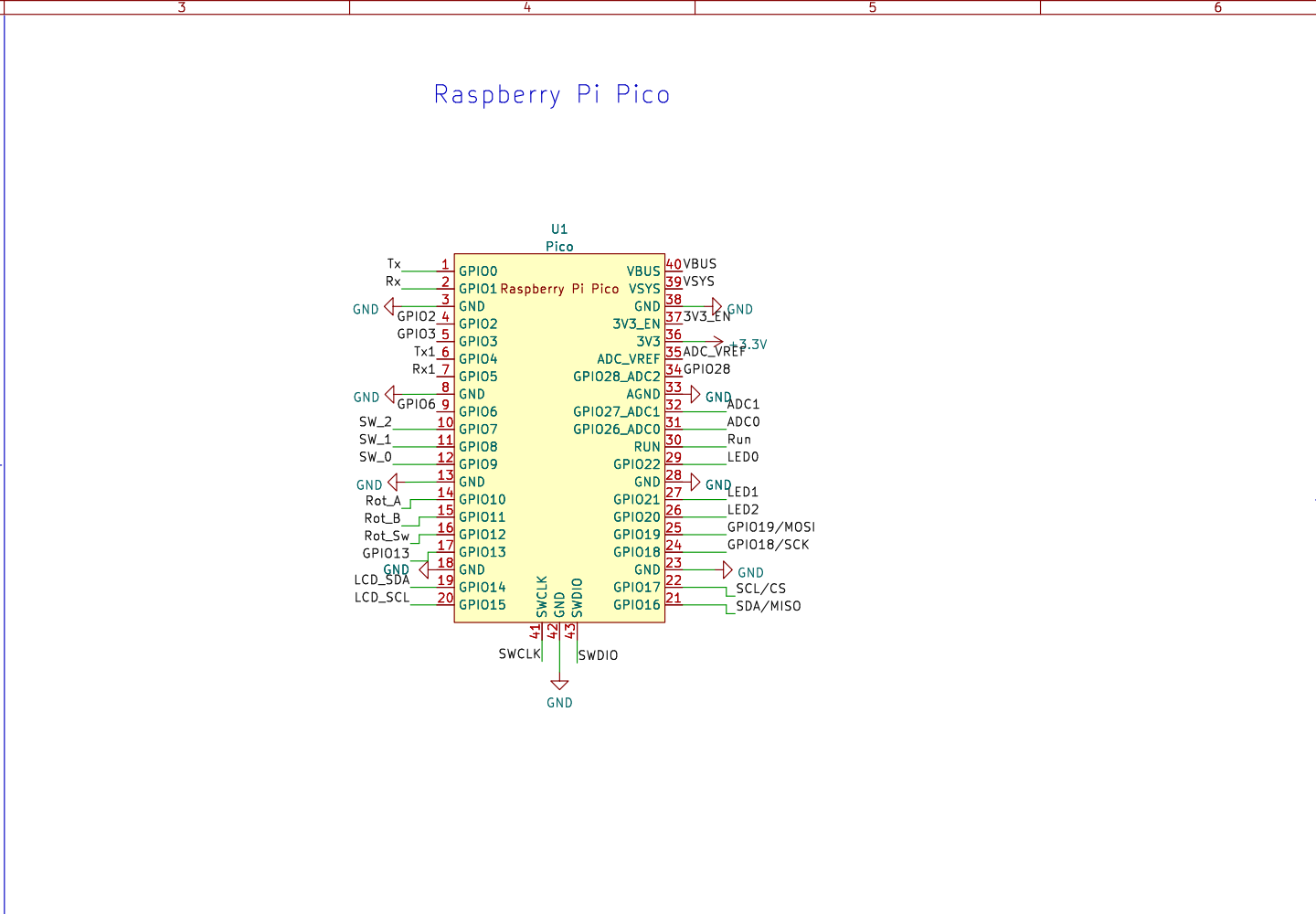
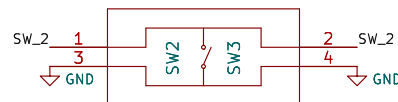
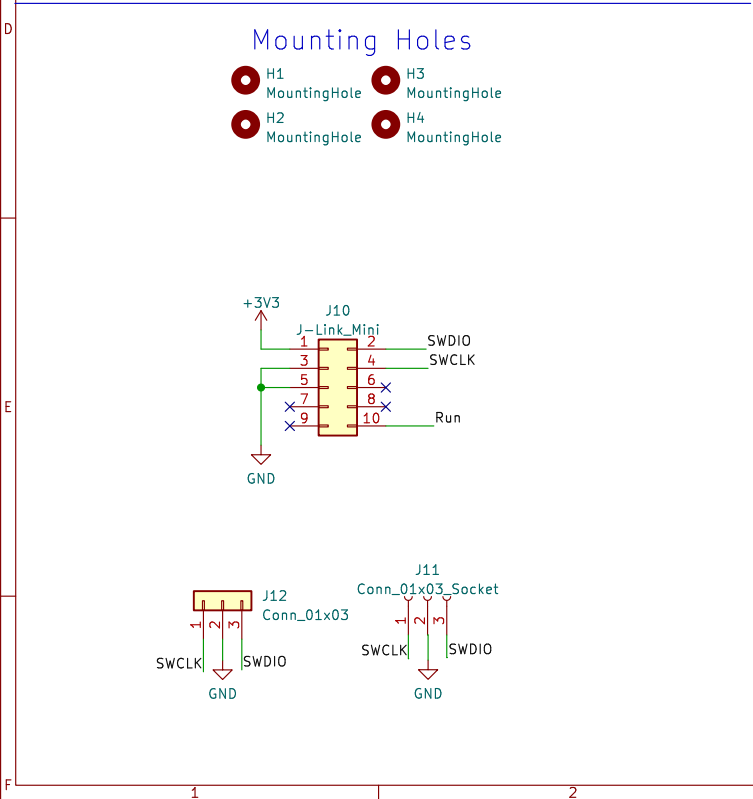
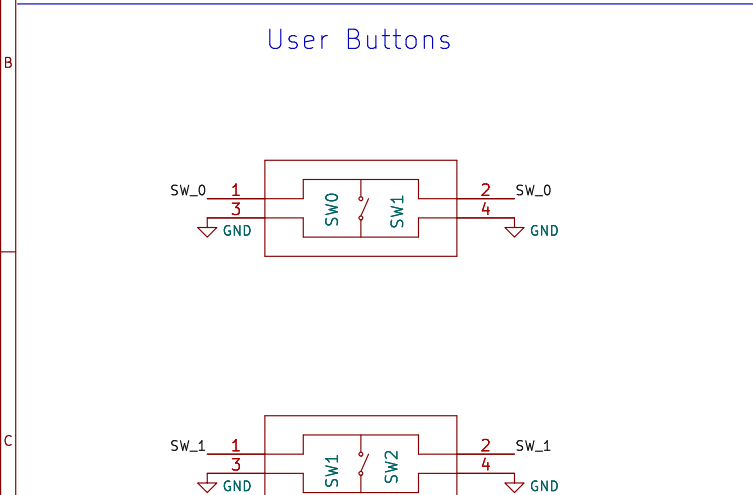
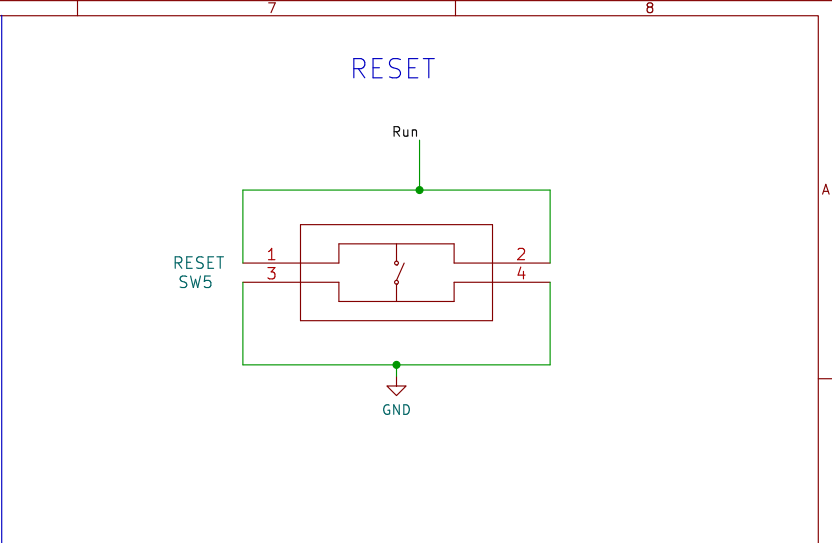
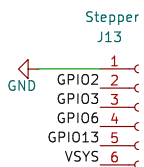


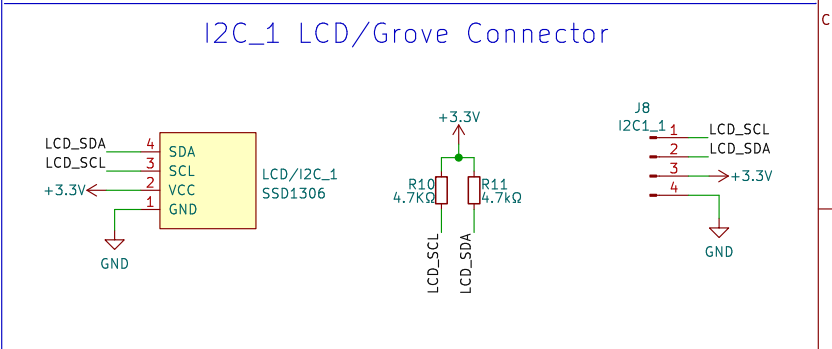
The diagram shows three parallel branches, each containing an LED and a resistor in series. The LEDs are labeled LED0, LED1, and LED2. The resistors are labeled R1, R2, and R3, all with a value of 150Ω. The LEDs are labeled D1, D2, and D3. All three branches are connected to a common ground (GND).

[illegible]

I2C_0 Grove Connectors

The diagrams illustrate the wiring for three different Grove connectors used in an I2C_0 setup:

- J1 (4-pin connector):**
 - Pin 1: SCL/CS
 - Pin 2: SDA/MISO
 - Pin 3: +3.3V
 - Pin 4: GND
- J8 (4-pin connector):**
 - Pin 1: +3.3V
 - Pin 2: SDA/MISO (with 4.7kΩ pull-up resistor R8)
 - Pin 3: SCL/CS (with 4.7kΩ pull-up resistor R9)
 - Pin 4: GND
- J6 (10-pin connector):**
 - Pin 1: +3.3V
 - Pin 2: SPI Header
 - Pin 3: GPIO19/MOSI
 - Pin 4: GPIO18/SCK
 - Pin 5: SCL/CS
 - Pin 6: SDA/MISO
 - Pin 7: GND
 - Pin 8: GND
 - Pin 9: GND
 - Pin 10: GND



Pi Header_L (J2)

Pin	Module
1	Tx
2	Rx
3	GND
4	GPI02
5	GPI03
6	Tx1
7	Rx1
8	GND
9	GPI06
10	SW_2
11	SW_1
12	SW_0
13	GND
14	Rot_A
15	Rot_B
16	Rot_Sw
17	GPI013
18	GND
19	LCD_SDA
20	LCD_SCL

Pi Header_R (J3)

Pin	Module
1	VBUS
2	VSYS
3	GND
4	SV3_EN
5	+3.3V
6	ADC_VREF
7	GPI028
8	GND
9	ADC1
10	ADC0
11	Run
12	LEDO
13	GND
14	LED1
15	LED2
16	GPI019/MOSI
17	GPI018/SCK
18	GND
19	SCL/CS
20	SDA/MISO

ADC Grove Connectors

J4

Pin	Module
1	ADC0
2	X
3	+3.3V
4	GND

J7

Pin	Module
1	ADC1
2	GPI028
3	+3.3V
4	GND

UART Grove Connectors

J5

Pin	Module
1	Rx
2	Tx
3	+3.3V
4	GND

J9

Pin	Module
1	Rx1
2	Tx1
3	+3.3V
4	GND

