

The diagram shows the following connections:

- Power:**
 - VCC** (pin 1) is connected to **+3V3**.
 - GND** (pin 4) is connected to **GND**.
 - EN** (pin 3) is connected to **+3V3** through a **10kΩ** resistor (R2).
 - RESET** (pin 2) is connected to **GND** through a **0.1μF** capacitor (C3).
- GPIOs:**
 - IO0** (pin 25) is connected to **TOUCH1**.
 - IO2** (pin 35) is connected to **TX**.
 - IO3** (pin 24) is connected to **TOUCH3**.
 - IO4** (pin 34) is connected to **RX**.
 - IO5** (pin 26) is connected to **TOUCH2**.
 - IO12** (pin 29) is connected to **RS**.
 - IO13** (pin 14) is connected to **MISO**.
 - IO14** (pin 16) is connected to **CLK**.
 - IO15** (pin 23) is connected to **CS**.
 - IO17** (pin 27) is connected to **SDA**.
 - IO18** (pin 28) is connected to **SCL**.
 - IO31** (pin 30) is connected to **LCD_RESET**.
 - IO33** (pin 31) is connected to **GND**.
 - IO36** (pin 33) is connected to **GND**.
 - IO57** (pin 36) is connected to **J2** pin 3.
 - IO61** (pin 37) is connected to **J2** pin 4.
 - IO65** (pin 38) is connected to **J2** pin 5.
 - IO69** (pin 39) is connected to **J2** pin 6.
 - IO127** (pin 8) is connected to **TOUCH4**.
 - IO132** (pin 9) is connected to **TOUCH5**.
 - IO133** (pin 6) is connected to **GND**.
 - IO134** (pin 7) is connected to **GND**.
 - IO135** (pin 7) is connected to **GND**.
- Other:**
 - TXD0** (pin 10) is connected to **TX**.
 - RXD0** (pin 9) is connected to **RX**.
 - SD0** (pin 21) is connected to **SD0**.
 - SD1** (pin 22) is connected to **SD1**.
 - SHD** (pin 17) is connected to **SD2**.
 - SWP** (pin 18) is connected to **SD3**.
 - SCK** (pin 20) is connected to **CLK**.
 - SCS** (pin 19) is connected to **CMD**.

The diagram shows the TFT 2.8 ILI9341 module (U4) connected to a Raspberry Pi 4. The module's pins are connected as follows:

- Pin 1:** GND
- Pin 2:** RESET
- Pin 3:** SCL
- Pin 4:** RS/A0
- Pin 5:** CS
- Pin 6:** SDA/SerialIn
- Pin 7:** SDO/SerialOut
- Pin 8:** GND
- Pin 9:** VCC_3.3
- Pin 10:** LED_Anode
- Pin 11:** K1
- Pin 12:** K2
- Pin 13:** K3
- Pin 14:** K4
- Pin 15:** XL
- Pin 16:** YU
- Pin 17:** XR
- Pin 18:** YD

The module is powered by +3V3 and GND. The LCD_RESET pin is connected to GND through a 10k resistor (R1). The module is connected to the Raspberry Pi 4 via I2C (SCL, SDA) and SPI (CS, MOSI, MISO) interfaces. The module's output is connected to the LCD1-LCD4 pins of the Raspberry Pi 4.

Diagram illustrating the connection of six touchpads (TP1 to TP6) to a microcontroller. Each touchpad is connected to a corresponding TOUCH pin (TOUCH1 to TOUCH6) on the microcontroller.

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