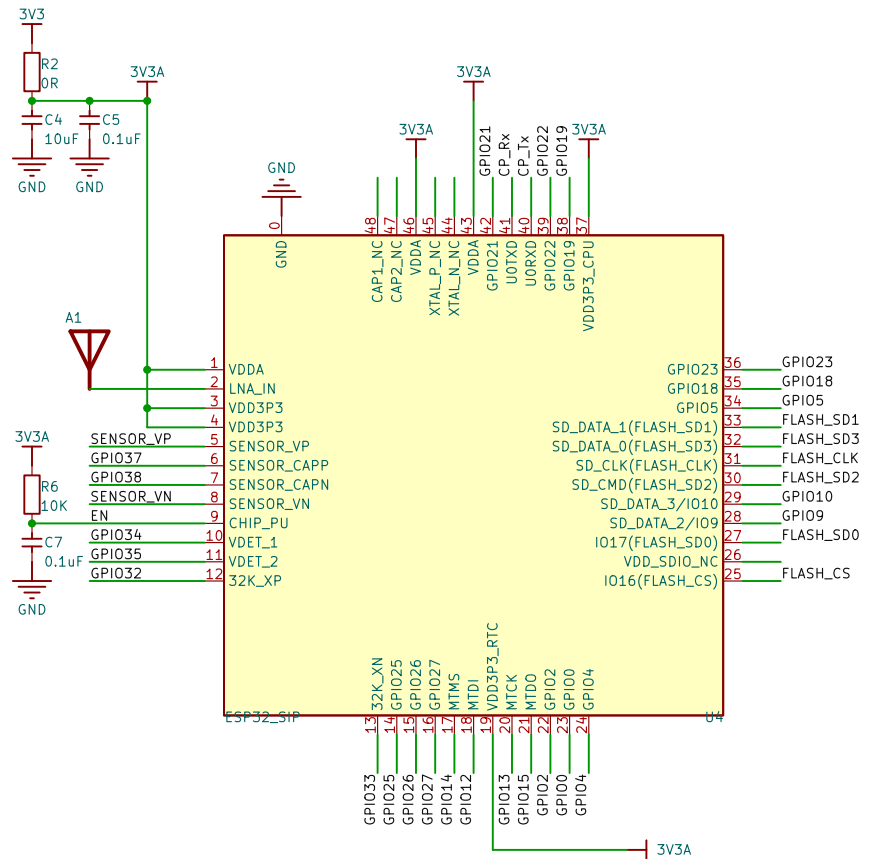
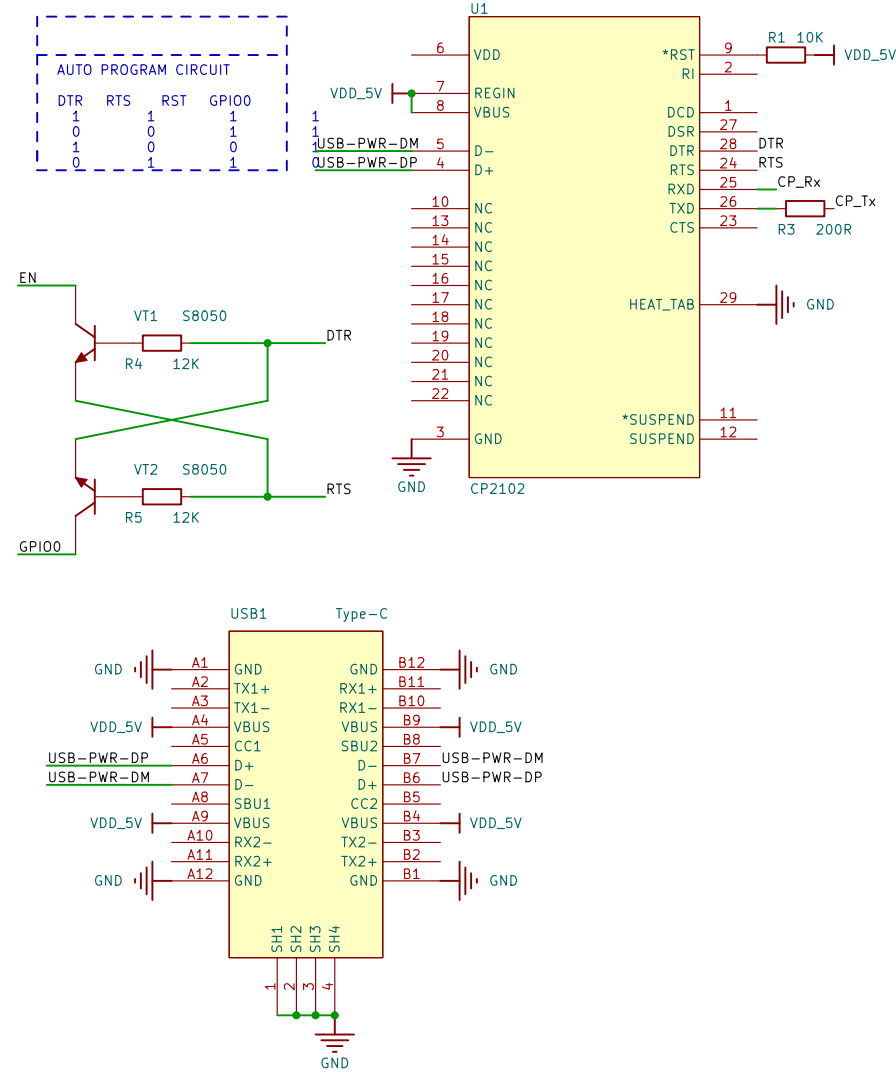
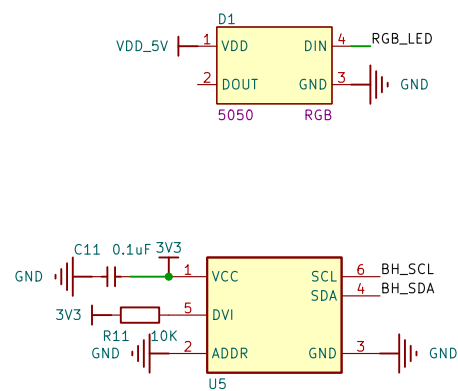
[illegible]

新芯片第一次下载可能会出现flash错误,其实是GPIO0需要在下载时拉低,所以直接短路VT2的GPIO0和GND就可以完成下载,第一次以后就不需要再这样操作了

The top diagram shows the RGB LED interface. The 5050 RGB module (D1) has four pins: VDD (pin 1) connected to VDD_5V, DOUT (pin 2) connected to GND, DIN (pin 4) connected to RGB_LED, and GND (pin 3) connected to GND. The module is labeled 5050 RGB.

The bottom diagram shows the I2C interface. The module (U5) has five pins: VCC (pin 1) connected to 3V3 through a 0.1uF capacitor (C11), DVI (pin 5) connected to 3V3 through a resistor (R11), ADDR (pin 2) connected to GND through a 1.0K resistor, SCL (pin 6) connected to BH_SCL, SDA (pin 4) connected to BH_SDA, and GND (pin 3) connected to GND.



The diagram illustrates the wiring of a TF card module (J1) to an Arduino Uno. The module's pins are connected as follows:

- SD_MISO** (Pin 7): Connected to **R7 10K** pull-up resistor to **3V3**.
- SD_MOSI** (Pin 8): Connected to **R8 10K** pull-up resistor to **3V3**.
- SD_CLK** (Pin 5): Connected to **R9 10K** pull-up resistor to **3V3**.
- SD_CS** (Pin 2): Connected to **R10 10K** pull-up resistor to **3V3**.
- VCC** (Pin 4): Connected to **3V3**.
- GND** (Pin 6): Connected to **GND**.
- Shield** (Pins S1, S2, S3, S4): Connected to **GND**.

The module is labeled **J1** and **TF-Socket**. The internal connections are:

- DATA_LINE[BIT_0]** (Pin 7)
- DATA_LINE[BIT_1]** (Pin 8)
- DATA_LINE[BIT_2]** (Pin 1)
- CARD_DETECT/DATA_LINE[BIT_3]** (Pin 2)
- LOCK** (Pin 5)
- COMMAND/RESPONSE** (Pin 3)
- CD_SWITCH1** (Pin 9)
- CD_SWITCH2** (Pin 10)

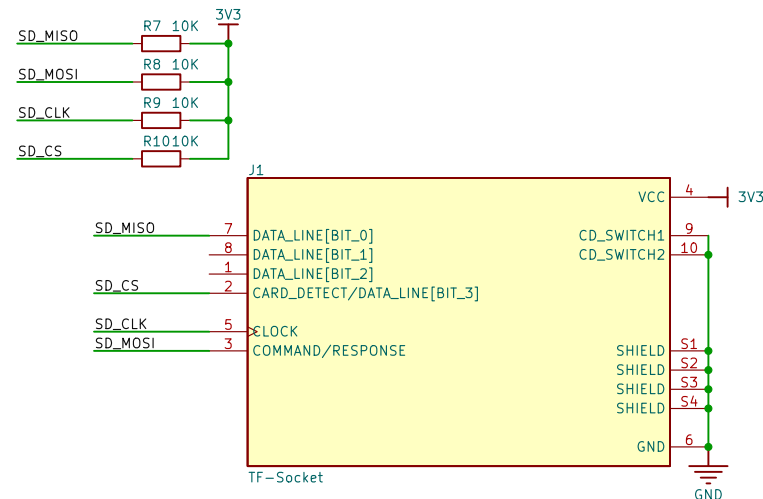


Diagram illustrating the connections for the LCD module:

- Pin 8: VDD_5V
- Pin 7: 3V3
- Pin 6: DC
- Pin 5: SCK
- Pin 4: MOSI
- Pin 3: RES
- Pin 2: LCD_BL
- Pin 1: GND

