

[illegible][illegible]

The pin connection diagrams for the Arduino Uno R3 are as follows:

- LEDs:**

5V	1
LED1	2
LED2	3
GND	4
- I2C Sensors (DS18B20, DHT22):**

SWCLK	1
SWIO	2
GND	3
- I2C1:**

12C1_SDA	1
12C1_SCL	2
GND	3
- I2C2:**

12C1_SDA	1
12C1_SCL	2
GND	3
- UART1:**

UART1_RX	1
UART1_TX	2
GND	3
- UART3:**

UART3_RX	1
UART3_TX	2
GND	3
- ADCs:**

ADC1	1
ADC2	2
ADC3	3
GND	4
- VCC:**

VCC	1
GND	2
VCC	3
- GPIOs:**

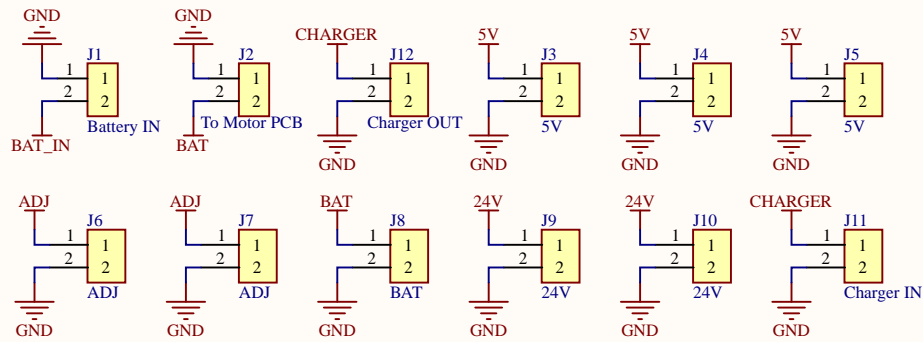
GPIO1	1
GPIO2	2
GPIO3	3
GPIO4	4
- ULTRA1:**

5V	1
ULTRA1_T	2
ULTRA1_E	3
GND	4
- ULTRA2:**

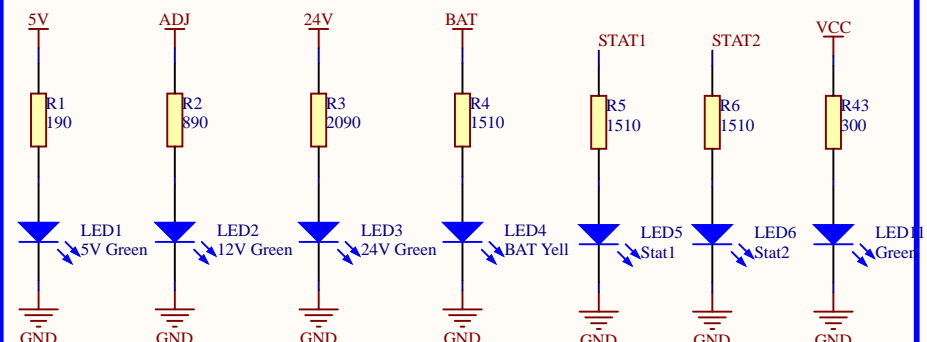
5V	1
ULTRA2_T	2
ULTRA2_E	3
GND	4

Title Logic Board.SchDoc			
Size A3	Number		Revision Rev. A
Date:	11.05.2021	Sheet of	2/2
File:	C:\Users\...Logic Board.SchDoc	Drawn By:	Fynn Raddatz

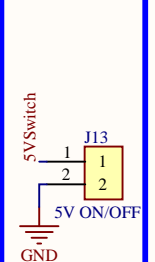
## Connectors



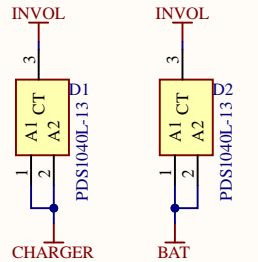
## Status LEDs



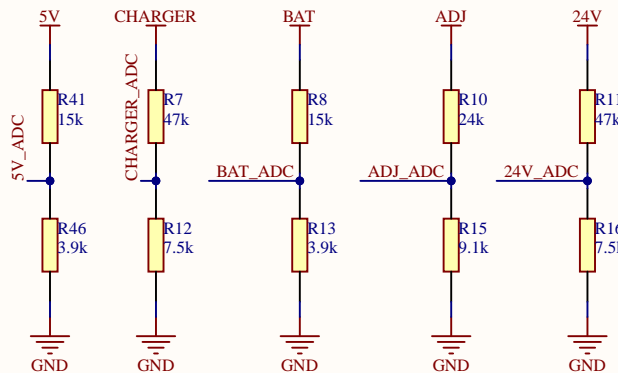
## ON/OFF Switch



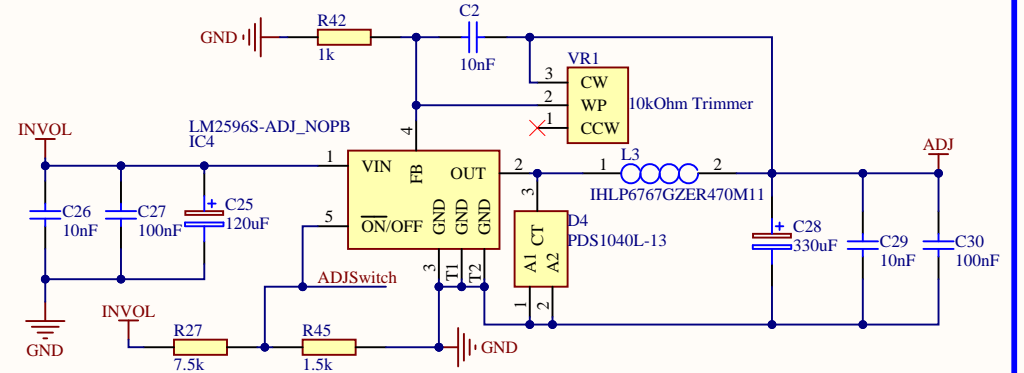
## Charge IC Protection



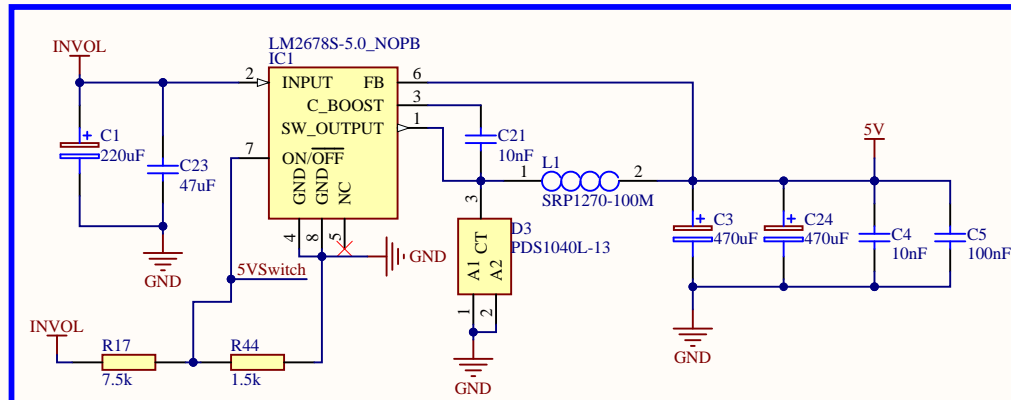
## Dividers for Voltage Sensing



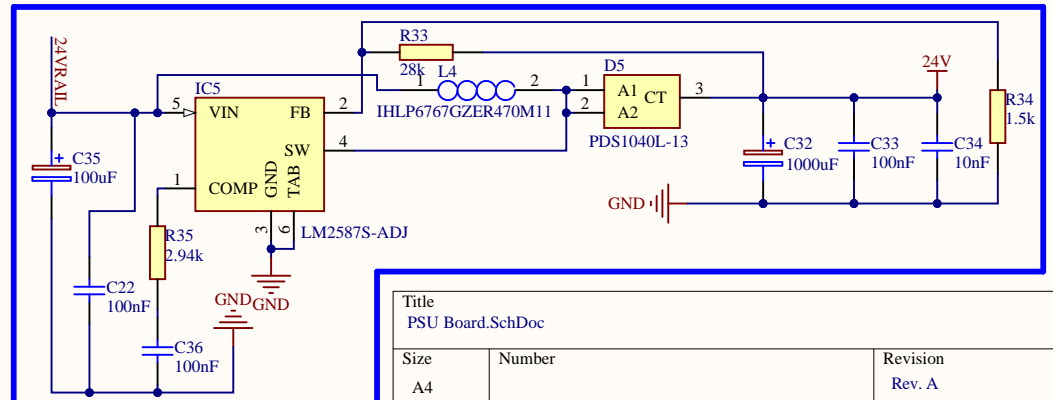
## Adjustable 1.5V - 13V 3A Buck Converter



## 5V 5A Buck Converter



## 24V 2A Boost Converter



Title PSU Board.SchDoc			
Size A4	Number		Revision Rev. A
Date:	11.05.2021		Sheet of 1/2
File:	C:\Users\...\PSU Board.SchDoc		Drawn By: Fynn Raddatz

