

Pin connection diagram for the TCAB418 module. The module is connected to a breadboard with various components. The connections are as follows:

- Pin 1 (BTN2) to Row 7
- Pin 2 (BTN1) to Row 6
- Pin 3 (BTN1) to Row 5
- Pin 4 (D4_NC) to Row 4
- Pin 5 (ROW3) to Row 3
- Pin 6 (ROW2) to Row 2
- Pin 7 (ROW1) to Row 1
- Pin 8 (ROW0) to Row 0
- Pin 9 (COL0) to Col 0
- Pin 10 (COL1) to Col 1
- Pin 11 (COL2) to Col 2
- Pin 12 (COL3) to Col 3
- Pin 13 (SW_UP) to Col 4
- Pin 14 (OL5_NC) to Col 5
- Pin 15 (OL6_NC) to Col 6
- Pin 16 (OL7_NC) to Col 7
- Pin 17 (OL8_NC) to Col 8
- Pin 18 (OL9_NC) to Col 9

The module is powered by +3.3V and GND. The module has a RESET pin (20) connected to KEY_RST, an SDA pin (22) connected to I2C_SDA, an SCL pin (23) connected to I2C_SCL, and an INT pin (24) connected to KEY_INT. A capacitor C10 (1uF) is connected between the +3.3V and GND pins.

+3.3V

RN1
R_Pack04 10k

1 8 I2C_SDA
2 7 I2C_SCL
3 KEY_INT
4 ROW4_NC 5

+3.3V

RN2
R_Pack04 10k

1 8 COL7_NC
2 COL8_NC
3 COL9_NC
4 KEY_RST 5

+3.3V

RN3
R_Pack04 10k

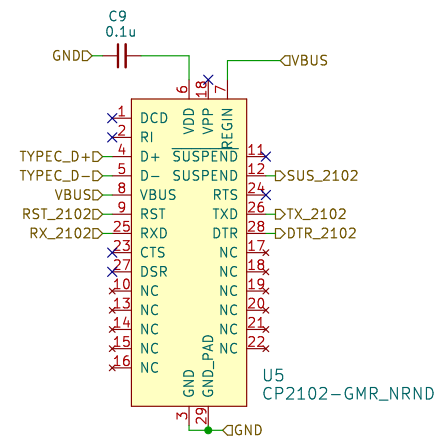
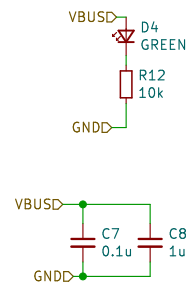
1 8 COL5_NC
2 COL6_NC
3
4 5

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The image contains three circuit diagrams. The first diagram shows a voltage divider (U1) connected to a switch (SW1) and a microcontroller (U3). The second diagram shows a voltage divider (U2) connected to a microcontroller (U3). The third diagram shows a voltage divider (U3) connected to a microcontroller (U3).

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