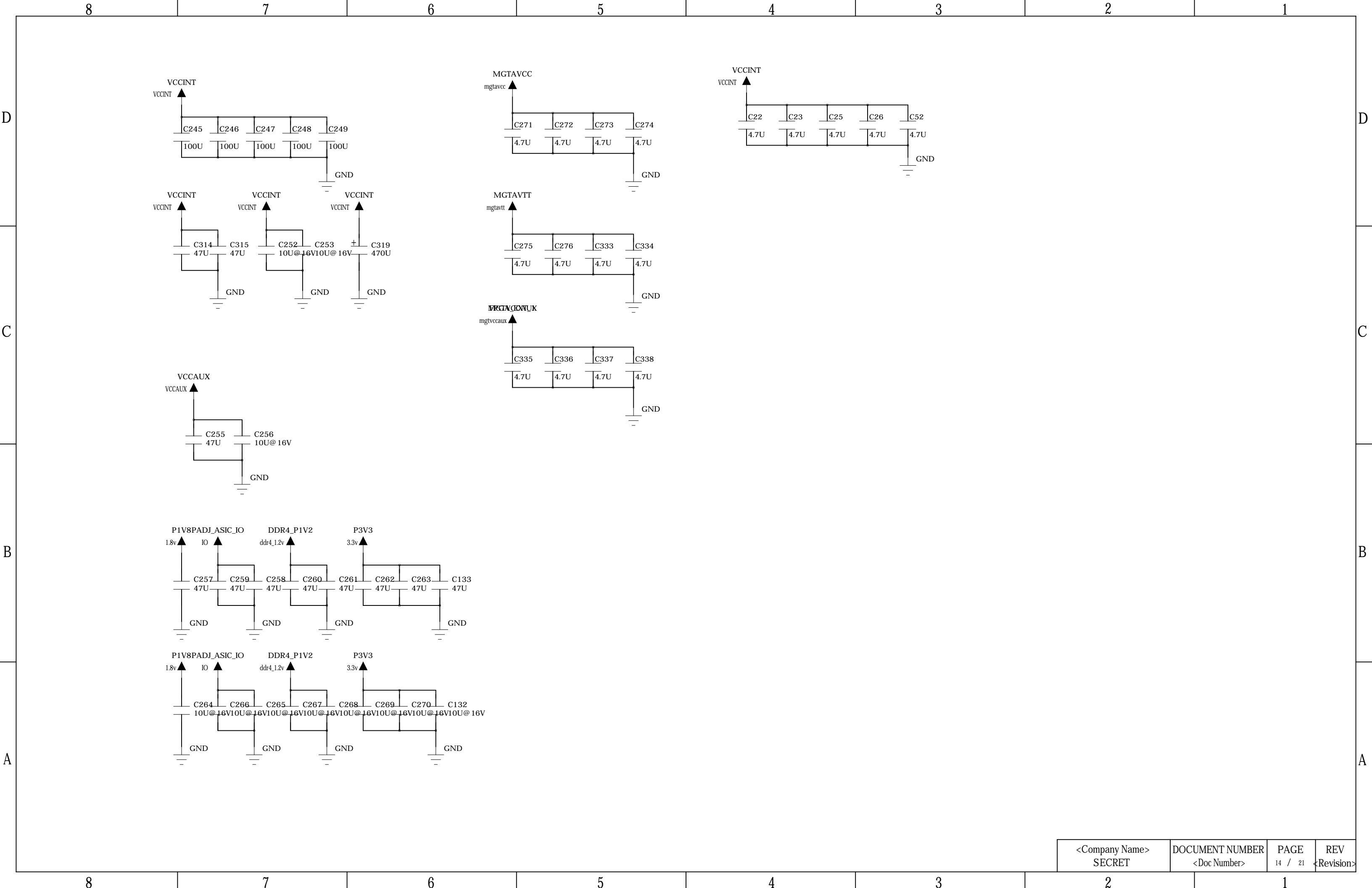
D

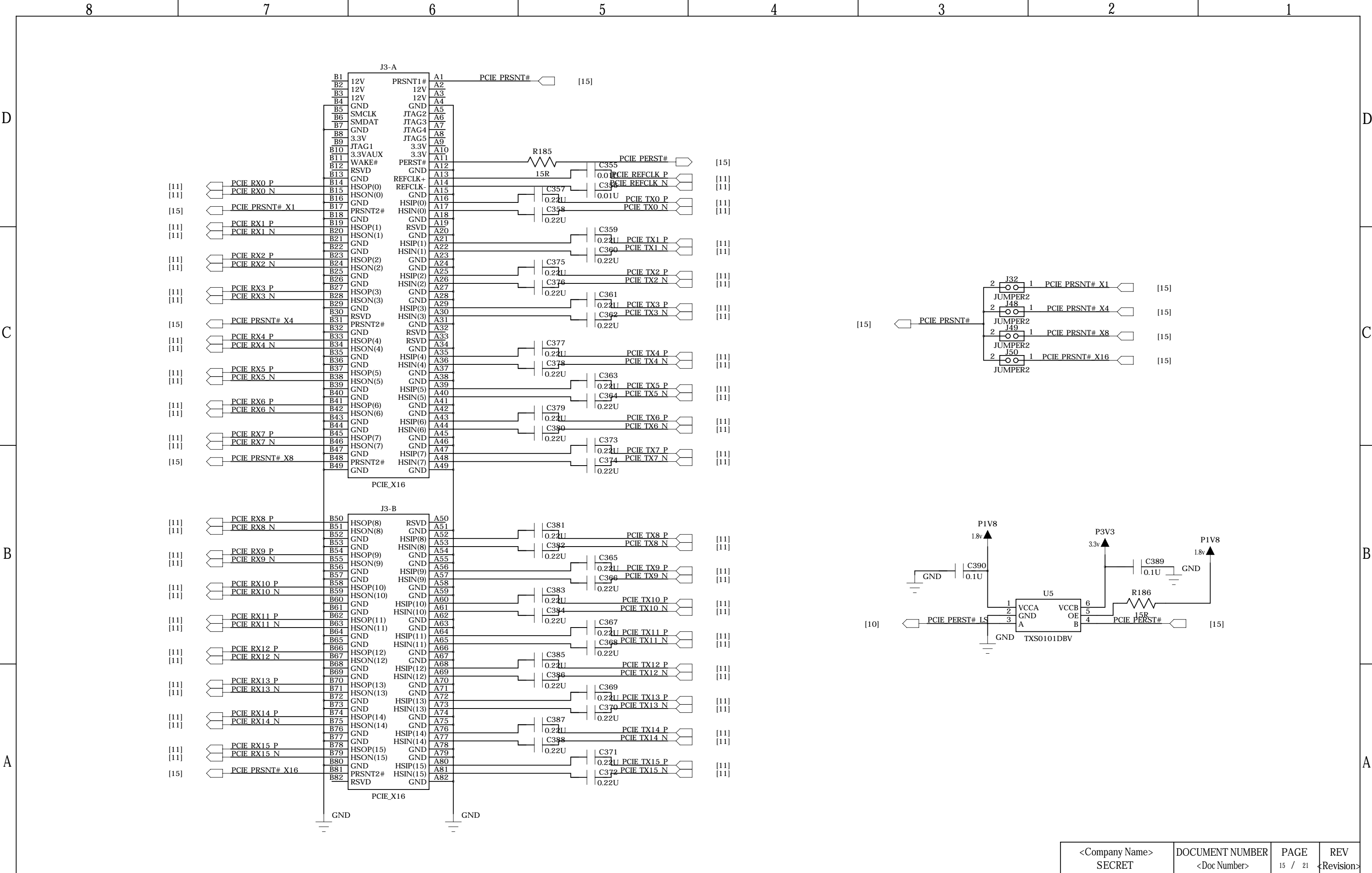
C

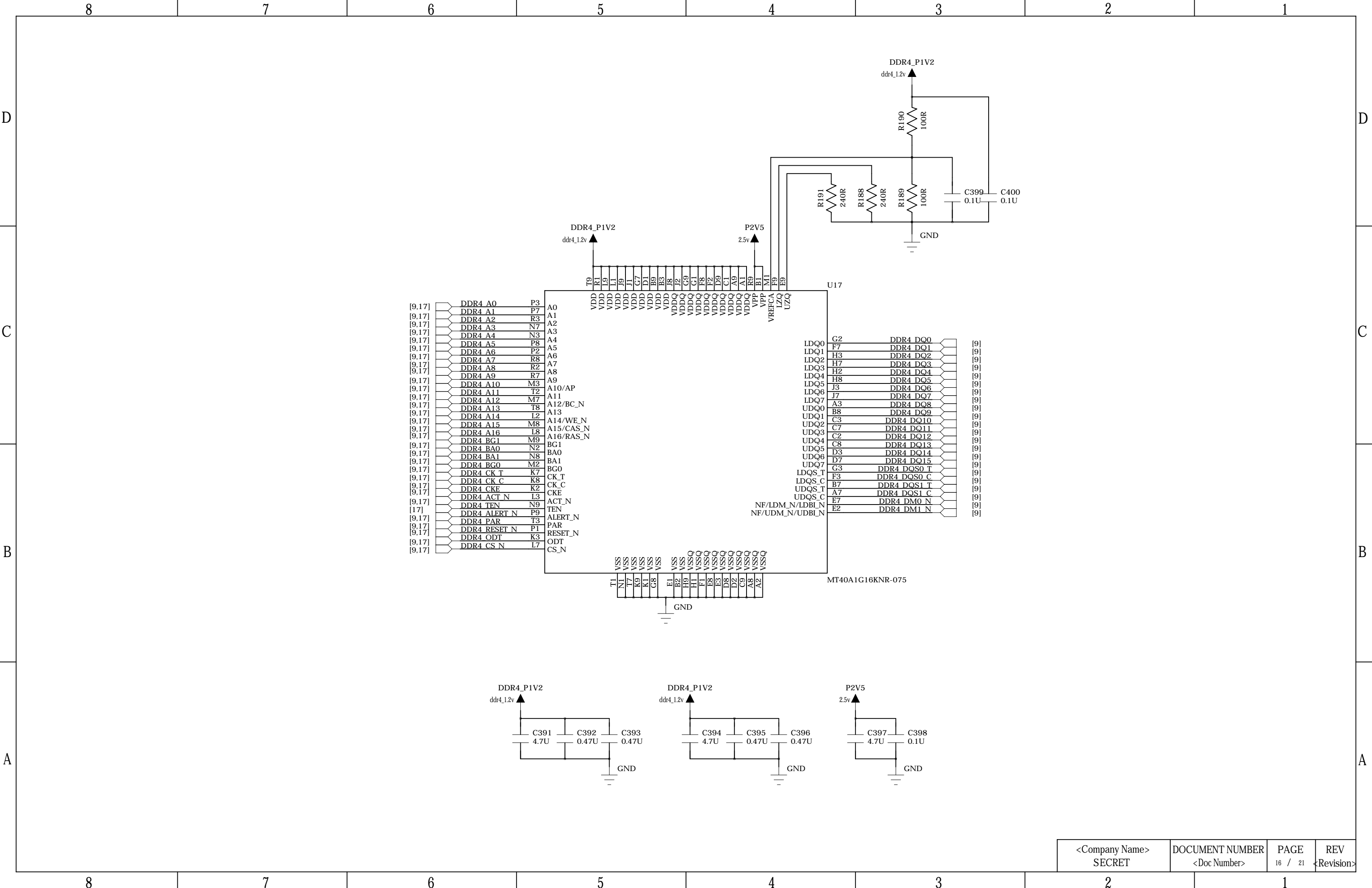
B

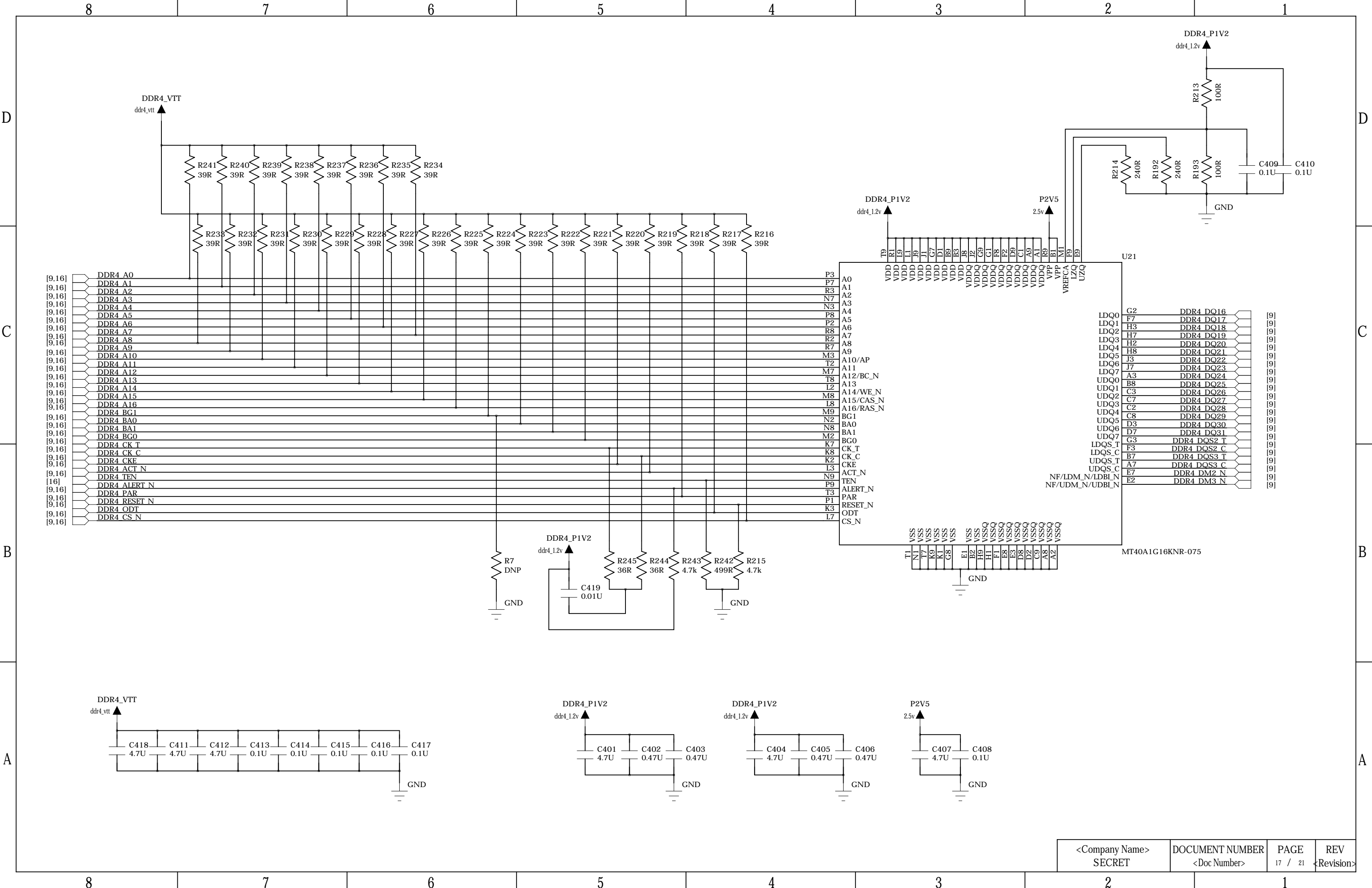
A











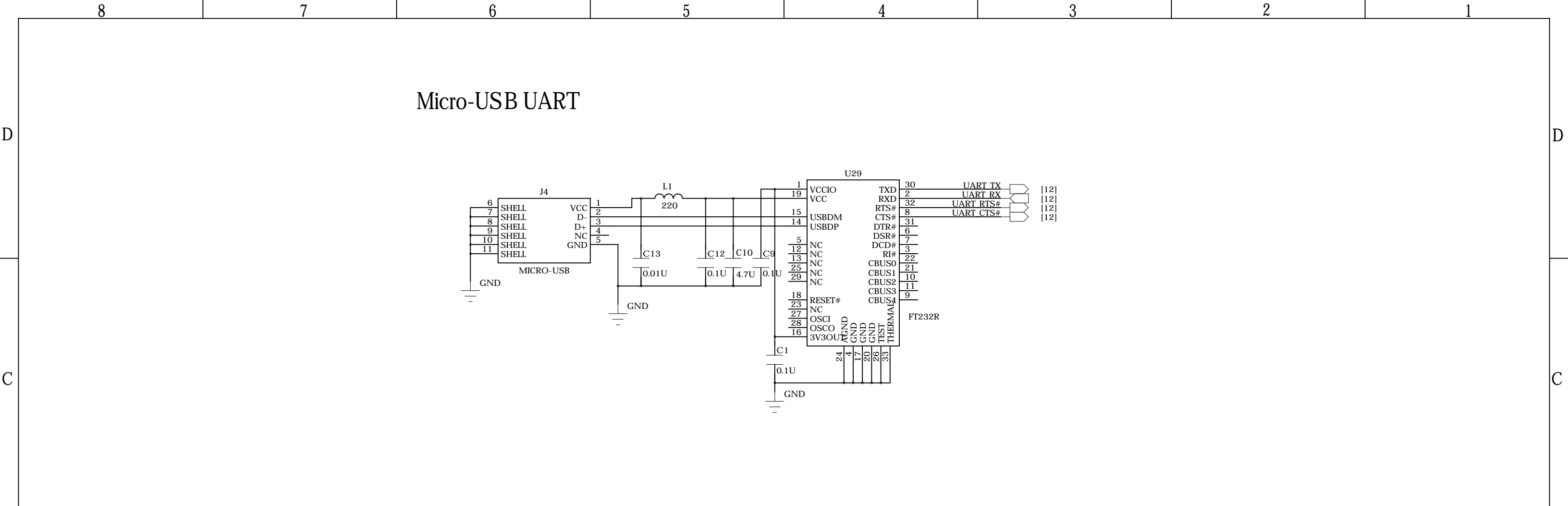
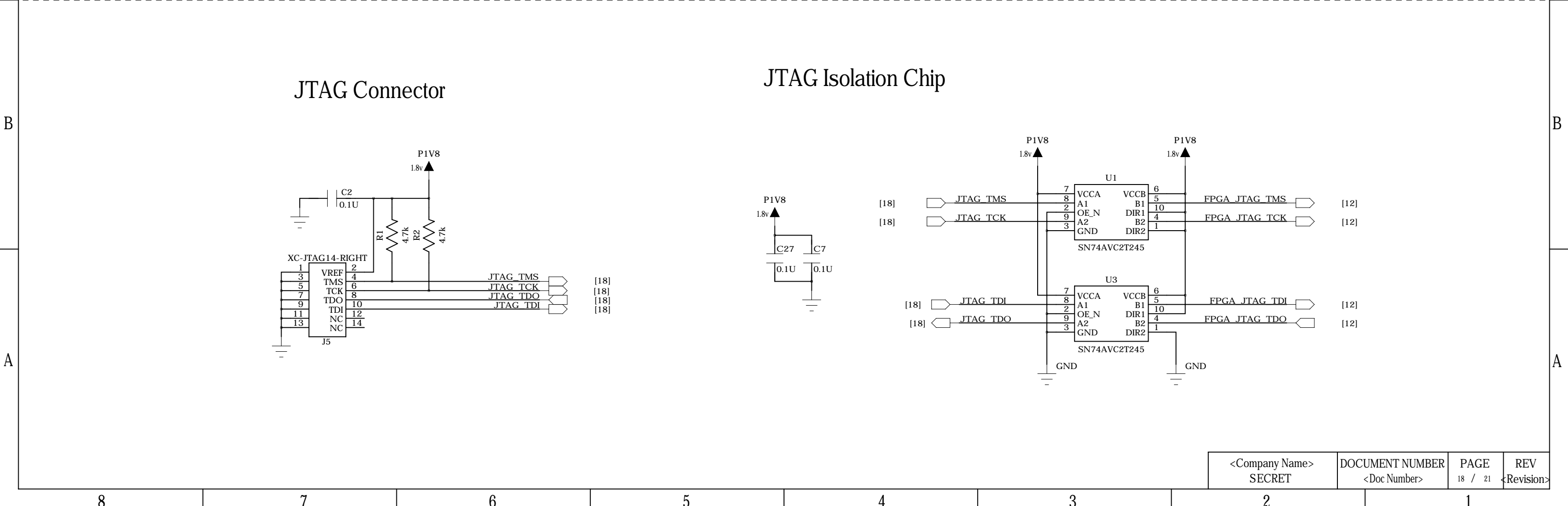
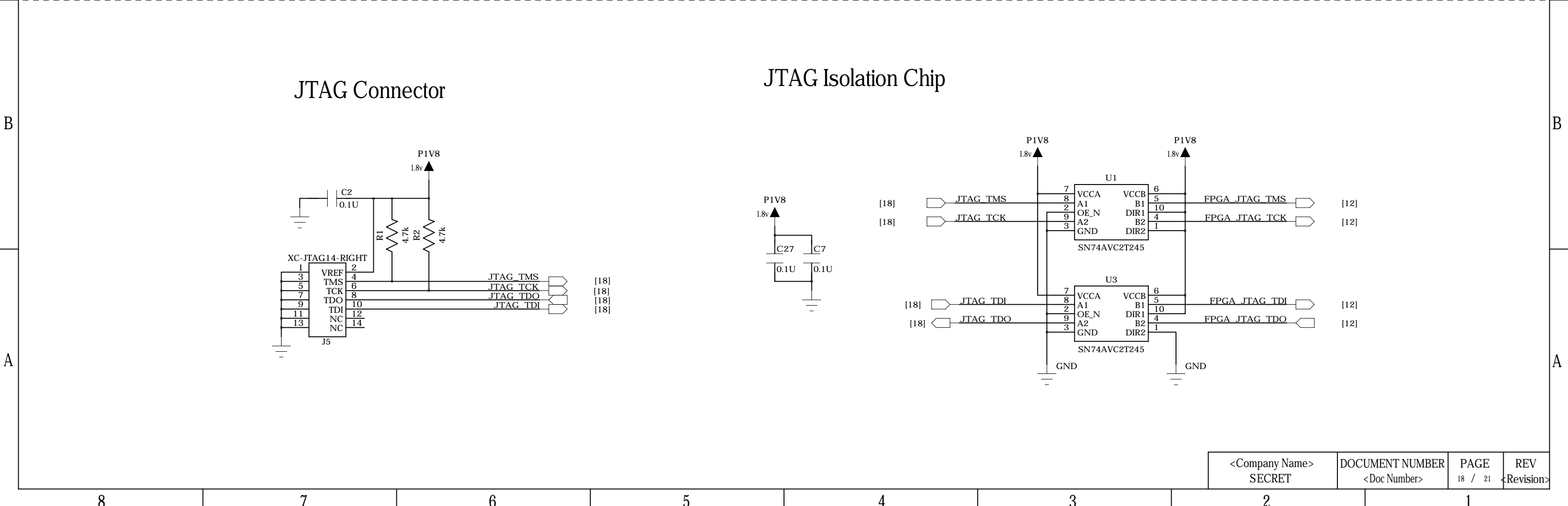
Micro-USB UART

The schematic diagram illustrates the connection between a Micro-USB connector (J4) and an FT232RL chip (U29) for UART communication. The Micro-USB connector (J4) has pins 6 (SHELL), 7 (SHELL), 8 (SHELL), 9 (SHELL), 10 (SHELL), and 11 (SHELL). The FT232RL chip (U29) has pins 1 (VCCIO), 2 (VCC), 3 (USBDM), 4 (USBDP), 5 (NC), 6 (NC), 7 (NC), 8 (NC), 9 (NC), 10 (NC), 11 (NC), 12 (NC), 13 (NC), 14 (NC), 15 (NC), 16 (NC), 17 (NC), 18 (NC), 19 (NC), 20 (NC), 21 (NC), 22 (NC), 23 (NC), 24 (NC), 25 (NC), 26 (NC), 27 (NC), 28 (NC), 29 (NC), 30 (TXD), 31 (RXD), 32 (RTS#), 33 (CTS#). The connections are as follows:

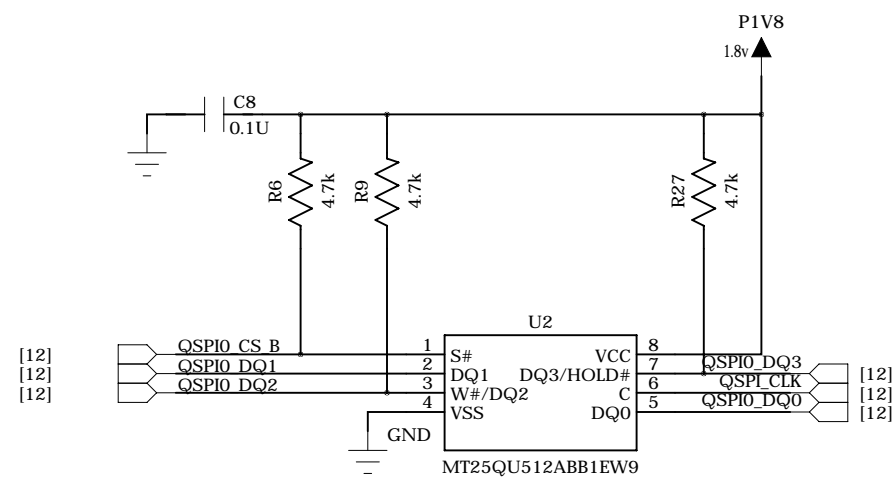
- Micro-USB VCC (pin 1) is connected to FT232RL VCC (pin 2).
- Micro-USB D- (pin 3) is connected to FT232RL USBDM (pin 3).
- Micro-USB D+ (pin 4) is connected to FT232RL USBDP (pin 4).
- Micro-USB GND (pin 5) is connected to FT232RL GND (pin 16).
- FT232RL TXD (pin 30) is connected to UART TX (pin 30).
- FT232RL RXD (pin 31) is connected to UART RX (pin 31).
- FT232RL RTS# (pin 32) is connected to UART RTS# (pin 32).
- FT232RL CTS# (pin 33) is connected to UART CTS# (pin 33).

Component values and labels:

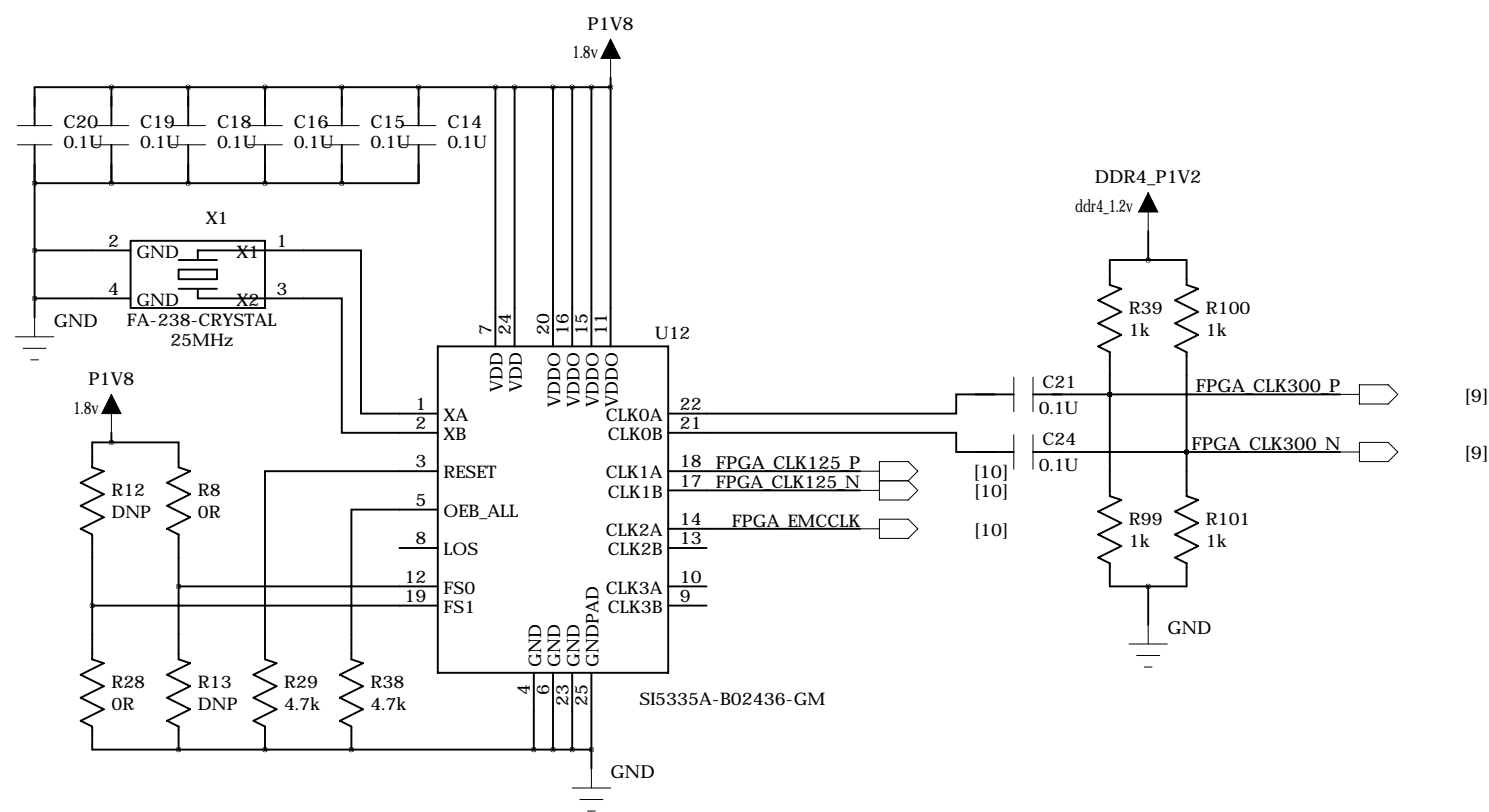
- L1: 220 (Resistor)
- C13: 0.01U (Capacitor)
- C12: 0.1U (Capacitor)
- C10: 4.7U (Capacitor)
- C9: 0.1U (Capacitor)
- C1: 0.1U (Capacitor)

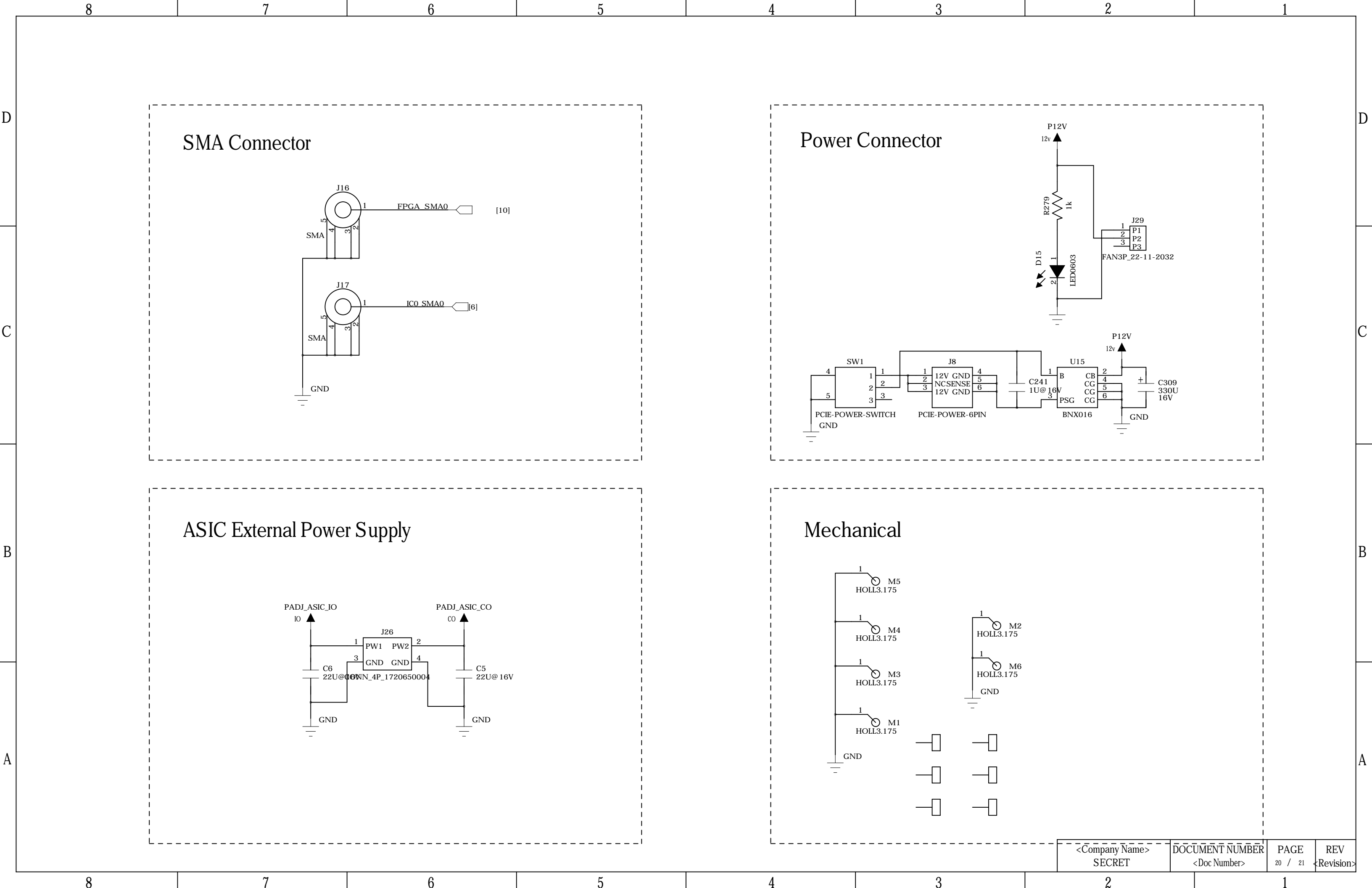
[illegible][illegible]

QSPI Flash

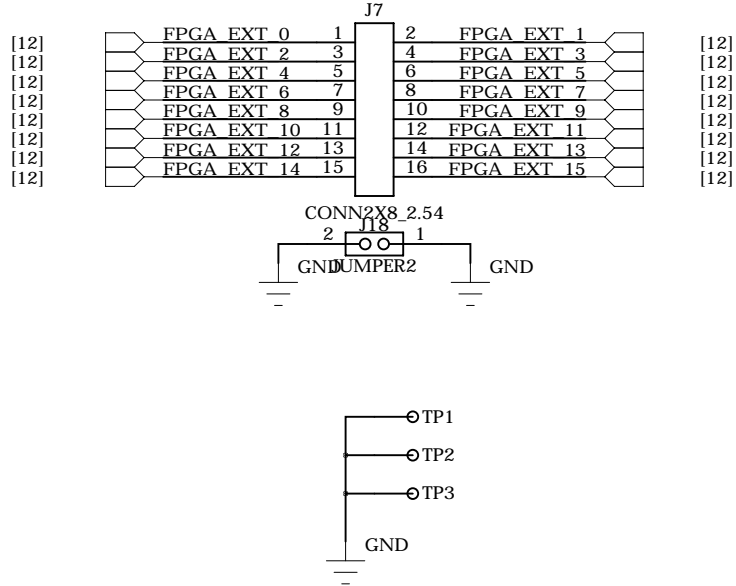
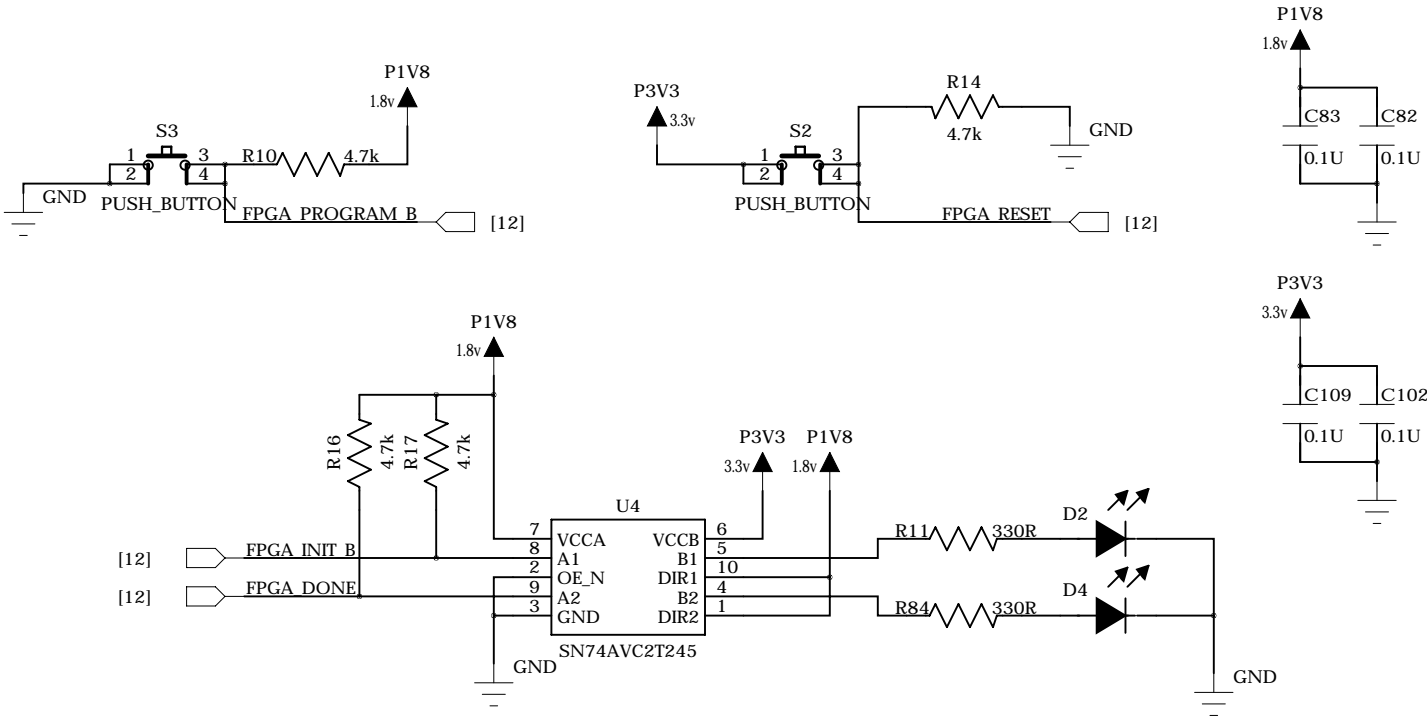


Clock Generator





RESET/LED



LED

