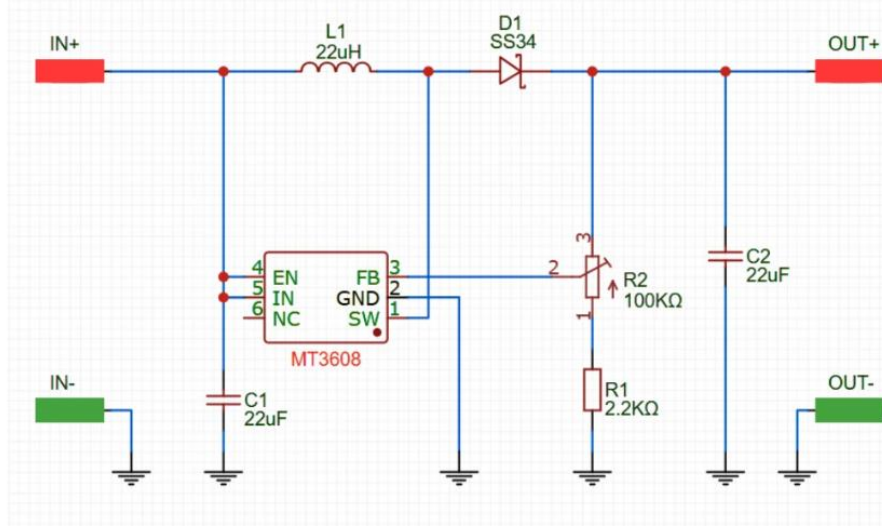


MT3608 Circuit Diagram

Boost converter circuit using MT3608



Pinout Configuration

Pin Number	Pin Name	Function
1	SW	Switch pin (drain of internal MOSFET)
2	GND	Ground
3	FB	Feedback voltage input
4	EN	Enable pin (active high)
5	IN	Input voltage
6	NC	Not Connected

Output Voltage Formula

$$V_{out} = V_{ref}(1 + R2/R1)$$

- **Reference Voltage (V_REF)** of MT3608 FB pin = **0.6V**
- **R1 = 2.2 k Ω**
- **R2 = 100 k Ω** (potentiometer, adjustable)

At maximum **R2 value 100K** ohms the **output voltage** from the module is calculated as,

$$V_{out} = 0.6(1 + 100000/2200)$$

$$V_{out} = 0.6(1+45.45) \approx \mathbf{27.87V}$$