

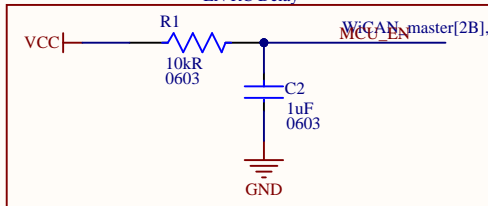
1

2

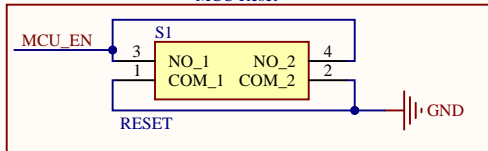
3

4

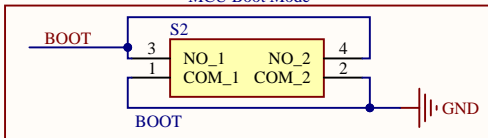
EN RC Delay



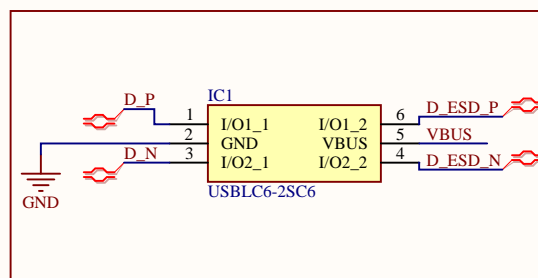
MCU Reset



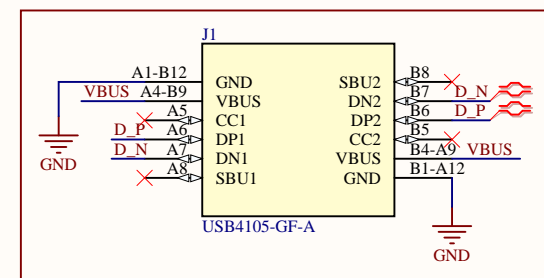
MCU Boot Mode



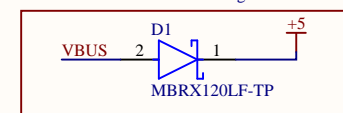
USB ESD Protection



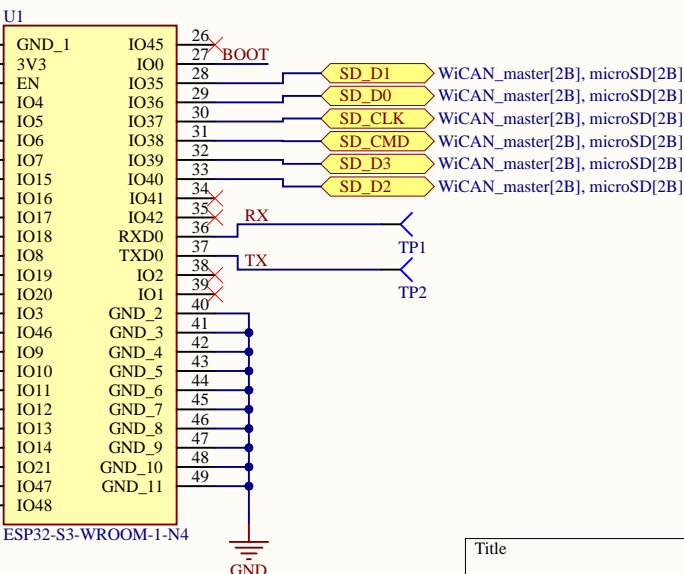
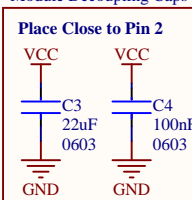
USB C Connector



USB VBUS ORing Diodes

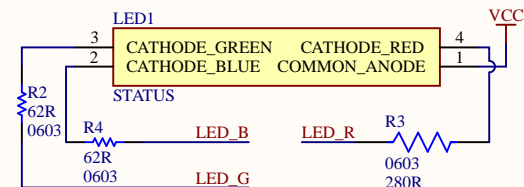


Module Decoupling Caps



WiCAN_master[3B]

WiCAN_master[3B]



Δ Vdrop:
Red = 1.9V (280 ohms)
Green = 2.9V (60 ohms)
Blue = 3.0V (60 ohms)
If = 5 mA

Title		
Size	Number	Revision
A4		
Date:	1-06-2023	Sheet of
File:	C:\Users\...\Processor.SchDoc	Drawn By:

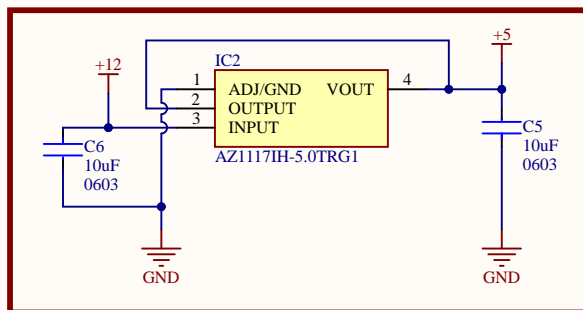
1

2

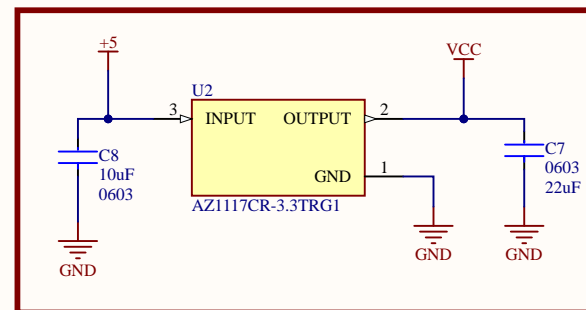
3

4

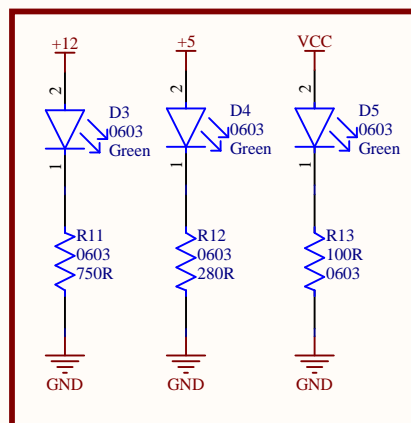
12V to 5V



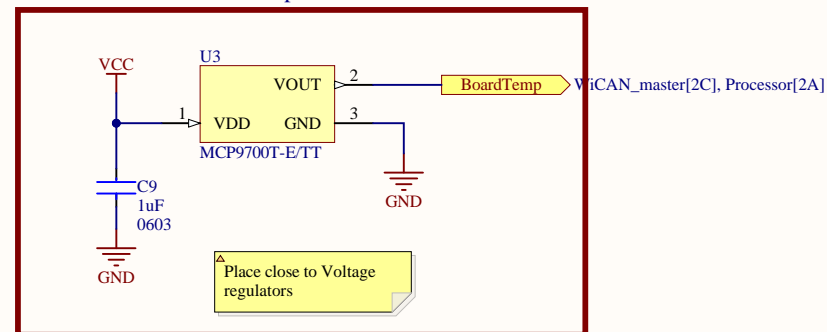
5V to 3.3V



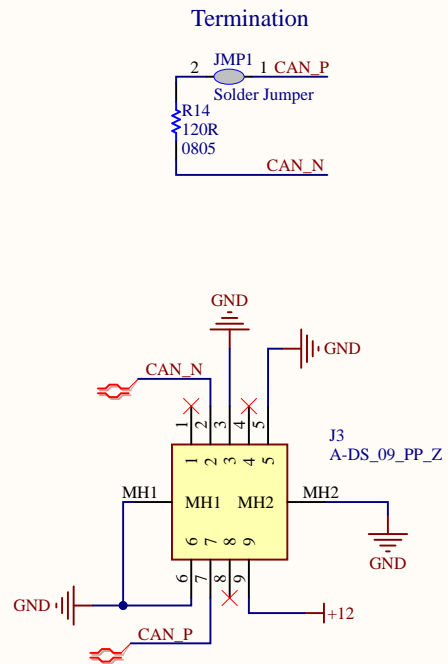
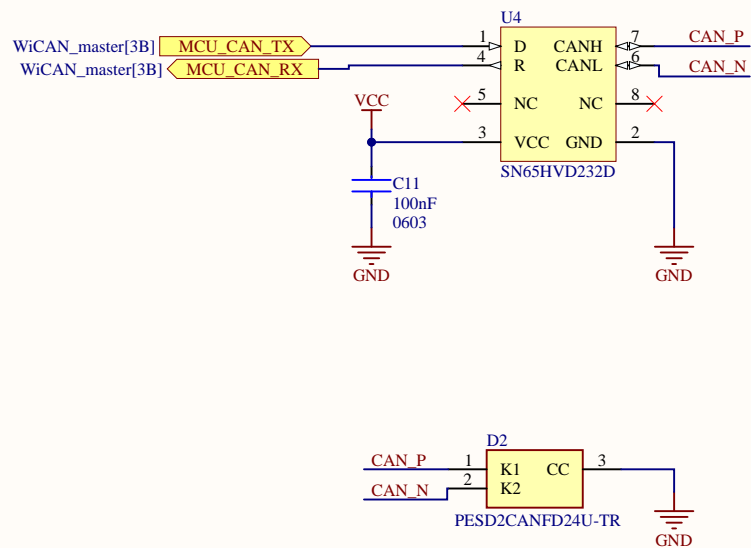
Power Status LEDs



Board Temperature Sensor



Title		
Size	Number	Revision
A4		
Date:	1-06-2023	Sheet of
File:	C:\Users\...\Power.SchDoc	Drawn By:



Title		
Size	Number	Revision
A4		
Date:	1-06-2023	Sheet of
File:	C:\Users\...\CAN.SchDoc	Drawn By:

https://github.com/espressif/esp-idf/blob/master/examples/storage/sd_card/sdmmc/README.md

Pin assignments for ESP32-S3

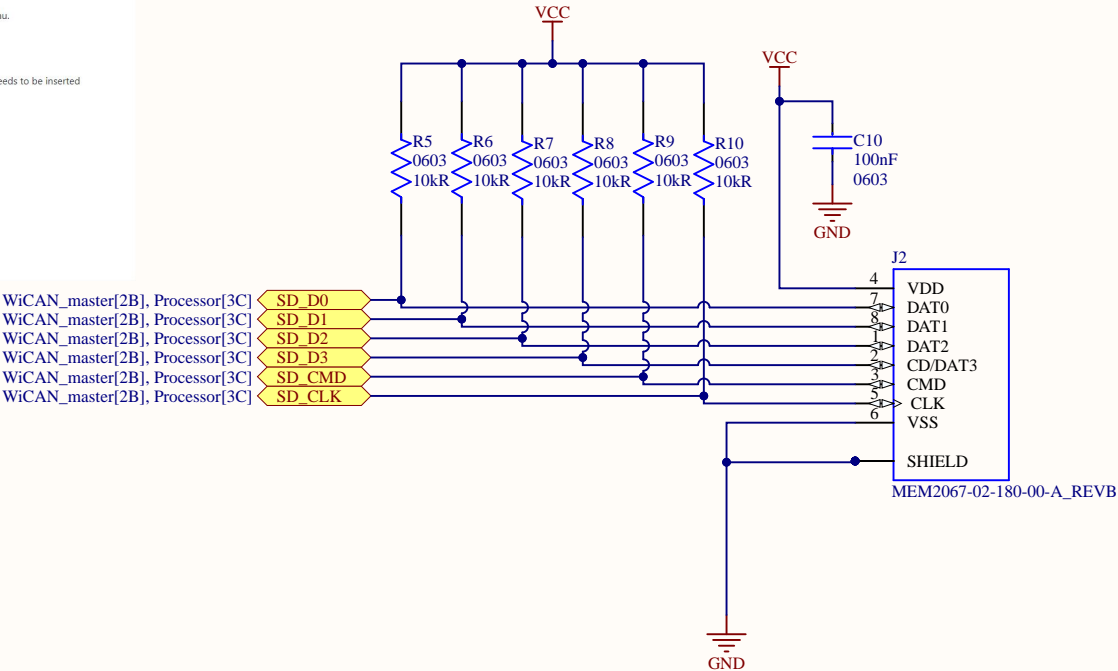
On ESP32-S3, SDMMC peripheral is connected to GPIO pins using GPIO matrix. This allows arbitrary GPIOs to be used to connect an SD card. In this example, GPIOs can be configured in two ways:

1. Using menuconfig: Run `idf.py menuconfig` in the project directory and open "SD/MMC Example Configuration" menu.
2. In the source code: See the initialization of `sdmmc_slot_config_t slot_config` structure in the example code.

The table below lists the default pin assignments.

When using an ESP32-S3-USB-OTG board, this example runs without any extra modifications required. Only an SD card needs to be inserted into the slot.

ESP32-S3 pin	SD card pin	Notes
GPIO36	CLK	10k pullup
GPIO35	CMD	10k pullup
GPIO37	D0	10k pullup
GPIO38	D1	not used in 1-line SD mode; 10k pullup in 4-line mode
GPIO33	D2	not used in 1-line SD mode; 10k pullup in 4-line mode
GPIO34	D3	not used in 1-line SD mode, but card's D3 pin must have a 10k pullup



Title		
Size	Number	Revision
A4		
Date:	1-06-2023	Sheet of
File:	C:\Users\...\microSD.SchDoc	Drawn By:

